



‘Connecting Coastal Heritage, Communities and Climate Change’
Conference

Museum of Liverpool, 5th March 2022

Conference schedule

10:00-10:10 Welcome: Opening Remarks– Global City Theatre

Caroline Barrie-Smith, CITIZAN/MOLA

10:10-11:00 The need to engage with coastal communities

Dr Antony Firth, Historic England (*Online Contributor*)

11:00-11:15 Break

11:15-13:00 Warm, wet and windy: the impact of climate change on coastal heritage

Chair: Michael J Curtis, Nautical Archaeology Society

Sarah Forgeson, University College London

Joseph Earl, University of Lancaster/Coast Watchers

Salma Sabour, University of Southampton (*Online Contributor*)

Abigail Allan, University of Oxford/National Historic Ships UK

Natalie Coffey, Dynamic Dunescape and Isabelle Spall, Formby National Trust

Clare Martynski, Time and Tide Bell

13:00-14:00 Networking Lunch- Lunch in the registration room (Education room 3)

14:00-15:30 The inevitability of loss: How understanding the historic/natural environment can help adapt to loss?

Chair: Neil Redfern, Council for British Archaeology

Tanya Venture, University of Exeter (*Online Contributor*)

Dr Louise Ann Wilson, Louise Ann Wilson Company

Alice Harvey-Fishenden, University of Liverpool

Helen Johnston, Thames Discovery Programme

15:30-15:45 Break- Refreshments in the registration room (Education room 3)

Continued overleaf

Continued

15:45-16:30 Panel Discussion: How relevant and important to tackling climate change is understanding our coastlines?

Chair: Hana Morel, CITIZAN

Tom Dawson, SCAPE (*Online Contributor*)

Dr Julian Whitewright, RCAHMW (*Online Contributor*)

Anthony Corns, CHERISH

Dr Crystal El Safadi, University of Southampton (*Online Contributor*)

16:30-16:40 Break (please note, this break will not be catered)

16:40-17:00 Hope, Imagination, Power, Change: Citizens at the interface of the past, present and future. (Closing Remarks)

Dr Sara Perry, MOLA

17:30–20:00 Post Conference drinks reception

Drinks reception to be held at Tempest on Tithebarn, 12 Tithebarn Street, Liverpool, L2 2DT.

For further details on the venue please visit: www.tempestontithebarn.co.uk .

Lunch and Refreshments

Lunch and refreshments will be served in the registration room (the museum's Education Room 3) and are included in your ticket.

Tea and coffee will be served on arrival in the registration room.

Refreshments will consist of tea, coffee, water and biscuits. Please note that the fourth break between 16:30 and 16:40 will not be catered but you are welcome to purchase refreshments from the museum's café at your own expense.

Lunch will consist of a choice between sweet potato, chickpea and spinach curry, basmati rice, naan bread and mint raita or roast mushroom and tomato ragu lasagne, followed by apple crumble and custard. Alternatively if you would like to explore Liverpool's historic waterfront there are several fantastic eateries within a 10 minute walk of the venue.

During breaks and lunchtime you are welcome to browse several stall and posters that will be located in the registration room or explore the wonderful galleries to be found within the museum.

Entrance to the conference

The conference will begin at 10:00 and attendees are welcome to arrive at the museum from 09:00 onwards, please look out for the CITiZAN team and members of staff from the Museum of Liverpool who will be able to direct you towards registration, which will be held in Education Room 3.

The CITiZAN exhibition

In 2021 we were delighted to be asked by the Museum of Liverpool to design a small exhibition highlighting some of the work of the project in Liverpool Bay. This exhibit can found in the museum atrium and is well worth investigating.



Attendee wellbeing

In order to keep everyone as safe as possible during the event, we are requesting that **all** attendees wear masks whilst at the event unless you are medically exempt (speakers may remove their mask whilst presenting), and would be grateful if all attendees take a lateral flow test on the morning of the event. If the result is positive for COVID-19, you must not attend the event under any circumstances.

Due to some of those attending either being vulnerable themselves or potentially caring for vulnerable people, if you are displaying flu-like symptoms, you will be asked to leave the event. We reserve the right to turn away anyone who is perceived to be exhibiting symptoms associated with COVID-19. Thank you for your understanding and cooperation in keeping everyone as safe as possible whilst at the event.

Social Media:

Please do tag us in your social media posts about the conference:

Twitter @CITiZAN1

Facebook @citizan1

Instagram: intertidal_archaeology

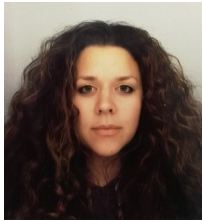
We will be using the hashtag:#ConnectingCoasts for the conference, #ClimateHeritage may also be appropriate for you to use.

Museum of Liverpool, 5th March 2022

Programme of speakers

Introductory Speaker

Caroline Barrie-Smith MOLA



Social Media: @CITIZAN1

Caroline Barrie-Smith is MOLA's Head of Audience Engagement, providing a central focus for their public facing programmes and volunteer-led projects including the Thames Discovery Programme and CITIZAN. Before joining MOLA in 2019, Caroline worked on the ground breaking Riverside Project excavations in the World Heritage Site at Stonehenge. She then continued with the National Trust as their Learning and Interpretation Officer on the Stonehenge Landscape estate. Later she became a maritime archaeologist working as an Education Officer and Exhibition Manager with Maritime Archaeology Trust, teaching the secrets and mysteries of shipwrecks and submerged settlements. After a stint at Barton Peveril College as their Archaeology Adult Learning Tutor, Caroline became the Head of Business at IBTC Portsmouth traditional wooden boatbuilding college. Caroline has a BA (Hons) in International Relations and Politics from the University of Portsmouth and a PGC in Critical Approaches to Archaeology from the University of Leicester. She has specialised in education and outreach since 2003 and is passionate about communicating archaeology to all.

Key note speech

Dr. Antony Firth, MCIfA, Head of Marine Heritage Strategy, Historic England

The need to engage with coastal communities

Social Media: @AntonyFjrth

@HE_Maritime

Dr. Antony Firth, MCIfA, is an archaeologist who started his career as a volunteer diver investigating shipwrecks and submerged prehistoric landscapes beneath the Solent. He has worked on many different aspects of coastal and marine heritage in the UK and abroad in universities, charities and the private sector. He was appointed Head of Marine Heritage Strategy at Historic England in November 2021.

Museum of Liverpool, 5th March 2022

Programme of speakers

Chairs

Michael J Curtis, Nautical Archaeology Society



Michael Curtis is a Trustee of the Nautical Archaeology Society. A professional landscape and coastal archaeologist, he is a Doctoral Researcher at the School of Archaeology & Ancient History at the University of Leicester, studying the Imperial Ports and Harbours of Crete and the development of the Provincial coastal infrastructure. Michael has been active in British archaeology for over 50 years and in Greek archaeology since the mid-1990's and is an Adult Learning tutor in Archaeology & Ancient History for Northamptonshire Adult Learning Services. Michael is actively involved in the development of coastal and foreshore archaeology as a new discipline which brings together terrestrial and underwater archaeology, and in raising the profile of coastal heritage in local and regional development planning. He is also a leading member in an international Greek-led project surveying and investigating the Roman harbour and its coastal hinterland at Ierapetra in eastern Crete.

Neil Redfern, Executive Director Council for British Archaeology



Social Media: @RedfernNeil @ArchaeologyUK

Neil Redfern is currently the Executive Director of The Council for British Archaeology, the leading independent charity promoting archaeology and the public participation in archaeology, in the UK. Prior to this role he worked for Historic England in York as Principal Inspector of Ancient Monuments and Head of Development Management for Yorkshire. He was responsible for delivery of Historic England's statutory advice on planning, Listed Building and Scheduled Monument Consent applications in the region. He has an M.Phil in Archaeological Heritage Management and Museums (University of Cambridge), and a BA (Hons) in Geography and Archaeology (University of Manchester).

He has over 20 years' experience of cultural heritage management, archaeological fieldwork, survey and assessment and museum practice through working for English Heritage, the Cambridge Archaeological Unit, the Council for British Archaeology (CBA) and the Wordsworth Trust. He is particularly interested in the practical and philosophical challenges faced in enhancing participation, securing the conservation and enhancement of heritage places and articulating their full social economic value to the wider community.

Hana Morel, Sustainability Manager, CITiZAN



Social Media: @CITiZAN1

Hana is the Sustainability Manager for MOLA's Coastal and Intertidal Zone Archaeological Network, CITiZAN. Previously, she worked as Senior Policy Advisor (Climate Change) at Historic England (2020-21), and postdoctoral Research Associate for the AHRC Heritage Priority Area (2017-2020). She developed the one-year follow on funding project, Opening New Pathways to Impact across Heritage Research, Policy and Practice, which built on her work in the AHRC Heritage Priority Area to transform and increase understanding of policies' impact on the heritage sector. Hana was awarded her PhD from University College London in 2015 where she explored the development of planning policy and archaeology in global cities and its impact on archaeology and heritage practice. Previous roles include work as researcher of international and domestic policy for Bournemouth University's Pro-Vice Chancellor (Global Engagement); archaeologist, researcher and lead for community engagement at Izmit's Nicomedia Project, Turkey; project manager of the NYC Heritage Project supported by the Landmark Preservation Commission, New York; and editor-in-chief of the journal Papers from the Institute of Archaeology.

Hana's areas of interest include urban archaeology, planning, and exploring the role of heritage critically alongside international agendas and its contribution towards addressing global challenges (with particular focus on climate action). She is also working with ICOMOS in their IPCC work, and sits on various heritage and archaeology groups such as APPAG, TAF, and RESCUE among others.

Speakers

Sarah Forgeson, Research student at University College London



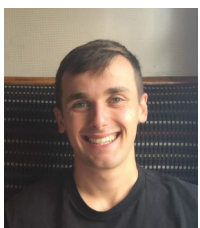
Sarah is a trained archaeologist and current research student at University College London. Her research is looking at developing sustainable heritage management strategies for local communities impacted by the climate crisis in the South Pacific. She is also working as part of the CAAL project and with ICOMOS in their IPCC work as a climate heritage specialist.

Future of island heritage in the face of the climate crisis: the challenges and opportunities of heritage management in the South Pacific.

This paper will showcase preliminary results from current PhD research that has been undertaken in the South Pacific region, more specifically with local and coastal indigenous communities. It is a direct response to growing discourse in heritage management and culture heritage studies regarding the impact of the climate crisis and current environmental collapse on heritage landscape and communities, and a recognition that little has been done to help facilitate a voice of resilience, or platform of response for island communities who face arguably the greatest immediate threat. Therefore, this paper will present specific case studies highlighting work that has been done to help develop potential strategies for the identification, documentation, and sustainable management of South Pacific coastal heritage landscapes.

Furthermore, as Western epistemologies and ontologies only tell part of the story about the climate crisis and people's interaction with and framing of their heritage, this research creatively engages with indigenous epistemologies and ontologies to ensure that the continuum of Pacific Island worldviews, knowledge, practices, and values are acknowledged and are a critical aspect to framing the research approach and outcome. The research works through ideas of loss, resilience, adaption, and connection, specifically finding means to retain, re-establish and re-connection in lieu of loss and migration, and how heritage plays a critical role in helping to critically understand new creative and collaborative means of rethinking future legacies.

Joseph Earl, PhD student at Lancaster University & Coast Watchers



Twitter: @JosephEarl20

Joseph is a third year PhD Geographer at Lancaster University, exploring the role of the Coast Watchers citizen science project on the Fylde Coast to engage people to monitor, understand and protect their local coastal environment in response to current and future coastal challenges. Consequently, his work has a strong focus on engaging the public with coastal and marine concerns, particularly around the impacts of climate change and marine litter for both the physical environment and coastal communities.

Engaging communities in understanding coastal challenges: Lessons learned from two North West case studies

Coastal areas are faced with significant current and future climate challenges, including sea level rise, an increased frequency and magnitude of storms, and an increased likelihood of coastal flooding. In developing our understanding of and resilience to these challenges, it is vital to involve and engage coastal communities, since they are the most vulnerable to their impacts.

Continued:

Consequently, approaching engagement through a collaborative approach, which develops mutual conversation between coastal communities, stakeholders, policy makers and academics will help to ensure resilience, preparation and adaptation is achieved together.

His talk explores the need to engage coastal communities collaboratively to increase awareness of the impacts of current and future coastal challenges, drawing upon the learning experiences from two coastal public engagement case studies in North West England. The first case study, the *Fylde Coast Watchers* citizen science project, demonstrates the importance of consulting people's coastal values and concerns to provide meaningful engagement. The second case study, *Morecambe Bay Timescapes*, harnesses youth voices in reimagining coastal spaces across Morecambe Bay under future climate scenarios. Joseph's presentation will discuss the challenges, opportunities and impacts that we experienced during both case studies and underline the need for future climate resilient coastal communities.

Salma Sabour, Energy and Climate change Group of the Faculty of Engineering and Physical Sciences, University of Southampton



Linkedin: https://www.linkedin.com/in/salma-sabour/?locale=en_US

Twitter: @SalmaSabourG

Webpage: https://www.southampton.ac.uk/smmi/about/our_students/salma-sabour.page

Salma is a postgraduate researcher and the PGR- Equality, Diversity and Inclusion representative of the School of Engineering. For the first 16 years of her life, she grew up in Morocco surrounded by Moroccan and Belgian culture and lived in diverse countries before coming to the UK (France, Belgium, Brazil, Nepal, Madagascar, and Colombia). Adaptation and resilience to climate change are at the centre of her career path. Her interest is in exploring the dynamics and relationships between community-based approaches and management decisions and their use in local, national, regional and international policies. Her goal is to investigate managerial and community-based climate change adaptation good practices and to understand “why and how those practices work?”. Salma is a climate activist and deeply believes in the importance of diversity in collective political actions and towards climate change resilience.

Shoreline change in coastal Natural World Heritage sites – an interdisciplinary assessment

Natural World Heritage sites are of Outstanding Universal Value, transcend national boundaries and are part of the heritage of humanity. They are threatened by natural and anthropogenic pressures such as climate change. As 42% of NWHS are coastal, they are particularly vulnerable to coastal deterioration induced by extreme weather events, flooding and erosion. In addition to the lack of on-site adaptation measures, managers and communities have different perceptions of shoreline change risk on the socio-ecological heritage values. A framework based on the combination of risk and impacts assessments was developed to allow an in-depth exploration of shoreline change risk to coastal Natural World Heritage sites using an interdisciplinary and mixed-methods approach. It concluded that the sites' natural values and human benefits in coastal NWHS are threatened like never before due to SLR commitment, the intensification of extreme weather events, and climate change effects of coastal habitats and their protective capacity.

Continued:

The intensification of shoreline changes in the future requires emergency responses when needed and integrated actions between local and international entities, governmental and non-governmental groups, protected areas managers, conservation specialists and coastal managers to support ecosystems and local communities.

Abigail Allan: School of Archaeology, University of Oxford and former intern (2020) at National Historic Ships UK



Twitter: @abi_allxn

Abigail Allan is a Second Year MPhil Classical Archaeology student at the University of Oxford, where she is also a member of the Oxford University Heritage Network. She has a range of experience working in archaeology and heritage, and is currently working within the Greek archaeological collections of the National Trust. Most pertinent to this talk is her work with National Historic Ships UK, for whom she researched and wrote their Climate Change Report (2021), described by The Heritage Alliance as a 'landmark report'. Other relevant research has concerned using satellite images to monitor climate change impacts at coastal archaeological sites in the eastern Egyptian desert, liaising with the Endangered Archaeology of the Middle East and North Africa (EAMENA) and Maritime Endangered Archaeology (MarEA) projects. Other maritime archaeological research has focused on the significance of ship-depictions in ancient Athenian pottery. She believes fully in the necessity of preparing the heritage sector for climate change.

Historic Ships and the Anthropocene

This paper will draw from and expand upon National Historic Ships UK's Climate Change Report (predominantly Vol. I), published October 2021, exploring how climate change driven weather and environmental changes will impact the UK's repertoire of historic ships. Historic ships are diverse heritage assets. Some are working heritage assets, while others are museum ships. Some are in wet docks, some dry docks. Consequently, they have diverse conservation needs. Although research has been variously undertaken into the impacts of climate change on many heritage assets, such as historic houses, these have vastly differing needs to historic ships. This paper will therefore outline the outcomes of the specific research into the effects of the changing climate on historic ships.

To conclude this paper on a more positive note, the ability of historic ships to mitigate and adapt to climate change will be briefly explored, drawing on certain case studies. This will show that, even in an uncertain and changing climate, there is hope for the future of historic ships and the heritage sector more broadly. The report can be found here: <https://www.nationalhistoricships.org.uk/page/climate-change-maritime-heritage>.

Natalie Coffey, Dynamic Dunes People Engagement Officer, Natural England



Social media: @dynamicdunes @dunesefton @NTFormby

Natalie's role is all about connecting people with the sand dunes. She works with schools, families and volunteers to help rejuvenate our sand dunes, and will also be running events on the sand dunes, keep an eye out for our Dune Den! The Dynamic Dunescapes project is a really exciting and innovative project and Natalie can't wait to hear all about your dune memories and help you make new ones!

Continued:

Isabelle Spall, Project Officer – Dynamic Dunescapes (National Trust)



Isabelle's role has been all about developing and delivering a project aimed at rejuvenating and reconnecting sand dune habitats in order for rare species that depend on them to thrive! This has involved using pioneering conservation techniques to create sustainable improvement of the conditions and processes needed to support dune habitats.

Dynamic Dunescapes, shifting sands on the Sefton Coast

Dynamic Dunescapes is an ambitious project, rejuvenating some of England and Wales' most important sand dunes for people, wildlife and communities. Many of us know and love sand dunes as beautiful coastal landscapes, but they are also important biodiversity hotspots. These dunes are a sanctuary for rare species which are perfectly adapted to live in sand. At a healthy dune, you could find orchids, toads, birds and lizards thriving!

But these special creatures are at risk. Over time, many dunes have become covered by grass and scrub which have over-stabilised the sand, and invasive species have overtaken native ones. We now know that a dune environment needs areas of freely-moving sand, healthy sheltered dune slacks and areas with low vegetation to support its diverse wildlife. We're using pioneering conservation techniques to rejuvenate the dunes and make their shifting sands the perfect home for our threatened wildlife again as well as resilient to the changing climate.

Clare Martynski, Trustee, Time and Tide Bell



Social Media: @cmartynski @timeandtidebell

Clare Martynski is a climate communication professional. With a background that traverses theatre production and sustainability consultancy, Clare is currently Communication and Engagement Officer at the Priestley International Centre for Climate. Her work involves facilitating interdisciplinary collaboration for climate solutions and translating complex research content for non-expert audiences. In 2021 she completed a PhD at the University of Leeds, exploring how encounters with interactive art shape our understanding of the world and our place in it, against a backdrop of the Anthropocene.

Time and Tide bells: chiming the climate changes around our coastline

The Time and Tide Bell comprises a series of bronze sculptural bells positioned around the UK coastline, each rung by the high tide. They celebrate and reinforce the connections between the land and the sea, between different parts of the country, between ourselves and our environment. In particular, as sea levels rise with climate change, these bells will begin to chime for longer durations, issuing a local, sonic warning of a globally relevant phenomenon. This presentation will explore the layers of meaning that the bells harbour, and reveal how they have become catalysts for other artistic activity, and of environmental exploration. It will examine how these sculptures intervene in the landscape and foster novel networks. Finally, this presentation will highlight how these structures are acting as gathering points in coastal communities for climate action.

Tanya Venture, University of Exeter and Historic England



Email: t.venture@exeter.ac.uk

Twitter: @TdoggVenture

Tanya is a final year Collaborative Doctoral Partnership PhD student with the University of Exeter and Historic England based at the Penryn Campus in Cornwall. She received her BA Archaeology undergraduate degree from Cardiff University and went on to complete a masters in Osteoarchaeology at the University of Southampton. Before starting her PhD studies Tanya worked as an archaeologist and filmmaker with the SCAPE trust.

Visualising Loss; Interactive Documentary as a tool for communicating heritage loss on the coast

Throughout history the coast has been an exciting place to live, work and visit which has led to a wealth of archaeological and built heritage presented all along the coast. However, coastal heritage is in danger of being lost through natural processes, such as erosion, and this is only going to be exacerbated further by the effects of climate change. Discussions around how to deal with assets when loss is understood to be inevitable, are only just now being addressed within the professional sector. This presentation is based on on-going PhD research exploring how the loss of heritage on the coast can be understood and communicating using interactive documentaries (i-Doc). I-Doc's combine filmmaking and non-linear storytelling to create a space where dialogues about loss can be explored. The intention is to open up conversation on this oftentimes difficult subject between heritage professionals and the wider public. The presentation will outline how the novel methodology was created from the underlying themes of loss as discussed in the paper 'Articulating Loss' to the creation of the i-Doc using the Korsakow system. Work on the i-Doc is on-going and is due to be officially released later this year.

Dr Louise Ann Wilson, Artist, Scenographer and Researcher



Social Media: @lawilsonco

Website: www.louiseannwilson.com

Dr Louise Ann Wilson is an artist, scenographer and researcher who creates site-specific walking-performances in rural landscapes that give-a-voice to 'missing' or marginal life-events – with transformative and therapeutic outcomes. Her work has addressed terminal illness, bereavement, in/fertility and involuntary childlessness, the effects of aging and the impact of change.

Each project is transdisciplinary and developed in close collaboration with people with knowledge of the chosen landscape, scientists, and experts in the field of the life-event in question *and* those experiencing it. These have included: geologists, botanists and shepherds; neuroscientists and oncologists; embryologists and women experiencing involuntary childlessness; care-home residents, palliative care nurses and fishermen.

Continued:

She is the author of the book *Sites of Transformation: Socially Engaged and Applied Scenography in Rural Landscapes* (2022). Recent performance works include *Tell it to the Bees* (2021), *Walks to Remember During a Pandemic* (2020-21), *Women's Walks to Remember: 'With Memory I was there'* (2018-19), *Dorothy's Room* (2018), *Mulliontide* (2016) and *Mulliontide: A Guide for Walkers* (2017), *Warnscale* (2015), *The Gathering* (2014) and *Fissure* (2011).

Mulliontide: Centering People and Place

'*Mulliontide* really gave me a voice'

(collaborator and performer)

In this presentation Louise Ann Wilson will talk about the making, performing and impact of *Mulliontide*, a performance-walk from Poldhu Cove to Mullion Cove in Cornwall.

Mulliontide was a site-specific work that focused on a much-loved coastal landscape and explored the places where land, sea and people met. Create with and performed by local people – care home residents, fishermen, a National Trust ranger, a palliative care nurse, needleworkers, and a choir – the performance noticed the effects of tide and time, acknowledged deep feelings for place, and recognised the challenges and impact of change – personal and topographical.

Louise will show how, moving from station to station along the coastal path, *Mulliontide* used personal landmarks, objects, physical activities, stories, songs, and photographs as autotopographical tools that gave-a-voice to residents deeply held (intergenerational) viewpoint of the landscape, and encouraged thinking about belonging, loss and repair across human, tidal, and geological scales.

Louise will share her applied and symbolic use of a three-stage palliative care process and how this process provided the structural and dramaturgical underpinning of the performance and was emplaced into the landscape. Finally, using collaborator and participant feedback, she will demonstrate how *Mulliontide* continues to make an impact through a printed guidebook and by being re-performed annually by residents who bring fresh insights and stories as their lives and the landscape they inhabit continues to change.

Alice Harvey-Fishenden, Department of Geography and Planning, University of Liverpool



Twitter: @floodanddrought @alicefishenden

Alice Harvey-Fishenden is a historical geographer, currently working on an AHRC/UK Climate Resilience Programme funded project 'CLANDAGE: Building Climate Resilience through Community, Landscapes and Cultural Heritage'. Following degrees in Anglo-Saxon, Norse and Celtic and Applied Landscape Archaeology, her PhD research (University of Liverpool 2016-2020) focused on developing a better understanding of the societal impacts of droughts in the past, and how archive documents can be used to learn more about droughts and other extreme weather conditions. In 2020 she was one of the organisers of the Environmental History Workshop for ECRs, and is currently Book Reviews Editor for *Landscape History* and Honorary Secretary of the Herefordshire Victoria County History Trust.

Continued:

Living with increasing climate variability: Understanding flooding through landscape and cultural heritage in the Eden Valley, Cumbria.

Climate and extreme weather influence the way we live, particularly the buildings we live in and the way we use resources. The area around the River Eden in Cumbria experiences repeated flooding, and was severely affected by the floods of 2015. Since extreme events are predicted to become more frequent, people in this area are going to face more flood events in the future. All watercourses have been shaped by human activity, so to form a full picture of flood vulnerability it is important to understand how communities have used and shaped watercourses through time. As part of the CLANDAGE project, we are bringing together the physical landscape evidence with historical records, including descriptions of river management and records of events in and around the river.

As part of the CLANDAGE project, we are bringing together the physical landscape evidence with historical records, including descriptions of river management and records of events in and around the river. These tell the story of how the River Eden has been modified and used over time, and document past flood events and their impacts. As part of this research, we are uncovering stories of how people lived alongside the river and coped with floods. These stories, even if they cannot prevent damage and loss, can help contextualise future scenarios, suggest ways of adapting and help people understand the risks of extreme weather.

Helen Johnston, Project Officer, Thames Discovery Programme, MOLA



Social Media: @ThamesDiscovery @helga_j

Helen is an archaeologist with the Thames Discovery Programme, recording and researching the archaeology on the Thames foreshore in Greater London. She is currently leading River Recoveries, a two-year Heritage Fund funded project to support London's communities in their recovery from the COVID-19 pandemic, by encouraging participation in foreshore activities and volunteering.

River Recoveries: Archaeology on the Thames foreshore

Since 2008 Thames Discovery Programme has worked with communities and volunteers across London to record the vanishing archaeology on the Thames foreshore. River Recoveries is a new two-year Heritage Lottery Fund funded project to reconnect riverside communities with the archaeology and heritage of the river and the underused open space on the Thames foreshore. It aims to support people with the recovery from the COVID-19 pandemic and raise awareness of the impact of climate change on the heritage of the river.

Tom Dawson, Principal Research Fellow, St Andrew's University/The SCAPE Trust



Twitter: @coastarch **Facebook** @ScotlandsCoastalHeritageAtRisk

Tom Dawson is an archaeologist with an interest in coastal heritage, community archaeology and heritage management. He is a Principal Research Fellow at the University of St Andrews and has managed The SCAPE Trust since 2000. He was formerly a Commissioner sitting on the Royal Commission on the Ancient and Historical Monuments of Scotland and a Vice President of the Society of Antiquaries of Scotland.

Dr Julian Whitewright, Senior Investigator (Maritime) Royal Commission for the Ancient and Historical Monuments of Wales



Twitter: @rjulianw @RC_Survey

Julian works as the maritime archaeologist within the Royal Commission for the Ancient and Historical Monuments of Wales. He has a twofold responsibility to maintain the maritime elements of the National Monuments Record of Wales, and to fulfil the Royal Commission's remit as a statutory consultee for marine planning within Wales. Julian grew up in Pembrokeshire in west Wales, where he now lives, and enjoys rowing, cycling, and living by the sea. He previously worked at the Centre for Maritime Archaeology at the University of Southampton and the Maritime Archaeology Trust. He has a long-standing interest in inter-tidal archaeology in all its forms, which is lucky, as his work for the Royal Commission requires the investigation of archaeological material ranging from shipwrecks to submerged forests.

Anthony Corns, Technology Manager - The Discovery Programme/CHERISH

Twitter: @DiscProg @CherishProj @anthonycorns

Anthony graduated in Geology & Physical Geography BSc (Hons) and MSc in GIS from The University of Edinburgh, Scotland in 1997 and 1999 respectively. He has been the Technology Manager for the Discovery Programme for the past 21 years and is responsible for the management of the applied technology research, including: project management, 3D data capture at a range of levels (aerial lidar, terrestrial scanning, close range scanning), GIS for cultural heritage, dataset management and archiving, metadata, promotion and dissemination of the use of technology within cultural heritage. Anthony has participated in several EU funded projects including: 3D-ICONS (CIP), ARIADNE (FP7), LoCloud (CIP), and ArchaeoLandscapes Europe (Culture 2007-2013) the E-RIHS project (H2020) in Ireland and the chairman of the European CARARE Network and member of the Europeana task force for 3D data. Anthony is currently the Discovery Programme Project manager for CHERISH

Dr Crystal El Safadi, Maritime Endangered Archaeology Project, University of Southampton



Social Media: @Crystalsafadi @MarEA_project

Dr Crystal El Safadi is a Senior Research Fellow at the University of Southampton. They are a maritime archaeologist with a background and expertise in archaeological computing. Crystal is part of the Arcadia funded MarEA (Maritime Endangered Archaeology) project, which is rapidly and comprehensively documenting and assessing, through remote sensing applications, threats to the maritime and coastal archaeology of the Middle East and North Africa. Their work focuses on managing geospatial and heritage data and undertaking both desk and field-based research that enhances knowledge of the maritime cultural heritage asset, of its state of preservation, and how best to manage it through regional initiatives and collaborations. In their archaeological research, Crystal focuses on Bronze Age and Neolithic seafaring and maritime mobility modelling.

Dr Sara Perry, MOLA, Museum of London Archaeology



Twitter: [@archaeologistsp](https://twitter.com/archaeologistsp)

Wordpress: <https://saraperry.wordpress.com/>

LinkedIn: <https://www.linkedin.com/in/sara-perry-b473aa76/>

Read publications at <https://www.researchgate.net/profile/Sara-Perry-7>

sperry@mola.org.uk

(Photo credit Rachel Saunders)

Biography

Dr Sara Perry is Director of Research and Engagement at MOLA (Museum of London Archaeology), overseeing its extensive post-excavation programmes, community initiatives, and grant-funded research. She is currently Co-Investigator (Co-I) on the AHRC/Towards a National Collection project [Unpath'd Waters: Marine and Maritime Collections in the UK](#), and a recent Co-I on the AHRC-funded [Making it FAIR project](#), working to understand the 'digital divide' during the COVID-19 pandemic. Sara was previously Senior Lecturer in Cultural Heritage Management at the University of York, where she was a co-lead on the EU-funded [EMOTIVE Project](#), and directed heritage interpretation programmes at archaeological sites around the world, including [Çatalhöyük in Turkey](#), Memphis, the capital of Ancient Egypt, and [Kilwa and Pangani in Tanzania](#). As an educator, Sara was recognised as one of JISC's 50 Most Influential Higher Education Professionals Using Social Media, and as runner up for the Times Higher Education Award for Most Innovative Teacher of the Year.

Hope, Imagination, Power, Change: Citizens at the interface of the past, present and future

It is not uncommon for the fields of archaeology and environmental studies to appeal to loss, threat, endangerment, apocalyptic or “no future” scenarios as means to draw in the attention of wider publics. The massive scale of their associated subject matter, and the often technocratic approach to managing their various “resources”, similarly tie these fields of practice together and lead to interminable challenges which, following the logic of Neimanis et al. (2015), may easily alienate and disenfranchise communities at large. As both, too, are known for their investment in citizen science, the potential for these problems to expand exponentially is palpable, testified to by a variety of critical enquiries into assorted citizen science initiatives. Drawing on a range of research from the environmental humanities to “extreme CS”, and with reference to learnings from CITiZAN and other large participatory programmes in archaeology, I reflect on the future of citizen leadership in relation to the historic environment. Herein, local and traditional knowledge, digital citizenship (in the sense of All Tech is Human's HX Report 2022), reciprocity, dialogue, and non-literacy (after Moustard et al. 2021) must be brought to the fore. I conclude by considering how we might co-design citizen archaeology/heritage programmes that explicitly manifest diverse forms of power-awareness, hope, and imagination in order to instigate transformational change on the world.

Continued:

All Tech is Human (2022) HX Report: Aligning our tech future with our human experience: <https://www.scribd.com/document/556082685/HX-Report-Aligning-Our-Tech-Future-With-Our-Human-Experience>

Moustard, Fabien et al. (2021) Using Sapelli in the field: Methods and data for an inclusive citizen science. *Frontiers in Ecology and Evolution*, 9, 638870: <https://doi.org/10.3389/fevo.2021.638870>

Neimanis, Astrida et al. (2015) Four problems, four directions for Environmental Humanities: Toward Critical Posthumanities for the Anthropocene. *Ethics and the Environment*, 20(1), 67-97: <https://doi.org/10.2979/ethicsenviro.20.1.67>

With thanks to our partners:

