



CITiZAN: the Coastal and Intertidal Zone Archaeological Network

Final HLF project report

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CITiZAN: the Coastal and Intertidal Zone Archaeological Network 2015–18

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Final project report for the HLF

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Summary

Much of our island's history is simply being washed away. Significant archaeological sites along England's sinuous coast and on the foreshores of our tidal estuaries are continually eroded by winds, waves and winter storms. The vulnerable sites exposed on our coasts and foreshores comprise the largest assemblage of directly threatened archaeological features in the country, for which there is limited statutory protection. Until 2015 with the launch of CITiZAN, there had been no systematic standardised system in place to record these vulnerable sites in detail or to regularly monitor their fate over the longer term.

CITiZAN, the Coastal and Intertidal Zone Archaeological Network, is one of the largest 'citizen science' archaeology projects in the UK. Hosted by MOLA and delivered together with our project partners the Council for British Archaeology and with Nautical Archaeology Society we were supported by a grant from the Heritage Lottery Fund in 2015–18, with match funding from the National Trust and The Crown Estate. We have set up strong collaborative national networks of local communities and professionals and implemented a national standard for recording England's threatened coastal heritage in 2015–18. CITiZAN have developed a new coastal archaeology smartphone app (free to download on Android and Apple iOS devices) which allows not only trained CITiZAN volunteers but also any coastal user with a keen eye and a smart phone to record fragile coastal and intertidal heritage and monitor changes brought about by erosion and storm damage. CITiZAN 2015–18 has been extremely successful and made a national and international impact in coastal and intertidal archaeology, public archaeology and climate change studies.

Acknowledgements

The work of CITIZAN would not be possible without the support of our volunteers, sponsors and project partners.

CITIZAN is funded by a generous grant of £1.4 million from the Heritage Lottery Fund, with match funding from the Crown Estate and National Trust and additional support from Historic England. CITIZAN is hosted by MOLA (Museum of London Archaeology); our regional teams are based with MOLA in London and with our partners the Council for British Archaeology in York and Nautical Archaeology Society in Fort Cumberland, Portsmouth.

We would like to thank the CITIZAN team for their work which is summarised in this report: Gustav Milne, Stephanie Ostrich, Lara Band, Alex Bellisario, Megan Clement, Oliver Hutchinson, Therese Kearns, Nick Mason, Andy Sherman, and Lauren Tidbury. We would also like to thank external evaluator Esther Gill and all of our volunteers for their invaluable contributions.

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1 Introduction

1.1 Project summary

'For me, CITiZAN was a golden opportunity to widen my skills and archaeological experience in an informal setting. Also though, once I grasped the urgency of erosion I felt a personal responsibility to try to help to record as much as possible before it disappeared out of the mud': CITiZAN volunteer 2017

Many significant archaeological sites are exposed around our long and sinuous coast and on the foreshores of our rivers and tidal estuaries: the remains of prehistoric forests and settlements, Roman forts and villas, ancient salt-working sites, medieval ports, fishing settlements, harbour works and countless abandoned boats, barges and ships are all represented. Many of these archaeological sites are of considerable local and national significance, as pioneering work by Professor Martin Bell (Severn Estuary), Ted Wright (Humber Estuary) and the Thames Discovery Programme had demonstrated.

These archaeological sites on our coast and in the intertidal zone are threatened with destruction by winds, waves and tidal scour, and are at risk, the more so because of rising sea levels, dramatic changes in weather patterns and the increased frequency of storm events. The alarming impact on the coast is the focus of the National Trust's 'Shifting Shore' (2014) report and has been established as a priority in the National Heritage Protection Plan (2013, 8), as the publication by Peter Murphy for English Heritage has graphically shown (Murphy 2014).

Much of England's history is, therefore, simply being washed away. Alarmed by the rate of loss, the location of some of these sites has been identified during the national 'Rapid Coastal Zone Assessment Survey' programme initiated by English Heritage (now Historic England) in 1997 (Fulford et al. 1997).

The vulnerable sites exposed on our coasts and foreshores comprise the largest assemblage of directly threatened archaeological features in the country, for which there is limited statutory protection. Until 2015 with the launch of CITiZAN, there had been no systematic standardised system in place to record these vulnerable sites in detail or to regularly monitor their fate over the longer term. This, in itself, represents a secondary threat. Coastal erosion can rarely be halted, but at least exposed archaeological sites can be recorded before they are destroyed.

CITiZAN, the Coastal and Intertidal Zone Archaeological Network, is the first national community-led project to tackle the threat to England's coastal and intertidal heritage from rising sea levels, extreme weather, wave action and tidal scour. Taking in 9000km of coastline over 800km of tidal foreshore (British Cartographic Society 2008, c.f. OS 1:10,000 mapping), CITiZAN runs free community-based training, building a network of volunteers with the skills, systems and support needed to survey and monitor threatened sites.

In 2015–18, CITiZAN has been funded by a generous grant of £1.4 million from the Heritage Lottery Fund, with match funding from The Crown Estate and National Trust and additional support from Historic England. CITiZAN's national team of volunteers are trained and supported by our three regional teams based in London with project lead MOLA (Museum of London Archaeology), in Portsmouth with the Nautical Archaeology Society and in York with partner organisation the Council for British Archaeology.

We have set up strong collaborative national networks of local communities and professionals and implemented a national standard for recording England's threatened coastal heritage in 2015–18. CITiZAN record this at-risk low-tide heritage using high-tech means: CITiZAN have developed a new

coastal archaeology smartphone app (free to download on Android and Apple iOS devices) which allows not only trained CITiZAN volunteers but also any coastal user with a keen eye and a smart phone to record fragile coastal and intertidal heritage and monitor changes brought about by erosion and storm damage. These data are moderated, archived with the Archaeology Data Service, and fed back to local Historic Environment Records.



Figure 1 The CITiZAN ethos: enjoyable, social, community-led archaeology (photo © CBA)

CITiZAN has been extremely successful and made a national and international impact in coastal and intertidal archaeology, public archaeology and climate change studies. CITiZAN has been recognised for its excellence across sectors: winning for *Arts, culture and heritage* at The Charity Awards 2018, shortlisted for a British Archaeological Award 2018 for *Best community engagement archaeology project* (to be announced October 2018), and nominated for a Current Archaeology Live award in 2016 for *Rescue Dig of the Year*. We have established a strong national brand and ethos for public participation in coastal and intertidal archaeology and highlighted steps to ensure long-term sustainability through our proposed Discovery Programmes and Responsible Stewardship project submitted to the Heritage Lottery Fund in August 2018.

1.2 HLF Delivery phase

MOLA (Museum of London Archaeology) received a Heritage Grant of £1.4 million from Heritage Lottery Fund (HLF) to deliver CITiZAN: the Coastal and Intertidal Zone Archaeological Network (HLF project reference HG-13-08845).

The period covered by this Delivery phase grant ran from January 2015 to June 2018. Permission to Start was received in December 2014.

1.3 Project partners

Partnership working is essential to the success of the project. CITiZAN was designed to be delivered through three regional centres, with small teams working out of offices with project hosts MOLA (Museum of London Archaeology) in London and with project partners Council for British Archaeology (CBA) in York and Nautical Archaeology Society (NAS) in Portsmouth.

- With over 40 years' of professional archaeological experience, MOLA is an independent charitable company whose main purpose is to create archaeological knowledge and to benefit people and society through sharing that knowledge.
- The CBA is a national organisation with headquarters in York. It has an unrivalled 70-year track record in advocacy, facilitating community involvement in archaeology (most recently with its 'Archaeology For All' programme) and in publishing and publicising archaeology across Britain.
- The NAS is an international organisation that has a particular expertise in nautical archaeology and vessel recording, a strong active membership, and is an award-winning provider of archaeological training programmes.

1.4 Project Supporters

CITiZAN would not be possible without the substantial Heritage Grant of £1.4 million from Heritage Lottery Fund. We are also generously supported by The Crown Estate and National Trust with additional support from Historic England.

1.5 Research frameworks

This project has been undertaken within the priorities established by the Heritage Lottery Fund strategic framework 2013–2018, *A lasting difference for heritage and people*.

All CITiZAN fieldwork takes into consideration local, regional and national research frameworks. CITiZAN have also contributed to the North West and North East England Research Frameworks, updated in 2017–18.

2 Aims and objectives

2.1 Aims and objectives

CITiZAN set out to achieve the following aims:

- To establish a national standardised infrastructure through the development of intertidal archaeology methodologies and the creation of an open-access interactive website and app to ensure England's coastal archaeology will be better identified, recorded, monitored and managed.
- To raise the profile of at-risk coastal and intertidal sites through a national and regional outreach programme, and to directly engage new audiences in their heritage.
- To implement a national system of community-based monitoring of coastal and intertidal archaeology through a dedicated volunteer training programme and the development of a smartphone app, compatible with data gathered by Scotland's Coastal Heritage at Risk Project (SCHARP).
- To encourage and support local communities to become active partners by providing opportunities to research, write and share their work and creating an enjoyable and sociable experience.
- To disseminate our findings through publication of reports and deposition of all crowd-sourced data with the ADS to create a unique research resource and enable England's coastal heritage to be interrogated, analysed and interpreted on a larger scale.

2.2 Approved Purposes

We were tasked with carrying out nine approved purposes for this Delivery phase. There were:

Approved purpose	Description
1 Appointment of staff	Hire a Project Leader, Project Officer. Hire 3 CITiZAN Archaeologists for Training (CATs) and 3 CITiZAN Archaeologists for Outreach (CAOs), 1 in each region.
2 Development of recording system	Develop a standardised survey, monitoring and app-/web-based recording system that is compatible with methods used in Scotland and Wales. Create a baseline dataset for the interactive website/app from existing data from Historic England, selected local Historic Environment Records, National Trust, and local community groups (such as Thames Discovery Programme). Encourage use of the app through outreach and training. Moderate data regularly and deposit data with the Archaeology Data Service (ADS).
3 Development of website	Develop and deliver an interactive website and smartphone app to record and monitor coastal and intertidal heritage. Maintain the website with fresh content for the wider public including blogs, resources, etc.

Approved purpose	Description
4 Developing network of volunteers	Establishing a national network of skilled, active volunteers (CITiZANs) to progress the ongoing monitoring, recording, and interpretation of coastal and intertidal sites. Encourage participation in CITiZAN through media campaigns, meeting with stakeholders, etc. Send regular newsletters. Develop and maintain social media channels, including Facebook, Twitter, and Flickr.
5 National training programme	Run 5-10 training sessions, workshops or on-site survey sessions per centre per year, creating educational resources and guides as needed; training a minimum of 300 participants.
6 Wider outreach programme	Organise, deliver or be involved in 10-15 outreach events per centre per year, including guided walks, lectures, the themed outreach days etc. Actively engaging at least a further 600 people through our interactive website, outreach programme and other activities.
7 Annual conference	Organise and deliver an annual national conference for volunteers and professionals.
8 Sustainability beyond funding period	Create a sustainable network and monitoring programme that will extend beyond the life of the HLF-supported project.
9 Evaluation	Evaluate progress according to approved purposes. Commission an external evaluator to lead an evaluation of the participation and engagement elements of CITiZAN.

Many of our approved purposes are interdependent and the activities we delivered addressed several. The structure of this completion report will be set out according to the stages of delivery: Project set up, Project Delivery, and Project handover. Approved purposes will be highlighted in a table at the beginning of each section.

3 Project set-up, January – May 2015

3.1 Project management

1. Appointment of Staff

3.1.1 CITiZAN staff and project structure

The CITiZAN project team consisted of three regional teams of two archaeologists each, responsible for the delivery and reporting of outreach and training. These regional teams were supported by two national roles the Project Leader and Project Officer based with project hosts MOLA in London. Regional teams were based with each of the CITiZAN project partners: Team North in York with the CBA, Team South West with the NAS in Portsmouth, and Team South East with MOLA in London. All CITiZAN staff were employed by MOLA.



Figure 2 The National CITiZAN project was delivered from 3 regional centres, based with project partners in York, Portsmouth, and London

- Gustav Milne, CITiZAN Project Leader
- Stephanie Ostrich, CITiZAN Project Officer
- Andy Sherman, CITiZAN Archaeologist for Training, North region
- Megan Clement, CITiZAN Archaeologist for Outreach, North region (2015-2017)
- Nick Mason, CITiZAN Archaeologist for Outreach, North region (2017-2018)
- Lauren Tidbury, CITiZAN Archaeologist for Training, South West region
- Therese Kearns, CITiZAN Archaeologist for Training, South West region (2017-2018)
- Alex Bellisario, CITiZAN Archaeologist for Outreach, South West region
- Lara Band, CITiZAN Archaeologist for Training, South East region
- Oliver Hutchinson, CITiZAN Archaeologist for Outreach, South East region

In the 2014 bid, these teams were originally labelled York, London, and Portsmouth teams after their home base but we decided soon into the delivery of the project that these labels may alienate the coastal communities we wished to work with and our teams were renamed North, South East and South West.

The core team were supported by a variety of individuals within MOLA:

- Head of Research and Engagement and Head of Audience Engagement: line managers for Project Leader and Project Officer, provided support for CITiZAN Discovery Programmes within MOLA and aligned CITiZAN and MOLA research objectives
- Head of Fundraising: assisted in reaching fundraising and sustainability aims
- MOLA's HR, Finance, IT departments, Health and Safety Manager, etc.

The core team were also supported by external professionals:

- Nautical Archaeology Society and Council for British Archaeology, Project partners
- Esther Gill, Bright Culture: external evaluator

3.1.2 Specialist Advisory Network

The core team was also supported by our Specialist Advisory Network (SAN). SAN meetings were held twice a year. They are for invited personnel from related academic or professional fields to hear summary progress reports from the CITiZAN team, to comment on them in relation to their own expertise, and to table information about relevant projects, publications or events that may be of interest, sustainability and the closely-related issue of fundraising (medium- and long-term), as well as possible collaborative opportunities.

3.2 Reporting

Financial and Progress reports were submitted quarterly to the HLF. In total 13 quarterly reports were compiled. These included the following supplementary documents:

- Risk register, reviewed and updated quarterly
- Project timetable review
- Inventory of supplies and volunteer time
- Report summarising regional and national activities and outputs against our approved purposes
- Fundraising report
- Data and website metrics report

3.3 Volunteering time

Volunteers are an essential part of CITiZAN. In our 2014 Round Two Application we aimed to include a minimum of £27,000 worth of volunteer contributions: 'Based on 5 unskilled labour volunteers per office (15 volunteers) x 1 day per month x 36 months (15 x 36 x £50). This work will entail helping in the office or on-site at training/outreach events.'

These volunteer contributions were recorded on our project inventory and were reported quarterly. See section 4.2.4 below and Section 14 Appendix.

3.4 Reporting

CITiZAN team meetings were held quarterly. Progress reports were compiled quarterly with input from the CITiZAN Project team and MOLA staff and submitted to the HLF. These contained a number of supporting documents including:

- Risk register
- Inventories of supplies and volunteer time
- Project timetable, reporting against milestones and targets
- Regional report, reporting on activities delivered by our three regional teams
- Website and data metrics
- Fundraising and sustainability report

3.5 Evaluation set up

8. Evaluation

An external evaluator Esther Gill from Bright Culture was commissioned to lead an evaluation of the participation and engagement elements of CITiZAN. The evaluator worked with the CITiZAN team over the life of the project, from start up to completion.

In 2015, the team finalised our evaluation forms for outreach and training events with the help of the evaluator (see section 10.5). She helped us understand what data to capture which would best discern what impacts our activities had, to help us achieve our desired outcomes (see section 7).

By working with the evaluator over the life of the project, rather than evaluating the project only at the end, we aimed to ensure that short-term findings were quickly integrated into the delivery of the project resulting in a project that could be responsive to the needs and motivations of our audiences. Esther compiled annual reports evaluating in detail one aspect of the project. These are discussed in section 4.8.2 below.

3.6 Create baseline dataset

2. Development of recording system

3. Development of website

Establishing the CITiZAN baseline dataset was an essential milestone in the development of the project. This had to be completed before the interactive website and app could be rolled out, a key item in the CITiZAN toolkit.

Data collection began in 2014 (started by Community Archaeologist and 2014 HLF application author Courtney Nimura. Collection was completed in May 2015. Data was collected using a GIS shapefile consisting of a polygon from mean low water to a 100m inland buffer from mean high-water. This shapefile aimed to include all data reasonably considered within the 'coastal zone'. Rapid Coastal Zone Assessments and the review by Murphy (2014) suggests the coastal zone should incorporate all data potentially up to c. 2km inland; these features could be considered at-risk from erosive events under certain timescales. This resulted in far too much data for the scale of the project at present.

It was also suggested by several members of our Specialist Advisory Network that we include a function which allowed prioritisation of sites using a traffic light system to highlight sites at risk. This was not possible with the data available at the time.

The CITiZAN baseline dataset incorporated 'coastal zone' data from a variety of sources:

- Historic England National Record of the Historic Environment (NRHE), presumed to include the results from Rapid Coastal Zone Assessments (RCZA);
- HER data from local authorities where RCZAs had yet to be undertaken, in Dorset, Devon, and Cornwall;
- National Trust HBSMR data;
- Historic England's national peat database compiled by Zoe Hazell;
- Local archaeology society foreshore data, such as from the Thames Discovery Programme.

Many challenges were encountered when collating and cleaning this dataset. These included:

- Obtaining the data. It proved difficult with the stretched resources in the sector to obtain all the data we wished to include.
- Obtaining the data in a readable form. Several datasets were provided as XML without their corresponding structure. This could only become readable through extensive manipulation through Google Refine (now Open Refine) and ultimately with the help from Michael Charno at the ADS.
- Duplicate records at the national and local level. In this case, as per HIAS, HER data was included in the dataset over NRHE data.
- Difficulty in joining fields across datasets, with many of the individual datasets including different fields of information.
- Accuracy of location, especially for legacy data, with many points only having grid reference information to the nearest 100m square. This created a bias at each 100m square in our interactive map.

The joined dataset resulted in 81,678 points of data. These were each given a unique 'CITIZAN ID', saved in a flattened CSV table and incorporated into our interactive website in July 2015.

3.7 Develop website structure and content

2. Development of recording system
3. Development of website
6. Wider Outreach Programme

3.7.1 Developing the interactive website

The development of the CITIZAN website was a key Approved Purpose in this project. It is the hub of the project, providing information, resources and guidance for intertidal and coastal archaeology, and is our key tool for volunteers monitoring change to coastal heritage over time.

CITIZAN commissioned WildKnowledge to develop our interactive website and smartphone app. They also developed the award-winning smartphone recording app for SCHARP in Scotland and it was intended that these systems could produce compatible monitoring data.

Landing page structure and content was created by the CITIZAN Project Officer supplemented by resource page content provided by the CITIZAN Archaeologists.

Beta testing of the website took place over July 2015. Progress was tracked using an issue tracker table, a Google Sheets shared with the CITIZAN Project Officer and the WildKnowledge team. Separate sheets were used for beta testing the Development (Dev) website, for reporting issues after the migration and publishing of the site, and for app testing for Android and Apple.

The CITIZAN website <https://citizan.org.uk/> was officially launched on Friday 24 July 2015, to coincide with the 2015 Day of Archaeology.

3.7.2 Developing the smartphone app

Smart phones and tablets are powerful archaeological recording tools: with a camera and GPS facilities they are perfect for locating and recording new archaeological features. We already carry this tool around wherever we go, so it is ideal for rapid monitoring of archaeological features at risk on England's coastlines and estuaries. The CITiZAN smartphone app was also developed by WildKnowledge for Android and Apple devices and works in tandem with our interactive website.

Development of the smartphone app took longer than anticipated and had a minor impact on training programme delivery which was mitigated through the use of paper proformas. The longer development phase of the app was due in part to extensive beta-testing; this was carried out by the CITiZAN Project Officer, CITiZAN archaeologists and some CITiZAN volunteers from July 2015 to December 2015. It is essential to test the app for functionality issues before rolling it out to the public. Apps need to be frictionless; if a user encounters any difficulty in accessing or using the app, they will not return to use it again (see also Gill 2016 for user feedback on the app in the Delivery phase).

Title	In active	Visible from - to	In navigation
Our fragile island heritage	✓	09.07.2015 - ∞	☐
Interactive Coastal Map	✓	09.07.2015 - ∞	☑
Get Involved	✓	09.07.2015 - ∞	☑
Events	✓	09.07.2015 - ∞	☑
Resources	✓	09.07.2015 - ∞	☑
How-to guides	✓	09.07.2015 - ∞	☑
Proformas and guidance	✓	09.07.2015 - ∞	☑
Recording prehistoric footprints	✓	21.09.2016 - ∞	☑
Rapid Coastal Zone Assessments (RCZAs)	✓	09.07.2015 - ∞	☑
Archaeological Research Frameworks	✓	09.07.2015 - ∞	☑
Shoreline Management Plans (SMPs)	✓	09.07.2015 - ∞	☑
Intertidal archaeology bibliography	✓	09.07.2015 - ∞	☑
Useful links for research and planning	✓	01.12.2016 - ∞	☑
CITiZAN Key Zones	✓	09.07.2015 - ∞	☑
South West	✓	09.07.2015 - ∞	☑
North	✓	09.07.2015 - ∞	☑
South East	✓	09.07.2015 - ∞	☑
Themes	✓	09.07.2015 - ∞	☑
May-day! Save our ships	✓	09.07.2015 - ∞	☑
Defending our island; we'll fight ... on the beaches	✓	09.07.2015 - ∞	☑
Festival of Archaeology: Join in	✓	09.07.2015 - ∞	☑
Coastal Industries: working lives	✓	09.07.2015 - ∞	☑
Last Landscapes: Walking in Prehistory	✓	09.07.2015 - ∞	☑
Blog	✓	09.07.2015 - ∞	☑
About Us	✓	09.07.2015 - ∞	☑
Our island history	✓	09.07.2015 - ∞	☑
Who we are	✓	09.07.2015 - ∞	☑
Project partners	✓	09.07.2015 - ∞	☑
Project supporters	✓	09.07.2015 - ∞	☑
Contact Us	✓	09.07.2015 - ∞	☑
Privacy Policy	✓	09.07.2015 - ∞	☑
Terms and Conditions	✓	09.07.2015 - ∞	☑
Code of Conduct	✓	09.07.2015 - ∞	☑
Finds policy and guidance	✓	09.07.2015 - ∞	☑
Project partners and supporters ... coastal agencies	✓	09.07.2015 - ∞	☑
Health and Safety	✓	09.07.2015 - ∞	☑
Submit Records	✓	09.07.2015 - ∞	☑
Site Surveyor	✓	10.07.2015 - ∞	☑
FAQ	✓	31.10.2016 - ∞	☑
Our app	✓	31.10.2016 - ∞	☑

Figure 3 CITiZAN website structure and page contents

P	Issue Opened Date	Where in the system (e.g. web, admin, api)	Description	Priority (1 = High, 2 = Med, 3 = Low)	Assigned to	Status
1	10.07.2015	web	fix 'admin' drop down menu in header bar	3	steph	closed
2	10.07.2015	web	remove references to 'priority'	3	steph	closed
3	10.07.2015	web	import fossil data sets	1	fin	open
4	10.07.2015	web → homepage	add gallery image	3	fin	closed
5	17/07/2015	web → homepage	events-to-fuseapp-defined-dates-time-place	3	steph	closed
6	19.07.2015	web	caption-font-size-Can-the-captions-be-a-smaller-font-size so they don't clash with the body text?	3	steph	closed
7	19.07.2015	web	images-if-you-select-left, right or black it doesn't seem to make a different (they are all left aligned)	2		closed
8	19.07.2015	web	Images: you can't insert image within a body of text using the image button (it requires an image url but the media gallery isn't prepopulated into it and the media gallery doesn't say what the url of each image is...)	2	steph	untested
9	20.07.2015	web	Blog entry: blog landing page summary seems to also show up on each blog entry as well. Can this be deactivated?	1		
10	20.07.2015	web	blog-landing-page-no-images-shown-in-summary-of-entries below	3		closed
11	20.07.2015	web	Internal URL: how do you link to internal pages without having to type the whole URL (which won't work after migration anyway)? e.g. For internal link to Events from a blog entry + put into hyperlink the slug events. this got added and the relevant link was https://citizan.willmurraycollege.ac.uk/blog/2015/jul/20/citizan-live-coast-coast/events/ - also pages that are child pages- do you have to put in the whole slug post-citizen.org.uk (e.g. resources/keysites)?	1	steph	closed
12	20.07.2015	admin	how to add new admin users? The option seems to have disappeared post migration the other week	5	steph	closed
13	20.07.2015	web	events- don't seem to display location (i.e. location: Name) despite all entries having something in the location field (e.g. Birling Gap)	2	steph	closed
			All pages: text width doesn't seem to match up with image width (regardless of size/dimension of image). Text is wider than image (see screenshot ID44) and looks messy. This also includes caption width. (see 2 screenshots)	4	steph	closed

Figure 4 CITiZAN issue tracker, shared on Google Sheets

3.8 Stakeholder development

4. Developing network of volunteers

Stakeholder development has been a crucial activity of the project. In the start-up phase, the CITiZAN team met with extensive numbers of stakeholders in order to develop our community and stakeholder networks, to create leads on which coastal sites to carry out fieldwork on, and to develop collaborate activities. See Section 4.2 below.

3.9 Site reconnaissance

4. Developing network of volunteers

5. National Training Programme

6. Wider Outreach Programme

In our 2014 application, CITiZAN proposed carrying out work on c. 20 key sites around England. CITiZAN archaeologists carried out several site reconnaissance visits in the first few months of the project at many more sites than our originally proposed c. 20 key sites. Reconnaissance is essential in this project, to ground truth sites highlighted in the RCZA surveys and assess suitability of locations for training especially in regard to their archaeological potential, their levels of access for the general public and for health and safety purposes.

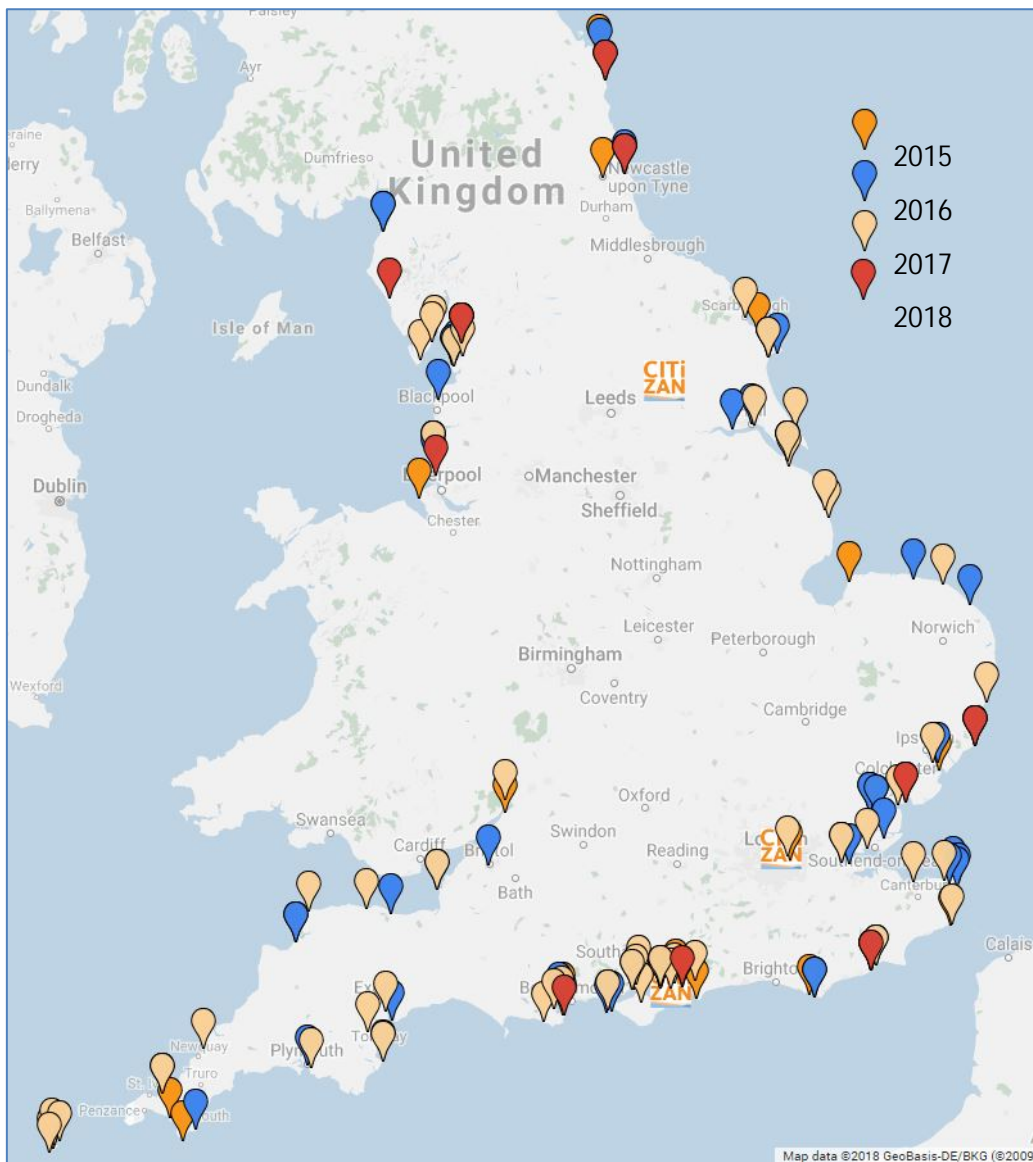


Figure 5 Sites visited in 2015 (orange), 2016 (blue), 2017 (peach) and 2018 (red)

3.10 Establish recording methodology

2. Development of recording system

5. National Training Programme

In 2015, the CITIZAN team developed and finalised our nationally consistent training programme and toolkit to ensure that our regional teams delivered standardised training sessions, albeit tailored for local audiences.

A number of paper proformas and guidance were created in the 2014 Development phase to help volunteers record coastal archaeology, including:

- CITIZAN feature, single-context recording sheet, to supplement the digital recording information
- CITIZAN timber vessel recording sheet
- CITIZAN non-timber vessel recording sheet

We created a number of guidance available in hard copy and online to help users of the interactive website and smartphone app, including:

- How to register to be a CITiZAN surveyor (app user)
- How to explore the Interactive Coastal Map
- How to add a new CITiZAN feature
- How to edit an existing CITiZAN feature
- How to submit a feature survey update

Over the course of the project, we have incorporated photogrammetry into our recording methodology, creating 3D models from still photographs using structure from motion techniques.

See section 4.6 4.6.4 for a detailed summary of our recording methodologies.

3.11 Establish policies

2. Development of recording system

5. National Training Programme

6. Wider Outreach Programme

One of the key aims of CITiZAN was to establish a standardised recording system to record and monitor intertidal and coastal archaeology around England. To best achieve this, we established policies to a national standard; training could then be flexibly delivered with regional variation to best suit the needs of various audiences.

These policies were placed on our website so they could be easily searched for using key words and found using search engines, e.g. Google. They were also drawn up as discrete documents which could be downloaded from our website, and also were distributed in hard copy to CITiZAN training event participants as a part of their training packs.

These national CITiZAN policies include:

3.11.1 Health and safety policies and checklists

The coastal and intertidal zone is a very dynamic environment with many potential hazards. It is essential that staff and all CITiZAN participants take risks seriously and stay safe. MOLA staff work in accordance with MOLA's Health and Safety Policy which is updated regularly.

We created a health and safety policy specific to working in the coastal and intertidal zone. This is a short document with easily understandable language which is available to download from our website and is distributed in hard copy at training events.

We also created a health and safety checklist with important information (tide times, essential kit, emergency contact numbers, etc), see section 10.1 below.

3.11.2 Volunteer code of conduct

CITiZAN appreciates the time, commitment and skills that volunteers contribute to the project and we are dedicated to ensuring that the experience is enjoyable, beneficial and safe for the volunteer. The Code of Conduct outlined what volunteers can expect from us and what we expect from them to ensure a productive, reciprocal relationship, see section 10.2 below. This document includes one section for the volunteer to keep and one outlining volunteer conduct for the volunteer to sign and return.

3.11.3 Image consent forms

CITiZAN record our outputs through extensive photography of archaeological features and of our activities; these are shared on our website and social media channels and can be deposited with archaeological data repositories. CITiZAN created image consent forms to ensure volunteers' personal privacy was respected throughout the project. Volunteers who did not consent to having their image captured were not included in any photography.

3.11.4 Finds policy and guidance

CITiZAN focuses on recording and monitoring structures, landscapes and archaeological features and did not want to encourage volunteers to collect artefacts. However artefacts are an essential evidence base for understanding the context of an archaeological site. Our finds policy provides guidance for CITiZAN participants on how to report finds to the appropriate existing bodies such as the Portable Antiquities Scheme, the Receiver of Wreck and the local coroner. These highlight certain legal requirements and time constraints for reporting, as are the case for Treasure or Wreck, and other permissions and restrictions in place by land owners. See section 10.3 below.

3.12 Media launch

4. Developing network of volunteers

6. Wider Outreach Programme

To reach out to potential volunteers and encourage them to join CITiZAN, a series of communications activities to launch the programme publicly took place from the 5 August 2015. As well as building on relationships with our high profile supporters and partners we engaged the public through media and social media channels.

Partner promotions: MOLA and all of CITiZAN's supporters and partners (HLF, National Trust, The Crown Estate, Council for British Archaeology and Nautical Archaeology Society) posted content on their channels, including: articles on their websites and newsletters, social media posts and leaflet swaps.

Marketing communications: an announcement went out to MOLA and CITiZAN's mailing lists, which featured a short film produced for launch. All of our activity was supported by social media campaigns.

Media announcement: selling in specific elements of the project, we promoted the project through national, regional, local, heritage and other press. We tried to concentrate on the most newsworthy and region-specific content, for example the use of drones and newly-exposed and at-risk archaeological sites. These included pieces for The Guardian, BBC News (science and environment), Radio 4, Country Life and Discover Britain magazines, and a number of regional news outlets.

4 Project Delivery, May 2015 –March 2018

4.1 Key results

Three years of CITiZAN have demonstrated the significance of our project for our network of volunteers, for the fields of coastal and public archaeology and for wider international and interdisciplinary studies. Since 2015, CITiZAN established strong collaborative national networks of local communities and professionals around England and implemented a national standard for recording England's threatened coastal heritage. Our project has far exceeded our original targets of training 300 participants and engaging a further 600.



From 2015 until the end of June 2018, we have:

- won for Arts, Culture and Heritage at The Charity Awards 2018, won a British Archaeological Award in 2018 for *Best Community Engagement Archaeology Project*, and were shortlisted for a Current Archaeology Live award in 2016 for *Rescue Dig of the Year*.
- held 243 outreach events increasing awareness of coastal archaeology in England, reaching 9234 people.
- indirectly engaged several million members of the public through our use of the media.
- carried out 120 training events across the country with 1337 people attending. We have 583 unique trained CITiZANs, many of these having returned for multiple fieldwork sessions.
- held 3 national conferences, encouraging and supporting our volunteer network to disseminate their findings
- delivered papers and chaired sessions at local, national and international conferences to disseminate CITiZAN's methodologies and discoveries.
- developed a large virtual community with 1609 likes on Facebook, 2273 followers on Twitter, 220 followers on Instagram, 2352 on our mailing list, and 2535 registered CITiZAN online surveyors (app users).
- had nearly 58,000 visitors (users) and nearly 292,000 page views to our project hub at <http://www.CITiZAN.org.uk/> since the website launch in July 2015.
- had 1527 new archaeological features added to our interactive coastal map and 2289 monitoring updates submitted and published, supplying 3927 new photos of heritage assets along England's coastline and estuaries. These have been deposited with the Archaeology Data Service and supplied to local HERs and national bodies.
- received volunteer in-kind contributions valuing £193,262.

4.2 Developing network of volunteers

4. Developing network of volunteers
6. Wider Outreach Programme
8. Sustainability beyond funding period

4.2.1 Stakeholder development

CITiZAN is the Coastal and Intertidal Zone Archaeological Network; our network is a core part of our project. This involved developing a network of communities and volunteers to assist with monitoring at-risk coastal archaeology and connecting them with a network of professionals and stakeholders to support them.

We carried out extensive stakeholder and community development throughout the project. See section 15.1 for a list of groups and individuals met with and section 15.2 for a list of events attended as a part of stakeholder development / networking over the life of the project.

4.2.2 Social Media

We have developed a large virtual community with 1609 likes on Facebook, 2273 followers on Twitter, and 220 followers on Instagram.

We regularly share original content, with the intention of driving traffic back to the CITiZAN website.

We have gone viral several times over the life of the project, with links our 3D models, our discovery of a mammoth tusk in Essex, and our blog on the rediscovery of a Bronze Age shaft in East Sussex being shared widely.

We have also run several targeted social media campaigns during the project. In 2015, we launched our regular weekly #TidalTuesday campaign where we share intertidal discoveries and facts each Tuesday.

We have also run a social media campaign tied in with the transmissions of our TV show *Britain at Low Tide* on Channel 4 using the hashtag #BritainAtLowTide. By using targeted social media marketing strategies we enhanced the viewing experience of Channel 4's *Britain at Low Tide* by providing behind the scenes information which supplemented the TV show. Importantly however, the intention of this campaign was to convert enthusiasm for the programme into participation; we aimed to tap into public conversations online and direct members of the public towards our website and smartphone app. This succeeded in amplifying national press coverage of threatened coastal heritage and importantly converted this into enthusiastic CITiZAN participants, with website traffic spikes corresponding with Twitter links and registered users increasing during transmission, (see section 4.5.2 and 4.6.3 below).

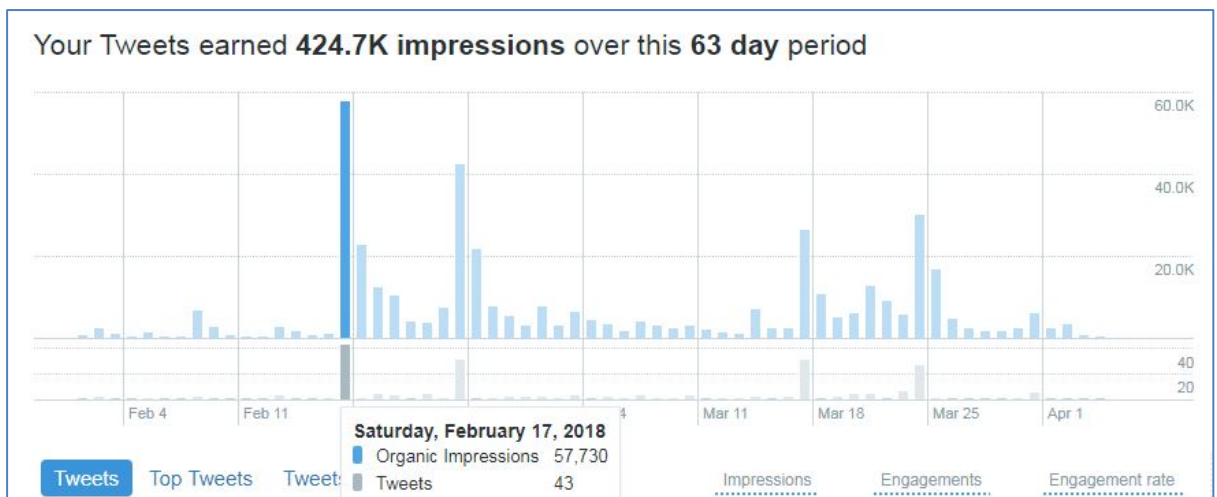
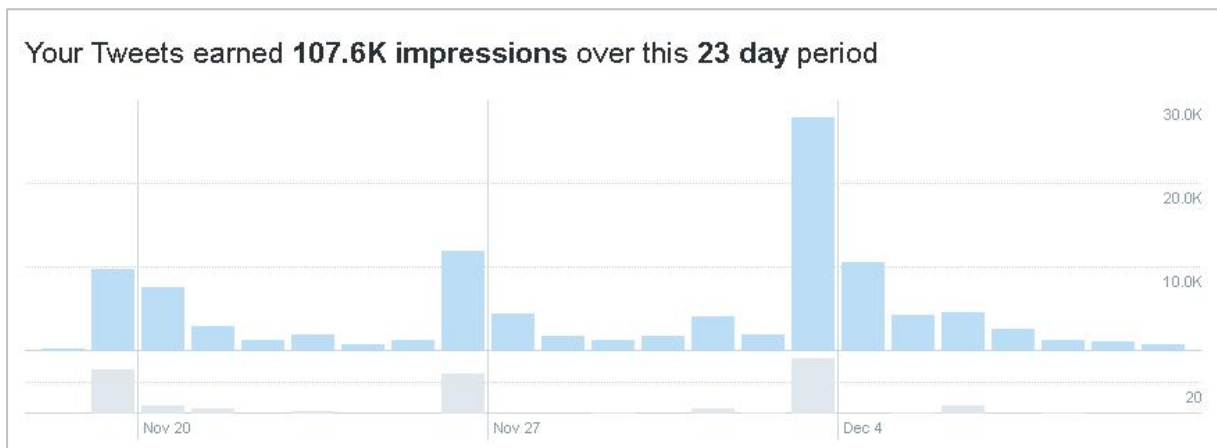


Figure 6 Our #BritainAtLowTide campaign resulted in massive peaks in our Twitter engagement on Saturday nights with between 10-60K impressions each night for Series 1 (top) and Series 2 (bottom)

4.2.3 E-newsletters

Over the course of the project, the CITIZAN regional teams have sent out monthly regional (North, South West and South East) newsletters providing news on recent discoveries, new research, and upcoming events.

We now have more than 2300 on our mailing list. In May 2018, this was cleaned to adhere to the new General Data Protection Regulation (GDPR) European legislation.

4.2.4 Volunteering time

As set out in section 3.2 above, CITIZAN aimed to secure a minimum of £27,000 worth of volunteer contributions. Contributions made to the project totalled £193,262. These included volunteers working in the CITIZAN offices, student placements, professional contributions, and app user contributions. See also Section 14 Appendix.

Type	HLF Volunteer in-kind contributions
Unskilled	£300
Skilled	£164,700
Professional	£28,262
Total	£193,262

Figure 7 HLF Volunteer in-kind contributions, 2015–18

4.3 Wider Outreach Programme

4. Developing network of volunteers
6. Wider Outreach Programme
9. Evaluation
8. Sustainability beyond funding period

4.3.1 National outreach programme

Our outreach programme of guided walks, lectures, manned stalls and other activities are raising awareness and enthusiasm for the project and for at-risk intertidal and coastal archaeology. We have held 243 outreach events and engaged over 9000 people.



Outreach events, such as this stall at the Broadstairs Folk Festival, offer opportunities to engage new audiences with local heritage and can encourage further participation in CITiZAN

Of our outreach events at which evaluation forms were distributed, a significant amount of attendees identified themselves as having no previous experience in archaeology project (24%). Several of these outreach events were specifically designed to target new audiences, such as dog walkers, artists and young people. Additional outreach events for which evaluation forms were not distributed include manning outreach stalls at coastal festivals, Bioblitz events and even food fairs which specifically targeted non-archaeological audiences.

Our events ranged from leading guided walks and dog walks, delivering lectures on coastal heritage and CITiZAN's monitoring work, bringing leading experts from national institutions and universities to our audiences, or participating in external events, such as Heritage Open Days or the Council for British Archaeology's annual Festival of British Archaeology. We have hosted two placement students from York University, who received experience in public archaeology and learned skills in intertidal archaeology.

Our project-wide target as originally set out in our 2014 Second Round application was to actively engage 600 participants. We have exceeded this target more than tenfold and all regional centres have exceeded the targets for numbers of annual outreach events, 10 to 15 per centre per year.

CITiZAN centre	Target No engaged	Actual No engaged	% of target
South West	200	3053	1526.5%
South East	200	2939	1469.5%
North	200	1831	915.5%
National	-	1411	
Total	600	9234	1539.0%

Figure 8 Numbers of people directly engaged at CITiZAN Outreach events, 2015–18

CITiZAN centre	Target No events	Actual No events	% of target
South West	30-45	73	162.2%
South East	30-45	68	151.1%
North	30-45	67	148.8%
National	-	35	
Total	90-135	243	180%

Figure 9 Numbers of CITiZAN Outreach events, 2015–18

4.3.2 Media engagement

CITiZAN believes in maintaining a high public profile, using traditional press and media as well as social media outlets as a form of indirect audience outreach to achieve our project aims of increasing awareness of at-risk coastal and intertidal archaeology. This also generates interest within local communities to get involved with the project and our collaborative work with project partners. We have featured frequently in local and national newspapers, such as *The Guardian* and *The Times*; we often give radio interviews to local BBC radio to advertise events or to publicise findings; and have appeared in local and national TV slots on BBC, ITV and Channel 4, on local news pieces and on national featurettes such as *Countryfile Winter Diaries* and *Digging for Britain*. CITiZAN's work has also been featured in *Current Archaeology*, *British Archaeology* and *New Scientist*.



Figure 10 CITiZAN helped to develop *Britain at Low Tide* which was commissioned for three series on Channel 4

CITiZAN helped to create *Britain at Low Tide*, a TV mini-series commissioned by Channel 4, with producer TernTV. Series 1 was filmed over the summer events season of 2016 and aired in November-December 2016 and was re-run in August 2017. Each episode looked at CITiZAN's work in a particular region: in Northumberland, Formby and Essex-Kent and included scenes of CITiZAN archaeologists working with local volunteers. Tern TV were commissioned for a second series by Channel 4 at the end of 2016 which aired in February – March 2017, focussing on new Discovery Programme areas: Poole Harbour and the Humber, as well as 2015–18 key sites Severn and East Sussex and two episodes in Scotland highlighting work by SCHARP.

This represented a real opportunity to present the CITiZAN message to a wide national audience, and to reach members of the public who do not currently engage with archaeology. *Britain at Low Tide* series 1 proved to be the most-watched programme on Channel 4 those Saturday evenings, and

retained its audience of some 1.3 million viewers for each of the three programmes (well exceeding the expected 800,000 viewer target). As a result of targeted social media campaigns, CITiZAN saw a pronounced spike in related social media traffic, in visits to the website, and, particularly valuable, in new registered CITiZAN smartphone app users.

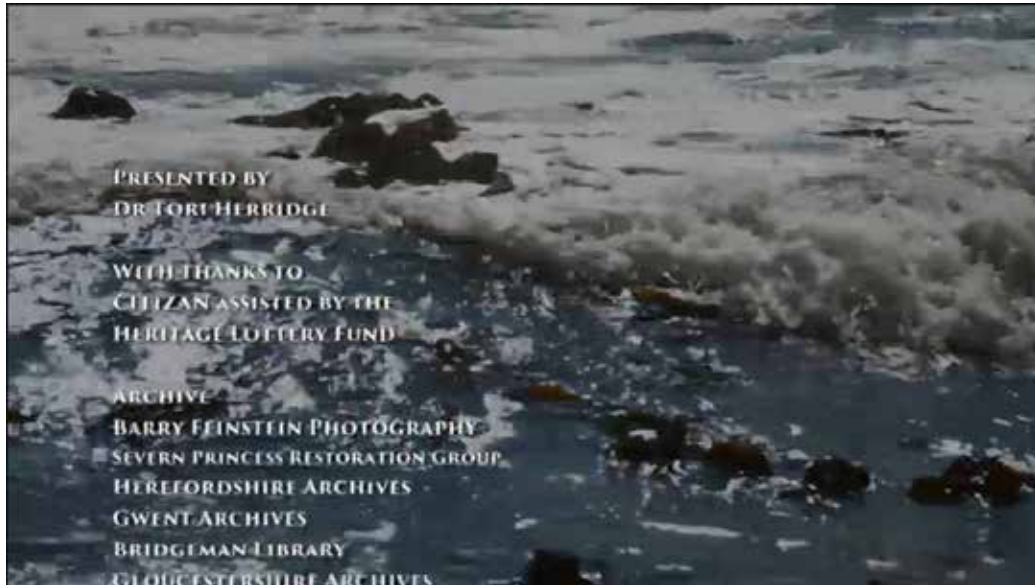


Figure 11 Acknowledgements in the credits of Britain at Low Tide for CITiZAN and HLF

Series 2 of Britain at Low Tide aired on Channel 4 on Saturdays at 8pm from 17 February to 1 April. This series consisted of 6 episodes, 4 of which were filmed near CITiZAN key sites: East Sussex, Dorset, Severn, and Yorkshire. The other two episodes were based in Scotland and featured work by SCHARP. Viewing figures held up very well, with 1.5 million watching the first episode and most episodes achieving over 1 million viewers for the whole series. According to producers Tern TV, 'overall the show is getting 30% above the slot average'.

4.3.3 Academics conferences

CITiZAN staff have **chaired or co-chaired** sessions at national and international conferences including:

- 'Theories of change: assessing the benefit and impact of archaeology', Chartered Institute for Archaeologists (Cifa) 2019
- 'Just Add Water and Mix: Heritage and Climate change, challenges and novel methods', co-chair, European Archaeology Association (EAA) conference 2018, Barcelona
- 'Coastal and Island Archaeology', chair, Society of American Archaeologists (SAA) conference 2018, Washington DC
- "'Oh, I do like to be beside the seaside': community collaboration and innovation on the coast", chair, CIFA 2018, Brighton
- 'Young people in archaeology', chair, Theoretical Archaeology Group (TAG) 2015, Bradford

CITiZAN staff have **delivered academic papers or posters** at a number of regional, national and international conferences including:

- European Archaeology Association (EAA) conferences in Glasgow 2015, Maastricht 2017 and Barcelona 2018
- Society of American Archaeologists (SAA) conference in Washington DC 2018
- Modern Climate Change and the Practice of Archaeology, Jesus College, University of Cambridge 2017
- Cifa conferences 2016, 2017, 2018

- Theoretical Archaeology Group (TAG) 2015, 2017
- SCAPE and NAS joint conference, Glasgow 2016
- Nautical Archaeology Society (NAS) conferences 2016, 2017
- Post-Medieval archaeology conferences 2017, 2018
- Thames Discovery Programme Foreshore Forum 2015, 2106, 2017, 2018
- MOROL (Institute of Welsh Maritime Historical studies) Conference, Wales 2015, 2016
- CBA Yorkshire Annual Symposium 2017
- Exmoor National Parks 'Getting Involved' volunteer conference 2017
- Bones to Drones Conference 2017
- Sussex Archaeology Symposium 2016, 2017
- AGES Conference 2016
- Rathcrogen conference, Ireland, 2016
- Plymouth Coastal Observatory Conference 2016
- Landscape Survey Group Conference 2016
- Severn Estuary Forum 2016
- National Maritime Museum Lecture Series, 2016
- Nottingham University 3D heritage conference, 2016
- Heritage Alliance AGM 2016
- Transforming the Thames annual forum 2015
- HER Winter Forum 2015
- Quaternary Research Association (QRA) meeting 2015
- Beyond the seas Symposium 2015

4.3.4 Publications

CITIZAN staff have **published academic papers** in edited works including:



Figure 12 A selection of publications by CITIZAN

- Milne G, 2017 'The Thames at War: a secret history uncovered' in N. Cohen & E. Wragg *The River's Tale: archaeology on the Thames Foreshore in Greater London*: MOLA, pp 101-112
- Momber, G., Tidbury, L., Satchell, J., & Mason, B., 2017 'Improving management responses to coastal change' in Dawson, T., Nimura, C., López-Romero E., and Daire, M. (eds) *Public Archaeology and Climate Change*: Oxbow Books, pp 34-43
- Tidbury, L., Satchell, J., and Momber, G. 2017. *Arch-Manche: Using Archaeological, Paleoenvironmental, Historic and Artistic Resources in Coastal Management* in Bailey, G.,

Harff, J., Sakellariou, D. (eds) *Under the Sea: Archaeology and Palaeolandscapes of the Continental Shelf*: Springer

- Wragg, E., Cohen, N. Milne, G. Ostrich, S. and Nimura, C. 2017. 'Community recording and monitoring of vulnerable sites in England' in Dawson, T., Nimura, C., López-Romero E., and Daire, M. (eds) *Public Archaeology and Climate Change*: Oxbow Books

CITiZAN have published a number of **popular articles** including:

- Milne, G. 2015. 'CITiZAN: Turning the Tide' *British Archaeology* (Sept/Oct 2015)
- Ostrich, S. 2015. 'Coast to coast: recording England's vanishing heritage' *Current Archaeology* (306), pp 36–41
- Sherman, A. 2015. 'CITiZAN: Community archaeology around the English coastline' *Forum: The Journal of Council for British Archaeology Yorkshire* Vol. 4, pp 25-28
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4.4 National training programme

4. Developing network of volunteers

5. National Training Programme

9. Evaluation

Our training programme has established a national standard for recording intertidal and coastal archaeology. Our growing army of volunteers is now directly involved in recording threatened archaeological sites and features all round our coast, our foreshores and our estuaries. These teams have been trained to identify, survey and monitor the long-term fate of their local coastal sites, unlocking the often untapped research potential of these fragile features.



Figure 13 CITiZAN volunteers record a hulked vessel using off-set survey in the Maldon Barge Graveyard

We created a CITiZAN-edition of the BAJR (British Archaeology Jobs Resource) Skills Passport. These passports were distributed to all training programme participants. Newly learned or developed skills are recorded and signed off by the trainer. This acts as a record which can be used to demonstrate continued professional development.

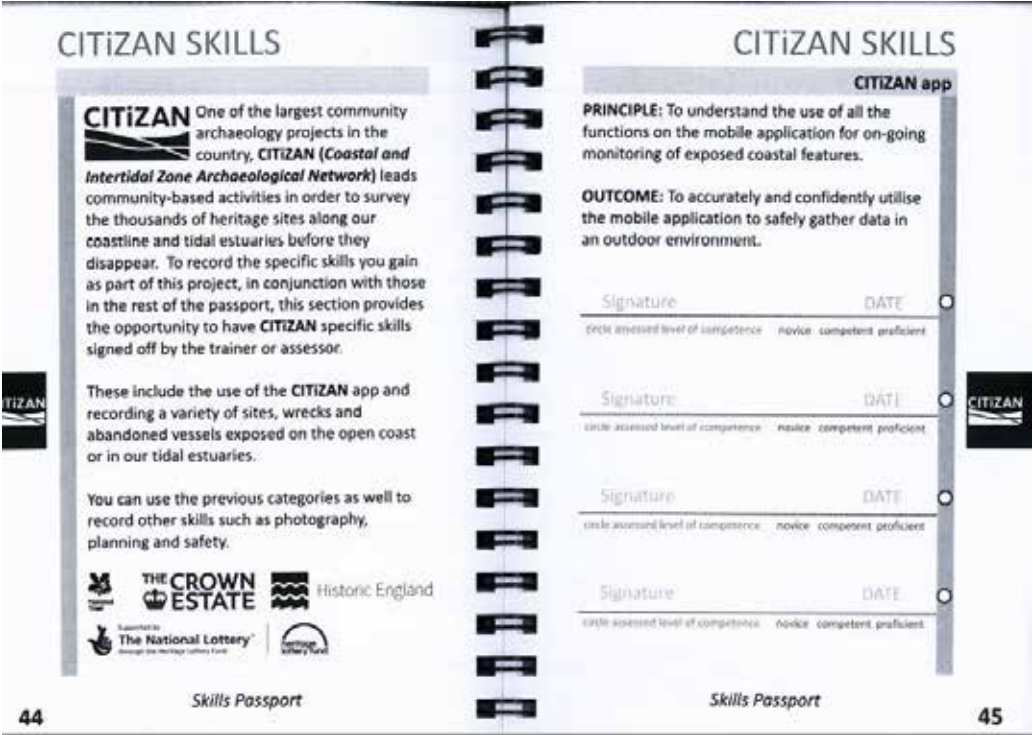


Figure 14 The CITiZAN edition of the BAJR skills passport allows participants to keep track of the skills they have learned/developed.

CITiZAN have held 120 training events and additional follow up visits along England’s coastline and tidal rivers. More than 1300 people have attended these training sessions, with many of these repeatedly attending sessions however nearly 600 of these are unique attendees showing the popularity amongst returnees in our training programme. We have far exceeded our original project aim of training 300 members of the public over the three years of the project. CITiZAN have rolled out a national standard for training workshops and toolkits to record foreshore archaeology.

CITiZAN centre	Target No trained	Actual No trained	% of target
South West	100	300	300%
South East	100	590	590.0%
North	100	375	375.0%
National		72	
Total	300	1337	445.7%

Figure 15 Numbers of (non-unique) people attending CITiZAN Training events, as of end June 2018

CITiZAN centre	Target No events	Actual No events	% of target
South West	15-30	32	106.7%
South East	15-30	39	130%
North	15-30	45	150%
National		4	
Total	45-90	120	133.3%

Figure 16 Total numbers of CITiZAN Training events, as of end June 2018

4.5 Development of Website

2. Development of recording system
3. Development of website
4. Developing network of volunteers
5. National Training Programme
6. Wider Outreach Programme
8. Sustainability beyond funding period

Our interactive website www.CITIZAN.org.uk is the hub for communication and participation in the project. It features information on intertidal sites, educational resources and how-to guides and hosts our project data, reports and our blog. It also features our interactive map

4.5.1 CITIZAN blog

A main feature of the CITIZAN website is our multi-vocal blog. This features articles from CITIZAN staff, volunteers and stakeholders about coastal and intertidal research, news, and the volunteer experience. See section 13.1 for a list of all published blog posts and authors.

4.5.2 Website metrics

This was launched on 24 July 2015, to coincide with the Day of Archaeology during the Festival of Archaeology and at the height of our first summer season. Since then we have had over 58,000 visitors (users) and over 296,000 page views (see Figure 17).

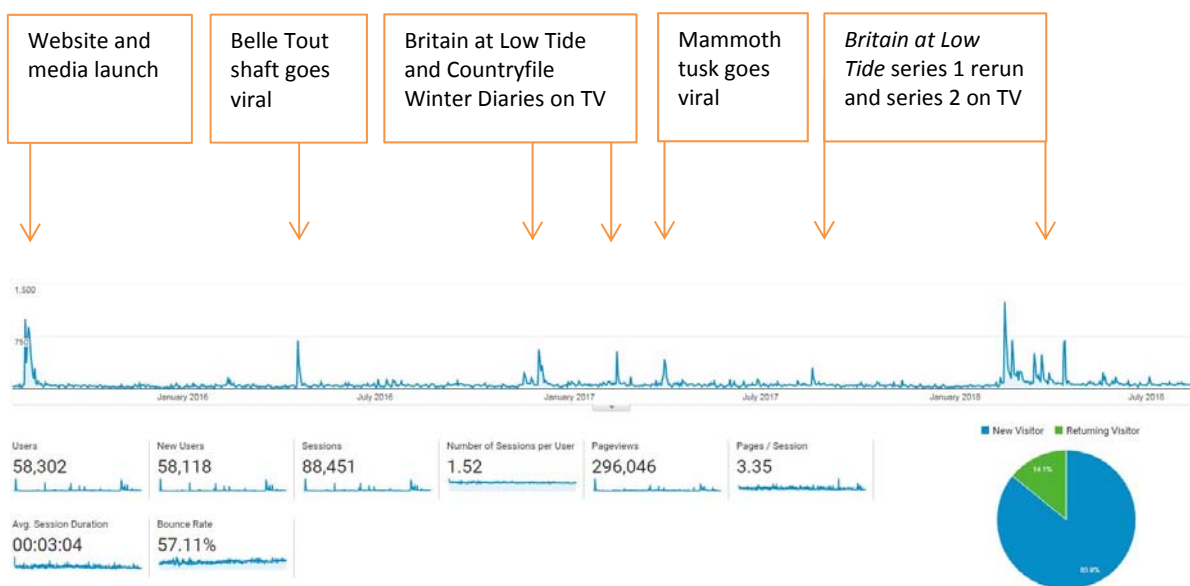


Figure 17 Spikes in website traffic and corresponding media activities

Being involved in media has allowed us to reach new and remote audiences. There have been several peaks in web traffic over the life of the project as can be seen in the graphic above, thanks in part to savvy use of traditional media (television, print and radio) and social media posts directing traffic back to the website. Highlights include the official website launch date in 2015; the transmission of media programmes featuring CITIZAN such as *Countryfile Winter Diaries* in February 2017 and *Britain at Low Tide* in late 2016, series 1 rerun in August 2017 and series 2 in February – March 2018; and several viral social media posts of CITIZAN discoveries, including the Belle Tout Bronze Age shaft in April 2016 and a mammoth tusk at Mersea Island in late March 2017. Peaks due to media interest also tend to correspond with increased numbers of registered app users (see Figure 19).

4.6 Development of Recording System

2. Development of recording system
3. Development of website
4. Developing network of volunteers
8. Sustainability beyond funding period

4.6.1 CITiZAN data

2. Development of recording system

Our baseline dataset contains coastal and intertidal sites and features in England within a coastal buffer zone from Mean Low Water to 200m inland of Mean High Water. This was collated in 2014 from a variety of sources: Historic England, HERs, the National Trust and local archaeology groups including the Thames Discovery Programme. It can be interrogated, edited and updated online by registered users on our interactive coastal map and app.

We record data on the visibility of archaeology at the feature/monument level, collecting information about archaeological features as they are exposed by erosion in the intertidal zone. Any member of the public can become an online CITiZAN surveyor and use the map or smartphone app to create core feature records and contribute to the long-term monitoring of change of these features by submitting survey updates.

- Core feature data are monument data for each CITiZAN feature, including location, description and period of use. Each feature has one core data record, which can be edited by CITiZAN surveyors.
- Update surveys are event data which captures a snapshot rapid condition survey from each monitoring visit to a CITiZAN feature. This includes information on the date of survey, state of the tide and any change observed due to erosion, accretion or other damage. A feature can have several update surveys, allowing us to monitor its condition over time.
- Updates surveys also include images of the feature and surrounding environment on the day of the survey.

We have moderated all submitted data. These have been deposited with the Archaeology Data Service and supplied to local HERs and national bodies. To June 2018 we have had:

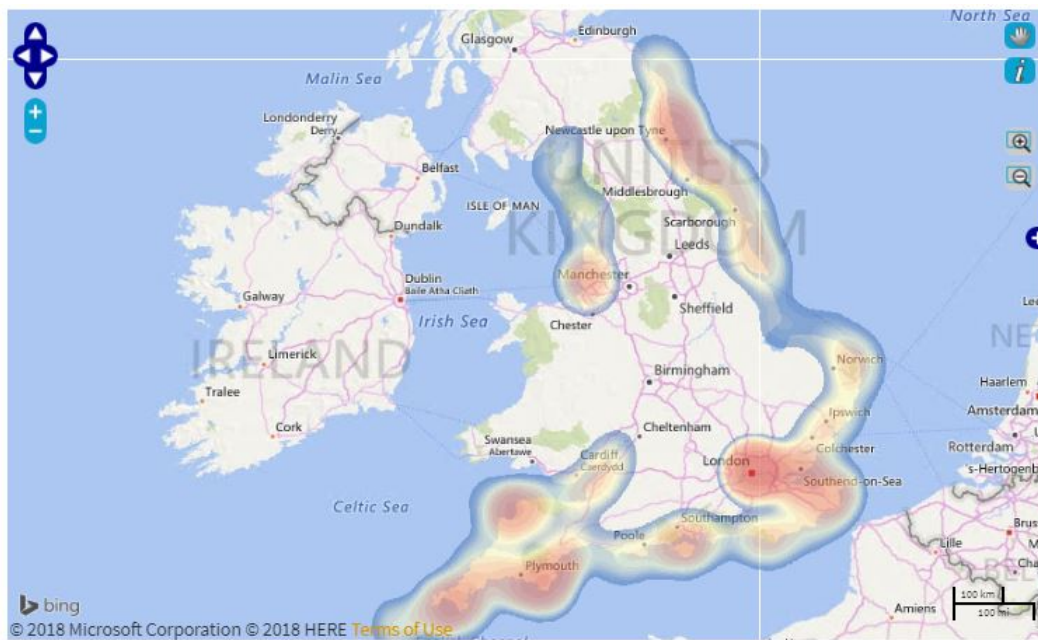
- 1527 new core features
- 2289 monitoring update surveys
- 3927 new photos

4.6.2 Online interactive coastal map

The CITiZAN interactive coastal map < <http://www.citizen.org.uk/interactive-coastal-map/> > shows archaeological features present on and near the tidal rivers and coastline of England. Anyone can explore the map and learn more about these features, but to add or make changes to these records, requires registering as a CITiZAN surveyor.

CITiZAN's web-based interactive coastal map hosts all of the baseline dataset (see section 3.6), newly added features and condition surveys (see section 4.6.1).

There is also an option to download PDFs of forms so that volunteers who are not comfortable using an online system can submit updates on hard copy.



Map markers

- original CITiZAN feature
- newly-recorded feature

Map controls

- pan around the map
- select a feature and see further information
- zoom in - drag a box to define an area
- zoom out - drag a box to control extent

Figure 18 The CITiZAN interactive coastal map allows registered users to record new features and submit condition survey reports

4.6.3 CITiZAN smartphone app and registered users

Quick and intuitive recording methods are important to support volunteer participation and are essential when working within the few hours when a feature is exposed by the tide. The CITiZAN coastal archaeology smart phone app, modelled on the award-winning ShoreUpdate developed by SCHARP, is part of CITiZAN's primary archaeological toolkit and captures GPS point location, proforma information and photographs. The app is free to use and crucially it works offline, as mobile coverage can be patchy in places along our coastlines.

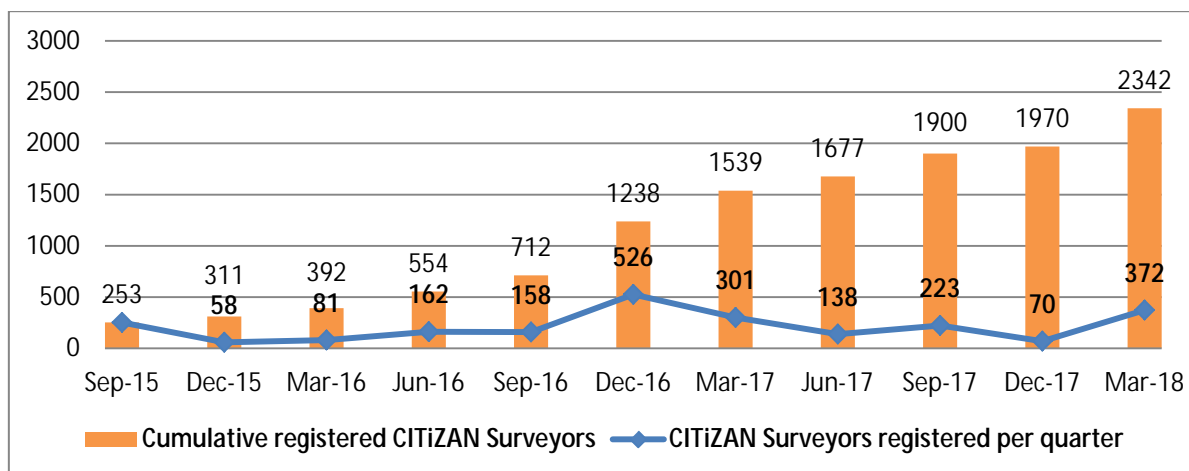


Figure 19 CITiZAN surveyors (app users) registrations per quarter

As of end of June 2018, we have 2535 registered app users. Of these, 470 app users are full site surveyors meaning they can update/edit sites and add monitoring photos).

Of these site surveyors, there are 166 active users (those who have submitted new features, edited existing features, provided a condition survey update). This not to say the smartphone app is not a useful tool for engaging people; it is especially important for engagement and participation for people living in remote areas. Many people have also used the app not for recording but as a tool for contextualising their self-guided visits to the coast, exploring the dots and sites themselves.

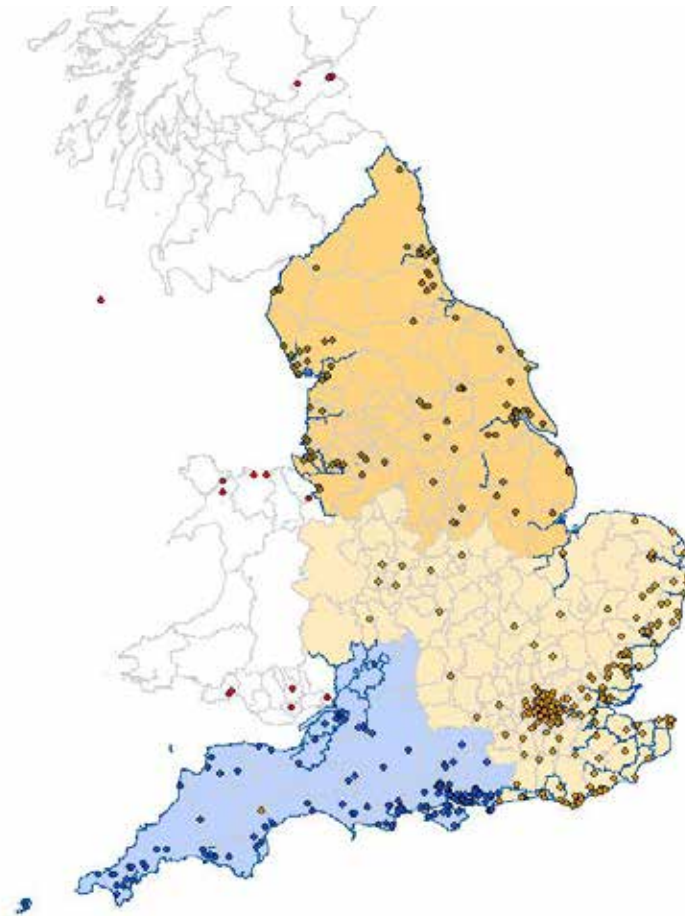


Figure 20 Locations of registered CITIZAN app users around the country

Of those who have supplied location information (563):

- 19% (105) users are located in our North region
- 27% (154) are in our South West region
- 24% (239) are in our South East region
- And 20 are located outside of England, including Wales, Scotland, Northern Ireland, Belgium, Spain, Canada and the United States.

The high number of users in the South East region can be explained by the adoption CITIZAN's recording system by existing community group the Thames Discovery Programme.

Of those who have supplied demographic information (563):

32% are retired, 24% of our users describe themselves as amateur archaeologists, 15% have no previous archaeological experience and 15% are professional archaeologists (excluding CITIZAN and TDP staff) showing that it is successful in reaching new audiences.

4.6.4 Photogrammetry

Photogrammetry in simple terms is the creation of 3D models of objects, buildings or landscapes using a series of overlapping photographs which are so accurate they can be measured from — essentially a 3D site plan. Popularity in 3D models created using this method has surged dramatically in recent years as the software to process them such as Agisoft PhotoScan becomes cheaper and more powerful. Using precise calculations and computer algorithms, 3D models created using photogrammetric methods can be scaled to very accurate proportions allowing the viewer to take measurements of the model as if they were observing the real object, feature or site.

When dealing with foreshore archaeology this is an indispensable tool given the often extremely limited tidal timeframes during which fieldwork can be undertaken. With a photogrammetric survey of a CITiZAN site taking on average 15 minutes to complete, this method of recording allows for continued study away from the foreshore and the encroaching tides. Additionally, the required survey data can be captured by ground based or aerial based cameras. This means that sites that are totally inaccessible by foot due to thick muds or dangerous locations, can be aerially surveyed and modelled from the safety of the office, providing a 3D record that would be otherwise unobtainable.

The cultural heritage sector in particular has benefited from this mini revolution in that it has allowed people a new form of access to archaeological sites and artefacts from around the world. Platforms such as Sketchfab have provided a new interactive experience to priceless objects by letting viewers manipulate and explore objects in ways that not even museum curators are allowed to by hand. There is a very clear benefit to outreach programmes that photogrammetry provides — it brings access to the otherwise inaccessible allowing stories to be told that often go beyond that which can be told by photograph alone.

The importance of Photogrammetry and structure from motion (SfM) as a recording tool for CITiZAN was highlighted from 2015. CITiZAN's first photogrammetry model of an eroding brick kiln at Brownsea Island, Dorset was created by the Maritime Archaeology Trust (MAT) in August 2015 using Agisoft Photoscan. This was created using photos taken by a volunteer on CITiZAN's site camera, a Nikon Coolpix.



Figure 21 3D model of the Brownsea Brick Kiln, produced by the Maritime Archaeology Trust (MAT) for CITiZAN in 2015.



Figure 22 3D model of the Brownsea Brick Kiln, in 2016 showing erosion. Note the collapsed arch, centre.

We carried out monitoring visits to the site each year. The 3D models clearly show the extensive amount of erosion that has taken place over the life of the project. These models can be analysed spatially (using ArcGIS) to quantify the amount of change over time, i.e. to quantify the rate of erosion.

CITiZAN have created 61 and published 33 3D-models of dynamic foreshore features using MOLA's Agisoft Photoscan licence and processing server. These models are hosted online on CITiZAN's Sketchfab account: <https://sketchfab.com/citizan>

4.7 CITiZAN conferences

6. Wider Outreach Programme

7. Annual conference

CITiZAN have also organised and delivered 3 annual conferences featuring a mix of academic, professional and volunteers presenting on work on coastal and intertidal archaeology. These have been very well-received by attendees, speakers and sponsors. The conferences have been held around the country, with each being organised and delivered by a different CITiZAN region to provide a wider access for our volunteers based around the country.

The first annual conference was held in Bridlington in 2015, a beautiful location and a CITiZAN key site. This featured presentations from volunteers in the North region, information stalls and a catered lunch; 40 people attended. We learned many lessons from this first conference, namely that to improve attendance figures it needed to be better advertised, and perhaps based in a more easily accessible location.

The second annual conference was held in 2016 in Bristol at the SS Great Britain, and sponsored by Boskalis Westminster. This again featured talks from volunteers as well as professionals and was catered but this time also featured an activity with attendees able to take a free tour of the ship. It was held in a more central location, better accessed by public transportation, and CITiZAN was more well-known having been active for nearly two years; 90 people attended, more than double that of the previous year. Feedback was positive highlighting these changes were noticed: '*Speaker line up was really good. Event ran smoothly. Lots of good networking opportunities for both individuals and organisations. Fantastic venue. Logistics of getting to venue etc. were easy.*'



Figure 23 CITIZAN conferences bring together volunteers and professionals

The third conference was jointly held with the Thames Discovery Programme in London in 2017, and sponsored by CH2M. In addition to presentations, and stalls, there was a wine reception on the Saturday evening to celebrate the Thames Discovery Programme's book launch. We concluded the day with a secret raffle, with prizes donated by speakers, local groups and partner organisations. The talks were professionally filmed and published on YouTube: <https://tinyurl.com/yb9vxxqa>. This was done to help increase access to the conference for those who could not attend on the day (due to time, cost or physical access constraints of getting to London), to increase general awareness of the project, and to more widely distribute findings from the project. Although several people commented on issues with audibility and microphone use which will be addressed at future events, feedback again was generally positive: *'V impressed by the range of projects and they all sound really interesting. And important. The variety of reports meant interest never flagged'*.

4.8 Evaluation

4.8.1 Evaluation data collection

Evaluation data were collected using feedback forms distributed at outreach and training events, where appropriate. The data from these forms were inputted into an excel spreadsheet and provided to our external evaluator annually, to help inform her annual reports.

In 2017, the evaluation forms were updated in order to capture data on repeat attendance. This proved a useful metric of sustained engagement and also allowed us to capture data on 'new audiences'.

These data informed the annual evaluation reports and final evaluation report compiled by our external evaluator.

4.8.2 Evaluation reports

In each of the three years, external evaluator Esther Gill compiled a detailed evaluation of one element of the project:

- 2015: outreach and training programme
- 2016: the smartphone app recording system
- 2017: engaging young people

The findings from these interim reports were integrated into the project, resulting in more responsive and effective activity delivery. See section 6.2 for a summary of results.

These have been put onto the CITIZAN website and submitted to the Heritage Lottery Fund. See links in the bibliography below.

4.9 Sustainability and fundraising

A condition of the HLF award was that we raise match-funding of £182,000, and as at the end of March 2017, that had been achieved with a further 12 months of the project to run.

Source	Received
Crown Estate	£75,000
National Trust	£63,000
Chichester AONB	£1,868
Boskalis	£2,000
CBA	£500
Conference ticket sales	£645
Tern TV	£10,000
MOLA Ambassadors and Patrons Fund	£1,987
Total	£155,000
Volunteer time	£193,263
Total secured	£182,000

Sustainability options were assessed throughout the delivery phase. See section 5.3 for a discussion of the 2018+ sustainability plan.

5 Project wrap-up, April – June 2018

5.1 Site reports (Grey-literature)

CITiZAN staff have **written 23 grey literature (unpublished) reports** for our key sites around the country. These have been submitted to the Archaeology Data Service and distributed to appropriate Historic Environment Record (HER) offices, Local authorities and will be made publically available on our website:

- Band, L. 2016b. Barge Graveyard, Maldon, Essex
- Band, L. 2017a. Orford Ness, Suffolk: four CITiZAN surveys 2016-2017
- Band, L. 2017c. Pegwell Bay, Kent
- Band, L. 2018a. Orford Ness, Suffolk: PoW Camp
- Band, L. 2018d. Coalhouse Fort Park, Essex
- Bellisario, A. 2016a. Hatherwood Battery, Isle of Wight
- Bellisario, A. 2018b. Stanswood Bay, Lepe Country Park, Hants
- Bellisario, A. and Tidbury, L. 2016. Saltworking in Chichester Harbour, Hants & West Sussex
- Clement, M. 2016. St Patrick's Chapel, Heysham, Lancashire
- Clement, M. 2017a. Coastal and intertidal archaeology activities for YAC
- Clement, M. 2017b. Lifeboat Station No. 1 Slipway, Priors Haven, Tynemouth
- Hutchinson, O. 2018a. Monkey Beach, Mersea Island, Essex
- Hutchinson, O. 2018b. Fen farm, Essex
- Kearns, T. 2018a. Turf Lock Barge, Devon
- Kearns, T. 2018b. St Mary's, Isles of Scilly
- Mason, N. 2018b. Earles Shipyard, Kingston-upon-Hull, Yorkshire
- Sherman, A. 2016a. Cleethorpes Submerged Forest, Terminal Groyne, Cleethorpes, NE Lincs
- Sherman, A. 2016b. Jenny Brown's Point, Silverdale, Lancs
- Sherman, A. 2018a. Beadnell, Northumberland
- Sherman, A. 2018a. Cleethorpes submerged forest, further works, NE Lincs
- Sherman, A. 2018e. Howick bathing pools, Northumberland
- Tidbury, L. 2018b. Middlebere, Dorset
- Tidbury, L. 2018c. Brownsea Island, Dorset

5.2 Data deposition and dissemination

The results of CITiZAN surveys (see section 4.6.1) were made publicly available on the CITiZAN website: <http://www.citizan.org.uk/>. Data were uploaded to the CITiZAN interactive database. This allowed ease of future long-term monitoring of the site via the CITiZAN online interactive map and smart phone app and was intended to permit inclusion of the data in any future academic researches into coastal and intertidal archaeology, see <http://www.citizan.org.uk/interactive-coastal-map/>.

Records were deposited with the Archaeology Data Service (ADS) and with appropriate local repositories via the ADS. Data were submitted with project- and file-level metadata.

5.3 Sustainability

CITiZAN 2015–18 has been extremely successful and made a national and international impact in coastal and intertidal archaeology, public archaeology and climate change studies (see section 6). We have established a strong national brand and ethos for public participation in coastal and intertidal

archaeology and highlighted steps to ensure long-term sustainability through our newly proposed Discovery Programmes and Responsible Stewardship project.

One of the aspirations of the initial HLF-supported project was to develop an effective sustainability plan, to ensure that the project could maintain its momentum and become self-supporting in the future. In the three years starting in 2015, CITiZAN established the project's profile, brand and aims; developed a national *modus operandi* for training, survey and monitoring procedures; identified c. 20 key sites, built formal partnerships and worked closely with local communities.

We have evaluated our original sustainability plan, which was to find the resources to continue with what we had established in 2015–18 however as can be seen by how much we exceeded our original project targets, CITiZAN has grown massively in scope. In the light of experience, it became clear that the long-term survival and future development of the project demanded major changes in direction and approach. To achieve this, a further three-year programme has been put forth to the HLF, building on the foundations and investment established in 2015–18, with four new directions:

- a) **Repositioning the project within a broader cross-sector context.** This would require more formal collaboration with Historic England, with Universities and with conservation-minded agencies such as the National Trust, National Parks and Natural England.
- b) **Refocussing much of our energy on six specific locations.** Rather than attempting to work at twenty or more sites, the new generation of regional 'Discovery Programmes' would enable the team to support training, survey, monitoring and research in much greater and more effective depth than was previously possible. It would also embed the project much more deeply in the community at all levels, a key milestone for ensuring its sustainability.
- c) **Redirecting our coastal heritage survey with stronger links to climate change studies.** It is clear that detailed mapping of the long-term rate of exposure and loss of archaeological features exposed on the coast can be seen as a proxy for calculating the broader picture of regional coastal erosion. In addition, the detailed identification and measuring of markers for ancient relative sea-level change also provides reliable data for estimating the long-term trajectory of rising sea-levels. Taken together, it can be seen that CITiZAN's coastal surveys are therefore as much concerned with heritage as with understanding climate change.
- d) **Reviewing the income streams that such a new project requires.** This would involve:-
 - locally-based fund-raising efforts to support each of the six new Discovery Programmes;
 - offering at-cost courses and workshops for local communities;
 - offering field-courses at-cost for universities;
 - Partnering with universities on coastal research projects;
 - offering CPD courses for companies and agencies on community-based coastal surveys;
 - tendering for the archaeological evaluation/public engagement work on proposed flood/coastal defence development and infrastructure projects.

CITiZAN 2015–18 has been extremely successful and made a national and international impact in coastal and intertidal archaeology, public archaeology and climate change studies. We have established a strong national brand and ethos for public participation in coastal and intertidal archaeology and highlighted steps to ensure long-term sustainability through our proposed Discovery Programmes and Responsible Stewardship project.

We submitted an application for a new HLF-supported programme for a new project — CITiZAN Discovery Programmes and Responsible Stewardship — which would provide a basis to develop these four new directions, which will lead to longer-term sustainability of the reworked community-based programme. A first round application was submitted in March 2018 and a first-round pass was received June 2018. A focussed Development phase was undertaken July–August 2018 and a second round application was submitted end of August 2018. If we receive a positive decision in mid-December 2018, we aim to roll out our CITiZAN Discovery Programmes and Responsible Stewardship project from early 2019.

6 Impact

6.1 Award-winning work

CITiZAN has been shortlisted and has won several awards over the Delivery phase.

- winner for *Arts, Culture and Heritage* at The Charity Awards 2018
- joint winner of a British Archaeological Award in 2018 for *Best Community Engagement Archaeology Project*
- short-listed for a Current Archaeology Live award in 2016 for *Rescue Dig of the Year*.



Figure 24 CITiZAN have won national archaeology and charity sector-wide awards for Arts, Culture and Heritage and for Community Engagement Archaeology.

6.2 Evaluation results

Evaluation of our activities by our external evaluator (Gill 2016, Gill 2017, Gill 2018) shows our volunteers have gained new skills, that they are confident in the techniques they've learned and that they are overwhelmingly enjoying being a part of the project, as shown in our external evaluator's presentation at our recent volunteer conference: <https://www.youtube.com/watch?v=k6l-C4mDUKE> as well as demonstrated in our volunteers' excellent presentations: <https://tinyurl.com/yb9vxxqa>



Did they enjoy it? Volunteer response to Citizan

Figure 25 'Volunteer responses to CITiZAN' presented by our external evaluator at our 2017 conference

Our volunteer citizen scientists have responded very positively about their participation in the project and CITiZAN's high-tech means of recording the coast. All volunteer quotes unless otherwise noted are from 'Experience of App Users: How has the app added to their experience of the CITiZAN Project?', E. Gill 2017. *CITiZAN: Interim Evaluation Report, 2016*, pp 10-11:

- 'We all find it a real pleasure to be able to be part of the process in trying to reveal a lost landscape of a small local society that had been swallowed by the tides,' (CITiZAN South East volunteer, 2017 *pers. comm.*)
- 'CITiZAN have galvanised the local community into what I can only describe as an awakening,' (CITiZAN South East volunteer, 2018 *pers. comm.*)
- 'They have invaded our Island with their vibrant, bubbling enthusiasm and an incredible depth of knowledge and skills coupled with such zest for their work that we have been swept along on what has become for many a new pathway of interest, understanding and research hitherto totally alien to many of us,' (CITiZAN South East volunteer, 2018 *pers. comm.*)
- 'I would, and I do, urge anybody who gets the chance to volunteer and work with CITiZAN. I know I and the members of my group have benefited greatly from our participation and we look forward to more projects next year,' (A. Brown, CITiZAN North volunteer, 2017 <https://www.youtube.com/watch?v=NKNHEACE7FM>).
- 'For me, CITiZAN was a golden opportunity to widen my skills and archaeological experience in an informal setting. Also though, once I grasped the urgency of erosion I felt a personal responsibility to try to help to record as much as possible before it disappeared out of the mud,' (L. Northall, CITiZAN South East volunteer, 2017 <https://www.youtube.com/watch?v=uD-NPzqZ0hU>)
- 'I feel like I am contributing something of value to a project that is important'.
- 'It's the way to go and we should be using technology more in this way'.
- 'It has definitely made me feel more involved, with active involvement in the monitoring. I will carry on using the app'.
- 'Personally I have found lots of benefits from using the app. Hopefully it will make it easier to keep authoritative records because it adds directly to the historic record'.
- 'Nice to know that somebody else is getting and using the data. It's a brilliant idea'.
- 'Yes, it has been a real eye-opener as to what's out there and puts a visit into context'.

6.3 Archaeological discoveries of national importance

Cleethorpes trackway: The Cleethorpes trackway was discovered eroding out of a peat shelf in the Humber after a site visit by CITiZAN and a local volunteer very early on in the project in 2015 and captured the public's imagination featuring on the BBC and *New Scientist*. Tens of site visits were made to survey the trackway and monitor the state of erosion of the site. In 2017, CITiZAN and Historic England collected samples of the structure to carry out scientific dating; other finds previous made in the area – including a beautiful stone axe still with its wooden handle attached – have been dated to the Bronze Age.



Figure 26 Collecting scientific dating samples of the possible trackway at Cleethorpes

Rediscovering a Bronze Age shaft at Belle Tout, East Sussex: In 1976, a shaft was revealed in section of the chalk cliffs in East Sussex. The mouth of the shaft lay within the Bronze Age enclosure of Belle Tout, a site that was originally brought to the attention of the Society of Antiquaries in 1806 when a similar cliff fall revealed a Bronze Age hoard of artefacts on the foreshore below. After being exposed in the cliff face for only 5 years, in 1981 the last of the shaft disappeared in a cliff fall.

In November 2015 CITiZAN in partnership with Allen Environmental Archaeology, the South Downs Research Group and the National Trust wardens and volunteers of Birling Gap initiated a foreshore monitoring project to try and locate the base of the shaft. After many dedicated months of almost daily visits by our volunteer team, the base was relocated in February 2016 after Storm Imogen stripped the deep shingle cover from the wave cut platform to reveal an almost perfectly circular feature 90cm in diameter. A volunteer team led by Dr Mike Allen and Professor Martin Bell carefully excavated the base of the shaft and were able to take samples from tool marks and stains that were still within the chalk as well as taking casts of the tools and creating a 3D model of the shaft. Without dedicated volunteers and the CITiZAN project monitoring the coastline, features such as these would not be found. The base of the shaft has been eroded by the shingle since its collapse in 1981 and would have continued to be eroded until the wave cut platform into which it was carved disappeared (Hutchinson 2016).



Figure 27 The Bronze Age shaft complete with carved handholds, revealed in the cliff face in the 1970s (above, photos courtesy of D. Freke) and rediscovered by CITiZAN volunteers in 2016 (below)

A new Roman settlement at Dunster, Somerset: This site at Dunster, on the banks of the Severn, was first brought to our attention by South West Heritage after a large quantity of Roman pottery had been noted eroding out of a small cliff. In April 2016, CITiZAN carried out a geophysics survey with local volunteers and Historic England of the area inland from the eroding cliff line; this revealed a striking double-ditched enclosure, field boundaries and trackways. The previously unknown site has now been recorded as a Roman settlement by Somerset HER (32999). This was published by Historic England (see Pearce 2016).

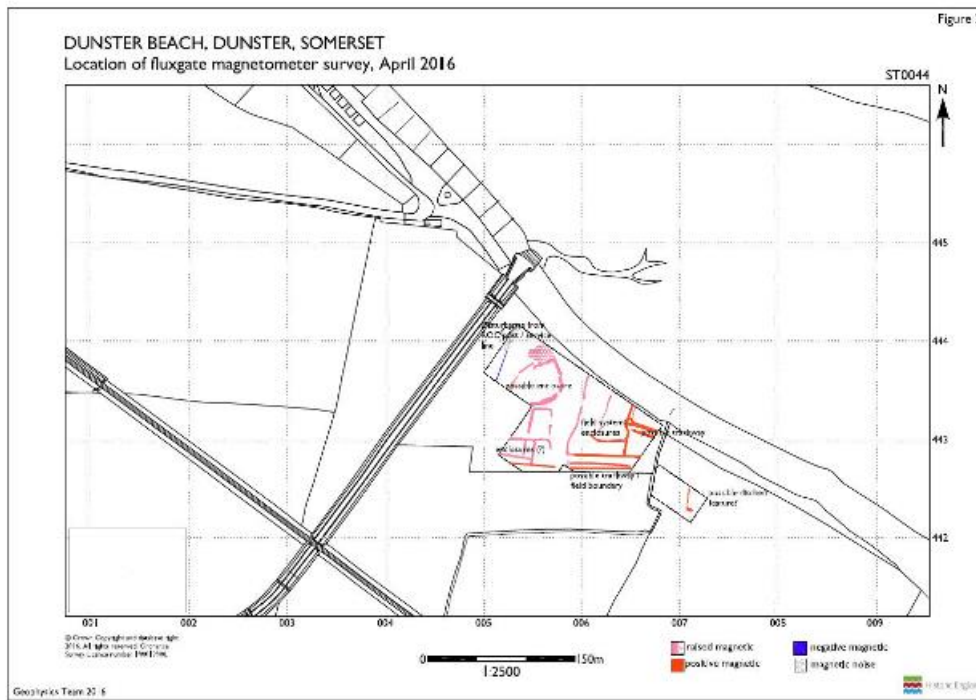


Figure 28 Geophysics revealed a previously unknown Roman settlement at Dunster, Somerset

Bronze Age trackway at Mersea Island, Essex: Oysterman D. French knows every inch of the mud flats at Coopers Beach, Mersea Island. In December 2016, he came across something he hadn't seen before, a series of large timber planks with square cut sockets at each end, 600m offshore. His friends – CITIZAN volunteers – alerted us to the discovery and we conducted several site visits in January 2017 and with the advice of experts deemed this to be a trackway of considerable significance. A team of local CITIZAN volunteers and staff, Historic England, and local archaeologists recovered the timbers, analysed them in the lab with the help of our volunteer team and had them radiocarbon dated. The worked timber trackway dates to the Bronze Age, the likes of which have not been found anywhere else in the Greater Thames Estuary area and is potentially of national importance. The population of Mersea Island have become champions of their intertidal heritage and have begun to raise funds to conserve the Mersea Timbers and return them to the island for display in the local museum.



Figure 29 The Mersea Timbers, a trackway unlike any other in the Greater Thames Estuary

Evidence of the Ice Age, Mersea Island, Essex: in March 2017, extremely low tides, high pressure and a south westerly wind combined to deliver perfect conditions that pushed the tide out farther than some of our trusty local oysterman had ever seen; CITiZAN carried out a walk over survey in order to plan new unseen features on the rarely exposed foreshore onto the app. Many new features were discovered, but none so rare as the 2m long mammoth tusk found nearly 1km offshore. Its immense age meant that it was incredibly fragile and crumbled when touched so lifting it out was simply not possible. Though the tusk itself could not be collected, a 3D model accurate to the nearest centimetre was created instead (© James Pullen, CITiZAN volunteer, published April 2017: <https://sketchfab.com/models/26beb2aed55347cb8665b71bf5ae164b>). A sample of the tusk was taken as well as from the environment around it; these were processed by colleagues at the Natural History Museum who confirmed it to be a tusk dating to the last glacial period, c. 12000 years ago. Our discovery of the mammoth tusk and other discoveries made at Mersea Island have informed Historic England's decisions on coastal management plans in the Blackwater.



Figure 30 The 3D-model of the Mersea Mammoth Tusk, created by James Pullen, CITiZAN volunteer



Figure 31 The Roman trackway at Calshot is only visible at very low tides

Roman trackway at Calshot, Hampshire: In February 2015 during an extreme low spring tide a member of the public noticed a wooden structure protruding from the beach at Calshot in Hampshire and alerted the Maritime Archaeology Trust. CITiZAN volunteers and staff visited the site in 2017 to photograph the trackway and create a detailed measured site plan, followed up with a series of regular monitoring visits. Radiocarbon results have dated the trackway to the Roman period

(86-242 cal AD). There is little other evidence from the Roman period along this coast and not much is known about what the contemporary coastline would have looked like, so this discovery adds significantly to the picture of the Roman history of the Solent at a time when the shoreline was several hundred metres further out than it is today (Tidbury 2018).

David Hopkins, Hampshire County Archaeologist has endorsed the finding and CITiZAN's work in the area: 'Work that we commissioned some years ago showed that the New Forest coast has undergone 'coastal squeeze' reflected by the extensive loss of salt marsh. With the loss of the salt marsh we have lost its attendant archaeological record relating to how the salt marsh was used over time. It is likely that much that was lost was organic remains, such as this timber trackway, which do not survive on dry land sites. In view of this, such small glimpses as are afforded into this landscape zone are very welcome and potentially very important. I am very grateful that the CITiZAN project has recorded this site as exposed so far and would offer my endorsement for an application to seek to secure further work. The scale, construction, strength and orientation of the trackway (along with attendant artefacts) may shed some light onto what it was used for and in doing so shed light on how this landscape zone was used, for example if it acted as a jetty, a coastal stabilisation, and access route, perhaps to meadow, perhaps to fish traps or salt workings. This small and vital glimpse has the potential to be developed to shed more light on the extent and use of the New Forest coast salt marsh in the Roman period and as such would be a study that I would endorse' (D. Hopkins, *pers. comm.* 06/03/2018)

6.4 International impact and influence on other projects

CITiZAN has had an impact on other coastal archaeology, public archaeology and climate change heritage studies around the world. We are cited as an exemplar case study in several key international publications including the US National Parks Service *Cultural Resources Climate Change Strategy* (National Parks Service 2016) and articles in *American Antiquity* (Hambrecht and Rockman 2017). We are in contact with intertidal and coastal archaeology archaeologists who are interested in forming projects in Bilbao, Catalunya, and the Bay of Bengal and hosted Jose Manuel Mates Luque, Basque maritime archaeologist, in the summer of 2107. We are also in contact with archaeologists running intertidal or coastal archaeology projects in Alaska, California, Florida, Massachusetts and North Carolina.

CITiZAN are collaborating with SCAPE in Scotland and CHERISH in Wales and Ireland, ensuring there is a standardised approach to managing coastal and intertidal heritage across Britain. We have attended several start-up and guidance meetings hosted by CHERISH and attended their project launch in 2016. CITiZAN were also invited to speak at their upcoming symposium highlighting our innovative work with local communities.

CITiZAN have participated in several international round tables on Climate Change and Heritage in Europe and North America and have chaired several sessions on heritage and climate change at international conferences (see below). We are actively working with SCAPE and CHERISH to create a national approach to studying heritage affected by climate change. We have also participated in panels and discussions on archaeological training methods at EAA Maastricht 2017 and maritime archaeology at MOROL, Lampeter 2015.

CITiZAN have been invited to be stakeholders in several of Historic England's new coastal change initiatives including their project for mapping coastal heritage at risk and their collaborative PhD on managing archaeological loss in the face of coastal change, and often collaborate with them during rapid recording initiatives after archaeology is revealed by winter storms. CITiZAN are also collaborating with other interdisciplinary projects including Heritage Futures, an AHRC funded research programme exploring heritage practices with the aim of developing an international and cross-sectoral framework.

7 HLF Outcomes

7.1 What difference has your project made for heritage?

- 'It's nice to know that somebody else is getting and using the data. It's a brilliant idea': CITiZAN app user
- 'Have thoroughly enjoyed training days with CITiZAN. It has been a pleasure to be involved in such an important project, learning applicable skills to use on own archaeological sites': CITiZAN volunteer
- 'Thank you for such an enjoyable and educational couple of days. It was really inspiring, and reinforced a long held wish to get more involved with local archaeology. I will be getting in touch with my local society ': CITiZAN volunteer

7.1.1 Heritage may be better managed

The CITiZAN Coastal Interactive website and smartphone app has created a resource to help the public understand the archaeology present on the coast and acts as a rapid recording tool to help members of the public monitor change over time. This data is deposited with the ADS, local repositories, and other heritage data managers.

Our national, regional and local stakeholder development and the creation of our archaeological network will ensure archaeology that is revealed in the dynamic coastal environment is recorded quickly and in a standardised format. Our network provides support to volunteers to record and monitor their local heritage.



Figure 32 One of the now-scheduled First World War pillboxes at Bridlington

During the course of the project several First World War pillboxes on the coastline at Bridlington, studied by CITiZAN North, have been protected by Historic England as Scheduled Ancient Monuments. This designated protection means that the features will be better managed in the

future. While CITiZAN's work on these features did not directly lead to the monuments being scheduled, the project's work highlighted their importance and demonstrated that they might be at risk of potential damage.

CITiZAN South West have worked on numerous projects in collaboration with the National Trust. At Hatherwood Battery, Isle of Wight, local volunteers were trained in the use of a number of archaeological techniques to record the site which is at risk due to severe cliff erosion. Between 2015 and 2017 numerous surveys were conducted which resulted in a complete site plan. This plan will be used as a baseline for future surveys and site condition assessments which forms part of the National Trust's overall management strategy for the site.



Figure 33 View of Hatherwood Battery showing severe erosion of the site.



Figure 34 Volunteers recording an eroding section at Hatherwood Battery, Isle of Wight.

Extensive work with volunteers and members of the National Trust has also been conducted on Brownsea Island, Poole Harbour. The Island is host to a rich archaeological record which is comprised of a great variety of types of features, several of which are associated with industrial processes of the 18th and 19th centuries. Many of the features were either previously unknown or poorly understood and are now deteriorating rapidly due to coastal erosion. Between 2015 and 2018 periodic surveys have produced detailed records (drawings and 3D models) of numerous features which have been used to better understand the archaeological record and also to evaluate the extent of deterioration of these features through coastal erosion processes. The information generated from the CITiZAN surveys will be used by the National Trust along and volunteers to continue to manage and monitor the archaeology of the island.



Figure 35 One of several shafts associated with the clay industry on Brownsea Island.

7.1.2 Heritage will be better interpreted and explained

Our website contains resources explaining typical archaeology found on the coast to help volunteers better identify it. Our blogs and our annual conference provide an outlet for staff, volunteers and stakeholders to interpret their findings and to share their research with a wide audience.

At two sites CITiZAN North have worked on, Cleethorpes on the Lincolnshire coast and Drigg on the Cumbrian coast, the results of the team's surveys have been incorporated into public information boards to help visitors better understand the foreshore archaeology of the area. In Cleethorpes the production of the boards is being driven by the local County Council, who are keen to promote the prehistoric archaeology, which includes submerged forests, preserved animal track and timber structures, which can be found along the edge of the Humber Estuary. In the case of Drigg the creation of an information panel is being driven by a local CITiZAN supporter, who originally notified CITiZAN North to the presence of a potentially interesting wreck on the beach. This vessel is still being researched by CITiZAN and Historic England, however the volunteer is in the process of preparing and mounting a stainless steel information board to inform the regional beach users as to the importance of the vessels discovered and too provide a description of the remains. In both cases CITiZAN has provided the information panel creators with text, photographs and drawings to help better interpret and explain the local heritage resource.

On Mersea Island, Essex CITiZAN South East has captured the imagination of island residents and rekindled their appreciation local heritage. It has raised awareness of the fragility of intertidal heritage assets throughout the local community involving local fishing industries, museums, schools and the general public, resulting in increased reporting of new discoveries. CITiZAN has provided a vital channel of communication that is focussed and relevant to coastal communities. In short it has improved understanding of, access too and community ownership of heritage on Mersea Island.

CITiZAN South West undertook a project report for the Chichester Harbour AONB, supported by their sustainability fund, to look into the industrial heritage of the harbour. One of the key outcomes of the project was to create a heritage trail leaflet (fig 3). The trail will facilitate engagement with a wider and more diverse audience, allowing the archaeology and heritage of the area to become more understandable and accessible.



Figure 36 Part of the Chichester Harbour Heritage Trail leaflet

7.1.3 Heritage will be identified / recorded

Our interactive website contains a variety of resources, guides, and links to additional information to help our volunteers understand the coastal and intertidal zone. Through our outreach programmes and our use of the media, like *Britain at Low Tide*, we are raising awareness of coastal archaeology and reaching new audiences. Our website and smartphone app allow members of the public to report new archaeology that they spot along the coast, to record it in a standardised format, and to provide condition survey information on how it has changed over time.

In several instances around the coast of the North of England heritage assets that have been recorded by CITiZAN do not fully appear in the archaeological record prior to our work. An excellent example of this phenomenon can be seen on the foreshore at Howick, Northumberland, here the regional Historic Environment Record contains entries for a rock-cut pool, a post medieval bathing house and an outbuilding. Historic England's List contains entries for the bathing house and outbuilding along with the walls surrounding both and the steps leading down to the rock-cut pool. On visiting this site to assess its suitability for recording CITiZAN North identified a series of features on the foreshore associated with those already on the Historic Environment Record or List; but which were not recorded. These features included a further rock-cut pool, a rock-cut bench and a series of hooks and postholes which formed the foundations for a tent or canopy. As a result CITiZAN conducted several recording events on the foreshore at Howick and enhanced the archaeological record of the area. The results of these surveys have been incorporated into a series of public lectures, blog posts and grey literature; leaving the heritage of the Howick foreshore better recorded.



Figure 37 CITiZAN staff and volunteers surveying one of the previously un-recorded rock-cut pools



Figure 38 A blog on the CITiZAN website describing the archaeology of the Howick foreshore

The facility for coastal communities to record and monitor their own heritage evokes a sense of ownership. The CITiZAN South West team has encouraged existing local archaeology groups to use

the CITiZAN system rather than using their own recording methodology so that a level of standardisation can be achieved. It will also result in an increase in the information captured and thus further our understanding of the archaeological potential of our coastline. This has been particularly successful in Selsey Bill, West Sussex and on the Isles of Scilly.



Figure 39 Stalwart volunteers of CDAS recording the remains of a newly exposed wooden structure on Medmerry Beach, West Sussex



Figure 40 Recording the remains of a Post Medieval slipway at Pendrathen, Isles of Scilly. September 2017

CITiZAN South West has been working to develop strong links with the Chichester & District Archaeological Society (CDAS). As a group they have a nominated data guardian who is responsible for adding all new features and updating existing features which are identified during monitoring visits. They have been particularly active in Medmerry, where the dynamic coastal environment has been subject to meters of tidal scour after the implementation of a managed realignment scheme. CITiZAN have also provided with group with training on how to undertake an archaeological offset

survey and 3D modelling. To date the group have identified and recorded numerous new features and continue to do so on a regular basis.

CITiZAN first created links with the Isles of Scilly Community Archaeology Group in 2015. The aim was to provide a platform for site recording and monitoring which would be publically accessible. We have since carried out training sessions in September 2017 to build on the relationship and provide training to the newer members of the group on how to identify archaeological features and how to record those features using offset survey and 3D modelling techniques.

7.2 What difference has your project made for people?

- 'I feel like I am contributing something of value to a project that is important': CITiZAN app user
- 'I am very enthusiastic about CITiZAN: it ticks all the boxes: archaeology, active and fun': CITiZAN app user
- 'CITiZAN was a golden opportunity to widen my skills and archaeological experience in an informal setting. Also though, once I grasped the urgency of erosion I felt a personal responsibility to try to help to record as much as possible before it disappeared out of the mud': CITiZAN volunteer
- 'You've made a real difference to our lives, beyond archaeology. We wouldn't have this social group if you hadn't brought us together': CITiZAN volunteer
- 'If you are thinking of volunteering, jump in! The rewards far outweigh the work you put in and who knows where it might lead. Me? I'm off to start a BA in Archaeology in October': CITiZAN volunteer
- 'I am just writing to tell you I got the archaeological assistant job. Thank you very much for your course, it gave me the idea in the first place': CITiZAN volunteer

7.2.1 People have developed skills

In 2015–18, CITiZAN have carried out 120 training events across the country with 1337 people attending. We have 583 unique trained CITiZANs, many of these having returned for multiple fieldwork sessions. Each volunteer who attends a training session receives a copy of our BAJR skills passport where they can keep track of skills they have learned or developed.



Figure 41 Placement student discussing an in situ pillbox as part of a guided walk at Bridlington

In 2016-2017 CITIZAN North took on two placement students, who were studying for Masters Degrees at York University in Cultural Heritage Management. Prior to their placement with CITIZAN neither of the students had been involved with community archaeology or intertidal archaeology. However, by the end on one of these placements the student was able to lead part of a guided walk at Bridlington which was given as professional development to the staff of the Council for British Archaeology. The student gained valuable skills from taking part in the guided walk including learning public presentation skills, and volunteer management skills. As well as enhancing their research skills by undertaken background research on the areas archaeology and history. By undertaking this challenge the student was able to boost his confidence and develop a series of important skills in heritage interpretation and presentation.

One of CITIZAN North's most frequent volunteers is a retired miner from Yorkshire, prior to engaging with the project his use of digital technology was very limited, whilst he own a smart phone he only used it for making telephone calls. Since volunteering for CITIZAN the volunteer has steadily increased his engagement with and use of digital technology and now not only regularly provides updates to the heritage record through the projects app, he also uses a range of social media platforms and messaging services. Through his engagement with the project the volunteer has gained confidence and abilities to use digital technology which he would not have previously interacted with.



Figure 42 Extract of WhatsApp conversation between volunteer and CAT

In 2017 the CAT for the South East team delivered a training event at Coalhouse Fort Park, Essex. One of the attendees, a 2016 archaeology graduate, was currently unemployed and had been underemployed since he graduated. Though he was a volunteer at the Fort he lacked confidence in his ability to carry out practical archaeological recording and was unsure how or even whether he would be able to develop in career in his chosen subject.

The first part of the training event was a map regression exercise – looking at successive historic maps to understand the history of a site. Although he had not done this before he spotted a small but significant detail that had gone unnoticed by everyone else, one that he, as a volunteer there, realised was a completely new piece of information about the fort's construction.

For the rest of the weekend, foreshore fieldwork gave him the opportunity to learn about a range of archaeology including early 18th century building remains and 19th and 20th century military defences. Working in a pair he created an elevation drawing of brickwork and made ground embedded in the salt marsh, took photographs of the feature and completed pro forma sheets for the different contexts.



Figure 43 Working as part of team to record the foreshore at Coalhouse Fort Park the volunteer referred to above measures the depth of brickwork in the saltmarsh

The opportunity to learn new skills, to be able to practise them with others in a relaxed and friendly atmosphere and to contribute to an overall site record gave him the confidence to apply for a job as a site assistant. Writing to the SE team CAT for a reference, he thanked us for the training event and said it was that that had given him the idea to apply. He later emailed to say he had got the job, and then a few months later saying his contract had been extended and thanking us again.



Figure 44 Working as a team to create a measured survey for Coastguard watch house site at Orford Ness: the volunteer referred to above is kneeling, drawing, in the centre.

In July 2016 CITIZAN held their first training event at Orford Ness during which volunteers carried out a measured survey of the site by offset planning as well as building recording, and rapid recording with the CITIZAN app. One of the volunteers at this event has been to every training event at Orford Ness since further developing the above skills and adding new ones including photography for 3D

modelling and map regression and writing a blog. She also attended the training event at Coalhouse Fort Park, where she added elevation/section drawing and recognising and recording contexts to growing portfolio of archaeological skills. She attended CITiZAN's March 2018 Pett Level submerged forest training weekend where, along with all volunteers, spent one day learning how to take samples of timber for species analysis and the next preparing the samples for analysis and identifying them. Because of the experience she has gathered with CITiZAN she has also now helped CITiZAN with preliminary site surveys, thus developing skills in scoping sites to assess their suitability for future training events. She has also learned how to moderate data for the CITiZAN interactive map and is now able to carry this out on her own. She has also assisted with various admin tasks – not the most glamorous end of archaeology but a very necessary skill nonetheless and one which has given her a good insight into, and basic skills in, the management of archaeological projects.

All the above gave her the knowledge, skills and confidence to apply to university. In her own words, from a blog she wrote for CITiZAN after the last Orford Ness weekend: *"If you are thinking of volunteering, jump in! The rewards far outweigh the work you put in and who knows where it might lead. Me? I'm off to start a BA in Archaeology in October."*

CITiZAN South East have worked with a wide variety of local communities and groups to ensure that access to new skills and opportunities has been possible to largest audience. In 2016/17 lectures were delivered at SSEVIC 6th Form College in Essex to the newly formed Archaeology A Level class. The lectures covered the types of skills required for coastal archaeologists, digital recording techniques to use in the intertidal zone and opportunities to join CITiZAN recording on the foreshore. The class comprised 12 budding archaeologists who aimed to begin careers in the discipline. CITiZAN's involvement offered them a free opportunity to actively participate in archaeological fieldwork in their area and to develop skills that would benefit them in future study and job applications.

The use of GIS technology to map and explore intertidal sites within Essex has also provided opportunities for skills development across a broad demographic. Two volunteers from Mersea Island were invited to an ARC GIS software training session also attended by the whole CITiZAN team and hosted by UCL, to learn a suite of skills required to analyse GIS Data gathered during CITiZAN surveys and for future data they might gather on the foreshore. One volunteer is actively looking to begin a career in archaeology and the course has provided him with the confidence to approach a more daunting technological aspect of the discipline.

Beyond GIS other volunteers on Mersea Island have been able to apply skillsets they already had to a new field which allowed them to develop themselves further. Aerial survey work usually carried out for terrestrial sites has been applied to the foreshore, along with the challenges involved in working in such an environment. New techniques have been learned or developed by our drone pilots to suit the intertidal zone and they are now tendering for archaeological survey work along with their usual roles.

Oyster pickers of Mersea Island have also played a critical role in the project and have made one of the most significant finds on the island, the Bronze Age trackway at Coopers Beach. As a direct result of this find they were brought to CITiZAN HQ for the opportunity to learn more about the timbers, how to clean and record them and, crucially, how to try to identify any future finds on the foreshore (see images).

More widely, several 3D modelling training sessions have taken place in the region to satisfy a growing interest in the technology and methodology used to create virtual records of finds and sites on the coast. In conjunction with the Thames Discovery Programme workshops have been held in London attracting audiences of 20+ to learn the process and software systems used.



Figure 45 Mersea island volunteers attend a timber recording training session at MOLA offices in London

The feedback from our training sessions have been overwhelmingly positive with common themes emerging such as 'loved learning new skills', 'practical experience on the foreshore', 'seeing local enthusiasm'.

CITiZAN South West have encouraged many of their volunteers to develop their knowledge and skills both in the locality in which they are interested and in archaeological survey techniques.

One of our volunteers from Gosport first got involved with the CITiZAN project in 2015 when he attended a CITiZAN training course on a minesweeper on the foreshore at Gosport. He has since developed an interest in aerial imagery using a drone and has purchased his own drone and has undertaken numerous surveys. To date he has captured a large body of data which he feeds back to the CITiZAN team who can then process the data make 3D models. His enthusiasm and skill continue to develop and he presented some of his work at the CITiZAN conference in 2017.



Figure 46 Photo of the CITiZAN and TDP working on the Gosport minesweeper, May 2017 ©Stuart Fitt

Another regular volunteer from the New Forest area first came to one of our training sessions at Lepe, Hampshire in 2015. He has developed a keen interest in the wartime heritage of the area and in 3D modelling and processing. He remains an active member of the CITiZAN and frequently adds new features to the database and assists on site visits and surveys. His 3D models of the slipways at Lepe can be seen here: <https://sketchfab.com/models/b971f0b34f1e4e2eb4942857f835eba5>



Figure 47 Volunteer-created 3D model of slipways at Lepe © f1xer

7.2.2 People have learnt about heritage

Our external evaluation has showed that overwhelmingly people responded positively on our evaluation forms about our events. 90% of outreach event attendees who filled in evaluation forms felt that they had learnt something about archaeology.

Throughout the CITiZAN project there have been many outreach opportunities for members of the public to learn about heritage. One way CITiZAN achieve this outcome is through guided walks, sometimes these are run alongside an app workshop to help develop people digital skills whilst learn about a site. Guided walks given by CITiZAN North have visited a diverse series of locations including: Bridlington (East Yorkshire), Heysham (Lancashire), South Landing (East Yorkshire), Howick

(Northumberland), Cleethorpes (Lincolnshire) and Formby (Merseyside). Guided Walks with accompanying app workshops have been run at places including Roa Island (Cumbria), Bardsea (Cumbria), Withernsea (East Yorkshire), and North Shields (Tyneside). During these guided walks the learning process has often been a two-way dialogue with CITiZAN staff frequently learning fascinating facts about local heritage themselves from well informed and highly engaged volunteers.



Figure 48 CAO leading a guided walk around Roa Island as part of the Festival of British Archaeology



Figure 49 Volunteer attending the Roa Island guided walk adding a new feature (wrecked vessel) to the app

People enjoy engaging with their local heritage and learning more about it; and feedback regularly reflects this. Through blogs (such as “Rapid Recording at Roa (Barrow)”) and recently updated sites on the app and website, volunteers who could not attend can access the information provided to participants on the walk.

Topics which the walks have focused on include the First and Second World Wars, shipwrecks and maritime rescue, recreation including seaside piers and sea bathing pools, submerged prehistoric landscapes and industries such as salt-working and fishing.

These guided walks have on occasion inspired volunteers with CITiZAN North to give their own guided walks and lectures to other members of the public. For example one volunteer, who attended events in Bridlington and Withernsea, went on to provide her own guided walks around Bridlington Old Town for CITiZAN volunteers and staff followed by a local youth group, which concentrated on the fishing heritage of the town.

As well as designing and delivering site specific training events CITiZAN south East has delivered a range of other opportunities for people to learn about heritage. Guided walks have been very popular, often combined with either a full app workshop or at least some familiarisation with the app. Two circular walks around Walberswick, Norfolk, the first put on at the specific request of a local archaeology society and the second open to all, combined an overview of the archaeology of the area with a look at how coastal change has affected that particularly dynamic section of coastline. Members of a local society who came on the second walk were then inspired to put on their own walk later in the year looking specifically at Second World War history and defences, again open to the public, and led by a leading expert on military history from the University of East Anglia. CITiZAN’s South East team were invited along to give extra input on coastal erosion in the area, through this we learnt more about the military history of the area and made a valuable contact in the military historian.



Figure 50 South East CAT reads a 19th century description of the extreme silting up of the River Blyth, pictured in the background

CITiZAN South East have also collaborated with other agencies/projects to reach wider audiences. As Part of the National Trust family camping weekend Castaway on Northey Island, Essex, CITiZAN accompanied the ranger and a coastal geomorphologist on a guided walk around the island discuss nature, coastal change and archaeology along the way. As part of this event too, CITiZAN ran an app based archaeology hunt every two hours where teams used CITiZAN tablets preloaded with five sites on the app and had to hunt down the feature using the inbuilt GPS, take a photo and add it to the feature form, then race back to claim aim a prize (a CITiZAN mug). All competitors got a CITiZAN pen and scale card for taking part. This proved hugely popular, especially with intergenerational groups with ‘digital native’ children excited to be using the app and to be showing adults how it worked and the adults interested in learning about the archaeology of the islands. While it didn’t teach people

how to use all the features of the app it did alert people to its existence with many of the adults saying they'd use top play similar educational games with their children next time they visited the coast.



Figure 51 Clues for both older and younger participants: laid for one the harder to spot and more unlikely features on the app archaeology hunt – a swimming pool now almost entirely consumed by a thicket

On Mersea Island a popular lectures series was run between 2017 and 2018 with five talks on the island that introduced locals to the new discoveries on the foreshore. The series was an opportunity to try and contextualise the discoveries that were being made and to bring the hundreds of muddy timbers to life, recreating the past environment of their island. In total the lecture series has attracted over 400 people and has brought top experts to the island from UCL and the Natural History Museum, as well as providing a platform for local experts in other fields to talk about coastal morphology and how it has played a part in the discoveries that are now being made. A lecture about the Woolly Mammoth attracted 8 primary school children who were fascinated by the discovery of the mammoth tusk on Mersea, it also led to the donation of a complete Bison skeleton by a local resident for the education purpose of residents and schoolchildren. The talks were an opportunity to unite local facilities and were held in the local Museum, school and community centre, in turn providing the venues with a chance to engage with residents that may not normally visit them.

Knowledge gained via CITiZAN events has been spread to the local community creating new talking points in local pubs and cafes. Indeed, during each recording session passers-by would be eager to talk with volunteers and staff about what was going on and what might have been discovered. A regular feature in the local paper by CITiZAN staff about the island archaeology led to a tranche of emails offering access to personal photo archives and finds made over the half century by residents who were now keen to try and add to the story and were thrilled that a project at last existed that focussed on the mysteries that they grew up with.

The CITiZAN South West team have developed a number of successful guided walks which have been repeated to different audiences over the life of the project. The locations for the guided walks have been Studland (as featured on Britain at Low Tide II), Forton Lake, Porlock Weir, Brean Down, Berry Head and Chichester Harbour. Many of the guided walks have been led by the CITiZAN team but those at Porlock Weir, Berry Head and Brean Down have been in collaboration with specialists of the area who can provide more information about the archaeology and history of the local area. The walks have been hugely successful in widening the reach of the CITiZAN programme, engaging with people who are interested in their local heritage but may not have had much experience.



Figure 52 Local expert giving a talk about the changing environments at Porlock Weir, Somerset.

The CITiZAN South West team also lead numerous Guided Dog Walks, as a way of engaging with dog owners who may walk a similar route many times in any given week. These have proved to be hugely successful and have received positive feedback for providing an opportunity for those with dogs to participate in an event, something which is often a challenge due to various restrictions.



Figure 53 Guided dog walk at Studland, Dorset, 2016.

For two years running the CITiZAN SW team have had a presence at the two day Marine Wonders event at Lepe, Hampshire. While much of the event is concerned with the natural environment, CITiZAN have been able to highlight the cultural heritage of the intertidal zone to visitors who may not otherwise engage with the heritage aspects of the area.

7.2.3 People have changed their attitudes and/or behaviour

Many of our volunteers have mentioned that they now better understand climate change and coastal erosion, thanks to the project. 74% of outreach event attendees who completed evaluation forms said they had learned something about erosion/coastal change. As shown by our regular super-volunteers, such as those at Mersea Island, they have taken their skills they learned in training and have begun to carry out their own research into coastal change and erosion in the area.

Some CITiZAN volunteers have been inspired to write blogs for the website and are actively encouraged to outreach to the public in this respect. Most of these blogs explain an aspect of coastal and intertidal archaeology they have an interest in or an experience they have had as part of the project. This has allowed several volunteers based in the North of England to have an outlet to develop their writing and photography skills by submitting blogs to be uploaded on the website.

In all across the North of England six volunteer have submitted a total of 10 blogs to CITiZAN; three volunteer have submitted more than one. These range in topic from visiting a local feature such as the prehistoric peat beds at Blyth or discussing specific CITiZAN training events like those that took place at Hest Bank in Morecambe Bay and at Earle's Shipyard in Hull, through to pursuing a personal interest such as the origins of prehistoric boats; which allows a large range of coastal and intertidal topics to be explored by volunteers.

The website statistics (as of July 2017) show that two blogs out for the top ten most frequently read were written by CITiZAN North volunteers.



Figure 54 A fabulous new friendship group: Birling Gap volunteers on a one of their regular survey walks across the South Downs

CITiZAN South East first began work in East Sussex at Birling Gap recording the remains of wrecked vessels below the fragile cliffs. Over the course of four events between 2015/2017 a regular team of 11 volunteers was firmly established, all eager to support the project but also to socialise with others with similar interests. They consisted of regular National Trust volunteers. The group began to meet regularly outside of CITiZAN events to update sites using the CITiZAN app (they've updated over 50 collectively!), but during these meets friendships began to form. Various groups now meet at least

weekly to attend a host of other social events from exercise classes to walks on the South Downs, but most importantly to other archaeological clubs, talks and events. Many have joined the local Eastbourne Archaeology Society to provide further focus for their work on the foreshore. They have set up a monthly supper club and invite speakers to attend and discuss their work in the region. In short a new social network has grown from the CITiZAN experience that has extended into the community and brought new friendships into people's lives. One volunteer who wished to remain anonymous spoke with the South East team at a recent CITiZAN lecture;

"we just wanted to let you know that, even if you can't come back here to work with us and the CITiZAN project doesn't continue, you've brought more into the lives of the people in our group than you know"

A guided walk at Forton Lake, Gosport has been undertaken by the CITiZAN team for the Heritage Open Days since September 2015 (fig 9). Gosport has a rich maritime history due to its connections to Portsmouth. Over the years this tidal inlet has become a dumping ground for unwanted vessels. The diverse assemblage consists of over 20 vessels including a WWII landing craft, an old Medina chain ferry and a former Gosport (to Portsmouth) ferry. Locally, there is relatively little awareness of the importance and diversity of this assemblage but through the CITiZAN guided walks local knowledge and understanding has been enhanced. In a number of cases, individuals who participated in the guided walks have been inspired to undertake their own research into the history of some of the vessels.

Since the screening of Britain at Low Tide the SW team frequently receive emails from members of the public whose enjoyment of the show has inspired them to take note of archaeological features which they may previously not have considered. On a number of occasions those individuals have suggested that the CITiZAN team come to visit their local area to investigate the features further.



Figure 55 Guided walk at Forton Lake, Gosport. September 2015

7.2.4 People have had an enjoyable experience

Our external evaluation report best demonstrates that CITiZAN participants have had an extremely positive experience. 98% of outreach event participants who filled out an evaluation form said they enjoyed their experience and felt that they had got something from it.

The response CITIZAN North has received on social media platforms including Twitter and Facebook after events are positive indicators that members of the public who attended have enjoyed their experience with CITIZAN. Such responses include the following Twitter comment which was tweeted after a training workshop run at the Tyne and Wear Heritage Forum in 2017 by CITIZAN North staff. (@starvinhippo is a personal twitter handle of a member of staff.)



Figure 56 Screen capture of a tweet in response to an outreach workshop in the North East

The following is a comment attached to a Facebook post written by the Museum of London Archaeology discussing the practice of community archaeology; it follows a training event run by CITIZAN North in Sutton-on-Sea, Lincolnshire.



Figure 57 Screen capture of a Facebook comment in response to a training event in Lincolnshire

As well as positive comments on social media during and after events, positivity shines through blogs that volunteers have written, the anonymous post-event feedback forms and the personal emails we receive. These are a great indicator of how much people have enjoyed themselves and why, so their own words follow.

The final sentence of a blog written by a volunteer after the South East team's training weekend in Cromer in 2017: "I learned a lot on this weekend, and feel proud that I have contributed to an actual archaeological survey. I am definitely thinking of building on this new-found interest."

Feedback from a workshop, organised by CITIZAN, and delivered with Home Front Legacy and East Coast War Channel: "*I very much enjoyed the workshop. I also appreciate the thoughtful & collaborative efforts of all three of you to make it such a well-balanced day. I am incredibly impressed by the depth & breadth of knowledge you all brought to us and your enthusiasm for sharing with us.*"

Feedback from the 2018 Pett Level training event: "*Have thoroughly enjoyed interactions/training days with CITIZAN. All the organisers/archaeologists have been very friendly and inclusive. Lara Band [South East CAT] has been exceptionally helpful and supportive and has used her contacts/fellow CITIZAN archaeologists to find out information, forwarding research articles when requested. Dr Scott Timpany [University of the Highlands and Islands; his 2014 Historic England funded community archaeology project was a case study for the development phase of CITIZAN] has been most enjoyable and informative. It has been a pleasure to be involved in such an important project, looking at the submerged forest at Pett Level.*"

A personal email following the 2017 training weekend on Orford Ness: "Thank-you for arranging such an enjoyable W/End, and I hope you had a good journey back to London. An excellent break, and apart from enjoying strolls around the Ness, food, and general chit chat, very useful in actually using the app on the i-pad, both updating current records as well as putting new records on, I think I can now use it successfully"

Within Essex a number of positive comments have been made to the team;

"An excellent evening updating me on what is happening locally. Sparked my interest and desire to know more and possibly get involved"

"Really interested in factual information about Mersea, rather than local "myths and legends"

"An excellent evening updating me on what is happening locally. Sparked my interest and desire to know more and possibly get involved"

Training participants frequently refer to how much they have enjoyed their time with CITiZAN. Common themes include the enjoyment of learning new skills, engaging with like-minded people and gaining a sense of achievement.

For example one participant from Brean Down, Somerset stated –

"feeling of engagement/involvement with preserving archaeology and history and recording".

A participant from Gosport stated –

"the team made the experience very enjoyable, also a great sense of achievement"

The team have also received emails from participants of training events who write to express their thanks and to say how much they enjoyed an event. The example below is from one of the participants from a training session on the Isles of Scilly in September 2017.

"Hello. Thank you all for making the training session so enjoyable and rewarding. Look forward to seeing your records in the new year. Do come again sometime soon. Many thanks to you all, Best wishes for your future"

7.2.5 People have volunteered time

Volunteering and public participation is essential to the success of the project. From 2015–18 CITiZAN had £193,263 worth of volunteer in-kind contributions; see a full list of volunteer contributions over the life of the project in section 14.1.

Every time a new feature is added to the website or via the app, a participant has volunteered time to our project. However, some volunteers have committed more of their time to research or help run our events. One example of this is a regular volunteer, in the Yorkshire/Lincolnshire region, who has attended in excess of 10 training and outreach events. This volunteer has spent a lot of time at Cleethorpes, and is now able to be handed slightly more responsibility in some guided walks to assist CITiZAN staff; from acting as a guide for members of the public and helping stranded volunteers navigate a safe path through the intertidal zone to undertaking further research on a specific site. The volunteer is also competent enough to assist CITiZAN staff in reconnaissance visits such as at Cleethorpes and North Ferriby.



Figure 58 CAO and volunteer assessing erosion at North Ferriby

A further example is two volunteers who have attended events on the Humber and on the East Yorkshire coast. These volunteers are also members of the East Riding Archaeological Society and were invited to speak at a local art society in East Yorkshire on their involvement with CITIZAN. This was done on a voluntary basis and they were able to outreach to a group, not normally involved in heritage, on the behalf of CITIZAN in order to promote the work being done with at risk archaeology on the coast.

A mother and son pair of volunteers on the coast of Lincolnshire, an area sometimes underrepresented in archaeological research, have given a huge amount of their spare time to the rapid recording of archaeological material washed ashore as an expansion of their community beach clean group. This has resulted not only in CITIZAN being able to record some rare examples of ships timbers and observe coastal erosion in areas of prehistoric significance, but also in a Heritage Angel commendation for the teenage son.

Working on Mersea Island has allowed a host of local folks from all walks of life to experience a new activity and apply their existing skills to it. A great many and varied careers and retired professionals have volunteered their time to support the project, from using the CITIZAN smartphone to add or update the many features on the Blackwater Estuary (over 200) to working on site to record remains at West Mersea or participate in a walkover survey of one of the 5 other sites on the island.

Drone pilot Jim Pullen has put his skills to incredible use for the project flying over 7 surveys around the estuary totalling around 5 hours flying and 15 hours post processing and travel time that has proved invaluable. In addition, his survey skills have ensured that the location of all of the most important archaeological discoveries on Mersea have been recorded using survey grade GPS equipment, joining the team on 8 survey sessions and volunteering well over 24 hours of time, each session again requiring post processing that has totalled about 5 hours. Jim has been a truly remarkable volunteer who has taken a huge amount from the project, indeed it was Jim who contacted CITIZAN initially to see if the project could help him to understand the myriad finds that he has been privy to growing up on the island over the last 50 years. It is because of his commitment that the South East team have been able to bring the discoveries to the island with aerial photography, film, 3D Modelling and a host of vital data. His contribution to Mersea's understanding has been huge and it has pushed Jim to begin his own research into the foreshore of his island.



Figure 59 Mersea's volunteers and local champions: From left to right James Pullen, Jane and Mark Dixon. Here the Dixon's boat has been used to float the Bronze Age Timbers back to shore following lifting. James' GPS and Drone equipment were also used the same day to record the site

He is but one example in a field of fantastic and dedicated volunteers on the island who have regularly offered homes, boats and businesses to support the cause, as well as countless hours 'ebbing' on the mudflats to update our understanding of the archaeological landscape revealing itself on a daily basis. Their network of contacts and understanding of Mersea life has certainly propelled the project into the talking point it has become today, so much so that local councillors now update on the project progress and residents raised over £6000 to house the Mersea Timbers in the museum once conservation is complete.

7.3 What difference has your project make for communities?

- 'The local press, Museum, schoolchildren and various local interest groups, not to mention weather-beaten, often gruff, hardy local fishermen who would normally not give ye a second glance have all been captivated by the excitement generated by the CITIZAN Team': CITIZAN volunteer
- 'You've made a real difference to our lives, beyond archaeology. We wouldn't have this social group if you hadn't brought us together': CITIZAN volunteer

7.3.1 Environmental impacts will be reduced

Although this project cannot directly reduce the environmental impacts the project addresses, namely rising sea levels and climate change; it does work to try and highlight these to local and national communities. One of the best examples of doing this is through visiting submerged prehistoric landscapes with volunteers to educate them about rising sea levels at locations like Cleethorpes and Hightown. During illustrated talks the team also use imagery of coastal erosion around the country to highlight the issues of climate change and storm damage.

Through demonstrating the effects of erosion, sea level rise and storms has on coastal and intertidal archaeology we are able to use the past to enact change for the future and help to reduce environmental impacts whilst keeping a record of at risk archaeology for the future.

In addition the use of the app is helping to reduce negative environmental impacts. Through training volunteers to digitally record these changes to the coast we are reducing the amount of paper records which are being produced and thus the amount of paper being potentially wasted. This digital recording also helps to make our records more accessible to a wider audience.

As part of every training event, and every presentation we give about CITiZAN, we highlight the reason why the project was set up: we talk about climate change, sea level rise and the risk to heritage from coastal erosion from increasing number of bad weather events. We illustrate this with historic images of coastal loss, particularly where relevant to the particular area we are in.



Figure 60 CAO giving a talk on submerged forests at a school in Cleethorpes to local people to demonstrate the rise in sea levels from prehistory

In repeat visits to Orford Ness, volunteers have been able to track coastal erosion through the now almost complete loss, in 2 years, of Second World War era lime and tar ground marker that sat on the shingle shelf, right on the edge of the intertidal zone. At Orford Ness too we have been collaborating with the interdisciplinary AHRC funded project Heritage Futures. CITiZAN archaeologists and CITiZAN volunteers have been filmed, on site, for the short film Recording Loss. This has prompted a more philosophical consideration of how climate change will affect natural heritage, cultural heritage and humans, and how we can deal conceptually with heritage loss by seeing it also as a process of discovery through erosion revealing new sites as well as destroying old ones.



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Figure 61 A screen shot from the film *Recording Loss* from the project website <https://heritage-futures.org>



Figure 62 Joining the Marine Conservation Societies on one of their Beach Cleans at Shingle Street, Suffolk

Team South East have also joined nature various conservation events including Marine Conservation Society Beach Cleans. We joined Suffolk National Trust volunteers at Pin Mill, Suffolk where we gorse bashed with them in the morning and took them on an app walk along the Orwell in the afternoon. Through these more informal collaborations we have been able to discuss environmental issues and highlight the connections and similarities, through environmental concern, between our projects.



Figure 63 Gorse bashing with Suffolk National Trust volunteers

7.3.2 More people and a wider range of people have engaged with heritage

CITIZAN North have regularly been working with young people and children, in a variety of localities and various organisational bodies, to teach them about intertidal archaeology and how it is recorded and monitored by archaeologists. This has been done mostly through outreach sessions but in some cases has included onsite training. These sessions have been given to amongst others: four Young Archaeologists' Clubs (Leeds, York, Sheffield and Newcastle (YAC too), Girl Guide troops and Duke of Edinburgh Award groups.



Figure 64 Sheffield Young Archaeologists' Club learn how to offset plan using the 'portable foreshore'

It is not always practical or possible to take children out on the foreshore; it may not be safe and there may not be a foreshore with archaeology in the immediate vicinity. Therefore in order to give the opportunity for them to experience and learn about coastal and intertidal archaeology a number of outreach activities were developed. This included; a pictures and words mix and match game to help identify what sites intertidal archaeologists worked on; a finds handling box to touch artefacts which might be found on a intertidal sites; a hazard and risk identification game for working safety on an intertidal sites; and a portable foreshore to experience some of the techniques which archaeologists might use on the foreshore such as offset planning.

Although the children involved in the Young Archaeologists' Club will have interacted with heritage previously, they are unlikely to have spent much time with coastal and intertidal archaeology. In addition it is unlikely that groups like the Filey Girl Guides and the Cleethorpes Duke of Edinburgh award participants would have considered archaeology, even as part of their Octane (Girl Guides award) or Duke of Edinburgh Award Schemes.

CITiZAN North have been working hard to make intertidal archaeology as accessible as possible to as broad a range of people as possible, including those who may have accessibility issues.



Figure 65 A dis/abled participant at a training excavation at Cleethorpes assists with clearing peat using her feet

One example of this was with a participant in Cleethorpes who used her feet rather than hands to undertake fieldwork. The team ensured that there were suitable mats for her to sit and lie on whilst

she was working and additional anti-bacterial wipes and gel. Another participant was worried about standing for long periods of time so a folding down chair was provided to enable her to rest in comfort, as and when necessary.



Figure 66 Adaptions made for a participant who wanted to take part but was unable to stand for long periods of time

As well as delivering the regular training and outreach events the South East team has been working with Brighton University since 2015, on their Arts Faculty option Land and Sea. This is an open air drawing course, aiming to develop the student's artistic range and perception. The students visit five sites across Sussex and Kent then develop their work for a final show. The course is open to students of all disciplines including Architecture, Fine Art, Graphic Design, Photography, Product Design, Textiles and Interior Design as an elective module. Most of the students are in the 'hard to reach', for heritage at least, 18-25 age group and include a number of overseas students, from Europe and beyond. Most have never visited the sites before or engaged with archaeology.



Figure 67 Brighton Arts Faculty students sketching on the hill above the Birling Gap Coastguard Cottages, 2015

Our input into the course is to add to the voices of coastal workers, introducing students to the heritage and archaeology of coastal areas as well as the issues with erosion and of at risk archaeology. We lead a guided walk and question and answer session before their on-site drawing tutorial, and before they head off on site to do their own work.

In the first year we took them to Birling Gap to look at the wrecks of SS Oushla and UB121 and the Coastguard cottages that are gradually being lost to erosion.

We took the 2016 and 2017 cohort to Bishopstone Tidemills where there are the remains of an early 20th century children's hospital, a First World War seaplane base and of a mid-18th century tidemill village, last inhabited in 1939 when it and the children's hospital, were cleared for defensive purposes. Again we talk about the history of the site and about how past communities coped with coastal change.



Figure 68 The Land and Sea final show, 2018

Through CITiZAN connections we facilitated the student 2016 and 2017 show, held at Sussex Archaeology Society's headquarters: Barbican House Museum and Art Gallery in Lewes. It's been great to be able to form a connection between the University and their local archaeology society; the most recent cohort of students were also invited back for a drawing session at Lewes Castle.

Both the University and the students have been really positive about CITiZAN's involvement. Students feedback includes 'I felt connected to the landscape'; 'I would never have come here otherwise', 'It's great to have the story behind things on the foreshore' and 'It's helped me understand a sense of place'. University of Brighton faculty feedback has been equally positive: An 'Invaluable opportunity to work with an archaeologist, adding a rich narrative to the locations visited'; 'Great to have the work in an external venue, generating interest'. We've been asked to work with the students on all five of their site visits in 2018.

For CITiZAN, seeing how non-archaeologists respond to coastal change and landscapes has brought a new understanding to our work and to how we communicate what we do. It's also been a great way to engage with 18-25 year olds. The object of this work is not that we want the scales to fall from the students' eyes and for them to drop their studies and sign up for archaeology courses. But – and this is where the 'sense of place' quote from an architecture student is significant – if we can bring a sensitivity to heritage to their future careers, then it's a job very well done.

The CITiZAN South West team have encouraged people to take ownership of their coastline, throughout the project we have emphasised that whilst we may have the skills to record heritage we

do not have the local knowledge. Throughout all of our events there has been an overwhelming support for this concept and those volunteers who have attended our events, which were not organised collaboratively with an archaeological society, often come with no previous experience of archaeology (except Time Team). We have tried to extend our reach as much as possible by attending other events which have an outdoors and coastal focus. These include the Marine wonder events at Lepe, the Plymouth Channel Coastal Observatory South West event and food festivals at Hive Beach. Our attendance of these events has led to us providing talks and archaeological training to groups such as the Dorset Wildlife Trust at Kimmeridge, and the Coastwatch group of North Devon.



Figure 69 Volunteers from the Dorset Wildlife Trust on a CITIZAN training session, February 2017



Figure 70 Volunteers ready to start the day at Dunster Beach, April 2016

CITIZAN South West has also been heavily involved with the newly formed Dunster Archaeological Group (DAG) who established themselves on the back of one of their group identifying significant amounts of pottery eroding out of the small cliff face at Dunster Beach. CITIZAN, with the support of Historic England, undertook a geophysical survey on the site and identified a Roman enclosure which was dated by the pottery assemblage. The group remain active, and have created an exhibition in the

museum to highlight their findings. One of their primary aims is to conduct a rescue excavation in order to establish the nature of the occupation during the Roman period at Dunster. You can find out more here: <https://www.citizen.org.uk/blog/2016/Apr/14/discovering-coast-dunster-somerset/>

7.3.3 Your local area/community will be a better place to live, work or visit

This outcome can clearly be seen with the sites CITiZAN have interacted with around the country. In the North of England the site which demonstrates this best is the submerged forest at Cleethorpes. The response from the local community at Cleethorpes has been substantial with considerable interest in the archaeology and the project. Since 2015, nine illustrated talks have been given to a range of local societies and organisation with over 300 people attending these events. In addition seven guided walks have been held on the foreshore with a total of 74 people having partaken in one of these to visit the submerged landscape. Interest in the site from local and national television, along with local radio has also been significant with CITiZAN North filming on the foreshore four times in the last three years. Numerous articles have also appeared in local newspapers and websites describing the work of CITiZAN North on the site.

It is due to the keen interest of the local members of the public in the prehistoric archaeology that can be found on the foreshore that so many events have been able to take place. The huge amount of interest has allowed residents to feel a greater pride and value in their town.



Figure 71 CAO talking to the local TV channel about a local submerged forest

CITiZAN South East's work on Mersea Island has helped to increase interaction between generations in the community and provided a focus point for a variety of interests. Two evaluation comments, following a lecture in 2017, sum up the projects impact on Mersea;

"their lectures and talks have been made both on Mersea and nearby venues to packed audiences of people from all walks of life and across all generations. This for Mersea is rarer than finding hen's teeth. I have seen elderly inhabitants book seats to attend what was for many their first "outing" for over a year just because of the interest that has been generated by word of mouth locally."

"CITiZAN contributes to the wellbeing, mental health and sense of community on the island"

7.3.4 Your local economy will be boosted

During the course of the project CITiZAN has held yearly conferences to discuss the work of the project's three teams and bring a wider perspective on intertidal archaeology to our volunteers, with presentations being given by archaeologists from around Europe. These conferences have taken place at different venues around England with the first conference taking place in the Yorkshire

seaside town of Bridlington. By having these conferences, as well as our outreach and training events, located around the country CITiZAN has taken the projects funding out into diverse communities and boosted these communities economy by hiring local venues and catering companies and staying in local accomodation.



Figure 72 View from the first conference venue in Bridlington overlooking the town's golden sands

The Bronze Age timbers discovered on Mersea Island will, after conservation, be returned to the island and housed in a new exhibit in the Mersea Island Museum (A HLF funded local museum) along with other artefacts found as part of the project. The track way timbers are unique to the greater Thames estuary and it is hoped that the promotion of the related exhibit on Mersea will bring tourists onto the island and into the museum over the coming years. There are a host of local cafés, restaurants and businesses that may benefit from the increased tourism. If CITiZAN's work on Mersea continues over the next three years the increased understanding of the island wide archaeological landscape will provide further tourism opportunities.

In all locations that the South East team have utilised local services, cafes and suppliers to support events. With volunteer numbers averaging in the mid-teens local cafes have benefited from our presence and lasting return visits by our volunteers as they got to know the area.

7.3.5 Your organisation will be more resilient

As part of MOLA's programme of continuing professional development, there has been the opportunity for CITiZAN staff to undertake peer-to-peer learning in areas where skills gaps existed. One example of this from the CITiZAN North team is in the area of presenting heritage to young adults and children. Whilst one member of staff was very experienced in this area the second member of the team was less so. The less experienced member of staff was shown different methods for interacting with young people and children; they were shown how to explain heritage by using language more familiar to children, as well as been shown activities which were considered age appropriate. These activities were fun yet informative and approached learning about heritage in a creative and off-beat fashion. The member of staffs was also shown alternative methods of activity/event evaluation which would be easier for younger members of the public to understand. The less experienced member of staff was also provided with training methods from the educational sector, such as lesson planning worksheets to increase their skillset in dealing with the under 18s. After accompanying the more experienced member of staff to several sessions orientated towards young people, they were able to confidently lead sessions by themselves.

Another example from the CITiZAN North team was a specialist training course undertaken by a member of staff with our project partners the Nautical Archaeological Society. This particular course was the “Understanding Wooden Boats and Ship” run at Portsmouth Historic Dockyard. The course involved the detailed analysis and recording of ships from the historic age of sail and helped the member of staff better understand aspects of ship anatomy which could then be passed on to member of the public who attended training events across the North of England.

The CITiZAN North team were also approached by our project partners the Council for British Archaeology and asked to provide a ‘team away day’ experience for members of staff at Beatrice di Cardi House. The event was designed to increase team bonding across the different departments of the Council for British Archaeology and strength the Council’s knowledge of intertidal archaeology. As result the CITiZAN North team ran a guided walk and digital recording exercise on the Bridlington anti-invasion defences, this increased the Council for British Archaeology’s knowledge of First and Second World archaeology, gave them an insight into some of the problems and opportunities of working in the intertidal zone and improved their knowledge of digital recording techniques, whilst also giving the staff valuable time out of the office to strengthen their team bonds.



Figure 73 CAO discussing anti-tank cubes and digital recording with CBA staff

The Council for British Archaeology regularly receive requests from members of the public, particularly students, asking for advice in assignments or careers in the heritage sector. Since the CITiZAN North team were placed with the CBA, they now have direct access to inter-tidal and maritime heritage specialist knowledge, and the team has answered many of these requests for advice. Further examples of HLF-funded projects helping each other become more resilient include CITiZAN North’s joint workshops with the Home Front Legacy Project and the East Coast War Channels, with both teams taking away learnt information. In particular, the North team is now much more confident in the identification and interpretation of rare First World War archaeological assets.

Partnerships developed with local organisations and volunteer groups have led to the most successful projects within the South East region. Working with the National Trust and Eastbourne Town Council in Birling Gap provided a network for future development with many volunteers going on to join the National Trust volunteer programme and vice versa. Links to Eastbourne town council enabled CITiZAN to access conference facilities free of charge as well as providing joint events with the council promoting archaeology in the area. On Mersea Island local councillors are now involved in the project and were pivotal in raising a large portion of the £6000 to exhibit the Mersea Timbers. They are supportive of access to a variety of community focussed grants within Essex that would

support the project as it develops along the Blackwater and Colne Estuaries. Consulting opportunities have also arisen as a direct result of embedding the project within the Mersea community. An upcoming recharge project required initial archaeological survey and associated protocol documents, as well as post works investigations that the CITIZAN project are delivering. There are likely to be similar opportunities around the county in the coming years as coastal defence projects seek to adopt new methods of protecting and managing the realignment of the coast therefore CITIZAN is well placed by working closely with communities to commercially deliver such work.

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9 OASIS form

OASIS ID: molas1-328416

Project details

Project name CITIZAN: Coastal and Intertidal Zone Archaeological Network

Short description of the project Much of our island's history is simply being washed away. Significant archaeological sites along England's sinuous coast and on the foreshores of our tidal estuaries are continually eroded by winds, waves and winter storms. The vulnerable sites exposed on our coasts and foreshores comprise the largest assemblage of directly threatened archaeological features in the country, for which there is limited statutory protection. Until 2015 with the launch of CITIZAN, there had been no systematic standardised system in place to record these vulnerable sites in detail or to regularly monitor their fate over the longer term. CITIZAN, the Coastal and Intertidal Zone Archaeological Network, is one of the largest 'citizen science' archaeology projects in the UK. Hosted by MOLA and delivered together with our project partners the Council for British Archaeology and with Nautical Archaeology Society we were supported by a grant from the Heritage Lottery Fund in 2015-18, with match funding from the National Trust and The Crown Estate. We have set up strong collaborative national networks of local communities and professionals and implemented a national standard for recording England's threatened coastal heritage in 2015-18. CITIZAN have developed a new coastal archaeology smartphone app (free to download on Android and Apple iOS devices) which allows not only trained CITIZAN volunteers but also any coastal user with a keen eye and a smart phone to record fragile coastal and intertidal heritage and monitor changes brought about by erosion and storm damage. CITIZAN 2015-18 has been extremely successful and made a national and international impact in coastal and intertidal archaeology, public archaeology and climate change studies.

Project dates Start: 01-01-2015 End: 30-06-2018

Previous/future work No / Not known

Current Land use Coastland 2 - Inter-tidal

Current Land use Coastland 5 - Cliff and related features

Current Land use Coastland 3 - Above high water

Current Land use Coastland 4 - Saltmarsh

Current Land use Coastland 6 - Other

Project location

Country England

Site location GREATER LONDON CITY OF LONDON CITY OF LONDON Coast and Intertidal Zones of England from Mean low water to 100m inland of mean high water

Study area 10000 Kilometres

Site coordinates TQ 32552 83531 51.534606011381 -0.088667132114 51 32 04 N 000 05 19 W Point

Project creators

Name of Organisation MOLA

Project brief originator CITIZAN

Project design originator CITIZAN

Project director/manager David Bowsher

Project supervisor Stephanie Ostrich

Type of sponsor/funding body Heritage Lottery Funding

Name of sponsor/funding body	Heritage Lottery Fund
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Project archives

Digital Archive recipient	ADS
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Digital Contents	"Survey","other"
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Digital Media available	"Database","Images raster / digital photography","Spreadsheets","Survey","Text"
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Paper Archive recipient	unknown
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Paper Media available	"Report","Unpublished Text"
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Project bibliography 1

Publication type	Grey literature (unpublished document/manuscript)
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Title	CITiZAN: the Coastal and Intertidal Zone Archaeological Network: Final HLF project report
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Author(s)/Editor(s)	Ostrich, S.
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Date	2018
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Issuer or publisher	MOLA
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Place of issue or publication	London
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Description A4 final HLF report, digital only

Entered by Stephanie Ostrich (sostrich@mola.org.uk)

Entered on 13 September 2018

10 Appendix: Policies and proformas

- 10.1 Health and Safety Policy and checklist
- 10.2 Code of conduct
- 10.3 Finds collection policy and guidance
- 10.4 Image Consent
- 10.5 Evaluation forms



CITiZAN Health and Safety

CITiZAN wants you to be safe while out on the foreshore, so please follow the guidelines below.

Never put yourself or others at risk when recording and monitoring for CITiZAN. If you are unsure or feel that the situation is unsafe for any reasons do not continue.

- Always work with at least one other person; never work by yourself.
- Check the tides and the weather when planning your trip. Be aware that weather conditions such as recent storms and strong winds can affect the tides. If in doubt about your timing or tidal conditions contact the local coastguard and have them approve your plans. A seven day forecast of tides and weather is available via the [BBC website](#).
- On sunny days apply sunblock and wear a hat. In chalk cliff areas particularly the effect of the sun is intensified by reflection from the cliffs.
- Wear appropriate clothing and supportive footwear with good grips
- Tell a contact on shore what time you are going and what time you expect to be back. Arrange with them to contact the coastguard if they haven't heard from you by that time.
- Take a fully charged mobile phone with you and in an emergency contact the Coastguard by dialling 999. Remember, however, that many coastal or remote areas may not have a signal. In this case it is worth trying to send a text to your shore contact as these sometimes work if they catch a momentary signal.
- Identify your nearest landmark in case you have to make an emergency call.
- Don't walk close to the cliff base if the area is prone to rock falls. Do not explore caves in cliffs in these areas and never climb up or down unstable cliffs.
- Do not go into, or get close to, unstable structures or buildings.
- Never go out onto mud flats or salt marshes unless you are sure it is safe to do so.
- Take particular care on slippery rocks and always look where you are walking, this includes not stepping backwards while trying to frame a photograph
- If you come across an item that looks like it might be Second World War ordnance **do not touch it**. If you can do so safely take a photograph, mark the position and report it to the Coastguard.
- Do not touch any containers or drums that may contain hazardous substances or waste. Report any such item to the Environment Agency incident hotline by dialling 0800 80 70 60.
- Avoid disturbing wild animals. Take particular care during bird breeding season, roughly May-September. Injured or trapped animals can be reported to the RSPCA by dialling 0300 1234 999.

Things to take with you:

- Plenty of liquids and enough food to cover unexpected delays
- A good map (e.g OS Explorer)
- A whistle
- A compass
- An emergency first aid kit
- Extra warm clothes, sunblock, waterproofs, a hat according to the weather

<p>Before your visit:</p> <ul style="list-style-type: none"> • Check the tide tables & don't forget GMT/BST differences • Check your tetanus jab is up to date • Plan your journey & allow plenty of time • Check local weather conditions & check for flood warnings • Know your exact location in case of emergency • Tell someone where you are going & when you expect to finish • Cover all cuts & abrasions with waterproof plasters on hands & feet 	<p>Whilst on site and after your visit:</p> <ul style="list-style-type: none"> • Keep an eye on the tide • Leave plenty of time to get off the foreshore • Be careful of what you touch – don't eat, drink or smoke • Be aware of where you are walking • Be aware of wash from river craft • Wash your hands thoroughly afterwards • Be aware of unexploded ordnance. If you see something suspicious don't touch it. Note the position and report it to the coastguard. • Wash your hands before eating, drinking or smoking • Tell your designated person that you are back
<p>Take with you:</p> <ul style="list-style-type: none"> • Someone else – NEVER work alone • A mobile phone (charged) • Appropriate clothing for the weather • Wellies or waterproof footwear • Cane or stick to test depth of mud • Waterproof gloves & antibacterial wet wipes/hand wash 	<p>Insurance:</p> <ul style="list-style-type: none"> • Employers Liability Insurance is arranged through CITiZAN and Museum of London Archaeology and covers our volunteers when they are working with us. • HOWEVER you MUST inform the CITiZAN team if making independent visits to the foreshore as part of the project to ensure you are covered.
<p>On arrival:</p> <ul style="list-style-type: none"> • Find your access routes and emergency exits • Check for life rings on the river front • Keep an eye out for warning signs • Stick to your zone limits – <i>don't go too far!</i> • Check the ground conditions and behind/above the foreshore • Don't carry heavy equipment on your first visit to a new area! 	<p>Contacts:</p> <ul style="list-style-type: none"> • Lara Band 07718 570384 • Oliver Hutchinson 07718 570382 • Stephanie Ostrich 07718 570381 • Police, Ambulance, Fire and Coastguard DIAL 999

CITiZAN appreciates the time, commitment and skills that volunteers contribute to the project and we are dedicated to ensuring that the experience is enjoyable, beneficial and safe for the volunteer. This document outlines what you can expect from us and what we expect from you to make this a productive, reciprocal relationship.

CITiZAN agrees:

- To provide insurance for all participants in training and outreach events
- To provide comprehensive and regularly updated health and safety guidelines for participants
- To provide guidance on health and safety matters as part of training and outreach events
- To provide site specific risk assessments for training and outreach events
- To ensure volunteers have support whilst volunteering
- To liaise with volunteers about any issues that may affect their involvement with the project

The volunteer agrees:

- Not to work alone on the foreshore
- To be aware of the environmental conditions (e.g. weather, tide times, dangerous mud, unstable cliffs, etc) of a site location and to not undertake work under dangerous conditions
- Not to dig or excavate any area of the foreshore
- To adhere to the CITiZAN Finds Policy
- Not to smoke or eat whilst on the foreshore or to smoke in any areas used by the project
- To take reasonable care for their personal health and safety and that of others affected by their actions
- Not to intentionally or recklessly interfere with, or misuse anything provided by the project
- To report any hazards they encounter or observe whilst involved with the project
- To use equipment provided by the project in accordance with training or instructions from the team
- Not to carry out project activities whilst under the influence of alcohol or illegal drugs or prescription medication that may affect their ability to work safely
- Not to access a site if there is no obvious right of way or public access unless permission has been given by the landowner
- To respect fences and signage
- Not to discuss the project with the media without prior permission from the staff
- Not to do anything that may bring CITiZAN into disrepute

The focus of CITiZAN is to record and monitor eroding on the foreshore features; it is not to systematically collect finds. Should volunteers find any objects that they think might be of significance they should report these to the CITiZAN team and their local Portable Antiquities Scheme Finds Liaison Officer (FLO). For further information please refer to the CITiZAN finds policy.

The volunteer agrees:

- Not to work alone on the foreshore
- To be aware of the environmental conditions (e.g. weather, tide times, dangerous mud, unstable cliffs, etc) of a site location and to not undertake work under dangerous conditions
- Not to dig or excavate any area of the foreshore
- To adhere to the CITiZAN Finds Policy
- Not to smoke or eat whilst on the foreshore or to smoke in any areas used by the project
- To take reasonable care for their personal health and safety and that of others affected by the their actions
- Not to intentionally or recklessly interfere with, or misuse anything provided by the project
- To report any hazards they encounter or observe whilst involved with the project
- To use equipment provided by the project in accordance with training or instructions from the team
- Not to carry out project activities whilst under the influence of alcohol or illegal drugs or prescription medication that may affect their ability to work safely
- Not to access a site if there is no obvious right of way or public access unless permission has been given by the landowner
- To respect fences and signage
- Not to discuss the project with the media without prior permission from the staff
- Not to not do anything that may bring CITiZAN into disrepute

Name.....

Signature.....

Date.....

Please complete and return this form to a member of CITiZAN

When you're out and about on the coasts of England or the foreshores of England's tidal rivers, it's likely that you will encounter artefacts of all types and sizes. *CITiZAN is focused on recording and monitoring structures, landscapes and archaeological features, and will not systematically collect artefacts.* However, we urge you to deal with the finds you encounter responsibly. Below you will find guidance on how to do this.

Be aware that there are some items you must report within a time limit:

- Treasure must be reported to the Coroner **within 14 days**
- Wreck or salvage must be reported to the Receiver of Wreck **within 28 days**

Portable Antiquities Scheme (PAS) Guidance

Small finds and treasure are dealt with by the PAS, who should be your first point of contact if you think you have found something of interest to report. We have listed some basic information for you about the PAS below. Simply put, the steps you should follow are outlined below.

1. Contact your local Finds Liaison Officer (FLO) <<http://finds.org.uk/contacts/>>.
2. It would be helpful for our purposes if you would copy your local CITiZAN office into your email to the FLO, so we can keep track of who involved with CITiZAN is reporting finds.
3. The FLO will decide if they want to see/record your artefact.

The PAS record all types of archaeological finds that are older than 1650. These include flints, pottery, metal objects or other artefacts. They may decide not to record your finds, or you might have something much more interesting than you thought! They say: 'It is often best to let the Finds Liaison Officer see all your finds, especially if you are unsure what they are: a nondescript lump of copper-alloy may turn out to be a fragment of an archaeologically important Bronze Age ingot'. In England, Wales and Northern Ireland, all finders of gold and silver objects, and groups of coins from the same finds, over 300 years old, have a legal obligation to report such items under the Treasure Act 1996. Prehistoric base-metal assemblages also qualify as Treasure.

Treasure must be [reported](#) within 14 days.

Receiver of Wreck

Wreck material includes things found on the sea shore or in tidal water that have come from a ship, aircraft or hovercraft (vessels). This could be parts of the vessel, its cargo or equipment.

There are 4 main categories:

1. Flotsam—goods that have remained afloat after being lost from a ship that has sunk
2. Jetsam—things that have been cast overboard from a ship that was in danger of sinking
3. Derelict—property that has been abandoned at sea without hope of recovering it, which could be vessels or cargo
4. Lagan—goods that have been buoyed (so they can be recovered) before being cast overboard from a ship that then sinks

Wreck material doesn't normally include:

- Boats that have come off their moorings
- Buoys, like marker or mooring buoys

It does include buoys that form part of fishing equipment.

Wreck material must be **reported** within 28 days.< <https://www.gov.uk/report-wreck-material>>

You should contact the Receiver of Wreck if you're not sure whether something is wreck material.

Alison Kentuck
Receiver of Wreck
Spring Place
105 Commercial Road
Southampton
SO15 1EG
Tel 023 8032 9474 / Fax 02380 329 477
row@mcga.gov.uk

Treasure

In the event of 'Treasure' being recovered during a CITiZAN training or outreach event the artefacts in question will be reported to the local coroner <<https://finds.org.uk/contacts/coroners>> and surrendered to the regional Portable Antiquities Scheme Finds Liaison Officer (see contact details above).

This includes all finds of **gold** and **silver**, or other objects definable as '**treasure**'; these should be removed to a safe place and reported to the local Coroner according to the procedures of the *Treasure Act 1996* and the *Treasure (Designation) Order 2002*. Where removal cannot be effected on the same working day as the discovery suitable security measures will be taken to protect the finds from theft.

Advice when working on Crown Estate owned property

(From: <http://www.thecrownestate.co.uk/coastal/metal-detecting/permissions-res/>)

Other permissions, restrictions, and finds

On occasions third parties may restrict metal detecting on Crown Estate land. If the foreshore is for example within a Site of Special Scientific Interest (SSSI) then the relevant authority may object to certain activities, and so access may be restricted. We expect detectorists searching on our foreshore to be sensitive to environmental designations and if necessary obtain any additional permissions. The relevant authority will be either the Countryside Council for Wales, Scottish Natural Heritage, Natural England or the Northern Ireland Environment Agency. Local authorities also have the power to ban metal detecting and other activities through the use of byelaws and we would therefore recommend checking with the appropriate authority to ensure that no such ban is in place.

Finds

All objects found on our foreshore, other than treasure, are in principle the property of The Crown Estate and may potentially be claimed by us. The procedure for reporting finds and the general principle in terms of rewards for treasure and non-treasure are explained on the terms and conditions page.

Note: The River Thames only

In respect of the River Thames foreshore only, the Crown Estate jointly administers a permit with the Port of London authority. Due to the sensitive archaeological nature of the Thames, foreshore searching is banned or subject to additional restrictions in a number of locations. For a permit, please contact the Port of London Authority.

Useful links

If you would like to read more about that PAS or the Receiver of Wreck, there are some helpful links below. Do not hesitate to contact your local CITIZAN office if you have any further questions.

PAS FAQs

<http://finds.org.uk/getinvolved/fag>

The process of reporting finds (from the PAS website)

<http://finds.org.uk/getinvolved/guides/codeofpractice>

Get Involved with PAS

<http://finds.org.uk/getinvolved/guides/ngr>

PAS Guides

<http://finds.org.uk/getinvolved/publications>

Treasure

<http://finds.org.uk/treasure>

Reporting to the Receiver of Wreck

<https://www.gov.uk/report-wreck-material>

Report a wreck or salvage form (MSF 6200)

<https://www.gov.uk/government/publications/report-a-wreck-or-salvage-form-msf-6200>

(Note: the form can't be accessed using Chrome. Use another browser, e.g. Internet explorer or Firefox)

Wreck and Salvage laws

<https://www.gov.uk/guidance/wreck-and-salvage-law>

Please read and ensure you are fully aware of this document before you sign, should you choose to.

To comply with the UK Data Protection Act, your permission is needed before we are able to use any image or near likeness of you. No image or likeness will be used without your permission.

If it is given, you may remove your permission at any time by contacting the CITiZAN team.

Name.....

Home Address.....

.....

.....

Postcode.....

Contact telephone number.....

I give my permission as the named person above for my likeness to be used for the purposes of CITiZAN's internal and external publications, videos, newsletters, presentations and website, and local/national newspaper articles.

Signature.....

Date.....

Please complete and return this form to a member of CITiZAN

10.5 Evaluation forms



TRAINING EVENT:

Place:

Date:

Thanks for taking part in today's event. We hope you enjoyed it and have learned more about our coastal heritage and the archaeological methods used to record it. To help us improve we'd love to know a little more about your experience today.

Have you attended a CITiZAN event before today?

Yes, I have been to XX CITiZAN events:	<input type="checkbox"/> 1-2 events	<input type="checkbox"/> 3-4 events	<input type="checkbox"/> 5+ events
- I first attended in:	<input type="checkbox"/> 2015	<input type="checkbox"/> 2016	<input type="checkbox"/> 2017
No	<input type="checkbox"/>		

How would you describe your involvement with archaeology?

- | | |
|---|--|
| <input type="checkbox"/> No previous involvement | <input type="checkbox"/> General interest |
| <input type="checkbox"/> Student | <input type="checkbox"/> Amateur archaeologist |
| <input type="checkbox"/> Professional archaeologist | <input type="checkbox"/> Other |

Age Group

- | | | | |
|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> Under 16 | <input type="checkbox"/> 16 - 18 | <input type="checkbox"/> 19 - 25 | <input type="checkbox"/> 26 - 35 |
| <input type="checkbox"/> 36 - 45 | <input type="checkbox"/> 46 - 55 | <input type="checkbox"/> 56 - 65 | <input type="checkbox"/> 65+ |

Do you volunteer for any other organizations?

- Yes No

Facilities and presentation

Please rate the following:	1 =Poor	2	3	4	5 = Excellent
Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-course information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Content

Your confidence in the following	Need further instruction	Able with assistance	Confident	Existing Skill
Identifying significant features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recording significant features using the app	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitoring significant features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Using the web-based monitoring form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please turn over for a few more questions

What did you enjoy most about the training event?

Is there anything you would change about today's event?

What additional training, if any, would you find useful?

Do you feel could you explain the aims of CITiZAN to others?

Yes No

Would you come to another CITiZAN event?

Yes No

Please add further comments below if you wish:



EVENT:
Place:
Date:

Thanks for taking part in today's event. We hope you enjoyed it and have learned more about our coastal heritage and the archaeological methods used to record it. To help us improve we'd love to know a little more about your experience today.

Have you attended a CITiZAN event before today?

Yes, I have been to XX CITiZAN events:	<input type="checkbox"/> 1-2 events	<input type="checkbox"/> 3-4 events	<input type="checkbox"/> 5+ events
- I first attended in:	<input type="checkbox"/> 2015	<input type="checkbox"/> 2016	<input type="checkbox"/> 2017
No	<input type="checkbox"/>		

How would you describe your involvement with archaeology?

- | | |
|---|--|
| <input type="checkbox"/> No previous involvement | <input type="checkbox"/> General interest |
| <input type="checkbox"/> Student | <input type="checkbox"/> Amateur archaeologist |
| <input type="checkbox"/> Professional archaeologist | <input type="checkbox"/> Other |

How far do you agree with the following?	Agree	Neither agree nor disagree	Disagree
Today's event was enjoyable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I learned something new about archaeology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I learned something new about coastal change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is there anything you would change about today's event?

Why did you come along to the event?

How did you hear about today's event?

- Friends CITiZAN website Leaflet Local society Facebook

Age Group

- Under 16 16 - 18 19 - 25 26 - 35 36 - 45 46 - 55
 56 - 65 65+

Would you like to receive the CITiZAN email newsletter? Enter your email address below

Would you like to become a CITiZAN volunteer and help us to record and monitor local archaeological sites?

- Yes No *If yes, please make sure you've written your email address above*

11 Appendix: Training events

11.1 List of training events 2015–18

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Greenwich	4-day course assisting TDP with training new Foreshore Recording and Observation Group (FROG) members	National	18/04/2015	40	Training
Cleethorpes	Identification of submerged landscape and site visit	North	25/05/2015	1	Training
Lepe	Training event with Friends of Lepe to record the D-Day remains	South West	24/06/2015	10	Workshop
Filey Guides, Filey, Yorkshire	Introduction to intertidal archaeology and planning	North	25/06/2015	10	Classroom
East Riding Archaeological Society Training, Beverley, Yorkshire	Archaeology 101: Basic archaeological field skills	North	28/06/2015	6	Classroom
Sheffield Young Archaeologists Club, Sheffield, Yorkshire	Introduction to intertidal archaeology and planning	North	18/07/2015	10	Classroom
Gosport, Hampshire	Survey training on vessel remains with Nautical Archaeology Society	South West	28/07/2015	6	Workshop
Senhouse Museum, Maryport	Training on website and pro-formas	North	05/08/2015	4	Classroom
Langstone Harbour, Hampshire	Photographic recording with RSPB wardens and the Langstone Harbour Board Environment Officer	South West	18/08/2015	3	Workshop

Key site / Location	Training description	CITiZAN centre	Date	People engaged	Training type
Medmerry, West Sussex	Survey training on wooden remains with the Chichester District Archaeology Society (CDAS)	South West	25/08/2015	15	Workshop
Lepe, Hampshire	Offset survey and photographic recording training on WWII remains with the staff and Friends of Lepe Countryside Park	South West	07/09/2015	9	Workshop
Porthcressa, Isles of Scilly	Survey training on cliff sections	South West	22/09/2015	6	Workshop
Gwithian, Cornwall	Survey training on WWII and industrial remains	South West	26/09/2015	9	Training
Lowland Point, Cornwall	Survey training on Romano-British remains with the Menage Archaeology Group	South West	28/09/2015	10	Training
Poole Harbour	Training on analysis of aerial photographs with the Poole Maritime Trust	South West	20/10/2015	10	Workshop
Lepe	Survey training with Hampshire Archaeological Dowsers	South West	22/11/2015	20	Training
Formby Lifeboat Station, Liverpool (Training)	A day training on archaeological skills and practice on Formby lifeboat station.	North	05/02/2016	19	Training
Beadnell Fisherman's Hut (Workshop)	An afternoon training some members of a local society on building recording.	North	12/02/2016	3	Workshop
Cannon Street, London	One day app training/testing with FROG volunteers	National	13/02/2016	5	App workshop
The Stour Estuary, Suffolk	One day App training/testing with 2015 volunteers	South East	12/03/2016	5	App workshop
Cleethorpes Submerged Forest (Workshop)	A day of training Duke of Edinburgh volunteers on how to record a submerged forest.	North	12/03/2016	12	Workshop

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Cliffe at Hoo, Kent	One day app workshop with Cliffe at Hoo historical society	South East	13/03/2016	12	App workshop
Cannon Street, London	App training as a part of the TDP's FROG training.	South East	24/03/2016	35	App workshop
Birling Gap	Wreck recording	South East	07-08/05/2015	12	Training
Shaft Search 2015 – Birling Gap	2 day training and monitoring session for new and returning volunteers (included 9 CITIZANs returning for their 4th session with the project)	South East	16-17/11/2015	43	Training
The Palace Quay, Suffolk	Three training sessions on post medieval quay site on an estuary	South East	18-20/09/2015	13	Training
Birling Gap	Wreck recording, second session	South East	18-21/06/2015	15	Training
Jenny Brown's Point Training, Silverdale, Lancashire	2-day training course on planning and surveying	North	19-20/06/2015	19	Training
Isle of Wight	Survey training at Hatherwood Battery	South West	23-24/11/15	12	Training
Heysham Training weekend, Lancashire	2-day training course on building recording and planning	North	24-25/07/2015	8	Training
Maldon, Essex	Training sessions as part of the FOBA recording vessel remains	South East	24-26/06/2015	10	Training
Brownsea Island, Dorset	Survey training on industrial remains for Festival of British Archaeology	South West	24-26/07/2015	9	Training
Cleethorpes Training weekend, Lincolnshire	2-day training course recording a submerged landscape	North	26-27/09/2015	9	Training

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Pett Level, Sussex	Three submerged Forest Recording sessions	South East	27-30/08/2015	20	Training
Dunster, Somerset	Geophysics training with Historic England	South West	06/04/2016 – 09/04/2016	12	Training
Gosport, Hampshire	Vessel recording training session with the Nautical Archaeology Society	South West	21/05/2016 – 22/05/2016	9	Training
Brean Down, Somerset	Training weekend recording WWII features	South West	17/06/2016 – 19/06/2016	8	Training
London, Bermondsey	One day app workshop with TDP FROG group	South East	04/05/2016	13	App workshop
The Barge Graveyard, Maldon, Essex	A weekend recording the remains Thames Sailing Barge Vicunia and the remains of 2 other timber hulled vessels.	South East	13 -15/05/16	15	Training
SS Oushla and UB121, Birling Gap, East Sussex	A weekend recording the remains of a steam ship and U boat.	South East	27-29/05/16	25	Training
Isleworth, Upper Thames	One day app workshop with TDP FROG group	South East	06/06/2016	7	App workshop
Littlehampton, West Sussex	One day app workshop	South East	14/06/2016	7	App workshop
Pegwell Bay, Kent	A weekend recording the Grade II Listed WW2 anti-tank cylinders and associated defences.	South East	24-26/06/16	15	Training
Coalhouse Fort Park	One day app workshop	South East	29/06/2016	15	App workshop

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Victoria Docks vessel recording, Hull	Recording the remains of Earle's shipyard and the remains of 3 timber hulled vessels.	North	21-22/05/2016	9	Training
Auburn Sands Pillbox Workshop	A workshop on the military defences and training in recovering a newly rediscovered pillbox	North	24/06/2016	2	Workshop
Tennyson Down, Isle of Wight	FOBA training event over 6 days	South West	19-24/07/2016	36	Training
Lepe, Hampshire	Training WWII remains with the NFNPA	South West	4-5/08/2016	6	Training
Berry Head, Devon	Training with the University of Winchester	South West	12-13/09/2016	9	Training
Ramsgate, Kent	App training	South East	11/09/2016	10	App workshop
Orford Ness, Suffolk	Overnight training weekend at the former AWRE	South East	2-3/7/16	10	Training
Cley next the Sea, Norfolk	Training weekend	South East	22-24/7/16	10	Training
Shotley Peninsula, Suffolk	Training weekend	South East	12 -14/08/2016	5	Training
Orford Ness, Suffolk	Followup training session at the former AWRE	South East	3-4/09/2016	14	Training
Pett Level, East Sussex	Weekend training on the submerged forest and landscape	South East	23 -25/09/2016	25	Training
Mersea Island, Essex	App training	South East	20/09/2016	24	App workshop
Bathing Pools, Howick, Northumberland	Recording the remains of a rock cut bathing pool, included a guided walk and an extensive app workshop	North	05/07/16 – 06/07/16	2	Training

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Salt pans, Allonby, Maryport	Three day training event to get a record of the remains of some unrecorded rock-cut salt pans on the foreshore.	North	12/07/16 – 14/07/16	2	Training
Ship hards, Victoria Docks, Hull (16-25 year olds)	One day workshop held specifically for 16-25 years old in the Hull area, grant from CBA as part of the FOBA.	North	18/07/2016	4	Workshop
Old Stone Pier, South Landing, Yorkshire	Training weekend to beginning to record the remains of a stone pier and included a guided walk as part of the event.	North	23/07/16 – 24/07/16	8	Training
Tynemouth, Tyne and Wear	A training weekend to record the remains of a lifeboat slipway at Priors Haven.	North	06/08/16 – 07/08/16	4	Training
Beadnell, Northumberland	Record the remains of a lime kiln eroding out the side of a cliff face and included a short guided walk of some of the lime kilns in Beadnell.	North	21/08/16 – 22/08/16	2	Training
South Shields, Tyne and Wear	One day workshop to record a WW1 sea plane ramp on Littlehaven beach.	North	19/09/2016	2	Workshop
Hightown, Merseyside	Training weekend on recording the remains of a submerged forest and peat shelf	North	23/09/16 – 24/09/16	9	Training
Porlock Wier, Exmoor	Training event with Exmoor NPA	South West	31/09/2016 – 01/10/2016	8	Training
Brownsea Island, Dorset	Training event	South West	20/10/2016 – 21/10/2016	6	Training
Dell Quay, West Sussex	App training event with CDAS	South West	21/11/2016	10	App workshop
Recording the WWI East Coast War Channels; Scarborough	Collaborative training event with East Coast War Channels Project and Home Front Legacy Project	South East (for North)	05/10/2016	9	Workshop

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Woodbridge, River Deben, Suffolk	App training for Orford Ness volunteers	South East	11/10/2016	18	App workshop
Heysham Coast, Lancashire	Walkover survey of the National Trust site at Heysham Head and Rectory Wood as ground truthing for recent DBA.	North	24/10/2016 – 26/10/2016	13	Training
Oyster Island, Langstone Harbour	Survey and app training with MAT volunteers	South West	10/01/2017	4	App workshop
Kimmeridge, Dorset	App training session with Dorset Wildlife trust volunteers	South West	11/02/2017	14	App workshop
Medina River, Isle of Wight	App training session on the Medina	South West	21/02/2017	1	App workshop
Brean Down, Somerset	Survey and app training with NT staff and volunteers	South West	20-21/03/2017	10	Training
Hamble River, Hampshire	Survey and app training with MAT volunteers on a WWI Hulk	South West	31/03/2017	3	App workshop
Pin Mill	App training on the Orwell foreshore	South East	15/01/2017	14	App workshop
Orford Ness	App training/monitoring	South East	20/01/2017	5	App workshop
Timber recording training at MOLA	Timber recording session with Damian Goodburn for Mersea Island volunteer group	South East	31/01/2017	7	Training
Mersea Island, Essex	Super low tide survey	South East	30/03/2017	15	Training
Heysham Coast	Part 2 of the walkover survey, further work of specific areas and a GPR survey	North	20-21/02/2017	14	Training
Hest Bank Jetty	Recording a jetty at Hest Bank	North	21-22/03/2017	15	Training
Plumpton Pier	Recording a pier at Plumpton	North	23/03/2017	5	Training
Gosport Minesweeper	Vessel recording with the NAS	South West	02-03/05/2017	4	Training

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Hooe Lake	Vessel recording with students from the University of Plymouth	South West	14-15/06/2017	2	Training
Coalhouse Fort Park, Thurrock	A two day training event with talks and practical recording sessions	South East	20-21/05/2017	16	Training
Orford Ness, Suffolk	A two day training event with talks and practical recording sessions	South East	3-4/06/2017	15	Training
SS Fernebo, Cromer	A two day training event with talks and practical recording sessions	South East	24-25/06/2017	9	Training
3D modelling workshop, London	Working with the TDP, CITIZAN SE delivered a 3D modelling workshop	South East	06/05/2017	25	Workshop
Sutton-on-Sea	A two-day event which involved a talk, learning new archaeological skills and the app.	North	10-11/04/17	25	Workshop
Young Archaeologists' Club Leaders Weekend	A weekend event for YAC Leaders which was based around intertidal and coastal archaeology.	North	06-07/05/17	34	Training
Victoria Docks, Hull	A two-day event to record the remains of vessels and a shipyard.	North	13-14/05/17	7	Training
Auburn Sands, Bridlington	A two-day event to record some of the WW1 and WW2 archaeology.	North	09-10/06/17	1	Training
Auburn Sands Workshop, Bridlington	A one day workshop to record some WW2 and possible WW1 structures.	North	25/06/2017	5	Workshop
Thames, Surrey Docks	FROG app training session	National	27/04/2017	25	App workshop
Turf Lock, Devon	Vessel recording, app training and photogrammetry	South West	21-22/07/2017	13	Training

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Fort Cumberland, Portsmouth	App workshop and guided tour (see outreach below)	South West	29/07/2017	16	App workshop
Isles of Scilly	Training session with local community archaeology group	south west	24/09/2017	5	Training
Isles of Scilly	Training session at Tolls Porth	South West	25-26/09/2017	5	Training
Folkestone East Coast War Channels Workshop	Day workshop on WW1 East Coast War Channels with Chris Kolonko and Anthony Firth	South East	08/07/2017	4	Workshop
Birchington on Sea/Margate	A one day app workshop	South East	19/07/2017	15	App workshop
Pett Level	A two day training event	South East	12-13/08/2017	28	Training
Mersea Island	A two day training event	South East	29-30/07/2017	15	Training
Leigh on Sea/Benfleet Creek	A one day app workshop	South East	17/08/2017	6	Workshop
Roa Island App Workshop, Barrow-in-Furness	An app workshop based around the foreshore at Roa Island which was a guided walk used to train volunteers how to use the app.	North	16/07/2017	5	App workshop
Bardsea App Workshop, Ulverston	An app workshop based around the foreshore at Bardsea which was a guided walk used to train volunteers how to use the app.	North	17/07/2017	4	App workshop
Victoria Docks Young Persons Workshop, Hull	A workshop specifically for young people between the age of 16-25 to give them an experience in intertidal archaeology.	North	22/07/2017	1	Workshop

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Withernsea App Workshop	An app workshop based around the foreshore at Withernsea which was a guided walk used to train volunteers how to use the app.	North	11/08/2017	6	App workshop
Filming Workshop	A workshop with young people was put together for the filming at Earles Shipyard in Hull.	North	14/08/2017	11	Workshop
Auburn Sands 3D Workshop, Bridlington	A 3D workshop at Bridlington to try and record some interesting WW1 and WW2 features such as a graffitied anti-tank block.	North	23/08/2017	8	3D Workshop
Formby Footprints Workshop	A workshop on prehistoric footprints, how to identify them and how archaeologists would record them with a chance to have-a-go.	North	01/09/2017	16	Workshop
Humberston Training	A training event to record some local shipwrecks.	North	18-19/09/17	3	Training
GIS training	GIS training for CITIZAN volunteers and staff	National	13-14/12/2017	2	Workshop
Roa Island lifeboat slipway	Recording of intertidal slipway remains consisting of timber piles and base-plates	North	13/10/2017	1	Training
Jenny Brown's Point	Excavation of three evaluation trenches to investigate and identify remains of industrial features	North	07/11/2017	30	Training
Orford Ness, Suffolk	Historic England Level 1 buildings survey of The Street	South East	10-11/03/2018	14	Training
Pett Level submerged forest, East Sussex	Timber recording and species identification	South East	24-25/03/2018	24	Training

Key site / Location	Training description	CITIZAN centre	Date	People engaged	Training type
Crosby Battery	Recording of site of Crosby Battery and associated WW2 structures. App, planning and photogrammetry.	North	17/02/2018	6	Training
South Shields Seaplane Station	Recorded seaplane ramp with planning and app. Walked around related WW1 sites.	North	24/02/2018	8	Workshop
Photogrammetry training	Recording and modelling training in the office with volunteer.	North	14/03/2018	1	Workshop
Sutton-on-Sea	Recording of Storm Emma timbers, using app and photogrammetry.	North	15/03/2018	2	Workshop
Total engaged				1337	
Total events				120	

12 Appendix: Outreach events

12.1 List of outreach events 2015–18

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
UCL Public Archaeology MA Lecture	Lecture to UCL MA Public Archaeology students about the project	South East	01/02/2015	15	Talk/lecture
AGES Conference	Paper delivered on CITiZAN	South East	23/02/2015	20	Conference
Ipswich Maritime Trust Lecture series	LB talk at Ipswich Maritime Trust, mostly concentrating on CITiZAN's work at Maldon barge graveyard, Essex and Shotley Peninsula, Suffolk	South East	03/03/2015	88	Talk/lecture
FROG training at Greenwich	Manning a table to attract the interest of the general public to TDP/FROG activity close to the training site	National	19/04/2015	50	Stall
Thames Estuary Partnership - Thames Learning Group meeting	Key note speakers discussing CITiZAN and potential partnerships within the group	South East	23/04/2015	25	Talk/lecture
Havant Spring Talk	Talk in association with Roman Havant presentation	South West	23/04/2015	60	Talk/lecture
ERAS (East Riding Archaeological Society) Field Studies	Presentation on CITiZAN and volunteer sign up	North	06/05/2015	20	Talk/lecture
Spring Tide, Hive Beach	Food Festival at Hive Beach	South West	17/05/2015	30	Stall
CBA London Archaeology Forum	Lecture to local archaeological society	South East	21/05/2015	40	Talk/lecture
Beyond the seas Symposium	Lecture at day conference in Southampton	South West	30/05/2015	30	Conference
Dearne Valley Archaeology Day	Presentation on CITiZAN, CITiZAN stall and volunteer sign up	North	30/05/2015	42	Talk/lecture
Southend Maritime Festival	Stall at a public event	South East	06/06/2015	50	Stall
World Archaeology Festival at UCL	Talking to attendees at the festival	South East	13/06/2015	10	Stall

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Thames Estuary Partnership Summer event	Networking and advocacy event at the House of Commons, Westminster	South East	25/06/2015	100	Networking
Filey Guides, Filey, Yorkshire	Introduction to intertidal archaeology through games and activities.	North	25/06/2015	10	Other
SEEVIC 6th Form College, Essex	A talk on working in archaeology for students about to start Archaeology A Level	South East	07/07/2015	15	Talk/lecture
National Trust Coastal festival	Did the Romans settle here? Archaeology day at Golden Cap, part of the National Trust Coastal Festival	South West	11/07/2015	20	Stall
Bridlington Guided walk, Bridlington, Yorkshire	A Guided walk looking at mainly the second and first world war archaeology along the coastline whilst explaining the historical background.	North	11/07/2015	5	Guided walk
Museum Gardens Stall, York, Yorkshire	Manned stall	North	13/07/2015	34	Stall
Sheffield Young Archaeologists' Club, Sheffield, Yorkshire	Introduction to intertidal archaeology through games and activities.	North	18/07/2015	10	Other
Heysham Head Guided walk, Lancashire	A Guided walk focusing mainly on the archaeological past and surveying on the surround area and St Patricks Chapel.	North	23/07/2015	21	Guided walk
Guided walk at Gosport	Guided walk on the history of Gosport led by volunteer Terry	South West	28/07/2015	6	Guided walk
National Trust Bioblitz - White Cliffs, Kent	Manning the CITiZAN Outreach stall	South East	29/07/2015	60	Stall
Senhouse Museum, Maryport	Illustrated talk on CITiZAN	North	05/08/2015	4	Talk/lecture
SEEVIC 6th Form College open evening	Talking to prospective and current students and parents about A Level Archaeology and practical opportunities	South East	06/08/2015	51	Stall
National Maritime Museum, London	Short talk with staff	South East	07/08/2015	10	Talk/lecture

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Bankside, London	Guided walk, with finds handling, on intertidal archaeology and Shakespeare's London	South East	18/08/2015	4	Guided walk
Totally Thames, London	Networking event	South East	20/08/2015	11	Networking
Hastings, East Sussex	Guided walk and talk	South East	27/08/2015	15	Guided walk
Winchelsea, East Sussex	Presentation and talks in advance of Pett Level session	South East	28/08/2015	30	Talk/lecture
Chichester AONB countryside day	Outreach event as part of Chichester Harbour key site	South West	05/09/2015	28	Stall
National Trust Bioblitz - Blakeney, Norfolk	Manning the CITiZAN Outreach stall	South East	05/09/2015	12	Stall
EAA lecture, Glasgow	Paper delivered to EAA Glasgow in the session: Engaging the public with archaeology threatened by climate change	National	05/09/2015	40	Conference
Uncover history at Fort Brockhurst	Manned stall; as part of the Gosport Heritage Open Days	South West	12/09/2015	40	Stall
Quaternary Research Association, Kendal	Paper delivered to Sea Level and Coastal Change (SLaCC) research group conference	North	16/09/2015	32	Conference
ERAS Lectures, Hull	Round-up of archaeological work in the area	North	16/09/2015	48	Talk/lecture
Meeting of SCOPAC members	20 minute presentation to members of the 'Standing Conference on Problems Associated with the Coast'	South West	18/09/2015	30	Conference
Isles of Scilly Community Archaeology Group lecture	Evening lecture at the Isles of Scilly Museum	South West	21/09/2015	8	Talk/lecture
Marine Conservation Society Beach Clean - Shingle Street, Suffolk	Volunteering with MCS on a beach clean with promo talk at the end	South East	21/09/2015	9	Other
Cornwall Archaeology Society lecture	Evening lecture to members and non-members	South West	24/09/2015	18	Talk/lecture
Severn estuary partnership forum	Manned stand at the forum with HLF Forgotten Landscapes Project	South West	29/09/2015	130	Stall
Isle of Wight	Site visits with National Trust volunteers	South West	05/10/2015	15	Guided walk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Turn the Tide: CITiZAN Conference	The Annual CITiZAN conference that hosted talks from various professionals/volunteers doing work/research in the coastal and intertidal zone.	North	10/10/2015	40	Conference
York University Seminars	An evening lecture at the University of York evening seminars	North	14/10/2015	14	Talk/lecture
Natural England Webinar	Presentation to NE national coastal staff through a webinar	South West	15/10/2015	31	Talk/lecture
Langstone Harbour Board Open Forum	Presentation at the annual harbour board open forum	South West	15/10/2015	43	Talk/lecture
Thames Archaeology Day (Southend)	Illustrated talk	South East	17/10/2015	35	Talk/lecture
Birling Gap site drawing Guided walk	Guided walk with Brighton University 2nd year BA Arts and Humanities students	South East	20/10/2015	20	Guided walk
Maldon History and Archaeology Group (Essex)	Illustrated Talk	South East	21/10/2015	7	Talk/lecture
Bridlington Guided walk	The second Guided walk along the Bridlington coastline.	North	26/10/2015	6	Guided walk
MOROL conference	Paper delivered at annual conference for the Welsh Historical Maritime Society.	North	31/10/2015	31	Conference
West Kirby Metal Detecting Society	Talk at the WKMDC in Birkenhead.	North	05/11/2015	36	Talk/lecture
Cliffe At Hoo Historical Society (Kent)	Illustrated Talk	South East	07/11/2015	10	Talk/lecture
Transforming the Thames annual forum	Paper delivered on citizen science and CITiZAN	National	11/11/2015	40	Conference
Friends of Cleethorpes	Talk on CITiZAN and the Submerged landscape at Cleethorpes.	North	14/11/2015	40	Talk/lecture
Brownsea Island	Talk to National Trust volunteers	South West	17/11/2015	15	Talk/lecture
Newcastle YACtoo	Introduction to CITiZAN and skills archaeologists use.	North	21/11/2015	5	Talk/lecture
Past Explorers Conference, British Museum (London)	Conference	South East	23/11/2015	21	Conference

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
ALGAO Maritime committee	Paper on CITiZAN data collection and project progress update	National	02/12/2015	7	Conference
UCLan research seminar series	Lecture to general public and academics introducing CITiZAN, with a focus on upcoming events in the northwest	National	03/12/2015	15	Talk/lecture
UCLan Professional Practice (3rd year module)	Academic lecture on CITiZAN and community archaeology in a commercial setting to 3rd year undergraduates	National	03/12/2015	20	Talk/lecture
TDP Foreshore Forum	Two papers delivered on CITiZAN and work carried out in the lower Thames Estuary	South East	05/12/2015	65	Conference
HER Winter Forum	Paper on CITiZAN data collection and deposition strategies	National	08/12/2015	72	Conference
York Young Archaeologists' Club	Outreach session geared for young people	North	09/01/2016	15	Other
Lecture: Havant college	Session with A-Level students	South West	13/01/2016	10	Talk/lecture
Leeds Young Archaeologists' Club	Outreach session geared for young people	North	16/01/2016	14	Other
Employability Workshop at Bradford University	Talk given to workshop on skills development	North	25/01/2016	40	Talk/lecture
Lecture: South Downs College	Two sessions with A-Level students about the project and coastal archaeology	South West	27/01/2016	23	Talk/lecture
Friends of Cleethorpes Talk	Talk given to local society on fieldwork updates	North	30/01/2016	32	Talk/lecture
Northumberland Archaeological Group Talk	Talk given to local society on the project and upcoming event dates	North	10/02/2016	24	Talk/lecture
Friends of Cleethorpes Guided walk	Guided walk of the submerged landscape at Cleethorpes key site	North	27/02/2016	18	Guided walk
Morecambe Bay Partnership Conference	Stall at the Morecambe Bay Partnership conference	North	03/03/2016	40	Stall
Guided dog walk	Guided dog walk on Studland Beach	South West	12/03/2016	6	Guided walk
UCL Public Archaeology undergraduate Lecture	Lecture to UCL Public Archaeology undergraduate students about the project	National	14/03/2016	40	Talk/lecture

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
North East Lincolnshire Archaeology and Local History Society Talk	Talk given to local society	North	15/03/2016	28	Talk/lecture
Sussex Archaeology Symposium	Co-delivered a paper with Dr Scott Timpany about our work at the submerged forest, Pett Level	South East	19/03/2016	176	Conference
SSEVIC 6th Form College	OH presented the project to students studying A Level archaeology. Delivered in partnership with Coal House Fort where we'll be working on site with students again in July	South East	22/03/2016	15	Talk/lecture
Cannon Street, London	Guided walk of City of London for the TDP FROG training course	National	25/03/2016	35	Guided walk
Lepe Clean for the Queen	Took part in the Lepe clean for the Queen event	South West	04/03/2016 – 05/03/2016	18	Other
Remembering D Day	Discovery day run by Lepe Country Park- Stall event	South West	05-06/06/2015	10	Stall
Exploring Forton Lake Vessels	Guided walks for the Gosport Heritage Open Days	South West	10-12/09/2015	44	Guided walk
Theoretical Archaeology Group (TAG) Conference, Bradford	Two papers delivered on CITiZAN and working with young people	National	14-16/12/2015	23	Conference
Theoretical Archaeology Group (TAG) Conference, Bradford	Proposed and lead session "Young people in archaeology"	North	14-16/12/2015	23	Conference
Ships and Shorelines	Paper delivered at a conference at the University of Southampton	South West	16-18/10/15	50	Conference
New Forest Festival of Archaeology	Manned stall; as part of the Festival of Archaeology	South West	18-19/07/15	140	Stall
Jenny Brown's Point outreach, Silverdale, Lancashire	Conversations with passers-by while site work training was undertaken.	North	19-20/06/2015	6	Other
NAS and SPMA Conference	Manned stall and displayed poster at joint conference of the NAS and SPMA; CITiZAN leaflets included in all conference packs	South West	21-22/11/15	200	Stall

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Heysham Head outreach, Lancashire	Conversations with passers-by while site work training was undertaken.	North	24-25/07/15	57	Other
Coastal Archaeology on Brownsea Island	Manned stall; as part of the Festival of Archaeology	South West	24-26/07/15	90	Stall
Festival of Archaeology, Maldon, Essex	Taster sessions of archaeology and Drone (SUAV) flight demo	South East	24-26/07/2015	10	Other
NAS Training Event	Greenwich foreshore in collaboration with the TDP	South East	3-4/10/2015	9	Talk/lecture
Poole Maritime Trust AGM	Guest speaker at the PMT AGM	South West	12/04/2016	12	Talk/lecture
Rathcroghan conference	Paper delivered at community archaeology conference	South West	16/04/2016	38	Conference
Plymouth Coastal Observatory 10 year conference	Speaking slot and display at the PCO ten year anniversary conference	South West	19/04/2016 – 20/04/2016	100	Conference
Hayling Island walk with CDAS	Walking part of the Billy Trail with CDAS	South West	18/05/2016	9	Guided walk
Brean Down Guided walk 1	Guided walk for members of the public	South West	17/06/2016	6	Guided walk
Brean Down Guided walk 2	Guided walk for members of walking group	South West	18/06/2016	12	Guided walk
Brean Down Guided walk 3	Guided walk for members of the public	South West	19/06/2016	16	Guided walk
Birling Gap Guided walk	National Trust Guided walk to SS Oushla	South East	29/05/2016	27	Guided walk
Thames Guided walk	Guided walk on Shakespeare and the River and a foreshore cleanup on the Thames with the University of California alumni group	South East	23/04/2016	6	Guided walk
CifA conference paper	Paper entitled 'All Plain Sailing? Lessons in setting up Community Archaeology Projects'	South East	20-22/04/16	50	Conference
Shotley App walk	Beta testing walk of the CITiZAN App with a group of volunteers	South East	24/03/2016	6	Guided walk
Heybridge Basin, Essex - informal app walk	A walk to the hulk assemblage at Heybridge basin for an informal practical session with the app, with volunteers from the weekend's training event	South East	16/05/2016	3	Guided walk
CBA South East Guided walk	Guided walk of the Pett Level site	South East	04/06/2016	8	Guided walk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Thames sailing barges illustrated talk	A talk and tour on board the Thames Sailing Barge Trust's barge Pudge	South East	21/06/2016	12	Talk/lecture
CifA conference paper	Paper called "Diversifying the future of community archaeology: ethnicity, disability and affluence."	North	20-22/04/16	40	Conference
Friends of Cleethorpes talk	A talk on the submerged prehistoric landscape at Cleethorpes	North	23/04/2016	57	Talk/lecture
Friends of Cleethorpes walk	A walk around the submerged prehistoric landscape at Cleethorpes	North	04/06/2016	6	Guided walk
Guided walk at South Landing	A Guided walk around the archaeology of South Landing including a post-medieval pier and military defences	North	22/06/2016	4	Guided walk
Auburn Sands Pillbox workshop	A workshop on the military defences and training in recording a newly rediscovered pillbox	North	24/06/2016	2	Guided walk
Lecture	Lecture on Thames wrecks: the Gresham Ship to St Albans Archaeology Society	National	05/04/2016	70	Talk/lecture
Thames Waterfront Guided walk	Guided walk as a part of TDP training	National	24/04/2016	25	Guided walk
Historic port of London lecture	Lecture as a part of TDP training	National	26/04/2016	25	Talk/lecture
Lecture, WEAG	Thames at War lecture (includes foreshore archaeology studies) to West Essex Archaeology Group	National	09/05/2016	70	Talk/lecture
Lecture, CVAS	Lecture to Chess Valley Archaeology Society	National	19/02/2016	50	Talk/lecture
Guided walk, Thames	Archaeology of the foreshore Guided walk with UCL year 1 undergrads, all within the 18-25 age group	National	10/03/2016	50	Guided walk
Thames Waterfront Guided walk	Guided walk as a part of TDP training	National	25/03/2016	25	Guided walk
Historic port of London lecture	Lecture as a part of TDP training	National	26/03/2016	25	Talk/lecture
Tennyson Down	Evening talk, as a part of FOBA	South West	22/07/2016	28	Talk/lecture
Tennyson Down	Lunchtime talk, as a part of FOBA	South West	23/07/2016	14	Talk/lecture
Tennyson Down	Site Tour 1, as a part of FOBA	South West	22/07/2016	3	Guided walk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Tennyson Down	Site Tour 2, as a part of FOBA	South West	23/07/2016	8	Guided walk
Tennyson Down	Site Tour 3, as a part of FOBA	South West	24/07/2016	7	Guided walk
Tennyson Down	Information stand	South West	22/07/2016 - 24/07/2016	33	Stall
Marine Wonders, Lepe	Information stand	South West	09/08/2016 - 10/08/2016	27	Stall
Chichester Harbour Heritage Trail	Guided walk	South West	15/08/2016	8	Guided walk
Exploring Forton Lake vessels, Gosport	Guided walk 1	South West	09/09/2016	19	Guided walk
Exploring Forton Lake vessels, Gosport	Guided walk 2	South West	10/09/2016	13	Guided walk
Landscape Survey Group Conference	Paper delivered at archaeology conference	South West	16/09/2016	90	Conference
Severn Estuary Forum	Paper delivered at Severn estuary conference	South West	22/09/2016	68	Conference
Castaway Northey Island?	Presence at weekend festival including two Guided walks with the app	South East	8-10/07/2016	40	Guided walk
Cley Next the Sea lectures	Lectures from the CITiZAN van	South East	23/07/2016	16	Talk/lecture
Outreach at Broadstairs Folk Week	A stand with local archaeology societies highlighting work and opportunities to get involved in Thanet	South East	9-10/08/2016	150	Stall
Mysteries of the Suffolk Rivers and Coast, Ipswich	An evening lecture sponsored by CITiZAN, delivered by local historian Robert Simper	South East	17/08/2016	92	Talk/lecture
Ships, Shafts and U-Boats, Eastbourne	An evening lecture sponsored by CITiZAN, delivered by Joe Seaman	South East	24/08/2016	85	Talk/lecture
Beneath the Sands, Mersea	Free Lecture	South East	08/09/2016	72	Talk/lecture
National Maritime Museum Lecture Series, London	Lecture delivered as a part of the NMM annual lecture series	South East	22/09/2016	45	Talk/lecture
CITiZAN in Essex	Lecture delivered to Maldon Archaeological and Historical Group	South East	30/09/2016	12	Talk/lecture

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Illustrated Talk for the Bay Festival	A talk on the work done at Heysham Head for the Morecambe Bay Partnership and their FOBA event.	North	30/07/2016	40	Talk/lecture
Outreach at Blyth Peat Shelf	Outreach whilst Historic England and the Bamburgh Research Group representatives took samples of wood and the peat for environmental analysis .	North	11/08/2016	14	Other
Guided walk of Cleethorpes Submerged Forest	Part of a Heritage Open Weekend event, guided tour of the Cleethorpes Submerged Forest.	North	08/09/2016	18	Guided walk
Illustrated Talk about Lincolnshire's Submerged Landscapes	First talk on submerged landscapes in Lincolnshire at Cleethorpes Town Hall as part of the Heritage Open Weekend.	North	10/09/2016	17	Talk/lecture
Illustrated Talk about Lincolnshire's Submerged Landscapes	Second talk on submerged landscapes in Lincolnshire at Cleethorpes Town Hall as part of the Heritage Open Weekend.	North	10/09/2016	15	Talk/lecture
Guided walk of Cleethorpes submerged forest	An additional walk due to demand for the Guided walk as part of the Heritage Open Weekend.	North	15/09/2016	11	Guided walk
Guided walk of Cleethorpes submerged forest	An additional walk due to demand for the Guided walk as part of the Heritage Open Weekend. Cancelled due to bad weather but a shortened walk was given to two attendees who came to site.	North	16/09/2016	2	Guided walk
Cannon Street, London	Guided walk of Cannon Street foreshore with A level students	National	23/08/2016	20	Guided walk
CITiZAN Second Annual Conference	Turn The Tide II	South West	08/10/2016	84	Conference
Talk at National Trust Archaeology Day	Lecture to National Trust on CITiZAN and work completed on NT land	South West	16/10/2016	40	Talk/lecture
North Devon Archaeology Group	Lecture to North Devon Archaeology Group on CITiZAN	South West	18/10/2016	37	Talk/lecture
MA student talk/University of Winchester	Lecture to the MA students coastal archaeology	South West	19/10/2016	9	Talk/lecture
CITiZAN and Time Truck West Quay event	Outreach with the MOLA Time Truck as part of the new West Quay extension opening	South West	10/12/2016 - 11/12/2016	368	Stall

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Land and Sea; Bishopstone Tidemills, East Sussex	Guided walk for University of Brighton Arts Faculty MA Students	South East	08/10/2016	20	Guided walk
Lecture to IOTAS, Broadstairs, Kent	Talk delivered for IOTAS (Isle of Thanet Archaeological Society) , winter lecture season	South East	28/11/2016	30	Talk/lecture
Nottingham University 3D heritage conference	Talk delivered on use of photogrammetry in bringing sites to the public	South East	13/10/2016	25	Conference
East Dean Gardeners Club Xmas Dinner	3 of our Birling Gap volunteer team gave a talk on their work over the last two years	South East	09/12/2016	80	Other
Cleethorpes Guided walk	Cleethorpes Guided walk 6 was a rescheduling of a previous walk which was cancelled due to bad weather.	North	14/10/2016	5	Guided walk
Sefton Coast Beachcombing Festival	The beachcombing festival was a stall event including a guided beach walk. There were a range of archaeological and ecological and museum stalls related to the Sefton Coast.	North	30/10/2016	30	Guided walk
Scarborough Archaeological Society	A talk for Scarborough Archaeological Society on CITiZAN and the work at Bridlington and Cleethorpes.	North	31/10/2016	62	Talk/lecture
SCAPE/NAS Conference	Andy gave a talk on CITiZAN and the site at Cleethorpes. A stall was also hosted to network.	North	05/11/16 – 06/11/16	140	Stall
MOROL Conference	Andy did a short presentation and then took part in a panel discussion on intertidal archaeology.	North	12/11/2016	34	Conference
Merseyside Archaeological Society	A talk was given for Merseyside Archaeological Society on CITiZAN and the work done on the Sefton Coast.	North	17/11/2016	18	Talk/lecture
Old Low Light talk and Guided walk	A talk was done of the Archaeology and history of lifesaving and looking at the archaeology of it in Tynemouth. After the talk a Guided walk was given by a local historian and retired coxswain of the RNLI at Tynemouth, looking at the archaeology and history of the foreshore in relation to lifesaving.	North	20/11/2016	9	Guided walk
Sefton Coast Archaeology Task Group Meeting	Talk given to the group meeting	North	06/12/2016	9	Talk/lecture

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Placement Student Work Experience	A placement student was taken on as part of their MA in Cultural Heritage Management.	North	03/12/2016 – 14/12/2016	1	Other
Heritage Alliance AGM	Talk to Heritage Alliance AGM	National	01/12/2016	50	Talk/lecture
TDP Foreshore Forum	Paper delivered at TDP foreshore forum on national context for CITiZAN and working with the Thames community	National	03/12/2016	100	Conference
Britain at Low Tide TV show	3 episodes aired on Channel 4, Saturdays at 8pm	National	19/11/2016 - 03/12/2016	1.3 million viewers each night	Media
#BritainatLowTide twitter campaign	Social media outreach campaign, live-tweeting along with Britain at Low Tide	National	19/11/2016 - 03/12/2016	109968 impressions	Media
Lecture to Havant College	One hour lecture on CITiZAN to A-Level students at Havant College	South West	11/01/2017	8	Talk/lecture
Talk to the Chichester and District Archaeology Society	Two hour evening talk to members of CDAS.	South West	25/01/2017	60	Talk/lecture
Guided walk Medina	Guided walk of the Medina (combined with app training - see above)	South West	21/02/2017	1	Guided walk
Guided walk Studland	Guided walk at Studland Beach looking at the WWII remains	South West	11/03/2017	9	Guided walk
Talk to the Poole Harbour Canoe Club	Two hour evening talk to members of the canoe club	South West	16/03/2017	45	Talk/lecture
Guided dog walk Studland	Guided dog walk at Studland Beach looking at the WWII remains	South West	25/03/2017	9	Guided walk
Talk at HAARG	An open to the public talk on CITiZAN as part of HAARG (Hastings Area Archaeological Research Group) evening meetings programme	South East	08/02/2017	20	Talk/lecture
Talk to Waveney Valley Community Archaeology	An open to the public talk hosted by Waveney Valley Community Archaeology on CITiZAN and our work nationally and in Suffolk	South East	18/02/2017	23	Talk/lecture
Lecture for Heritage Writtle	The annual lecture for Heritage Writtle, near Chelmsford in Essex on CITiZAN, co-presented with the Thame Discovery Programme	South East	21/02/2017	180	Talk/lecture
Lecture at Southwold Museum	An open to the public talk on CITiZAN's work in Suffolk, for part of Southwold Museum & Historical Society's Winter Lecture Series	South East	21/02/2017	36	Talk/lecture

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
East Coast War Channels workshop, South Foreland Lighthouse	Joint workshop at the National Trust's property by CITiZAN, Home Front Legacy and Fjordr (for Historic England)	South East	25/02/2017	8	Talk/lecture
Lecture to UCL MA Public Archaeology students	2 hour lecture on CITiZAN and public archaeology	South East	27/02/2017	15	Talk/lecture
Talk to Thames Discovery Programme	A talk for the Thames Discovery Programme as part of their volunteer training	South East	13/03/2017	40	Talk/lecture
CBA Yorkshire Annual Symposium	Talks by specialists on archaeological sites within Yorkshire	North	04/02/2017	110	Talk/lecture
Bridlington Guided walk	Guided walk looking at the military history at Bridlington	North	03/03/2017	7	Guided walk
Placement Student Work Experience	This is the second of two MA Students from the Uni of York studying Cultural Heritage Management. It is a 9 day placement.	North	20 – 30/03/2017	1	Other
Council for British Archaeology Bridlington Guided walk	A Guided walk specifically for the Council for British Archaeology at Bridlington to look at the WW1 and WW2 remains.	North	28/03/2017	11	Guided walk
Talk at Thames Maphackathon	Talk on CITiZAN data for the Thames Maphackathon	National	11/02/2017	40	Talk/lecture
UCEAP careers night panel	Participant on University of California's careers night panel	National	08/03/2017	35	Talk/lecture
Sussex Archaeology Symposium	Paper delivered at Sussex archaeology day conference	National	25/03/2017	70	Conference
Porlock Guided walk	Guided walk with Exmoor National Park of the submerged forest and other intertidal remains at Porlock	South West	07/05/2017	21	Guided walk
Conference	Presentation for Exmoor National Parks 'Getting Involved' volunteer conference	South West	07/06/2017	80	Conference
Chichester Guided walk	Guided walk for members of the CBA south east in Chichester Harbour	South West	17/06/2017	9	Guided walk
Talk for Great Bentley Historical Society	The Oldest Road on Mersea Island talk for a newly interested CITiZAN group	South East	13/04/2017	31	Talk/lecture
Walberswick Guided walk	Guided walk of Walberswick	South East	03/05/2017	9	Guided walk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Walberswick Guided walk	Guided walk of Walberswick	South East	04/05/2017	11	Guided walk
Land and Sea – exhibition private view, Barbican House, Lewes, East Sussex	Welcome talks at the private view for Brighton University Arts Faculty students work and poster at the exhibition (exhibition running until 9 July 2017)	South East	25/05/2017	40	Talk/lecture
SS Fernebo, Cromer	Site visit by teacher and 4 students from Thorpe St Andrew School and Sixth Form	South East	25/06/2017	5	Guided walk
Mersea Memories	An attempt to engage the wider Mersea community by collaborating with the local newspaper to map residents' memories of archaeology on the foreshore.	South East	25/06/2017	The paper has a circulation of 2500	Media
Conference: Post Medieval Archaeology Congress, Hull	Paper delivered on work at Earles' Shipyard, Hull	North	02/04/2017	27	Conference
Lincs Quest	A talk on the submerged forest at Cleethorpes	North	05/04/2017	31	Talk/lecture
Seaside Heritage Network Conference	A stall at the day event to promote archaeology and CITiZAN	North	24/04/2017	21	Stall
Tyne and Wear Heritage Forum	An app workshop was run as part of the days events	North	13/05/2017	42	Guided walk
North East Lincolnshire Archaeology and Local History Society Talk	A follow up talk for NELALHS on archaeology in Lincolnshire	North	16/05/2017	35	Talk/lecture
Conference: Post Medieval Archaeology Congress, Hull	Paper delivered on using social media to amplify outreach targets and convert passive viewers into actively engaged volunteers	National	02/04/2017	45	Conference
Conference: Modern Climate Change and the Practice of Archaeology, Jesus College, Cambridge	Paper delivered on using the CITiZAN app to rapidly record archaeology revealed by climate change	National	08/04/2017	26	Conference
Conference: ClFA 2017, Newcastle	Paper delivered in digital data preservation session on data created by CITiZAN app to rapidly record archaeology revealed by climate change	National	19/04/2017	24	Conference

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Cifa 2017 Conference Stall	Conference in Newcastle on many different topics surrounding archaeology	National	19-21/04/2017	50	Conference
Prehistory and ritual session and MOLA site tour	Session on coastal archaeology and evidence for ritual activity in the prehistoric period with A-level Archaeology students, followed by a tour of MOLA offices and an artefact handling session	National	24/04/2017	8	Talk/lecture
University Archaeology Day	Ran a stall at the first annual University Archaeology Day at UCL meeting prospective students	National	22/06/2017	40	Stall
Guided walk at Berry Head, Devon	Guided walk with Dr Philip Armitage of the remains of the fort at Berry Head	South West	19/07/2017	20	Guided walk
Guided tour of Fort Cumberland	App workshop and tour as part of the Festival of Archaeology	South West	29/07/2017	16	Guided walk
Marine Wonders event Lepe	Stand at event organised by the Country Park	South West	08-09/08/2017	25	Stall
Dorset Dogs Festival	Stand at event organised by Dorset Dogs	South West	12/08/2017	60	Stall
Guided walk at Forton Lake	Guided walk of hulk assemblage as part of the Gosport Heritage Open Days	South West	10/09/2017	20	Guided walk
Guided walk in Chichester Harbour	Guided walk following the heritage trail developed last year	South West	13/09/2017	31	Guided walk
Castaway Festival, Northey Island	Three app based archaeology hunts as part of the National Trust family camping weekend plus a stall	South East	08-09/08/2017	250	Guided walk
Mersea Island	Two evening lectures to coincide with work on the foreshore over the weekend	South East	29-30/07/2017	137	Talk/lecture
Lincs Quest Guided walk	A Guided walk around the submerged prehistoric landscape of Cleethorpes was given to Lincs Quest.	North	09/07/2017	14	Guided walk
Victoria Docks Outreach	A stall was put up on the promenade at Victoria Docks by Earle's Shipyard.	North	21/07/2017	47	Stall
Formby Footprints Outreach	Two days were spent on the foreshore at Formby with a member of the National Trust outreaching about footprints.	North	31/08/17-01/09/17	48	Guided walk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
Lunchtime Learning lecture	Delivered a co-lecture with the Thames Discovery Programme to MOLA staff on community archaeology and citizen science	National	20/09/2017	15	Talk/lecture
Paper delivered at EAA conference	Paper delivered on CITiZAN's Digital Toolkit in the session "Towards digital infrastructures for open, participatory, public archaeology"	National	01/09/2017	40	Talk/lecture
Bones to Drones Conference	Poster presentation at the CBA Wessex Annual Conference	South West	04/11/2017	100	Conference
Talk to Southampton Archaeology Group	Talk to the local group with the aim of setting up a survey group	South West	14/11/2017	30	Talk/lecture
Talk to Winchester University	Talk to Master's student about approaches to recording intertidal and coastal archaeology	South West	25/10/2017	28	Talk/lecture
NAS Conference, Portsmouth.	Paper delivered at NAS Annual Conference	South West	18/11/2017	150	Conference
NAS Conference, Portsmouth	Display at the NAS Conference	South West	18-19/11/17	80	Stall
Mersea Society Lecture	60 minute talk to Mersea Island society members	South East	03/10/2017	83	Talk/lecture
Bishopstone Tidemills	Land and Sea – Brighton University Arts Faculty students	South East	24/11/2017	26	Guided walk
TAG 2017	Paper delivered on at the Theoretical Archaeology Group Conference	North, South East	18-20/11/2017	30	Conference
North Shields app walk	Guided walk with members of the public around North Shields dockside to record harbour furniture	North	06/10/2017	2	Guided walk
Society for Lincolnshire History and Archaeology talk	Talk on the intertidal and coastal archaeology of Lincolnshire	North	11/10/2017	37	Talk/lecture
ERAS talk	Report on the fieldwork conducted by citizen around East Yorkshire in 2017	North	15/11/2017	47	Talk/lecture
CITiZAN/TDP Conference	Joint conference between the CITiZAN and TDP projects in London	National	29/10/2017	143	Conference
CITiZAN Talk - Midhurst Rother College	Talk about CITiZAN to GCSE level students at Midhurst Rother College	South West	10/01/2018	25	lecture
CITiZAN Talk - Barnstaple	Talk to North Devon coastwatch	South West	22/02/2018	47	talk

Key site / Location	Outreach description	CITiZAN centre	Date	People engaged	Outreach Type
CITiZAN Talk - Winchester University	Talk to the Maritime Archaeology module students	South West	13/03/2018	9	lecture
Studland WWII Guided Walk	Guided walk of the WWII remains at Studland Beach. A morning and an afternoon walk were delivered	South West	21/03/2018	26	guided walk
Talk – Barbican House Museum, Lewes	Talk about submerged forests and CITiZAN work at Pett Level to members of Sussex Archaeology Society	South East	03/01/2018	12	lecture
Presntation to local council	2 Years on the Beach – invited speaker at Essex Local Council meeting to share project progress around the county	South East	13/02/2018	41	lecture
Private view – Barbican House Museum, Lewes	Informal networking event at the opening of the exhibition of Brighton University Arts Faculty option Land and Sea	South East	22/02/2018	50	other
<i>Talk – Martyrs Gallery, Lewes</i>	<i>Talk about CITiZAN at the opening of local artist Cliff Crawford's exhibition 'Waveworn'</i>	<i>South East</i>	<i>02/03/2018</i>	<i>Cancelled due to snow</i>	<i>-</i>
Specialist evening lecture on the Mersea Mammoth	The Natural History of the Mammoth, - Free evening talk lecture in partnership with the Natural History Museum	South East	20/03/2018	186	lecture
Session for Sussex YAC at Pett Level	Guided walk followed by practical session at Pett Level submerged forest, during CITiZAN training event	South East	24/03/2016	24	guided walk
Society for Post-medieval Archaeology Congress 2018	CAT Andy Sherman gave a talk 'Pool and Prime Ministers: Earl Grey's swimming pools on the coast at Howick, Northumberland'	North	24/03/2018	27	conference
Oasis Academy Nunsthorpe school session	CAO Nick Mason and Josh Frost (TDP) gave lessons to two Year 3 (8 y/o) classes on Cleethorpes archaeology.	North	27/03/2018	65	guided walk
Presentation to Open University volunteers	Presentation on national volunteering opportunities with CITiZAN to OU student volunteers and volunteer managers	National	30/01/2018	12	lecture
Presentation to Port of London study group	Presentation on CITiZAN work in and around the Thames estuary to the PLA study group	National	26/02/2018	11	lecture
<i>Lecture to MA Public Archaeology course at UCL</i>	<i>Presentation on CITiZAN to MA Public Archaeology students, cancelled due to strike action</i>	<i>National</i>	<i>07/03/2018</i>	<i>cancelled due to strike action</i>	<i>-</i>
Total engaged				9234	
Total events				243	

13 Appendix: CITiZAN blog posts

13.1 Blog posts published on the CITiZAN website

Title	Publish date/time	Author	Contributor type
CITiZAN is live: coast to coast	24 Jul 2015, midnight	Stephanie Ostrich	Staff
Esther's archaeology road trip	7 Aug 2015, 12:45 p.m.	Esther Gill	Evaluator
CITiZAN's coastal photo contest	10 Aug 2015, 7 p.m.	CITiZAN	Staff
The South East team's first training sessions: Crowlink, Birling Gap, May and June 2015	14 Aug 2015, 2:51 p.m.	Lara Band	Staff
Outreach with Team North	18 Aug 2015, 3:22 p.m.	Megan Clement	Staff
Outreach with Team North	18 Aug 2015, 3:22 p.m.	Megan Clement	Staff
Outreach with Team North	18 Aug 2015, 3:56 p.m.	Megan Clement	Staff
Outreach with Team North	18 Aug 2015, 4:03 p.m.	Megan Clement	Staff
Coastal Contest Winner Announced!	14 Sep 2015, 5:08 p.m.	Oliver Hutchinson	Staff
Turn the Tide: First Annual CITiZAN Conference is coming to the Yorkshire Coastline	29 Sep 2015, 2:35 p.m.	Megan Clement	Staff
Archaeology 101	28 Oct 2015, 12:34 p.m.	Ken Parker	Volunteer
From Prehistoric Footprints to the First Lifeboat Station	28 Jan 2016, 11:59 a.m.	Andy Sherman	Staff
Ears to the sea: sound mirrors of south east England	12 Feb 2016, 12:02 a.m.	Lara Band	Staff
Much more than a smugglers tale: the archaeology of South Landing	10 Mar 2016, noon	Megan Clement	Staff
Defending our Isle: The military defenses at Bridlington	24 Mar 2016, 6:40 p.m.	Megan Clement	Staff
Discovering the coast of Dunster, Somerset	14 Apr 2016, 8:40 p.m.	Alex B	Staff
Lost and found!: rediscovering the Bronze Age shaft at Belle Tout	19 Apr 2016, 12:24 p.m.	Oliver Hutchinson	Staff
Red Sails in the Sunset: Thames sailing barges and their remains at Maldon, Essex	6 May 2016, 6 a.m.	Lara Band	Staff
Earles Shipyard, Hull: A volunteer's experience	7 Jun 2016, 3:14 p.m.	Ken Parker	Volunteer
The Reading Room, Beadnell	20 Jun 2016, 3:05 p.m.	Katrina Porteous	Local Historian

Title	Publish date/time	Author	Contributor type
Archaeology and well-being: a survey of volunteers	30 Jun 2016, 10:12 a.m.	Sally Gray	Volunteer
Howick: A remote coastline with a long history	14 Jul 2016, noon	Megan Clement	Staff
The excavations of Tennyson Down - following one of CITIZAN's archaeologists	1 Aug 2016, 9:53 a.m.	Alex B	Staff
Getting into intertidal archaeology	2 Aug 2016, 3:36 p.m.	John Matthews	Volunteer
Three Submerged Forests	25 Aug 2016, noon	Megan Clement and Lara Band	Staff
Orford Ness: an amazing landscape with a rich and varied history - and an extremely dynamic coastline	9 Sep 2016, 6 a.m.	Lara Band	Staff
Outreach at Blyth	16 Sep 2016, 2:30 p.m.	Angus Stephenson	Volunteer
Turn the Tide 2016: A virtual visit to the second CITIZAN conference	10 Oct 2016, 11:19 a.m.	Lara Band	Staff
The south west: the coast with the most	14 Oct 2016, 11:29 a.m.	Alex B and Lauren T	Staff
Canvey Island: Thames Delta	2 Dec 2016, 11:20 a.m.	Lara Band	Staff
The scourge of the seas: A WW1 German U-boat	6 Dec 2016, 12:03 p.m.	Oliver Hutchinson	Staff
A brief look at the Archaeology of Lifesaving in the North	15 Dec 2016, 6 a.m.	Megan Clement	Staff
A Stroll Through Time: Archaeology of the Tyne	16 Dec 2016, 6 a.m.	Angus Stephenson	Volunteer
Discovering Thanet's Coast	19 Dec 2016, noon	Rebecca Little	Volunteer
Learning all about prehistoric boats	29 Dec 2016, 6 a.m.	Eleri Newman	University of York placement student
Orford Ness revisited	27 Jan 2017, 4:16 p.m.	Lara Band	Staff
A Stroll Around Beadnell	1 Feb 2017, 1:05 p.m.	Angus Stephenson	Volunteer
The Mersea Timbers: Part One - The Discovery	14 Feb 2017, 8:58 p.m.	Oliver Hutchinson	Staff
Marine Antiquities Scheme explained	28 Feb 2017, 5 p.m.	Marine Antiquities Scheme (MAS)	Peer
The chilling remnants of the Cold War	13 Mar 2017, noon	Andy Sherman	Staff
CITIZAN at Hest Bank and Ulverston	30 Mar 2017, 12:18 p.m.	Henry Weeds	University of York placement student
Mammoth task	31 Mar 2017, 5:34 p.m.	Oliver Hutchinson	Staff

Title	Publish date/time	Author	Contributor type
What do archaeologists do when they aren't working?	11 Apr 2017, 11 p.m.	Lara Band	Staff
Crossing the Severn through the ages	22 Apr 2017, 2:10 p.m.	Alex Bellisario	Staff
The Humble Anti-Tank Block	31 May 2017, 4:30 p.m.	Megan Clement	Staff
Surveying the shipwreck of the SS Fernebo	28 Jun 2017, 9:11 a.m.	Andrew Gorton	Volunteer
An Artist Response to Orford Ness	17 Jul 2017, 10:06 a.m.	Debra Shipley	Volunteer
Exploring beyond the coastal fringe	26 Jul 2017, 4:30 p.m.	John Matthews	Volunteer
Rapid recording on Roa (Barrow-in-Furness)	4 Aug 2017, 1:43 p.m.	Megan Clement	Staff
Scarborough: The first seaside resort?	24 Aug 2017, 2 p.m.	Andy Sherman	Staff
Pett Level submerged forest recording weekend	18 Oct 2017, 11:12 a.m.	Issie Barrington	Volunteer
Turn the Tide! The third annual CITiZAN conference	31 Oct 2017, 11:54 a.m.	Lara Band	Staff
Poole Harbour D-Day Tank Landing Craft: The last of a dying breed?	6 Dec 2017, 12:18 p.m.	Nick Mason	Staff
CITiZAN sets sail for series 2 of Britain at Low Tide	8 Feb 2018, 2:10 p.m.	Stephanie Ostrich	Staff
The wrecks of Birling Gap	16 Feb 2018, 2:47 p.m.	Oliver Hutchinson	Staff
Marsden Bay: a changing coastal landscape	28 Feb 2018, 2:11 p.m.	Angus Stephenson	Volunteer
A Roman Trackway in Calshot	1 Mar 2018, 8:24 a.m.	Lauren Tidbury	Staff
Orford Ness: Recording The Street	21 Mar 2018, 12:56 p.m.	Lara Band	Staff
Return to Orford Ness - a volunteer's view	29 Mar 2018, 1:40 p.m.	Valerie	Volunteer
A wreck on Blyth beach	14 Apr 2018, 1:35 p.m.	Andy Sherman	Staff
And the nominees are...	9 May 2018, 12:04 a.m.	Stephanie Ostrich	Staff
Rapid wreck recording on the Lincolnshire coast	21 May 2018, 6:12 p.m.	Jordan Havell	Volunteer
CITiZAN wins at The Charity Awards	8 Jun 2018, 4:38 p.m.	Stephanie Ostrich	Staff
CITiZAN wins further National Lottery support	4 Jul 2018, 4:32 p.m.	Stephanie Ostrich	Staff
Update! A Roman Trackway in Calshot	5 Jul 2018, 4:57 p.m.	Therese Kearns	Staff
Defending the coast at Reighton Sands	3 Aug 2018, 2 p.m.	Chris Kolonko	Staff

14 Appendix: HLF volunteer in-kind contributions

14.1 HLF Volunteer in-kind contributions inventory

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Guy Entwistle	Landowner Research; website content population	Unskilled	2	02/07/2015	£100
Paola Palma	Assisting with Brownsea Island training, Bournemouth University	Professional	2	24/07/2015	£700
National Trust ranger	Assisting with Brownsea Island training, National Trust	Professional	1	24/07/2015	£350
Wildlife Trust ranger	Assisting with Brownsea Island training, Wildlife Trust	Professional	1	24/07/2015	£350
Bronwen Russell	Assisting with Brownsea Island training, Bournemouth University	Skilled	2	24/07/2015	£300
Gordon Le Pard	Assisting with Brownsea Island training, Bournemouth University	Skilled	2	24/07/2015	£300
Ciorstaidh Hayward Trevarthen	Dorset Finds Liaison Officer, assisting with Brownsea Island training	Professional	1	24/07/2015	£350
Alan Williams	Guided site visit to Jaywick	Professional	1	06/08/2015	£350
Alan Williams	Helping with interpretation at Maldon and logistics at Brightlingsea	Professional	1	06/08/2015	£350
Jemima Marshall	Helping with administration, and constructing resources	Unskilled	1	06/08/2015	£50
Freija Jeppesen	Helping with administration, and constructing resources	Unskilled	2	06/08/2015	£100
Scott Timpany	Assisting with Pett Level training	Professional	3	28/08/2015	£1,050
Tim Carter	Assisting with Shotley Gate training	Professional	3	18/09/2015	£1,050
Marissa Williams	Admin	Unskilled	1	26/10/2015	£50
Tom Dommet	National Trust archaeologist, assisting with Birling Gap training/outreach session	Professional	0.5	16/11/2015	£175

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Louise Buckley	National Trust ranger, assisting with Birling Gap training/outreach session	Professional	2	16/11/2015	£700
Gary Marshall	National Trust archaeologist, assisting with Isle of Wight training session	Professional	2	23/11/2015	£700
Paul Davies	National Trust ranger, assisting with Isle of Wight training session	Professional	2	23/11/2015	£700
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	6	31/12/2015	£900
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	2	31/12/2015	£300
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	12	31/12/2015	£1,800
Dean Paton	Assistance with practical element of Liverpool training	Professional	0.5	05/02/2016	£175
Rob Philpott	Assistance with practical element of Liverpool training	Professional	1	05/02/2016	£350
Katrin Porteous	Local Historian with assistance with recording the Fisher's Hut at Beadnell	Skilled	0.5	12/02/2016	£75
Alice Beasley	Local archaeologist who assisted with training D of E volunteers with Cleethorpes	Professional	1	12/03/2016	£350
Guy Bloom	Beta testing the android and apple apps	Skilled	5	31/03/2016	£750
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	25	31/03/2016	£3,750
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	10	31/03/2016	£1,500
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	3.5	31/03/2016	£525
Charlotte Mecklenburgh	Assisting with vessel recording at Maldon	Professional	2	15/05/2016	£700

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Louise Buckley	NT ranger, Guided walk at Birling Gap	Professional	1	29/05/2016	£350
Terry Hinkley	Guided walks at Gosport	Professional	0.5	21/05/2016	£175
Nick Hanks	Guided walks at Brean Down	Professional	3	19/06/2016	£1,050
Ron Stilwell	Giving a talk at Pegwell Bay training event, on hand during training	Skilled	1	24/06/2016	£150
Reka Fazekas	Assisted at Coalhouse Fort Park outreach event	Skilled	1	29/06/2016	£150
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	18.5	30/06/2016	£2,775
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	12.5	30/06/2016	£1,875
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	13	30/06/2016	£1,950
Grant Lohoar	NT ranger, lecture on history of Orford Ness	Professional	0.5	02/07/2016	£175
Nadia Bartolini	Assisting with training at Orford Ness	Professional	2.5	03/07/2016	£875
Faith Hamilton	NT Assistant Ranger	Professional	1	23-24/07/2016	£350
Angus Stephenson	Helped teach planning and section drawing	Professional	1	06/07/2016 - 22/08/16	£350
James Pullen	Drone survey of Rolls Farm and East Mersea site	Skilled	1	16/08/2016	£150
Louise Buckley	NT Assistant Ranger	Professional	1.5	22/08/2016	£525
Joe Seaman	Short lecture before Ships, Shafts and U-Boats plus organisational assistance for the event	Professional	0.5	24/08/2016	£175
John Matthews	Guided walk assistance with volunteers	Skilled	0.5	08/09/2016	£75
Ellen Heppell	Co presenter for Q and A session at Mersea Island	Professional	0.25	08/09/2016	£88
Dr Zoe Hazell	Lecture, recording at Pett Level	Professional	2	23-25/9/2016	£700
Dr Scott Timpany	Lecture, guided walk, recording training at Pett	Professional	3	23-25/9/2016	£1,050

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
	Level				
David Mason	NT ranger, lecture on history of Orford Ness	Professional	0.5	24/09/2016	£175
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	149.5	30/09/2016	£22,425
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	42	30/09/2016	£6,300
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	2	30/09/2016	£300
Eleri Newman	Placement student - resource creation, digiting plans, archival research	Skilled	9	03/12/2016-14/12/2016	£1,350
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	41.5	31/12/2016	£6,225
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	24.5	31/12/2016	£3,675
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	13.5	31/12/2016	£2,025
NT rangers	Assisting with training at Pin Mill	Professional	2	15/01/2017	£700
NT volunteers	Assisting with outreach at East Coast War Channels	Skilled	3	25/02/2017	£450
Antony Firth and Chris Kolonko	Assisting with outreach at East Coast War Channels	Professional	2	25/02/2017	£700
Henry Weeds	Placement student - resource creation, digiting plans, archival research, assisting with training events and delivering guided walks	Skilled	9	20/03/2017 - 30/03/2017	£1,350
Andrew Reynolds	Prof at UCL, delivered guided walk on ecclesiastical architecture	Professional	0.5	30/03/2017	£175
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	141	30/03/2017	£21,150

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	92	30/03/2017	£13,800
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	29	30/03/2017	£4,350
Chris Kolonko	Specialist in WW1 history, co-ran workshop on researching and recording WW1 coastal remains	Professional	2	24-25/06/2017	£700
Anthony Firth	Specialist on East Coast War Channels, co-ran workshop on researching and recording WW1 coastal remains	Professional	1	24/06/2017	£350
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	82.5	30/06/2017	£12,375
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	30.5	30/06/2017	£4,575
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	10.5	30/06/2017	£1,575
Chris Kolonko	Specialist in WW1 history, co-ran workshop on researching and recording WW1 coastal remains	Professional	1	08/07/2017	£350
Anthony Firth	Specialist on East Coast War Channels, co-ran workshop on researching and recording WW1 coastal remains	Professional	1	08/07/2017	£350
Julian Whitewright	Specialist maritime archaeologist assisting site recording with an RTK GPS system	Professional	2	12/07/2017	£700
Niall Finneran	Specialist archaeologist working with us to use an GPR system to track tunnels at Berry Head and to record the vessel at Turf Lock	Professional	5	19-23/7/2017	£1,750

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Dr Scott Timpany	Environmental Geoarchaeologist, gave a presentation at Pett Level training weekend and worked with volunteers on site to take environmental samples	Professional	2	12-13/8/2017	£700
Robert Howard	Dendrochronologist, gave a presentation at Pett Level training weekend and worked with volunteers on site to take dendro samples	Professional	2	12-13/8/2017	£700
Dr Claire Harris	Lithics specialist, gave a presentation at Pett Level training weekend and led fieldwalking at the Pett Level training event	Professional	2	12-13/8/2017	£700
Jason Stewart	Geoarchaeologist, supervised volunteers on site recording and sampling at Pett Level	Professional	1	13/08/2017	£350
Neralie Johnston	Senior archaeologist, supervised volunteers on site recording and sampling at Pett Level	Professional	1	13/08/2017	£350
Charles Johns	Cornwall Archaeology Unit - provided information and advised regarding sites on St Mary's, Isles of Scilly	Professional	3	24-27/09/2017	£1,050
Thames Discovery Programme staff x 3	TDP staff assisted with vounteer training and field walking on Isles of Scilly	Professional	3	24-27/09/2017	£3,150
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	48	30/09/2017	£7,200
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	28.5	30/09/2017	£4,275
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	2.5	30/09/2017	£375
Valerie Benmehirize	Adding evaluation sheet data to the CITiZAN database, moderating feature updates	Skilled	2	03/10/2017	£300

Volunteers	Tasks	Type	Vol Days	Dates	HLF Volunteer in-kind contributions
Pam White	National Trust ranger assisting with Middlebere event	Professional	1	04/10/2017	£350
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	31	31/12/2017	£4,650
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	27	31/12/2017	£4,050
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	2.5	31/12/2017	£375
Julian Whitewright and Pam White	RTK GPS survey of the remains at Middlebere	Professional	2	28/02/2018	£700
Lia Masur	Student placement, assisting with preliminary research into organisations to engage	Skilled	0.5	09/03/2018	£75
Valerie Boudet	Assisting with drone and GPS survey, data input into GIS	Skilled	2	20/03/2018	£300
Nick Reed	Assisting with Studland bay guided walk	Skilled	1	21/03/2018	£150
Various users	Providing survey updates via the online form and app (0.5 day per update)	Skilled	94.5	30/03/2018	£14,175
Various users	Providing new feature information via the online form and app (0.5 day per new feature)	Skilled	55.5	30/03/2018	£8,325
Various users	Editing feature information via the online form and app (0.5 day per edit)	Skilled	8	30/03/2018	£1,200
Total					£193,263

15 Appendix: Stakeholder development

15.1 List of stakeholders, groups and professionals met with

- Access Cambridge Archaeology
- Adam Daubney (Finds Liaison Officer, Portable Antiquities Scheme)
- Adam Stanford (Aerial-Cam Ltd.)
- Adam Thompson (Centre for Applied Archaeology, University of Salford)
- Adrian Lister (Natural History Museum)
- AGES AHA
- Alex Preston (National Trust)
- Alice Sheppard (ExCiteS, University College London)
- Alison James (Historic England)
- Andrea Bradley (consultant for CBA)
- Andrew Lowing (Rochford District Council)
- Andrew Mayfield (Kent County Council)
- Andrew Reid (University College London)
- Sarah Dhanjal (University College London)
- Andy Bliss (TimeScapesKent)
- Angela Broomfield (communications manager)
- Angus Stevenson (AOC Archaeology)
- Angus Wainwright (National Trust)
- Anne Boulter
- Anthony Corns and Rob Shaw (Discovery Programme, Ireland)
- Antony Firth (East Coast War Channels/Fjordir)
- Archaeology South East
- Association of Volunteer Managers
- Bank of Ireland
- Barney Sloane (Historic England)
- Beccy Scott (British Museum)
- Ben Wallace (ALGAO)
- Big Heritage
- Blue New Deal
- Bournemouth University
- Brandon Mason (Maritime Archaeology Trust)
- Brendan Hughes (Tern TV)
- Brighton University
- Carl Heron (University of Bradford Lecturer)
- Council for British Archaeology (CBA)
- Channel Coast Observatory (CCO)
- CH2M
- Charles Killick (Museum in a box)
- CHERISH
- Chester Society for Landscape Heritage
- Chichester District Archaeology Society (CDAS)
- Chichester Harbour AONB Manager
- Chris Caswell (Digventures Head of Fieldwork)
- Chris Kolonko (Home Front Legacy)
- Chris Robinson (Filey Brigg Research Group)
- CITIZAN Specialist Advisory Network
- Claire Costin (Portable Antiquities Scheme/PASt Explorers)
- Clemency Cooper (Portable Antiquities Scheme/PASt Explorers)
- Cliffe At Hoo Historical Society
- Coalhouse Fort Park
- Coastal and Offshore Archaeological Research Services (COARS)
- Colchester Recalled
- Colin Greenstreet (MarineLives, MapHackathon)
- Cornwall Archaeology Society
- Damian Goodburn (MOLA)
- Dan Atkinson (Wessex Archaeology)
- Dan Elsworth (Greenlane Archaeology)
- Danielle Newman (University of Southampton)
- Dave Chisholm (TimeScapesKent)
- David Amess (MP Southend West)
- David Hopkins (County Archaeologist, Hampshire County Council)
- David Mason (National Trust)
- David Petts (Lecturer at Durham)
- David Pybus (Hon. Keeper of Whitby Museum)
- Debbie Priddy

- Dementia friends
- Dorset Coast forum
- Dorset FLO
- Dorset HER
- Dr Claire Harris (Historic England)
- Dr David Jordan (Liverpool John Moore University, School of Natural Sciences and Phycology)
- Dr Kris Lockyear (University College London)
- Dr Mairi H Davies (Climate Change Manager, Historic Environment Scotland)
- Dr Scott Timpany (UHI)
- Dr Stuart Brookes (UCL)
- Dr Tom Irvine (University of Southampton)
- Dr Tom McGovern (City University of New York)
- Dr Zoe Hazell (Historic England)
- Duke of Edinburgh
- East and West Sussex HEROs
- East Riding Archaeological Society (ERAS)
- East Sussex County Council
- Eastbourne Borough Council
- Eileen Wilkes (Bournemouth University)
- Eleanor Ware (Countryfile Winter Diaries)
- Emily Gillespie (National Trust)
- Emily Greenaway (Heritage Engagement Officer, Thanet Coast Project of Thanet District Council)
- Emily Wright (Cambridge PhD student)
- Emma Deary (DP World)
- Emma Dwyer (University of Leicester)
- Environment Agency
- Erin Snaith (Marine Planning Consultants)
- Essex County Council
- Esther Gill
- Exmoor National Park
- Explosion Museum events manager
- Felix Riede (Aarhus University)
- Fernanda Balata (New Blue Deal)
- Fiona Haughey
- Fiona Matthews (Formby National Trust)
- Foreshore Observation and Recording Group (FROG)
- Forgotten Wrecks project
- Fort Brockhurst
- Friends of Cleethorpes
- Gabe Moshenska (UCL)
- Gary Thompson (The Crown Estate)
- Gerald Veeren (Thorpe St Andrew School and Sixth Form)
- Gez Moody (Thanet Archaeological Trust)
- Gill Bull (CBA)
- Gill Grayson (Historic England)
- Grant Lohoar (National Trust)
- Hannah Dowsett (Canterbury City Council)
- Hannah Fluck (Head of Environment Research, Historic England)
- Harold Mytum (Liverpool University, SPMA)
- Havant College
- Hayley McParland (East Midland Assistant Science Advisor)
- Hazel Sacco (Coalhouse Fort Park/Thurrock Council)
- HE Science advisors from East Midlands and Yorkshire
- Heather Hamilton, David Robertson and Clare Bradshaw (Norfolk County Council)
- Hengistbury Head visitor centre
- Henry Bexley (National Trust)
- Historic England team based at Fort Cumberland
- Historic Houses Association
- HLF Forgotten Landscapes project
- HMS Warrior
- HQS Wellington
- Hugh Corley (Historic England)
- Hugh Winfield (Archaeologist for NE Lincs.)
- Ian Barnes (Head of Archaeology, National Trust)
- Ian Rawes (London Sound Survey)
- Institute of Technology Sligo
- Ipswich Maritime Trust
- Isle of Thanet Archaeological Society (IOTAS)
- Isle of Wight Natural History and Archaeology Society

- Isles of Scilly Community Archaeology Group Chair
- Islington Museum
- James Brown (New Forest National Park)
- James Kenny (Chichester District archaeologist)
- James Kevany (Rochford District Council)
- James Morris (University of Central Lancashire)
- Jamie Davis (MOROL)
- Jane Delaney (Newcastle University, 'Capturing our Coast' project)
- Janet Miller (new MOLA CEO)
- Jennifer McCard (Zoological Society of London)
- Jess Tipper (Colchester Borough Council)
- Jessica Turner (Northumberland AONB Heritage Officer)
- Joanna Barker (Zoological Society of London)
- Joe Flatman (Historic England)
- Joe Pecorelli (Zoological Society of London)
- John Bostock (Rochford District Council)
- John Buglass (John Buglass Archaeological Services)
- John Dempsey (Sefton Coast Rangers)
- John Hindmarch (PhD research 3DImpact project, UCL)
- Jon Kenny (WEA Tutor and Freelance Community Archaeologist)
- Josh Howgego (New Scientist)
- Julian Whitewright (University of Southampton)
- Katie Rees-Gill (Atkins)
- Katrina Porteous (Historian for Beadnell)
- Keith Elliot (CBA North)
- Ken Davies (Lancs. HER)
- Ken Whittaker (Tideway)
- Kent County Council
- Kew Steam Museum
- Lancashire HER Officer
- Lancaster and District Heritage Group (LDHG)
- Land of the Fans project team
- Langstone Harbour Advisory committee
- Langstone Harbour board and RSPB
- Leigh on Sea Council
- Lepe Countryside Park
- Lepe Dowers
- Lisa Westcott (DigVentures)
- London and Middlesex Archaeology Society (LAMAS)
- London Wildlife Trust
- Louisa Matthews (Archaeology Data Service)
- Louise Martin (Morecombe Bay Partnership / H2H)
- Lower Thames Rowing Club
- Luke Potter (National Trust)
- Mags Waughman (North York Moor National Park)
- Maldon History and Archaeology Group
- Marcus Jecock (HE Senior Investigator)
- Marcus Pearson (Environment Manager for DP World, London Gateway)
- Marcy Rockman (National Parks Service (US))
- Maria Medlycott (HER Officer Essex County Council)
- Marine Antiquities Scheme (MAS)
- Marine Conservation Society
- Maritime Archaeology Trust (MAT)
- Maritime Volunteer Service
- Mark Dunkley (Historic England)
- Mark Harrison (Timescapes Kent, Historic England Heritage Crime)
- Mark Jackson (YAT Events)
- Mark Loos (Medway Swale Estuary Partnership)
- Mark Newman (NT Archaeology for North-East)
- Mark Pritchard (North West Kent Countryside Partnership)
- Mark Ruddy (Historic England)
- Martin Bell (University of Reading)
- Martin Papworth (National Trust SW)
- Martin Read (University of Reading)
- Matt Nicolas (Historic England)
- Matt Pope (UCL)
- Mersea Harbour Regeneration Trust
- Mersea Society
- Merseyside HER
- Mia Gubbay (UCL)

- Michael Lewis (Portable Antiquities Scheme/PAS Explorers)
- Mike Collins (Historic England)
- Mona Hess (Research Associate at UCL and the BM, 3D modelling)
- MP for Southend
- Nadia Bartolini (Heritage Futures)
- National Maritime Museum
- National Maritime Museum
- National Museum of Denmark
- National Trust (Birling Gap)
- National Trust (SW)
- National Trust archaeologist for Devon and Cornwall
- National Trust ranger for West Wight
- National Trust White Cliffs
- Nautical Archaeology Society (NAS)
- Neil Redfern (Historic England)
- New Forest District Council (NFDC)
- New Forest National Park Authority
- NFNPA
- Niall Finneran (University of Winchester)
- Nick Aston (Ancient Human Occupation of Britain)
- Nick Carter
- Nick De Rothschild
- Nick Mason (Archdrone)
- Nick Reed (Purbeck District Subaqua Club)
- Nick Reed (Purbeck Sub Aqua Club)
- Nicky Powell (Volunteer coordinator, Open University)
- Nigel Nayling (University of Wales)
- Norfolk County Council
- North East Lincolnshire Archaeological Society
- North East Maritime Archaeological Forum (NEMAF)
- Northumberland Archaeological Group
- Old Low Light Centre
- Paul Sherman (NE Heritage)
- Peter Holt (the SHIPS project)
- Peter Isles (Lancashire County Archaeologist)
- Peter Marsden
- Peter Marshall (Historic England)
- Peter Murphy (CDAS)
- Peter Rauxlough (MOLA)
- Phil Dyke (National Trust)
- Phil Emery (Canal and River Trust)
- Plymouth coastal observatory
- Polly Groom (CADW)
- Poole Harbour Heritage Project
- Poole Maritime Trust
- Port of London Authority
- Port of London Study Group
- Portable Antiquities Scheme
- Rebecca Griffiths (FLO for North and East Yorks. PAS)
- Richard Martin (St. Peter's Church, Heysham)
- Richard Osgood (MOD Archaeologists)
- Richie Villas (Archaeological Services Durham University)
- Rob Philpott (National Museums Liverpool)
- Rob Warburton (Fishbourne Roman Palace)
- Robb Robinson (University of Hull)
- Robert Heaton (Poole Harbour Heritage Project)
- Robert Thomas (Canterbury City Council)
- Robert Van de Noort (Reading University)
- Robin McInnes [CHERISH (Coastal Heritage Risk – Imagery in Support of Heritage Management in South West England)]
- Roderick Bale (University of Wales)
- Rollo Home (Ordnance Survey)
- Rosie Cummings (Canterbury City Council)
- Royal Institution of Cornwall
- RSPB Minsmere
- Rupert Featherby (NVQ assessor)
- Sadie Watson (NVQ assessor)
- Sally Orritt (Formby National Trust)
- Sarah Colborne (University of Brighton)
- Sarah Howard (NE Heritage at Risk Officer)
- Sarah Poppy (Historic England/CBA East)
- SCAPE
- Scarborough Archaeological Trust
- SCHARP
- SEEVIC
- Sefton Coast Rangers
- Selena Ali (University of Wales)

- Severn Estuary Stakeholders
- Sheila Stones (Historic England)
- Shorne Woods Archaeology Project
- Simon Pickles (Director of North and East Yorkshire Data Centre)
- South Downs College
- South Gloucestershire Council
- Southampton University
- Southend RNLi
- SS Great Britain
- St Johns Ambulance
- Steve Lowe (Northumberland Wildlife Trust)
- Steven Harvey
- Strutt & Parker
- Stuart Bank (National Trust)
- Studland History Group
- Sue Stallibrass (Historic England)
- Sue Wells (National Trust)
- Ingrid Samuel (National Trust)
- Simon Pryor (National Trust)
- Suffolk Archaeology CIC
- Suffolk HER officer Richard Hogget
- Susan Chandler (Society for American Archaeology)
- Sussex Archaeology Forum
- Sussex Finds Liaison Officer
- Sussex YAC
- Swanscombe Project
- Sylvia Warman (Historic England)
- Taryn Nixon
- Technopop
- Teignmouth Harbour Board
- Keith Wilkinson (University of Winchester)
- Barabara Maskell (AGES Archaeological & Historical Association)
- Terry Barclay (AGES Archaeological & Historical Association)
- Terry Hinkley (University of Winchester)
- Thames Barge Association
- Thames Discovery Programme
- Foreshore Recording and Observation Group (FROG)
- Thames Estuary Partnership
- Thames Festival Trust
- Thames Learning Group (TLG)
- Thames Sailing Barge Trust
- Thames Tideway Tunnel
- Thames Water
- Thames21
- The Southwold Museum & Historical Society
- Thurrock Council
- Tim Evans (ADS)
- Tim Howard (CIfA)
- Tim Schadla-Hall (University College London)
- Gabe Moshenka (University College London)
- Tobie Kerridge (Goldsmiths University)
- Toby Driver (RCAHMW)
- Tom Pert (RCAHMW)
- Lousie Barker (RCAHMW)
- Toby Gane (Wessex Archaeology/Marine Antiquities Scheme)
- Tom Cousins (Bournemouth University)
- Eileen Wilkes (University of Bournemouth)
- Tom Dawson (SCHARP/SCAPE)
- Jo Hambly (SCHARP/SCAPE)
- Tom Gardiner (Edinburgh University PhD Student)
- Tower Bridge
- Trevor Brigham
- Tylia Varilek (UCL MA student)
- University of Bradford Lecturers
- University of California UK Trust
- University of Southampton
- University of Winchester
- University of York Lecturers
- Vibeke Vandrup Martens (Norwegian Institute for Cultural Heritage Research)
- Victor Smith (Historic Defences Committee of the Kent Archaeological Society)
- Victoria Downes (Humber SMR)
- Victoria Herrmann (The Arctic Institute)
- Waveney Valley Community Archaeology
- West Kirkby Metal Detecting Club
- Will Fletcher
- Will Sheilds (Boskalis Westminster)
- Workers' Educational Association (WEA)
- Young Archaeologist Club (YAC)

- Yorkshire Philosophical Society
- Yorkshire Archaeological Society
- Yorkshire Wildlife Trust
- Zoe Hazel (Historic England)
- Gill Campbell (Historic England)

15.2 List of events attended as a part of stakeholder development / networking

- 'Archaeology, placemaking and art in Japan and the UK' seminar organised by MOLA
- 'Community Life Survey: What is volunteering and how should it be counted?' workshop
- 'Dive into D-Day' NT event at Studland
- 'Connecting with the Crowd' citizen science day conference
- "When, why, and how to take them" CIFA/HE workshop
- 3D Forever conference London
- ALGAO Maritime Committee meeting
- Archaeology of the North Kent Coast workshop
- Meeting organised by COARS (Coastal and Offshore Archaeological Research Services) as part of the North Devon and Cornwall Rapid Coastal Zone Assessment
- Bay Festival
- Beyond the Sea symposium
- Bloomberg London Winter Do
- CBA Archaeology Day, AGM and annual lecture
- CBA London Archaeology Forum AGMs
- CBA Wessex Annual Conference
- CBA Yorkshire Symposium
- CHAT (Contemporary and Historical Archaeology in Theory) conference
- CHERISH coastal monitoring strategies
- CHERISH project launch
- CHERISH 2018 professional seminar on Climate Change and Coastal Heritage
- Chichester Harbour Heritage Partnerships meetings
- Cifa 2017 conference
- Cifa Conference
- Cifa Critical Mass Workshop
- Coastal and maritime archaeology of the modern era (NAS/SPMA conference)
- Crossrail lectures
- Curated Decay Book Panel Discussion by AHRC Heritage Priority Area Leadership Fellow Caitlin De Silvey
- Current Archaeology Live! Awards ceremony
- Dementia Friends information session
- Digital Heritage 'Big' Data Hacking & Visualisation Workshop
- Digital Past Conference Aberystwyth
- Dearne Valley Archaeology Day (DVAD)
- EAA conference
- Environmental Samples
- European Association of Archaeologists conference, Maastricht
- Exmoor Get Involved Forum
- Flood and Coast conference
- Flood and Coastal Erosion Risk Management (FCERM) Strategies: Communities and Businesses working group meetings and webex
- Gresham College Lecture series on citizen science
- HER Winter Forum
- Heritage Alliance AGM
- Heritage Futures and Future Heritages: Rodney Harrison Inaugural Lecture
- Historic England environmental sampling event at Cleethorpes
- Historic England Marine Historic Environment Data Roles and Responsibilities Workshop
- Historic England vesting day celebrations
- Historic Environment Projects and Activities within Marine Conservation Zones Seminar
- History of Smelt Fishing on the Thames workshop by ZSL
- Honor Frost Foundation Steering Committee on Underwater Cultural Heritage Policy Forum 2016 'The Seamless Sea: joining-up marine and maritime cultural heritage for the public'

- HS2 Community and Environment Fund working group
- London and Middlesex Archaeology Society (LAMAS) lectures and AGM
- LAMAS Council meetings
- LAMAS John Stow Memorial Service and lecture
- Landscape Survey Group Conference
- Langstone Harbour Board advisory committee open forums
- Lepe Heritage Steering Group meeting
- London and Middlesex SCOPAC Meeting
- London Thames Maphackathon
- Mapping in Arts and Humanities Research Symposium
- Marine and Coastal Civil Engineering Expo
- Marine Antiquities Scheme consultation meeting
- Maritime Antiquities Scheme (MAS) launch at the British Museum
- Maritime Archaeology Trust AGM
- 'Modern Climate Change and the Practice of Archaeology' conference, Cambridge
- Morecambe Bay Partnership Conference
- MOROL (Institute of Welsh Maritime Historical Studies) conference
- MOROL conference
- NAS conference
- NEMAF (North East Maritime Archaeological Forum)
- North West Regional Research Framework for the Historic Environment launch and conference
- North-East Regional Research Framework for the Historical Environment workshop
- NT Coast & Marine Issues Group
- NT Coastal Connections coast paths and cultural heritage workshop
- 'Our Islands Our Past' conference, Orkney
- Portable Antiquities Scheme (PAS) AGM
- PAST Explorers conference
- 'Planning for Climate Change' conference
- Poole Harbour Heritage Project Seminar
- Post Medieval Archaeology Congress 2016
- Post Medieval Archaeology Congress 2017
- Post-Medieval Archaeology Congress 2018, Bristol
- 'Presence in the Past' conference at Nottingham University
- Public Archaeology twitter conference
- SCAPE / NAS conference, Glasgow
- Sefton Coast Archaeology Task Meeting
- Sefton Coast History and Archaeology Task Group Meeting
- Severn Estuary Partnership forums
- 'Ships and Shorelines' conference
- ShoreDig at Clackmannanshire Bridge, Fife with SCAPE
- Skills and Employment on the Thames (TEP summer networking event at House of Commons)
- SLaCC conference
- Smelt fishing on the Thames workshop (ZSL)
- South Cornwall RCZA Stakeholder meeting in Truro
- SPMA (Society for Post Medieval Archaeology) AGM and annual Geoff Egan lecture
- Sussex Archaeology Forums
- TAG (Theoretical Archaeology Group) conference
- TDP Foreshore Forums
- TEP day conference 'Environmental Priorities for the Thames Gateway'
- TEP summer networking events at Houses of Parliament
- Thames Archaeology Day
- Thames Discovery Programme evening lectures
- Thames Estuary Partnership (TEP) weekly lectures
- Thames Learning Group (TLG) meeting
- Theoretical Archaeology Group (TAG) Conferences
- 'Transforming the Thames' TEP annual forum
- University Archaeology Day
- University of California UK Trust careers night
- Yorkshire Alum workshop