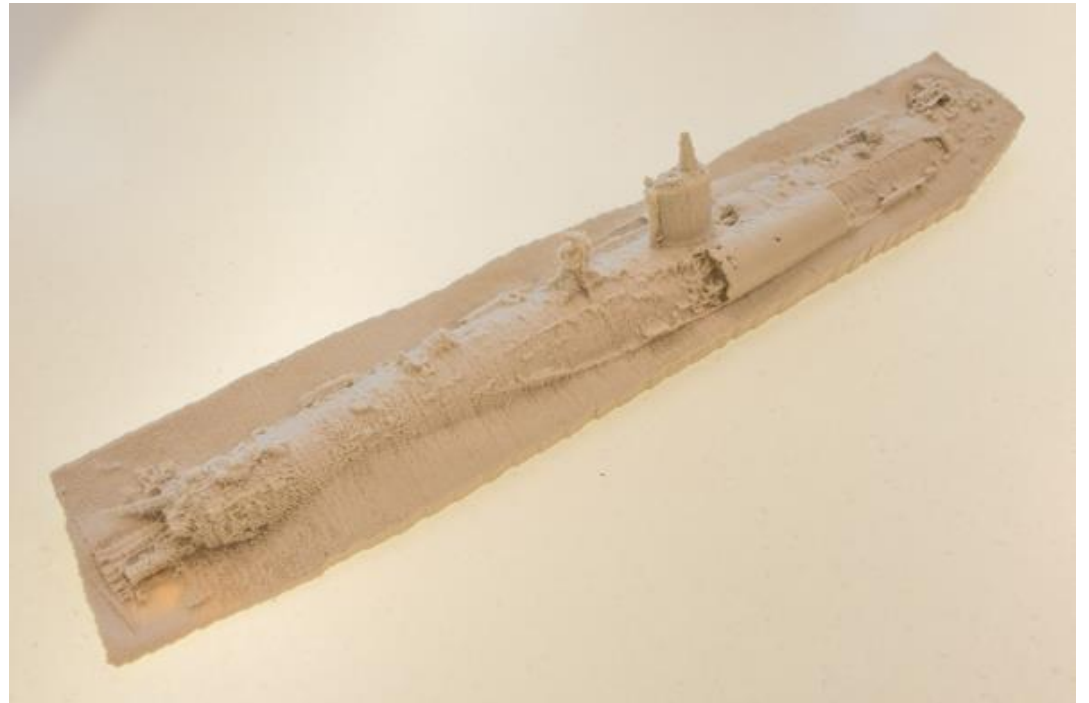
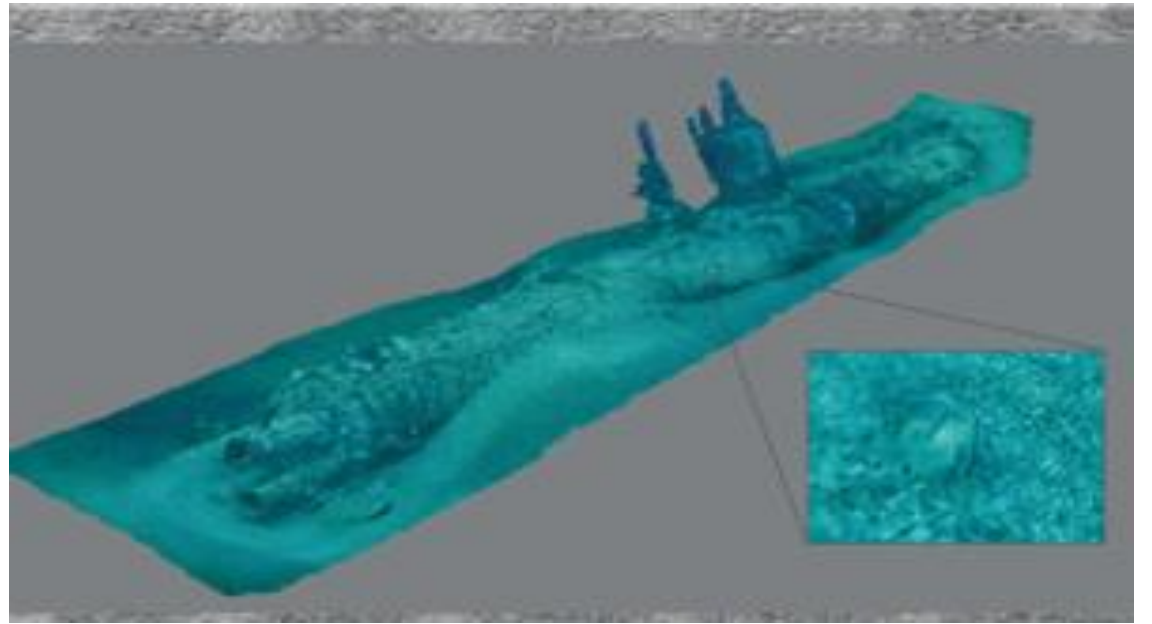
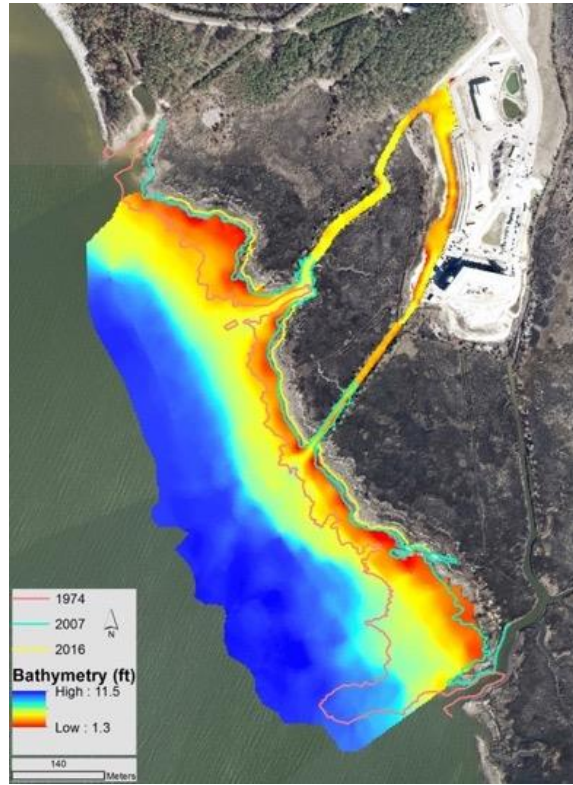
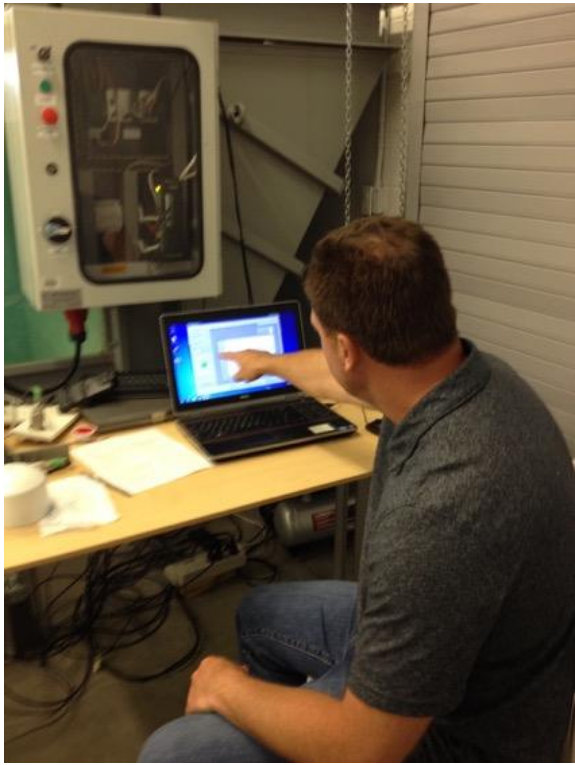
A hand is holding a large, clear, faceted crystal specimen, possibly a piece of ice or a mineral, against a dark background. The crystal has a complex, multi-faceted structure with various shades of blue and white. The text is overlaid on the crystal.

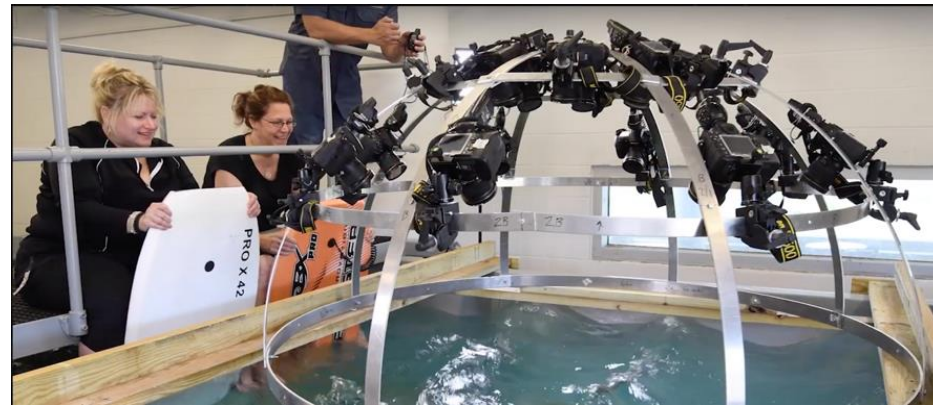
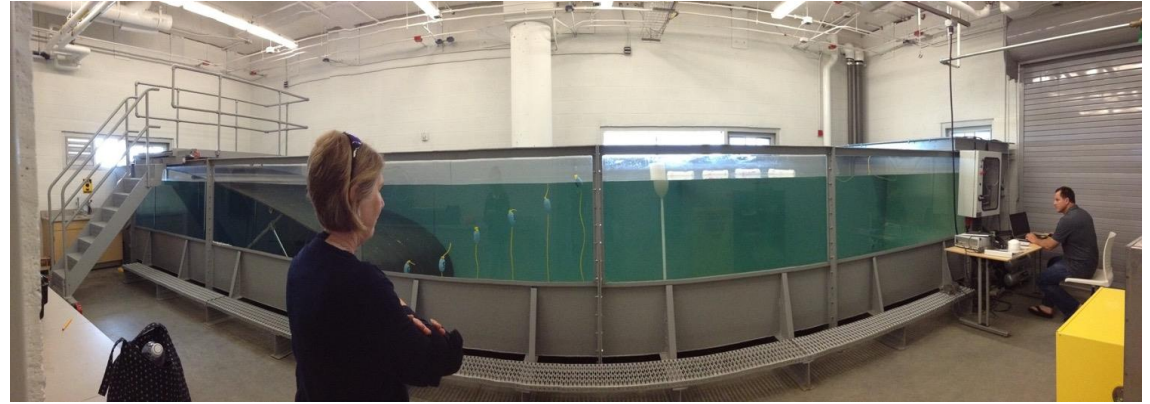
# Rutgers Climate Symposium 2023

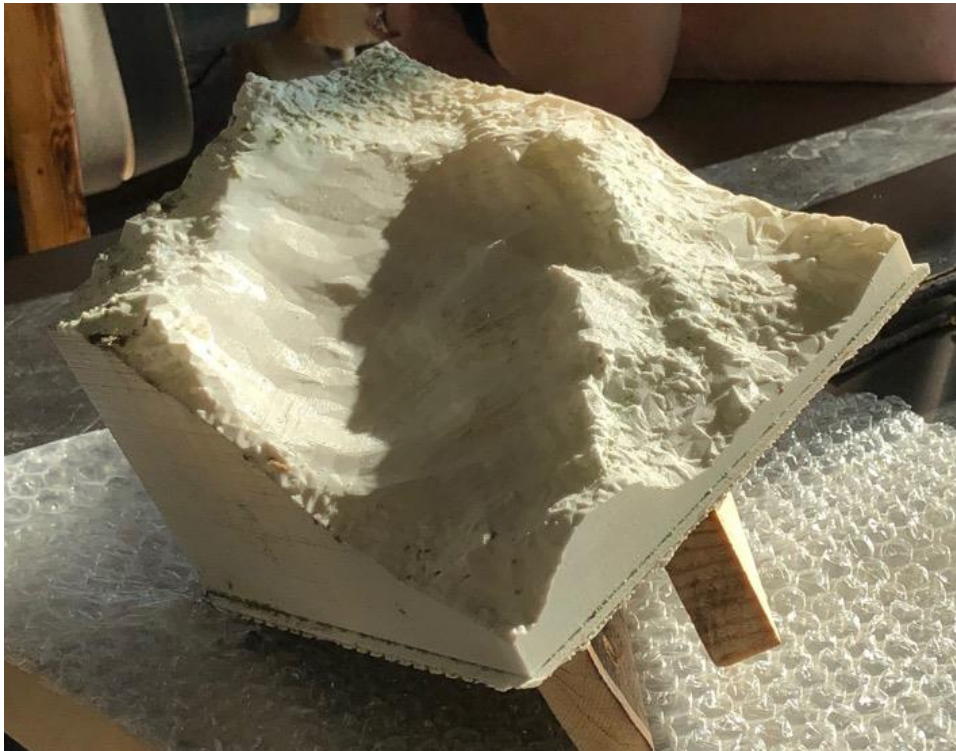
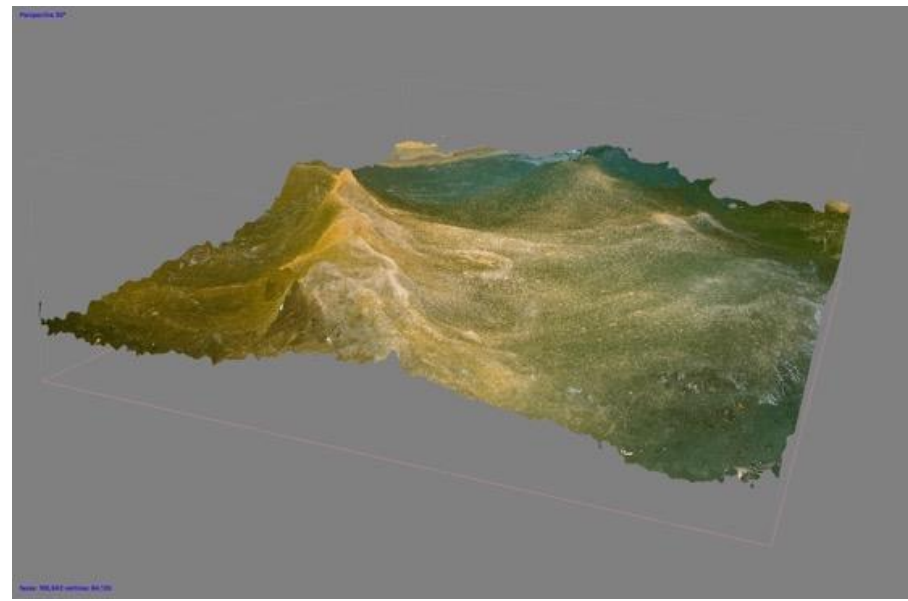
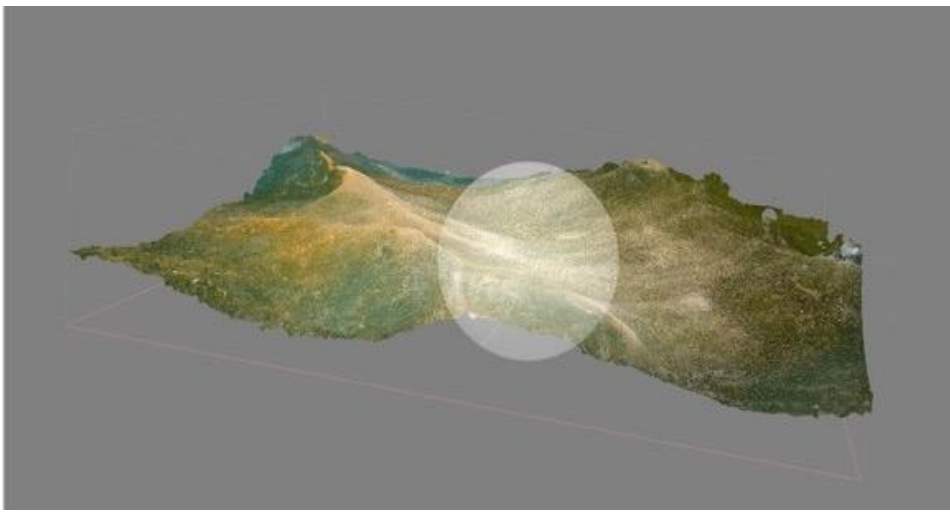
## Transdisciplinary Design and the New Climate

Lisa Beth Robinson  
Kristin Thielking









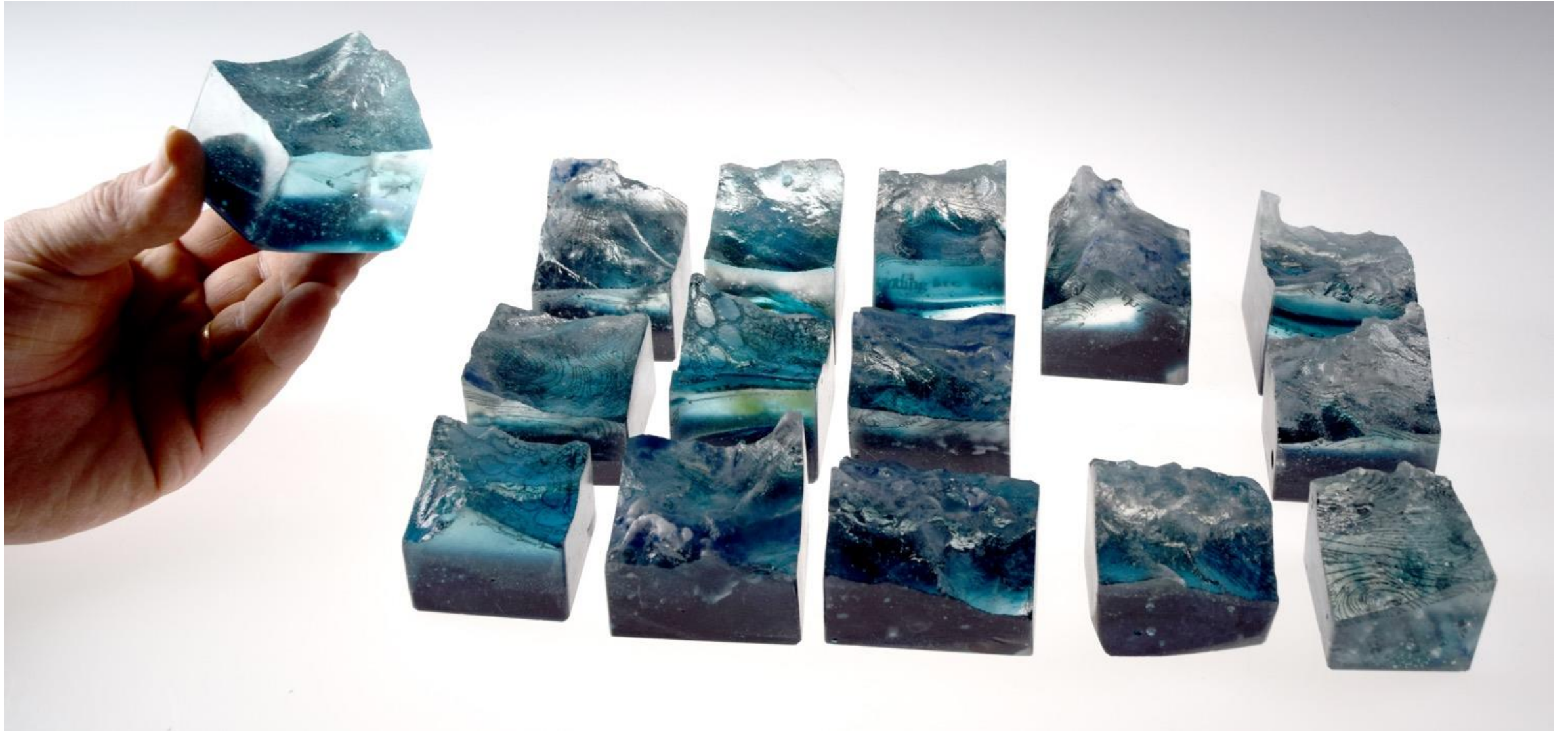
Documentation of Catching a Wave

Technology makes it possible for artists and scientists to communicate in a more impactful and memorable way by creating immersive, visceral experiences that engage the senses.



To create sustainable futures, one must be a participant. One must be a collaborator. Collaboration is essential for innovation and inherent to wholistic and inclusive design.

# Planetary Wave Project: Connections and Community



# Planetary Wave Project

<https://www.catchingawave.org/planetary-wave-project>



## The Planetary Wave Project | a virtual installation connecting all wavelets & the people who have them

The Planetary Wave project was initiated at the workshop we held in Dublin in 2019 and continued at the last workshop we held in San Diego 2020 whereby the participant received a 'wavelet' which is cut from a larger glass wave. We've asked everyone who received a wavelet either through the workshops or in other ways we connected to take a picture of themselves with the wave so we can include them in this piece. The larger glass waves, from which 9-15 'wavelets' are cut, are an exact replica of a wave of water, captured in real time using photogrammetric and highspeed imaging processes.

The nature of this virtual installation is to visualise the connection we all have in different ways with the ocean. By bringing all the 'wavelets' together in this grid we are re-creating the larger wave these small 'wavelets' were cut from as well as connecting all the people who are part of this collection. Click on any of the grid picture to find out the name of the person, their location & links if applicable.

#NotJustAPrettyWave



#PlanetaryWaveProject



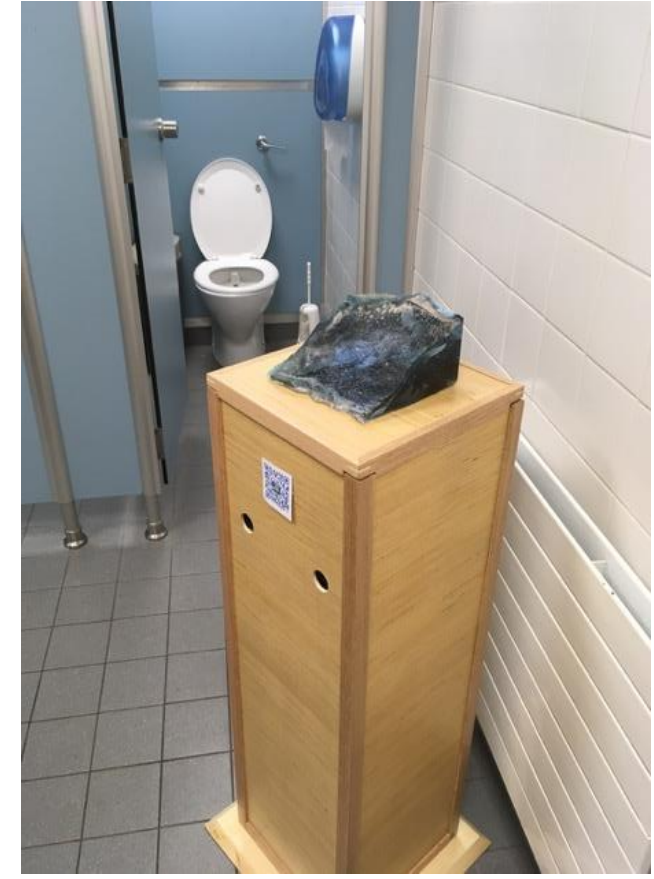
Scroll right & left using the black arrows



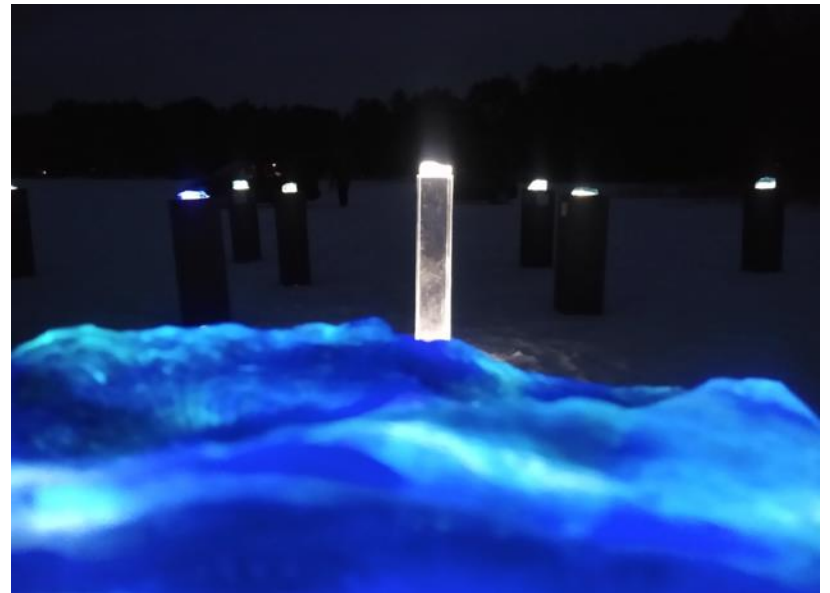
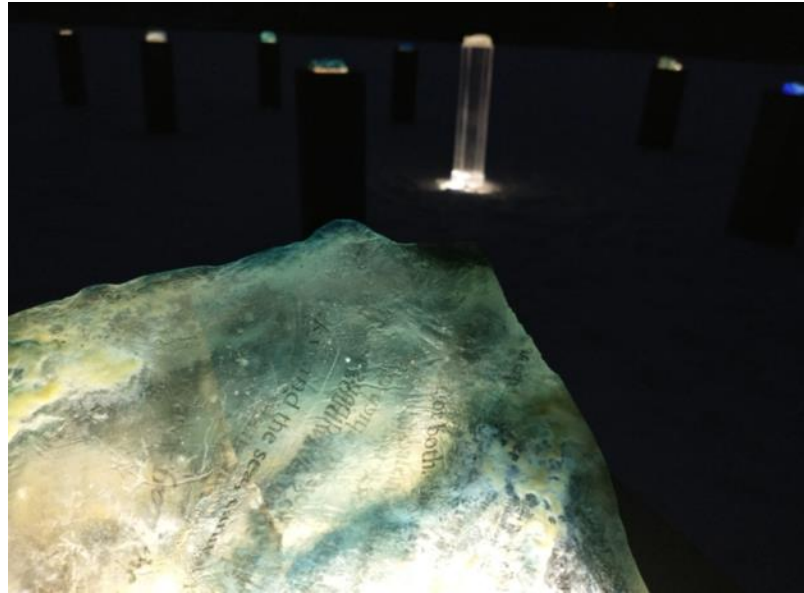


Hester Whyte, **Kinsale, Ireland**; Roy and Kathryn, **Rural Northern Ireland**; Jennifer Valko., **North Carolina, U.S.**; Jeannie Hill, **Wisconsin, U.S.**; Michael, **Wisconsin, U.S.**; Aoife, Clara, Maebh, **Crosshaven, Ireland**; Mark, **Katonah, New York, U.S.**; Tricia Ross, **Adelaide, Australia**; Martin, **Kinsale, Ireland**; Kristin, **New York, U.S.**; Kristin, Callie, Karen, **Wisconsin, U.S.**; Gavin, **Crosshaven, Ireland**

## Fostering a sense of connection with the ocean:



Locating these works in an unexpected context captures the viewer's attention and emphasizes the connection between the ocean and our everyday experiences and actions. The glass waves draw the viewer in with their beauty, mystery, and ocean sounds and illumination triggered by motion sensors. The works conjure thoughts and feelings about the ocean provoking questions about the viewer's connection with the ocean and embedding those thoughts into their consciousness and memory.



# Catching a Wave

[www.catchingawave.org](http://www.catchingawave.org)



 **frontiers**  
in Marine Science

ORIGINAL RESEARCH  
published: 19 May 2020  
doi: 10.3389/fmars.2020.00340

## Examining the Potential of Art-Science Collaborations in the Anthropocene: A Case Study of Catching a Wave

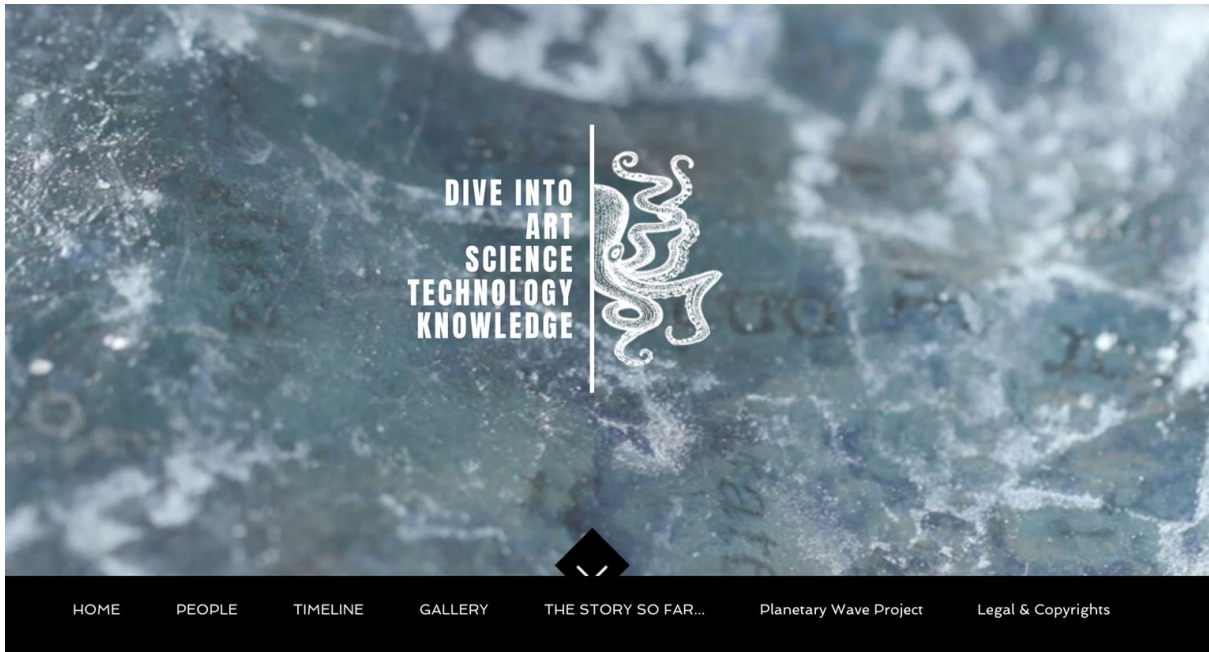
Shona K. Paterson<sup>1,2\*</sup>, Martin Le Tissier<sup>2,3</sup>, Hester Whyte<sup>2,3</sup>, Lisa B. Robinson<sup>4</sup>, Kristin Thielking<sup>5</sup>, Mill Ingram<sup>6</sup> and John McCord<sup>7</sup>

<sup>1</sup> College of Business, Arts and Social Sciences, Brunel University London, Uxbridge, United Kingdom, <sup>2</sup> International Project Office, Future Earth Coasts, MaREI, ERI, University College Cork, Cork, Ireland, <sup>3</sup> MaREI, the SFI Research Centre for Energy, Climate and Marine, Environmental Research Institute, University College Cork, Cork, Ireland, <sup>4</sup> School of Art and Design, East Carolina University, Greenville, NC, United States, <sup>5</sup> Department of Art and Design, University of Wisconsin-Stevens Point, Stevens Point, WI, United States, <sup>6</sup> Center for Integrated Agricultural Systems, University of Wisconsin-Madison, Madison, WI, United States, <sup>7</sup> Coastal Studies Institute, East Carolina University, Warchese, NC, United States

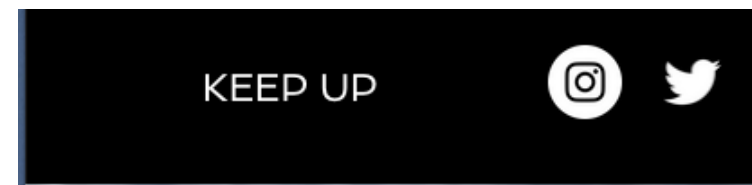
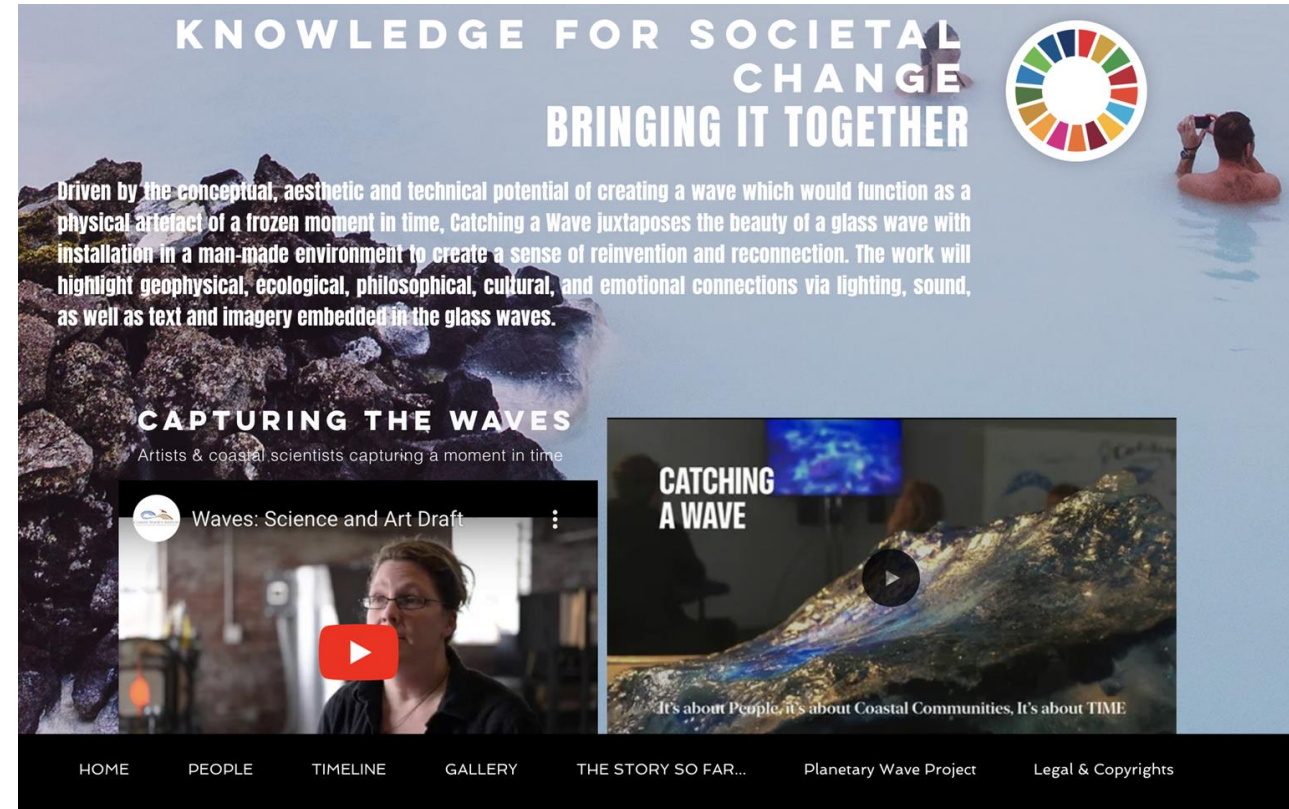
# WE ALL HAVE AN OPPORTUNITY TO CREATE CHANGE AND THIS IS HOW WE ARE DOING IT

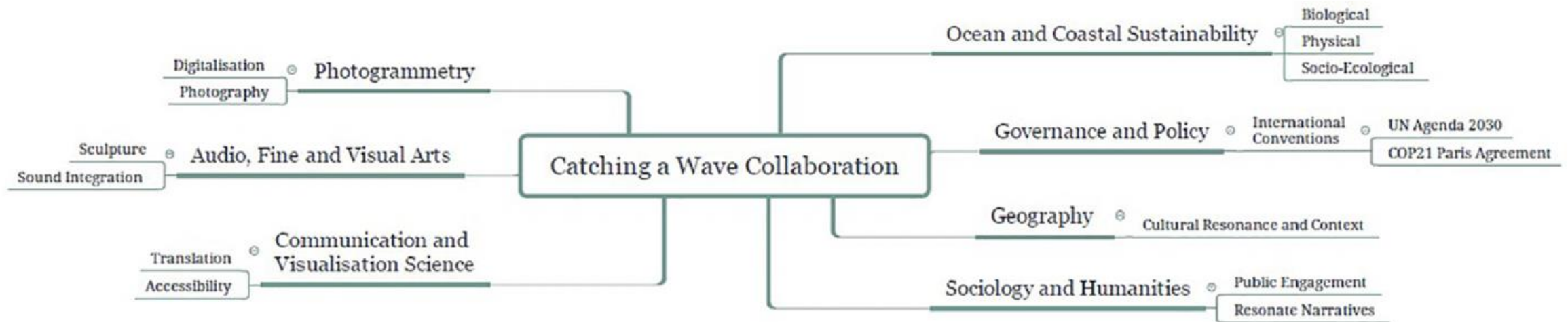
We are a group of multi and transdisciplinary researchers from universities based in the USA, UK and Ireland, combining expertise in environmental and social sciences ranging from marine biology, climate change adaptation, coastal management, science communication, geography, sociology, human well-being, fine arts, visual arts, mixed media, graphic design, film, poetry, and sculpture.

| by **catching a wave** |



<https://www.catchingawave.org/>





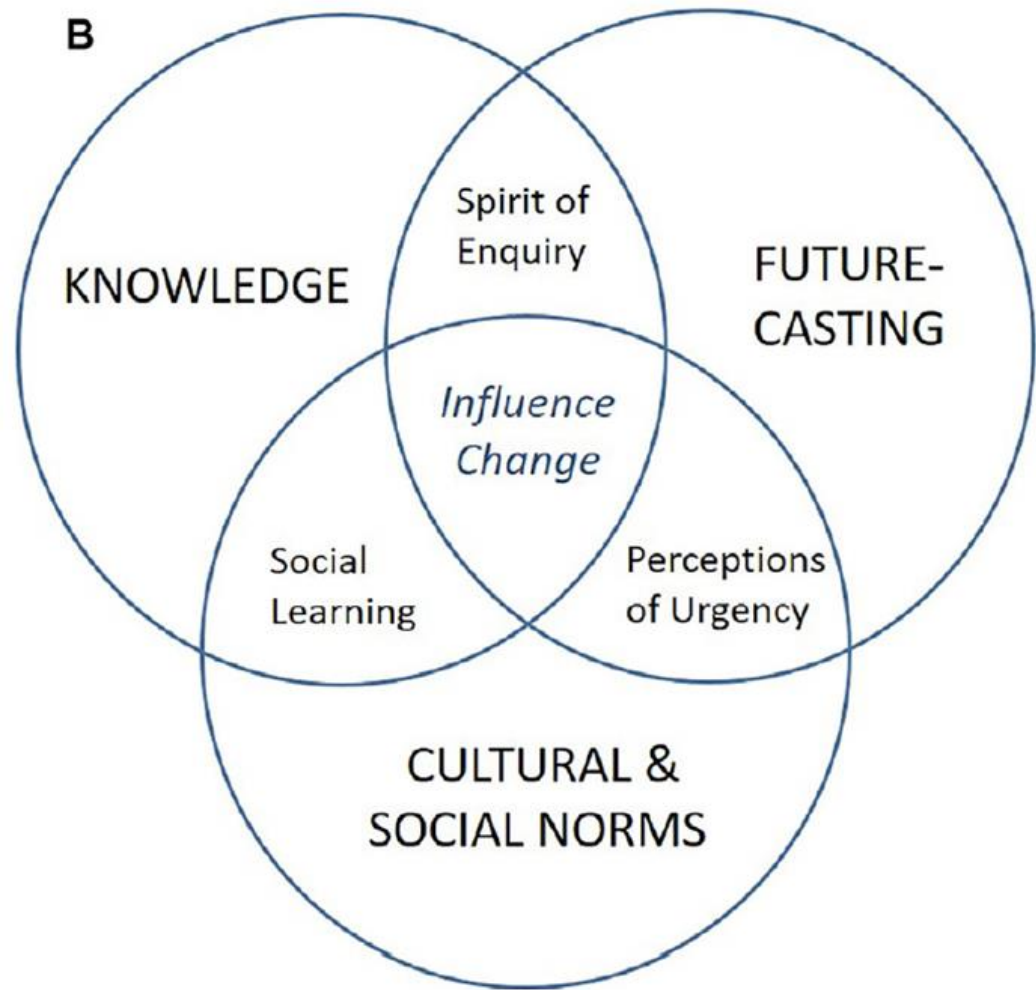
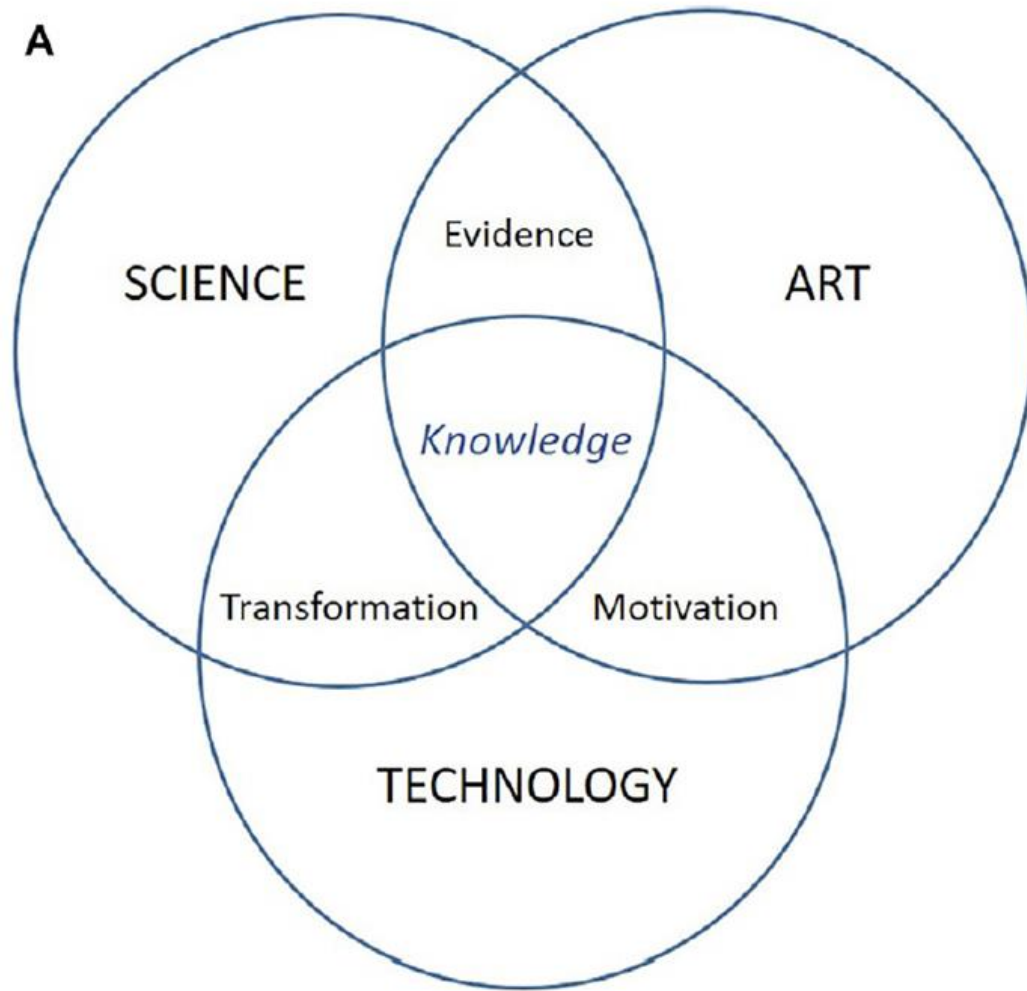
**FIGURE 2 |** The architecture for a transdisciplinary collaboration for shared knowledge generation elements that underpins CaW to reflect both cognitive and emotional elements that can support societal transformation for sustainability. The collaboration acts as an integrating interface between both disciplines of enquiry and communication technologies to develop products – in this case artistic representations of waves- to encourage and enable conversations between holders of different facets of knowledge, opinions and perspectives that might not otherwise take place, or would take place in a contested setting.

Paterson, S. K., Le Tissier, M., Whyte, H., Robinson, L. B., Thielking, K., Ingram, M., & McCord, J. (2020, April 22). *Examining the potential of art-science collaborations in the anthropocene: A case study of catching a wave*. *Frontiers*. <https://www.frontiersin.org/articles/10.3389/fmars.2020.00340/full>



**FIGURE 5** | A graphical recording of the CaW interactive workshop at the Art in the Anthropocene Conference 2019 that captured conversations and observations made by attendees. Graphic Artist: Eimear McNally.

Paterson, S. K., Le Tissier, M., Whyte, H., Robinson, L. B., Thielking, K., Ingram, M., & McCord, J. (2020, April 22). *Examining the potential of art-science collaborations in the anthropocene: A case study of catching a wave*. *Frontiers*. <https://www.frontiersin.org/articles/10.3389/fmars.2020.00340/full>



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<https://www.frontiersin.org/articles/10.3389/fmars.2020.00340/full>



# Project in progress: Immersive Installation

