

EXPANDING OCEAN DATA INTEROPERABILITY

between

EUROPE AND ASIA

A European and Chinese collaboration to make Ocean Data accessible for all maritime stakeholders

Connecting people & data centres

Combining data & expertise

Co-creating marine knowledge

JOIN OUR PARTNERSHIP!



国家海洋信息中心
NATIONAL MARINE DATA AND INFORMATION SERVICE



EMODnet
European Marine
Observation and
Data Network

WHO WE ARE...

Together, the European Marine Observation and Data Network (EMODnet) and the National Marine Data and Information Service of China (NMDIS) have created two sister projects. Based in the EU and China, these are known, respectively, as the EMODnet Partnership for China and Europe (EMOD-PACE) and the China-EU Marine Data Network Partnership (CEMDnet).

... WHAT WE ARE DOING

We are collaborating to make marine knowledge more accessible by improving the interoperability of data and data information systems between the EU and China, the accessibility and use of ocean observations and data, as well as the generation of added value data products. By sharing and facilitating access to marine observation data and expert knowledge, developing novel information products and establishing new and strengthening existing relationships between Europe, China and other Asian countries we will contribute to:

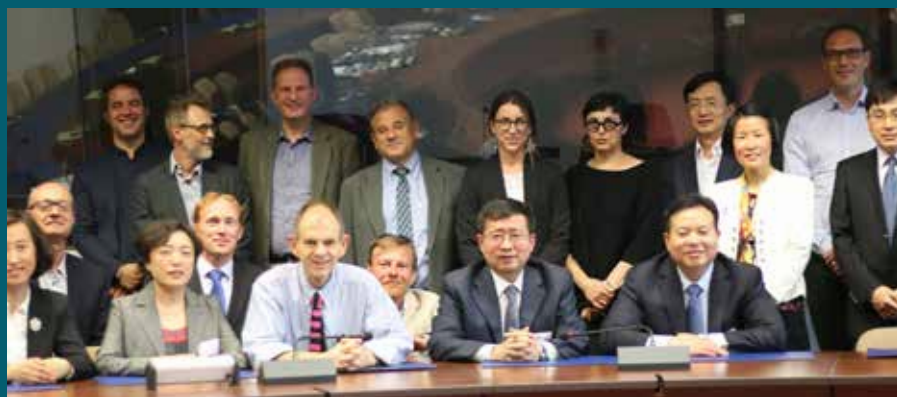
- Improving our knowledge of the behaviour of the sea;
- Promoting international ocean governance, as a **key contribution to the UN Decade of Ocean Science for Sustainable Development**;
- Reducing uncertainty-driven risk and stimulating sustainable maritime productivity in Europe and Asia.

Having consolidated our partnership, we now want to encourage other interested data initiatives and data centres to **join the movement** so we can share the lessons learned, **pooling our knowledge**, infrastructure, services, and data resources for the **benefit of the global community!**

“The EU values this ongoing and strengthening partnership with China that is already seeing results in improved marine data sharing, interoperability and new knowledge. The partnership between EMODnet and NMDIS is an important milestone in recognizing the collaboration between the EU & China on marine data and could provide a basis for wider regional and multi-lateral partnerships in the years to come.””

Iain Shepherd, Senior Officer of the European
Commission Directorate General for Maritime and Fisheries (DG MARE)

PARTNERSHIP PROJECTS



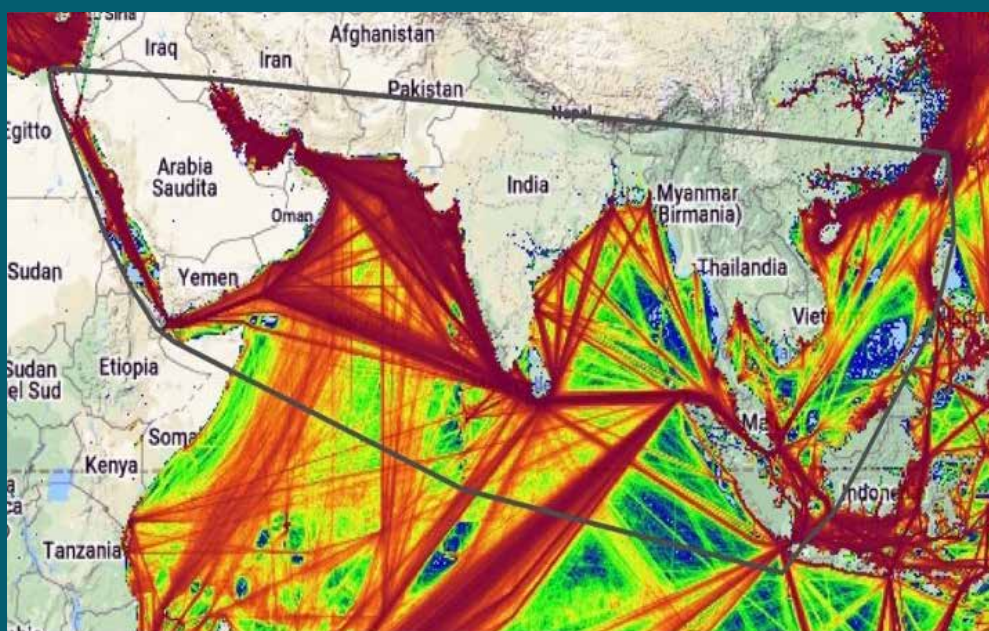
The EMOD-PACE & CEMDnet partnership projects have been founded on the principles of open data and the benefits this approach holds for society. These principles are universal and shared between projects countries, regions and organizations, extending beyond Europe and China.

WHY YOU SHOULD JOIN US ...

You can become part of an important cross-regional initiative with active collaborations at both technical and scientific level to improve access, sharing and processing of marine data, assessment of modelling approaches and generation of data products for a wide range of regional and global users. The benefits of joining this initiative and building new relationships include:

- **Learning from and sharing expertise** with colleagues from Europe, China and other Asian countries, benefiting from best practices and lessons-learned, on;
 - **Linking different data sharing platforms** and resources via creation of an interoperable information framework. As a union of nation states, the EU has a long experience in trans-national collaboration to connect ocean data services and can share this experience with the global community;
 - **Harmonizing data to common standards** or building of automatic translation algorithms to convert standards from one system to the other;
 - **Comparing and improving models** by harmonizing different modelling approaches with common validation standards and datasets; and,
 - **Co-designing and co-creating** regional ocean and coastal data and information products.
- **Contributing collectively towards global marine data interoperability**, paving the way for global data sharing initiatives and distributed geospatial data infrastructures and information systems.
- **Increasing the value and visibility of your data, your efforts, your data system and for your users** by facilitating access to European and Asian data resources in an easy and straightforward way.
- **Combining efforts and extending our reach to benefit the global marine knowledge user community.**

CO-CREATION



Together we can co-create marine information products, advancing our knowledge of ocean circulation, ecosystem vulnerability, shipping vessel density traffic, coastal erosion, wetland degradation, relative and absolute sea-level rise, and much more ...

” *The China-EU Blue Partnership leads by example and action in joining hands to address marine challenges and achieve marine sustainability. Under the Blue Partnership umbrella, the China-EU Marine Data Network Partnership stands out as it provides a replicable and expandable approach for cross-regional data and information cooperation.* ”

Chen Danhong, Director-General, Department of International Cooperation
Ministry of Natural Resources of the People's Republic of China (MNR).



Find out more about EMOD-PACE and CEMDnet:

<https://emodnet.ec.europa.eu/en/emod-pace>

Contact us:

<https://emodnet.ec.europa.eu/en/emod-pace/contact-emod-pace#mail>

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