

Ocean Interconnectedness

Senses & Science, Love & Law

An interdisciplinary workshop to learn from the ocean, through multisensory activities and reflections on the role of emotions in science and law

Organized by Giuliana Panieri & Margherita Poto



September 19 & 20, 2023

Naturfagbygget, Dramsvegen 201

at

UiT The Arctic University of Norway

For hybrid participation, please use the link below:

<https://uit.zoom.us/j/68943240852?pwd=WExwVUVZV0hOUUVjVXYvcWNuZThJdz09>

Meeting ID: 689 4324 0852

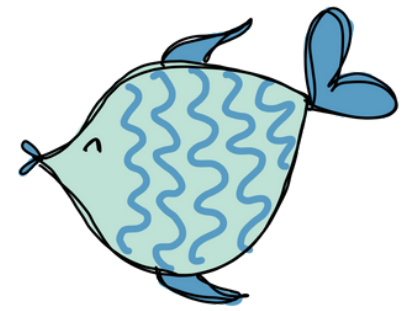
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Thalassophile Project



Day 1



9:00-9:30 Opening

Giuliano Bertolotto Bianc

Performing a soundtrack for AKMA3-Borealis Mud Volcano

*Ekaterina Isayevskaya
& her students*

Music evoking the importance of loving and protecting the marine environment

10:30-11:40 Senses & Emotions

10:30-10:40

*Giuliana Panieri &
Margherita Poto*

Greetings and presentation of the workshop

10:40-11:00

*Giuliana Panieri,
Margherita Poto et al.*

Ocean Literacy: Presenting the project results from Ocean Senses book of activities (English, Chinese, Farsi, Ukrainian and more)

11:00-11:20

*M. Poto, E. Murray,
L. Vita, V. Russo & Aila
Biret Selfors*

Follow Your Heart: Cora and the Aurora

Ecological and emotional education for sustainability

11:20-11:40

Coffee Break



11:40-12:00

Margherita Poto et al.

Project results from ECO CARE (hybrid event in connection with the Chiquitano People from Mato Grosso)

12:00-13:00 Lunch

13:00-15:00 Interactive Session w/ Participants

"Building relationships and gathering threads for a common need"

Hosted by Giuliana Panieri, Margherita Poto, Emily Murray and Laura Vita

**see Appendix 1*



Thalassophile Project



Forskningsdagene



oceansounds



Kiel University
Christian-Albrechts-Universität zu Kiel



The James
Hutton
Institute



LAPIN YLIOPISTO
UNIVERSITY OF LAPLAND



SCHULICH SCHOOL OF LAW
Marine & Environmental
Law Institute

Day 2



Part 1 Ocean Interconnections: the Ocean Network Incubator

9:30-10:30 Morning Breakout Sessions

Margherita Poto,
Giuliana Panieri,
Valentina Russo,
et al.

Breakout Room 1: Ocean Incubators

Ocean Incubator kick-off, logo presentation, and members meeting (hybrid/online)

Groups 1, 2, 3
from Day 1

Breakout Room 2: Finalize Group Presentations

Continuation of Day 1 Interactive Session 'Building relationships and gathering threads for a common need'

Meet in coffee area at Steingulvet

10:10-10:30 Coffee Break



Part 2 Ocean Interconnections: Voices & stories from the sea

10:30-10:45

Giovanna Bertella

A tourism scholar's reflections on ocean tourism: When emotions meet science

10:45-11:10

Heike Vester &
Ellyne Hamran

OceanSounds *presents* Whale Sounds (online)

11:10-11:25

Rada Pandeva

Thalassophile Project: Making marine science accessible

11:30-13:00 Lunch

13:00-14:00

Group 1, 2 & 3

Group presentations: Building relationships and gathering threads for a common need

Part 3 Outreach activities in collaboration with Forskningsdagene

14:30-15:30 Poto, Panieri, Murray, Vita, Russo, Zimmerman

**see Appendix 2*



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Appendix 1: Guidelines for Group Assignment

Building relationships and gathering threads for a common need

(an interactive session with participants)

Participants are divided into 3 groups, and each group is expected to work on their respective assignment (*below*)

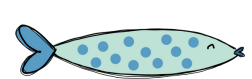
Group themes:

1. Group 1: Global South (e.g. Tanzania);
2. Group 2: Global North (e.g., Arctic)
3. Group 3: Small islands and developing states

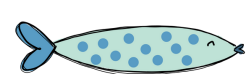
Guidelines: This activity aims to formulate guidelines aimed at expanding and strengthening adults' knowledge through activities (e.g., learning toolkits) based on the presentation you heard this morning. The goal is to identify the gaps in Ocean literacy. What the adults should know, and what they do not know. We protect the Ocean if we know what we need to protect (ranging from biota, water quality, and seafloor integrity to human populations and infrastructural components....). Some examples of activities can be:

- matrix of a learning toolbox
- pilot project activity to be implemented immediately (consider digital and in-person activities)
- books
- posters
- social media content and podcasts
- news
- magazine articles
- short videos
- any form of artwork

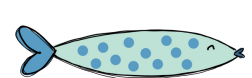
Things to remember...



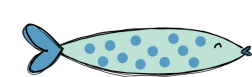
Identify the audience and learning goals



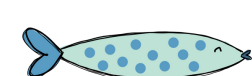
Select relevant content e.g., curate or develop content that aligns with the learning goals



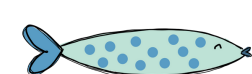
Promote Interactivity e.g., engage learners with interactive elements such as quizzes, discussions, group activities, and simulations



Provide Application Opportunities e.g., practical exercises, case studies, and real-world scenarios that encourage learners to use the knowledge and skills they've gained



Consider the possibility of testing and iterating e.g., you can decide to develop a pilot toolkit applied to a small group of adult learners and gather feedback. Use this feedback to improve, refine the content, and address any usability issues



Leave no one behind e.g., efforts should be made to create resources that are inclusive and accessible to individuals with special needs. This means designing materials, content, or services in a manner that removes barriers and accommodates a wide range of abilities.

Appendix 2: Forskningdagene activity

Storytelling on the Ocean

Coordinators: Margherita Paola Poto, Giuliana Panieri, Emily Murray, Laura Vita & Valentina Russo

Location: Formidling or alternatively Skolelaboratoriet in Realfagbygget

Description of activity & learning objective: Based on the stories shared and the activities developed in the first part of the session, the pupils are expected to create their own story on how to protect the Ocean. The pupils will work in small groups and create their stories based on the question, "how can we use our emotions, creativity and imagination to protect the Ocean?". Characters of the story are expected to be human and non-human beings (sea creatures, foraminifera, and the Ocean itself). Pupils will learn to bring their creativity and imagination into the world of research and find sustainable, caring solutions to environmental challenges.

Resources: the Ocean Senses Handbook (Panieri G. et al), A Story About Knowledge (with props and touch book) and Follow Your Heart: the school for multipotentialites (Murray, Russo, Poto). The stories can be developed through narratives, art, drawing, sculpting, stitching and music/songwriting.

Expected number of pupils: 15-20 (ideally, one class)

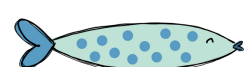
Level: 10-12 years old

Time and length of the activity: one hour for each activity structured
20 minutes for storytelling (FYH, A Story About Knowledge, Stories from the Ocean, Becoming the Ocean)

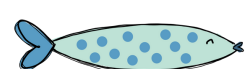
30 minutes for developing your own story

20 minutes for presentation

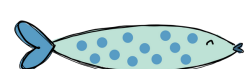
Guidance/Prompts:



Think about the animals in A Story About Knowledge and Cora and how these characters work together and think outside the box to find solutions to their big questions



The Ocean is a very important part of our lives, even if we cannot see it. There are many different ways to protect the ocean, what is the best way?



Our Emotions help us connect to each other and the planet, and they allow us to communicate and feel. Talk about emotions in your story!