Proposal of a joint study

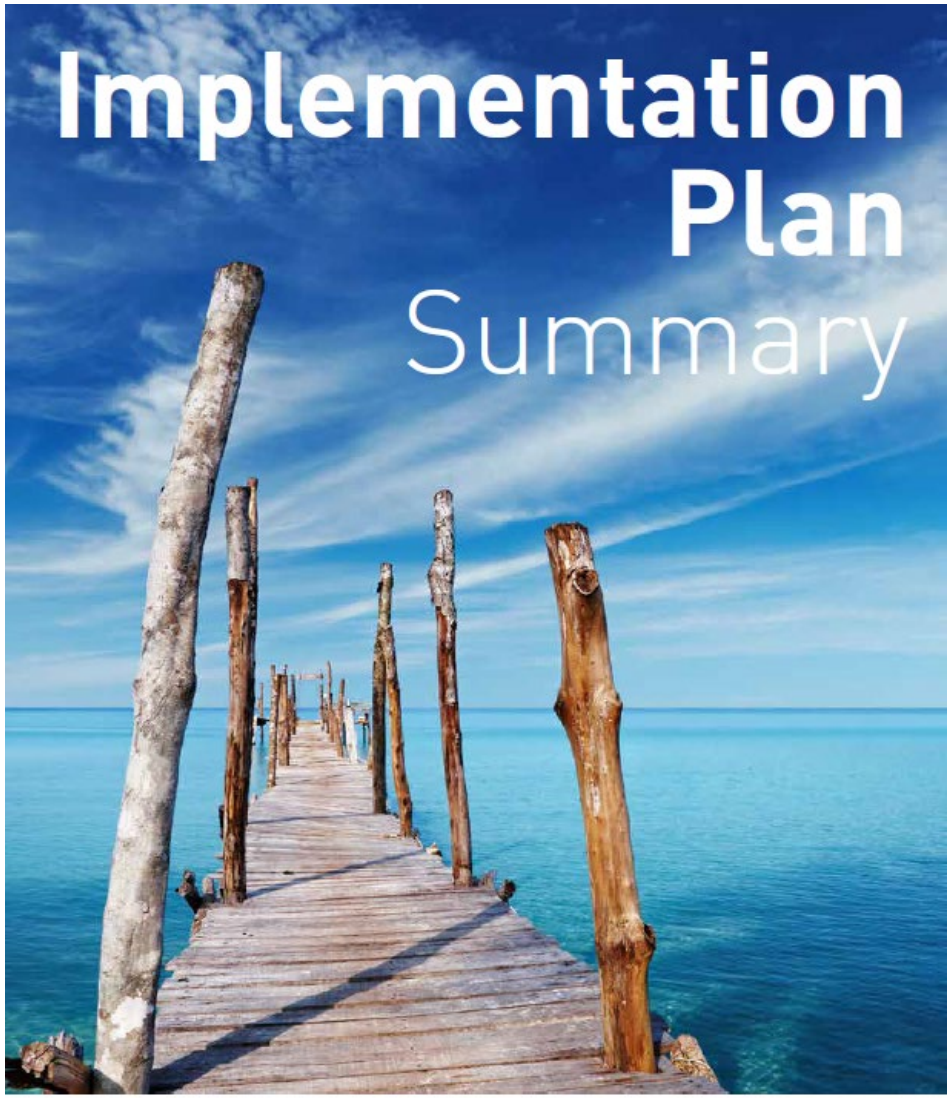
Mitsutaku MAKINO (Univ. Tokyo, Japan)
and
Kazumi WAKITA (Tokai Univ. Japan)

SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

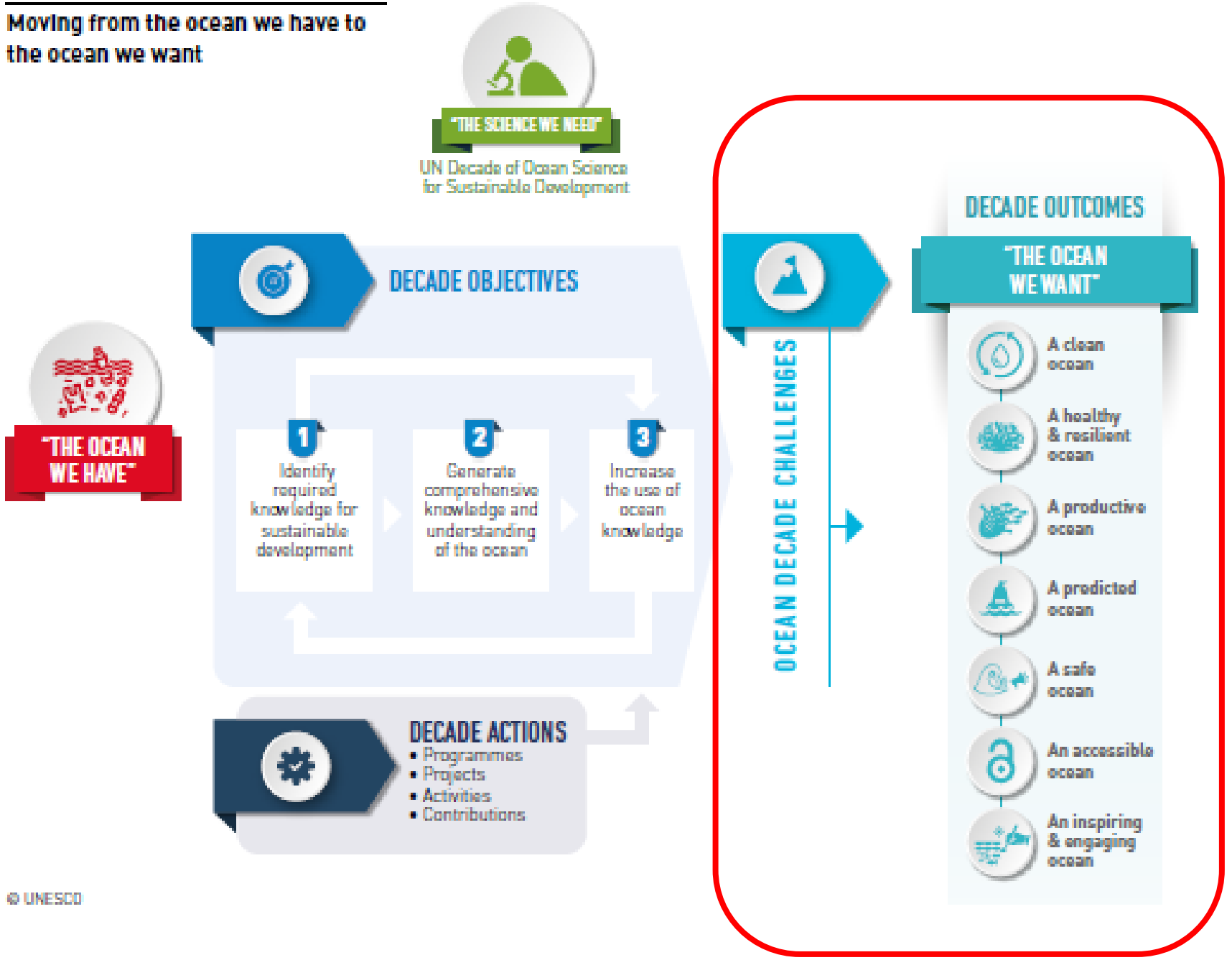
Implementation Plan

Summary



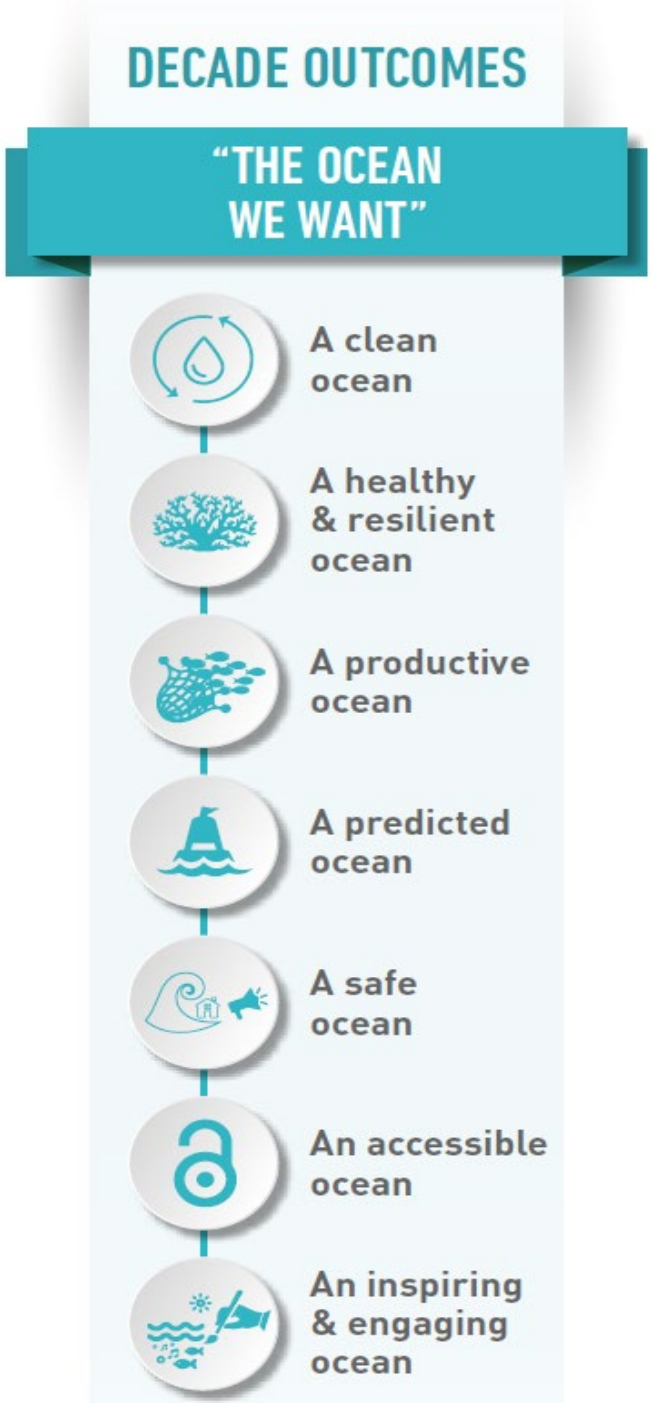
The United Nations
Decade of Ocean Science
for Sustainable Development
(2021-2030)

2021 2030 United Nations Decade of Ocean Science for Sustainable Development



- How JSPS CREPSUM can contribute to the world on our own Asian way?
- How can we collaborate effectively for that?

We think this part is important (Backward thinking)



- Asia has its specific natural environment, culture and value systems which directly influences to the images of "**the Ocean We Want**".

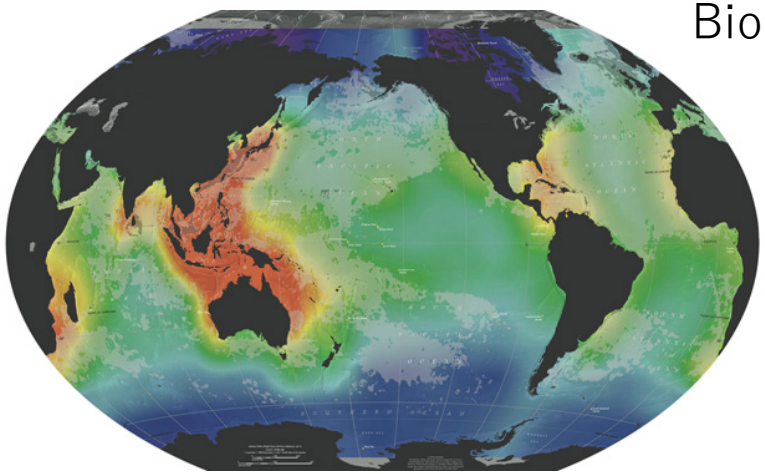
- What is the commonalities? What is the differences among us?

- **We can find the direction of int'l collaborations** btw us, which will be the base to discuss the **Asian specific way of contribution to the global discussions.**

- 10 scientific challenges identified by UNDOS.
- What is the characteristics of these challenges in Southeast Asia? (existing studies, social infrastructure, etc.)
- What is the advantages /disadvantages of us?

You would have many ideas!

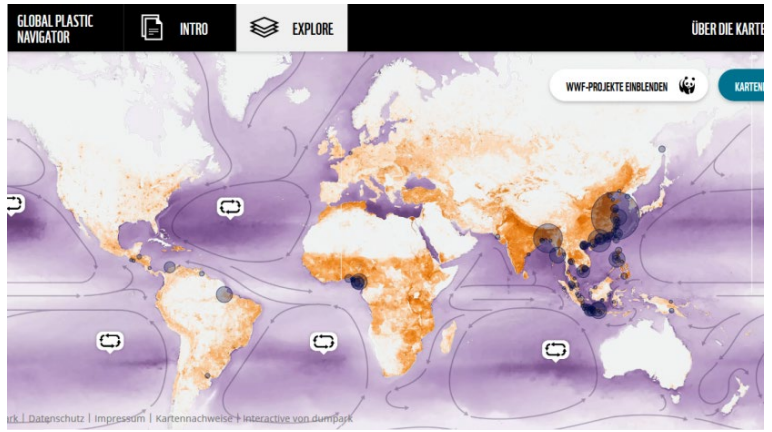
Biodiversity



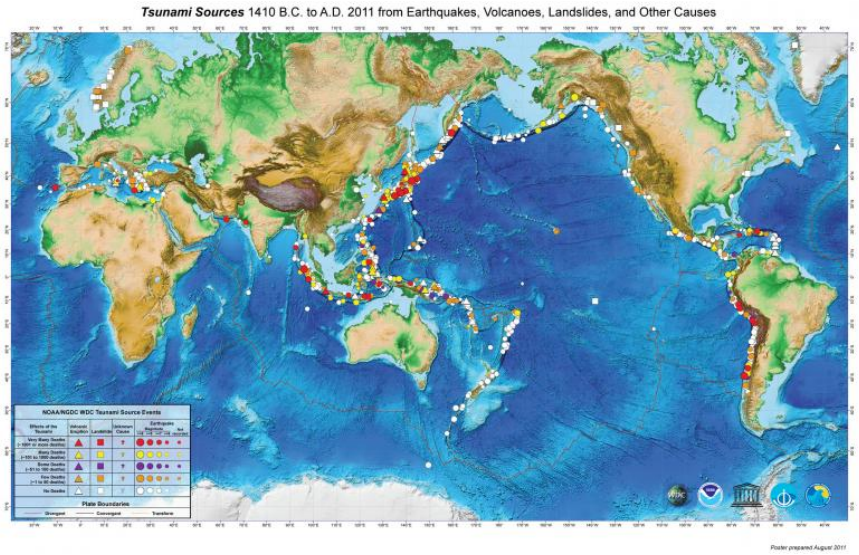
Duke University (2011) based on CoML

Fisheries production/ consumption

Marine plastic

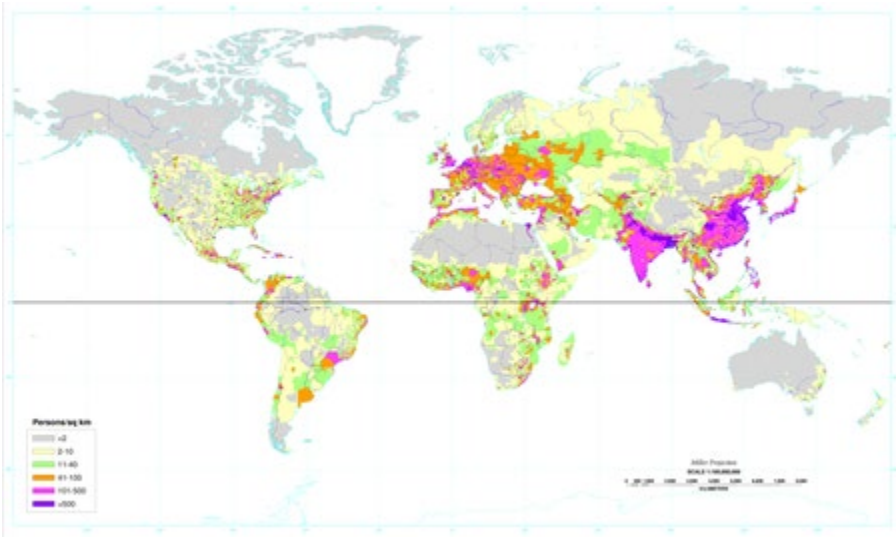


https://en.reset.org/



Marine disaster (tsunami)

https://toolkit.climate.gov/image/241



Population, mega cities, economic growth

https://en.wikipedia.org/

Therefore, let us conduct a Social survey

- **To general public**: Web-based survey in each country to understand the detailed contents/images of "the ocean we want (7 societal outcomes)" (n>500 in each country)

- **To marine researchers**: Questionnaire survey to identify the detailed contents/images of "10 Scientific Challenges" in each country's context. (n>50 in each group of researchers)

- **To both**: free description about the expectations/requests from one to the other to achieve those (this will be the base of the "**Transformative Ocean Science**", the core approach of UNDOS).

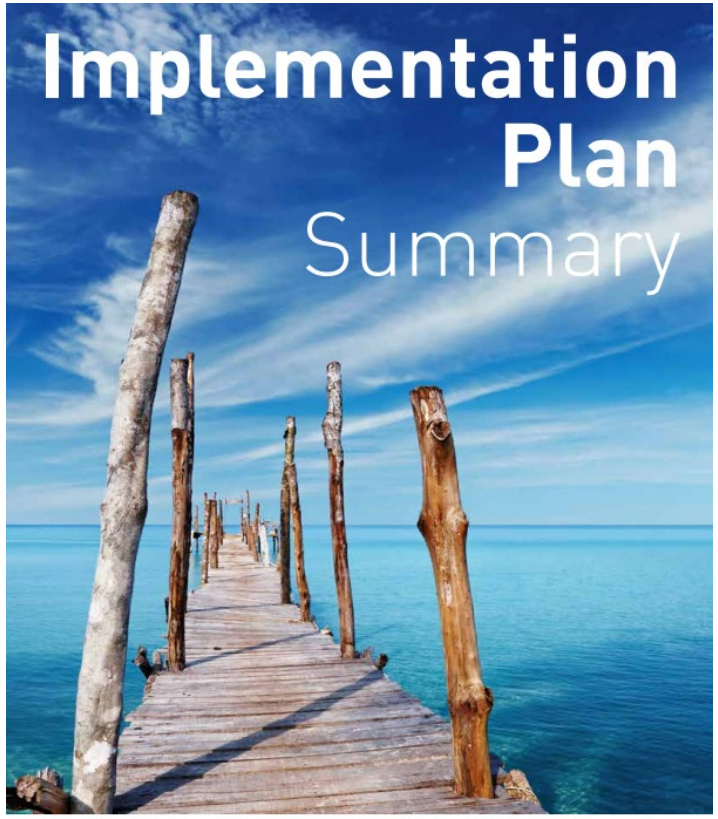
Then, we can discuss followings;
What is the gap? What is the Asian perspective?
How can we create synergy in the next 10 years?

Next step

- Who will volunteer to be a coordinator of each country?
- Total budget?
- To which countries shall we conduct the survey?
  - CREPSUM only?
  - PICES (plus Canada, China, Korea, USA, and Russia)?
  - IOC-WESTPAC (plus SIDs, AU, NZ, India, Sri Lanka, etc.)?
- Which journal to be published as a peer-reviewed paper (ICES-JMS? Marine Policy? Science “Policy Forum”?),

etc.

Thank you very much!!



Approved by UNGA last December

TRANSFORMATIVE OCEAN SCIENCE

The notion of transformation is central to the Decade. The Decade, both in terms of action and outcomes, needs to move beyond business as usual to a true revolution in ocean science. In the context of the Decade, we need transformative ocean science that:

- uses the 2030 Agenda as a central framework to identify and address the questions that are most important to society;
- is co-designed and co-delivered in a multi-stakeholder environment and that involves the generators of knowledge and the users of knowledge;
- is solutions-focused;
- where needed, is big, audacious, forward-looking, and spans geographies;
- reaches across disciplines and actively integrates natural and social science disciplines as well as the arts and humanities;
- embraces local and indigenous knowledge holders;
- is transformative because of who is doing it or where it is being done, including in both less developed and developed countries;
- strives for generational, gender and geographic diversity in all its manifestations;
- is communicated in forms that are widely understood across society and that trigger behaviour change; and
- is shared openly and available for re-use.

- Action and outcome-oriented science (SDG 14),
- Co-design and co-deliver with stakeholders,
- Solution-focused,
- Multi-disciplinary,
- Local and indigenous knowledge,
- Inclusive,
- Shared openly,

etc., etc.

Therefore, let us conduct a Social survey

- **To general public**: Web-based survey in each country to understand the detailed contents/images of "the ocean we want (7 societal outcomes)" (n>500 in each country)

- **To marine researchers**: Questionnaire survey to identify the detailed contents/images of "10 Scientific Challenges" in each country's context. (n>50 in each group of researchers)

- **To both**: free description about the expectations/requests from one to the other to achieve those (this will be the base of the "**Transformative Ocean Science**", the core approach of UNDOS).

Then, we can discuss followings;
What is the gap? What is the Asian perspective?
How can we create synergy in the next 10 years?