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# Oceans and Human Health Workshop

## A rising tide of challenges and opportunities for Europe

March 20-21, 2014 at Bedruthan Steps Hotel, Mawgan Porth, Cornwall, UK

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Purpose: Review and discuss recent research in the US and EU on the growing interconnectedness of oceans and human health, particularly focusing on current and future policy gaps and future directions; and the implications for the health of ocean ecosystems and human health and wellbeing in Europe and beyond.

All sessions will be attended by all participants; in each session, invited speakers/panelists will have 8 minutes to present a very brief overview and salient points, with the majority of the session time devoted to participant discussions.

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### Wednesday March 19

Travel with -dinner at 7.30 pm in Hotel Restaurant (Wild Café)

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### Thursday March 20

**8:30-9:00am** Introductions, Overview – Organizing Committee

**9:00-11:00am** Established Risks in Oceans and Human Health (Fleming, Moderator)  
*{Anchor:Niall McDonough}*

- Climate Change, extreme weather, storminess, heat waves and cloudbursts - Katja Phillipart (NL)
- Get ready for Ocean Acidification - Sam Dupont (SW)
- Harmful algal blooms (HABs): an increasingly important issue for oceans and human health? – Henrik Enevoldsen (CPH)
- U.S. and European Approaches to Managing Microbial Pollution at Recreational Beaches– Helena Solo-Gabriele (US)
- Anthropogenic chemicals and nanomaterials: persistent concerns in oceans and human health – John Stegeman (US)
- Plastics in the Marine/Coastal environment – Richard Thompson and Sabine Pahl (UK)
- Managing the Health Risks of Environmental Contamination into the Future - Alistair Boxall (UK)

**11:00-11:30am** Tea and Coffee

**11:30am-12:30pm** Mixed Risks, Benefits, and Tools in Oceans and Human Health (Austen, Moderator)  
*{Anchor:Lora Fleming}*

- Invasive species and outbreak forming species are on the increase: why and what are the health implications – Mel Austen (UK)
- Ecosystems Services; 5 ways not to break the bank – Laurence Mee (UK)

- Fisheries and aquaculture and human health – Adam Hughes (UK)
- The role of economics and Valuation in Oceans and Human Health - Caroline Hattam (UK)
- Value added decision making: how we can take better account of the cultural dimensions of the marine environment and benefits to human health and wellbeing- Sue Ranger (UK)

**12:30-2:00pm** Lunch in Hotel Restaurant

**2:00-3:30pm** New and Established Benefits in Oceans and Human Health (Hess, Moderator)  
*{Anchor: Caroline Hattam}*

- Ocean Medicines: Challenges and Opportunities for Human Health – Adrianna Ianora (IT)
- Large marine vertebrates as sentinels of toxicological threats in the marine environment: the connection with human health– Cristina Fossi (IT) & Michael Thorndyke (UK)
- Marine Energy: a viable component of our future energy mix? – Helen Smith (UK)
- Blue Carbon the role of healthy ecosystems in maintaining coastal carbon stores – Hilary Kennedy (UK)
- The Coast: an under-researched public health resource – Mat White (UK)

**3:30-4:00pm** Tea and Coffee

**4:00-5:30pm** Other Important Aspects of Oceans and Human Health (Moore, Moderator)  
*{Anchor: Helena Solo- Gabriele}*

- Ecological responses to climate change in the marine environment: models, projections, and scenario– John Pinnegar (UK)
- Maximum sustainable yield? Fish, fishers and people – Tom Appleby (UK)
- FAO efforts to improve fish safety and international fish trade – Jogeir Toppe (IT)
- Knowledge transfer, ocean literacy and the science-policy interfact - Niall McDonough (IR)

**6.00pm** Organising committee to meet

**7:00/7.30pm** Dinner at Hotel Restaurant (Wild Café)

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Friday March 21

**07.30 am** Optional walk to beach with Lora (weather permitting) meet in lobby

**8:30- 9:30am** Policy Implications and Funding of Oceans and Human Health (Mee, Moderator)  
*{Anchor: Mat White}*

- Reflections on the Workshop and Policy Implications of Oceans and Human Health – Tracy Collier (US), Wayne Elliot (Swit), Marco Weydert (EU), Adrianna Ianora (IT), John Stegeman (US)
  - Experience from the US, EU and global
  - “Hard data” around the impact on human health and wellbeing and on ecosystems
  - Identification of data gaps and resource needs
  - Importance of interdisciplinary science and training

- Importance of collaboration across academia, business, government, and third sector with stakeholder input

**9:30am -10:30 am** Horizon Scanning Oceans and Human Health (Depledge, Moderator)

{Anchor: Mel Austen}

- Horizon scanning and future directions – Mike Depledge (UK)

**10:30-11:00am** Tea

**11:00 am -12:30pm** Where do we go from here? (McDonough, Moderator)

{Anchor: Lora Fleming}

- Drafting a Vision Statement and 3 concrete goals

**12:30 pm** Optional Lunch/Departure