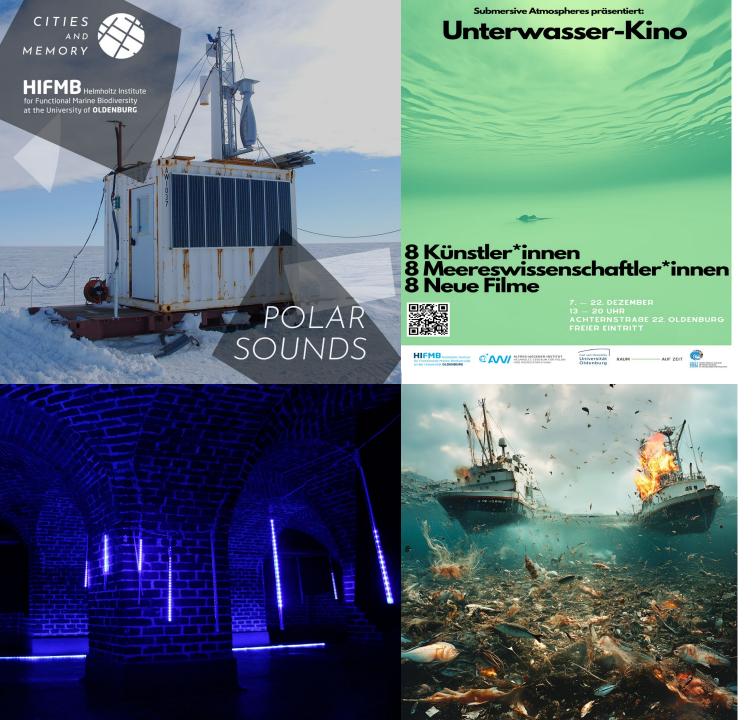


HIFMB OLDENBURG



The Ocean Science Jam: Using creative improvisation as a tool for novel science communication

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- **Polar Sounds 103** artists from **31** countries all over the world given **50** hydrophonic sound clips from the Arctic and Antarctic seas given to create their own compositions.
- **Mirrors** A sound installation that follows the acoustic journey of the Minke Whale as it travels from Antarctica to Namibia.
- Future Oceans Brought together 4 ocean scientists from worldwide institutions with 4 AI artists and 4 musicians
- Submersive Atmospheres: Unterwasser Kino Matches 9 ocean scientists with 8 international artists to
 produce 8 short films which will be displayed in a free to-public
 exhibition in the city centre of Oldenburg from the 7th 22nd of
 December.
- Polar Portal Physical phone booth which holds the polar sounds project (still tweeking)









Ocean Science Jam

3 events so far with almost 300 people attending

3 Themes – Microbial, Coral and Polar World



Why?

If we think of science communication as creating moments "in which science and society come into contact through a medium" (Horst and Michael 2011: 285), the question I wanted to ask was, how can creative improvisation be used as this medium, and what does this mean for how we create touching points with the ocean and ocean science?



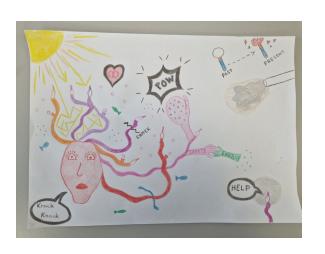


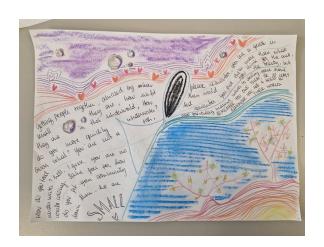
How we orchestrate this environment?

- Location
- Cues
- Props + tools















What do people get out of it...

- Scientists Think about their work creatively, a platform to share ocean science with the public, to see, hear, feel the public respond to their work
- Audience To not only learn but respond to Ocean science in a fun, interactive and creative way. To challenge and play with Ocean Science.



Conclusions

- Improvisation as a useful tool for ocean engagement can help create spontaneous touching points of oceanic connection
- Process + product as important as each other
- Rather than ask how can it effect specific change, instead, does it empower people to make more informed choices on understanding the past, present and future state of our Oceans



More information here...



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A song for *Pelagibacter*. Using creative improvisation as a tool for novel science communication through the Ocean Science Jam

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Sharing complex oceanic research in an accessible way with the public is being identified by scientific institutions, universities, governmental departments, and NGOs as a critical intervention in promoting better engagement with the sea. Art-science collaborations play an integral role in this. Traditionally, these involve pairing artists and marine scientists to work on a project which is then presented to an audience. Increasingly however more interactive relationships with the public are being seen as a beneficial way to merge art and scientific data. The Ocean Science Jam is such a project that brings musicians, artists, dancers, performers, and the public together to respond creatively in real time to visual and audio cues based on a theme related to marine scientists' work. By mixing creativity with science in an integrative way the Ocean Science Jam not only acts as tool for public communication but also opens new ways for scientific data to be interpreted by non-scientists. This paper will explore this initiative from design to delivery highlighting the results of facilitating with the public moments where new responses to ocean science can be created through art. It will do so by combining the reflections of the creator of the Ocean Science Jam as well as feedback from the scientists and public who have participated. It will argue for the benefits of using improvisation and artistic co-creation for developing moments of embodied oceanic exchange and connection.

KEYWORDS

art-science, science communication, creative improvisation, ocean communication, marine governance, ocean literacy

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