

## **FUTURE EARTH - OCEAN**

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Future Earth Secretariat is carrying activities related to ocean science on a regular basis. In addition of liaising with the research projects SOLAS and IMBeR (through funding, sharing of opportunities etc.), Future Earth Secretariat is working in close relation with the Ocean KAN (Knowledge Action Network). More information and Development Team at:

<https://futureearth.org/networks/knowledge-action-networks/ocean/>

### **Ocean KAN**

Co-chaired by Anna Zivian and Mistuo Uematsu the Ocean KAN aims at generating knowledge and facilitating science-to-policy actions in the fields of ocean science (climate change, overfishing, acidification, de-oxygenation, pollution etc.) by bringing together actors from academia, business and civil society.

In this scope, part of the Ocean KAN team attended the 1st Global Planning Meeting for the UN Decade of Ocean Science for Sustainable Development in May 2019. Since then, the Ocean KAN reviewed the Decade implementation plan and attended several other meetings. At the moment, the Ocean KAN is looking for a host for its International Project Office (IPO).

<https://futureearth.org/2019/06/12/future-earth-and-the-un-decade-of-ocean-science-for-sustainable-development/>

Some members of the Development Team (DT) have recently published an article about the KAN and its role: <https://www.tandfonline.com/doi/full/10.1080/08920753.2020.1778426>

### **Virtual Blue COP / Blue Decade**

In the Ocean KAN scope, the Virtual Blue COP has been organised in late 2019, aiming to promote inclusive dialogue and focusing on ocean and climate-related themes. Several online events have been organised throughout autumn 2019

<https://futureearth.org/2019/12/19/a-virtual-cop-for-a-change/>

In 2020, the Virtual Blue COP became Virtual Blue Decade and launched in June a new set of online events about ocean science <https://www.virtualbluedecade.org/>

### **The Earth Commission**

Future Earth is now hosting the Earth Commission. Its mission is to assess the latest science to underpin the development of science-based targets for systems like land, water (freshwater and oceans), and biodiversity. By setting such targets, companies and cities will be able to contribute to re-stabilizing Earth's natural systems and work towards ensuring a planet where humans can thrive. <https://earthcommission.org/>

### **Collaborative Research Action (CRA) Ocean Sustainability**

Future Earth co-branded a Collaborative Research Action on Transdisciplinary Research for Ocean Sustainability with the Belmont Forum and JPI Oceans. This funding supported projects that took integrated, transdisciplinary and cross-sectoral approaches towards the achievement of UN Sustainable Development Goal (SDG) no. 14 to conserve and sustainably use the oceans, seas and marine resources for sustainable development. Thirteen international projects were awarded, with a total of 14,250,000 Euro by funding organizations from 16 countries.

### **PEGASuS 2: Ocean Sustainability**

A partnership between Future Earth, National Center for Ecological Analysis and Synthesis (NCEAS), and Global Biodiversity Center at Colorado State University, this initiative supports two ocean sustainability working groups involving not only researchers, but also innovators in policy, business and civil society to generate research that meets society's needs. One project is aiming to establish a globally coordinated ocean observing system to assess the status of the ocean's biodiversity and ecosystems. A second project is working to help the Government of Palau review existing research and create a portfolio of policy options to support food security and marine resource sustainability in Palau's National Marine Sanctuary.

### **Ocean Decade Survey**

The United Nations has declared 2021-2030 as the United Nations Decade of Ocean Science for Sustainable Development, as an opportunity for global cooperation to take transformative actions toward sustainable oceans. PEGASuS postdocs with Future Earth and NCEAS were involved in the development of a survey for Early Career Professionals, that would include their voices on the Decade preparation process.

### **Fourth AEON Future Earth Forum**

This annual forum held in The University of Tokyo, gathers over 800 participants to educate the public and create a dialogue on environmental issues, choosing a theme from Future Earth's Knowledge-Action Networks. The fourth forum that was held this February was on the theme of "Protecting the Ocean's Environment and Resources". High school students presented on marine plastic pollution, introducing a website that they created with various information and discussing what each of us as individuals can do.

<https://futureearth.org/2020/06/08/world-oceans-day-2020-wading-in-marine-plastic/>

## **Science-Based Pathways for Sustainability Initiative – an Ocean workshop in France**

In the scope of the Science-Based Pathways for Sustainability Initiative, the French hub of Future Earth as convened a scientific committee to prepare a workshop. This event will focus on marine protected areas and their implementation in France and beyond. A group of students conducted a case study on the topic (<https://futureearth.org/2020/02/12/students-build-ground-for-science-based-pathways-workshop-on-marine-protected-areas/>) and both the scientific committee and the Paris hub are working on the event, planned for early 2021 in France.

<https://futureearth.org/initiatives/earth-targets-initiatives/science-based-pathways/>