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# Ocean KAN and FE Global Paris Hub

## 2025 Update to SCOR

October 2025



# Future Earth Ocean Updates

## Science-Policy

- UN Ocean Decade Conference, Barcelona, 10-12 April 2024 → FE Members in panels and side events

## One Ocean Science Congress + UNOC 3

- Ocean KAN: "Bringing the Outside, In: Voices for The Science We Need for the Ocean We Want. → Listening sessions around the world with almost 250 people were organised, will present the findings at a Town Hall meeting
- SOLAS : Green zone event: Revisiting the Planetary Boundaries Framework by including the Ocean's Interior.
- IMBeR : Ocean sustainability in the context of global change: Lessons learned from a large-scale ocean research project", at OOSC
- 7 GRN members received accreditation from FE to attend UNOC3

## Projects and Publications

ESA - Future Earth Joint Programme / 2024-2025

- Ocean KAN: Empowering Indigenous Ocean Stewardship through Earth Observation enabled scientific knowledge (EIOS-EO)
- SOLAS :Workshop: Sea-surface PLAstic fRom Space (SPARCE)

(2) Ocean Decade White Papers on Challenge 2

## Other opportunities

- 10 New Insights in Climate Change - Launch in October
- Resilience Must-Knows

# Ocean KAN Key Outcomes 2024-2025

**UN Ocean Decade Conference** in Barcelona, leading visioning sessions and joining panel discussions on ocean sustainability.

## Research meetings:

- *Indigenous knowledge sharing for marine protected areas (Future Earth).  
Using satellite data in traditional decision -making (Future Earth -European Space Agency funding).*
- *Joint Future Earth Cross-cutting grant with Future Earth Coast and Early Career Ocean Professionals Network: "Building Future Leaders" initiative, supporting emerging sustainability science professionals.*

Hosted "**Listening Sessions**" in regions such as California, Latin America, Nigeria, Réunion Island, and Taiwan to gather input for a 2025 Town Hall at the One Ocean Science Summit before the UN Ocean Conference.

**Scientific Storytelling Session** : AGU conference

Co-hosted two **webinars with Future Earth's Pathways Initiative**, focusing on integrating Academic and Indigenous approaches in sustainability science





**Highlights from the Ocean  
KAN Listening Sessions at  
One Ocean Science  
Conference**



**ONE OCEAN  
SCIENCE  
CONGRESS**





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# THE OCEAN DECADE ACTION FRAMEWORK

## 'THE SCIENCE WE NEED'

UN Decade of Ocean Science for Sustainable Development

Focus of OKAN listening sessions

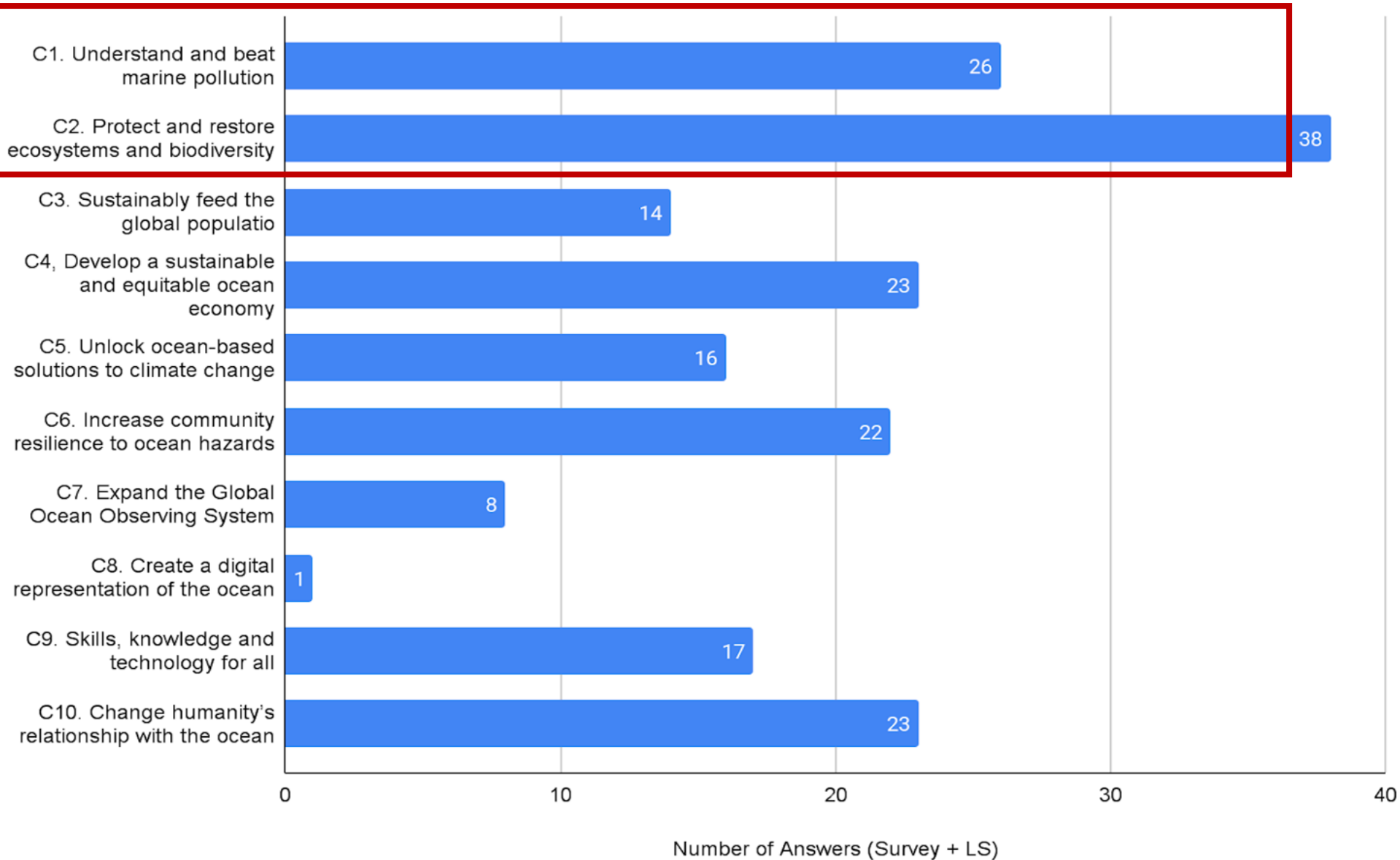
2021-2030 United Nations Decade of Ocean Science for Sustainable Development



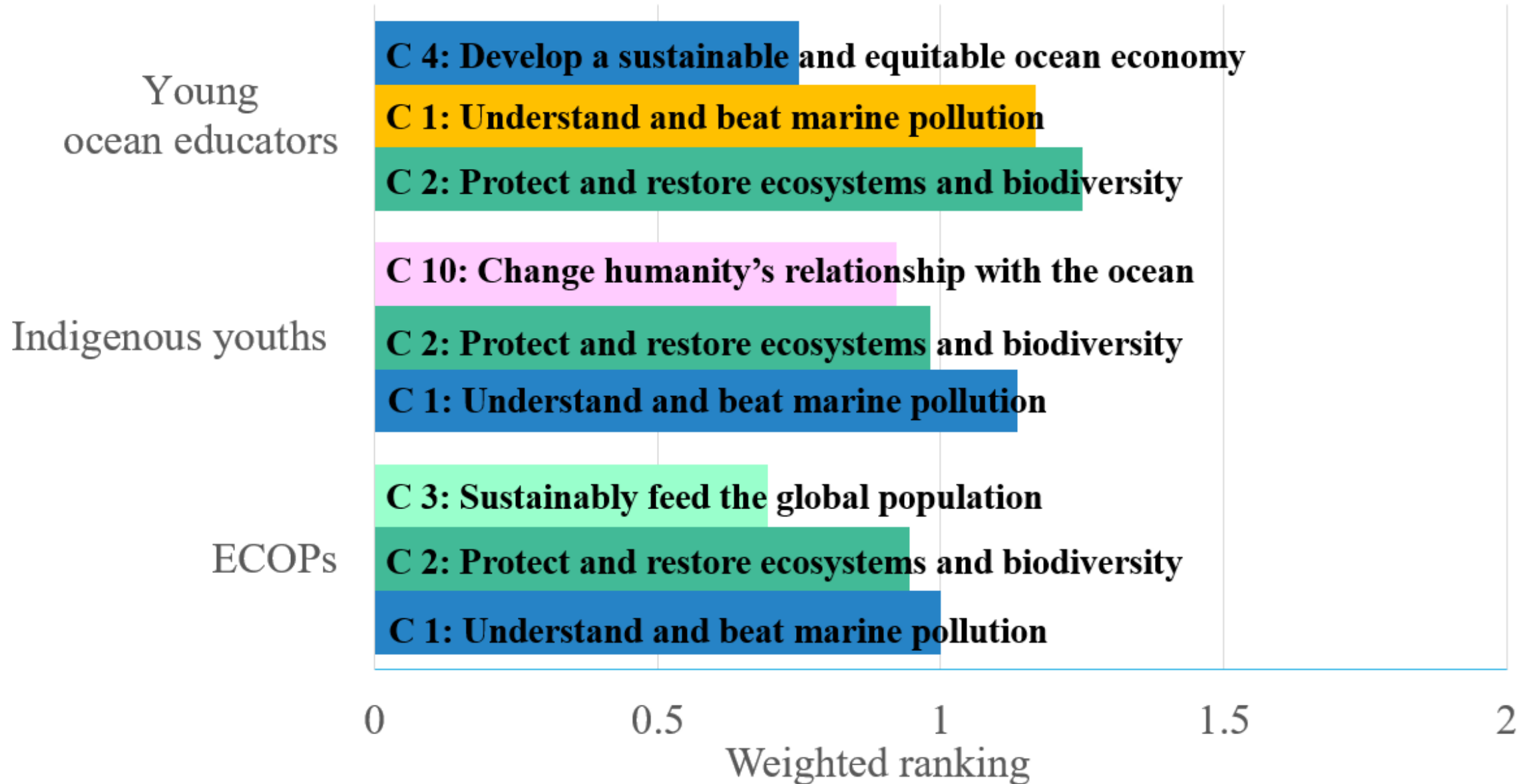
'THE OCEAN WE HAVE'



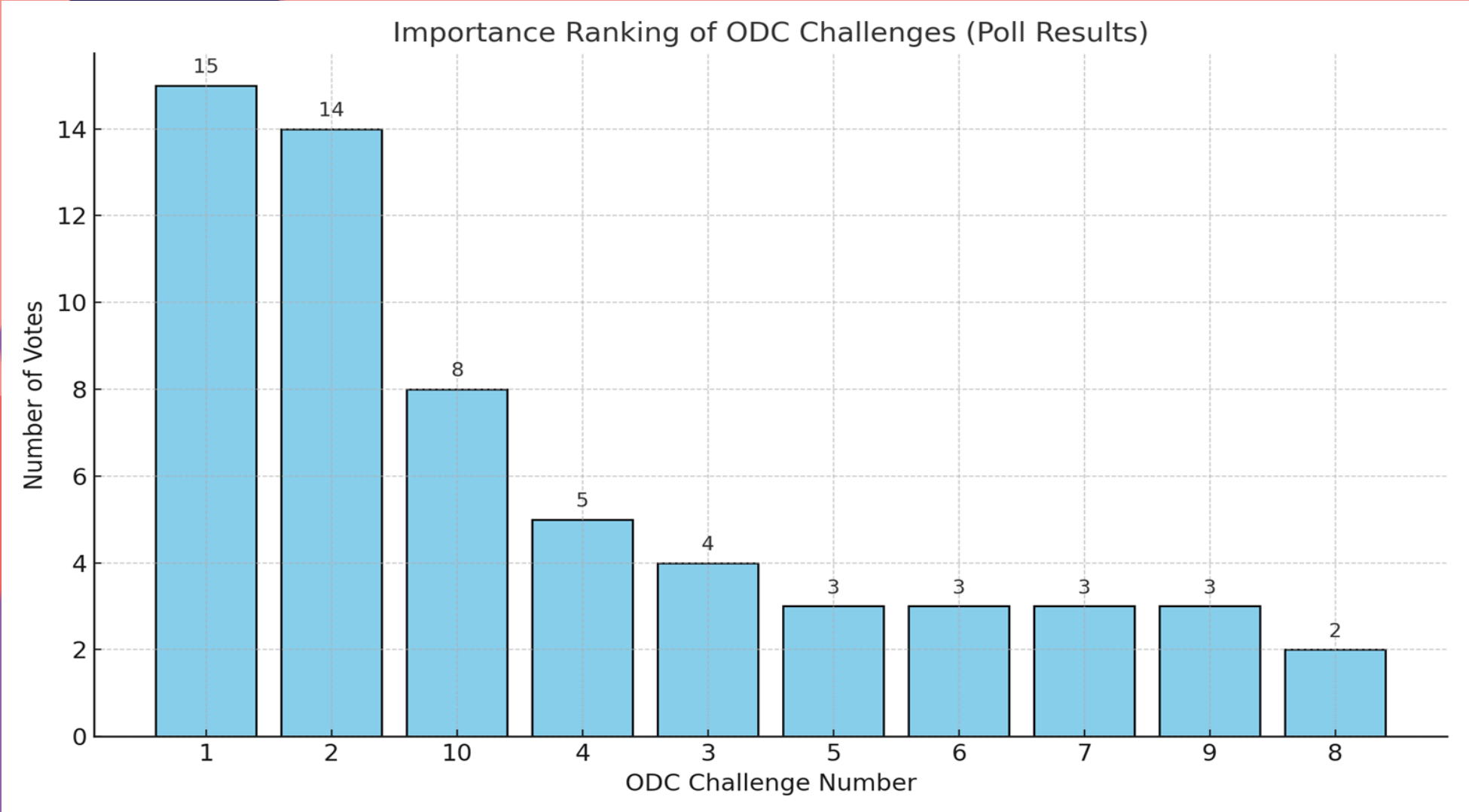
# Ocean Challenges Priorities for the Latin America and the Caribbean Region



## Top 3 urgent Ocean Challenges ranked by Taiwanese youths



# Online survey in Nigeria



## California listening group focused on what is missing:

- More specificity and plain, direct language
- Precautionary decision -making
- Explicit mention of equity, including for data sharing
- Decision -making authority, not just input, for Indigenous peoples and under -represented groups
- Lack of transparency, efficiency, and equity around how ocean finance is distributed
- The focus on the ocean economy raises concerns about industries harming the ocean
- Focus on tipping points, climate change, and deep sea protection

# MAIN POINTS: Ocean KAN Town Hall @ One Ocean Science Congress

- ✓ Broaden ocean science by including values, culture, equity, and Indigenous knowledge.
- ✓ Ocean Decade Challenges 1&2: Water quality and biodiversity – How can we advance this?
- ✓ Improve communication and connect ocean science to human needs.
- ✓ Promote long-term collaboration between natural and social sciences beyond 2030.



# Publications

**A Front Lines Look at Peer-to-Peer Sharing of Indigenous Knowledge and Academic Science.** ICES Journal of Marine Science by Pendleton, L., Aragón-Aguilar, C., Tsai, F. , Kokaua, L., Quesnot, T., Vavia, A., Rongo, T., Seng, H-C., Alexandroff, S., Su, S., and Ho, T-Y. Forthcoming

**Adapting Science to New Realities** by Pendleton, L., Krug, C., Sioen, G., Óngvári, J., Semeena, V., and Z. Niazi  
<https://futureearth.org/2025/03/11/adapting-science-to-new-realities-the-need-to-diversify-funding/> Future Earth Blog

The Ocean KAN conceived of and edited a series entitled "**The Ten Challenges of the UN's Decade of Ocean Science for Sustainable Development** " in the ICES Journal of Marine Science  
<https://academic.oup.com/icesjms/pages/the-ten-challenges-of-the-uns-decade-of-ocean-science-for-sustainable-development>

**Global Voices, Inclusive Ocean Action: A Worldwide Call for Equitable Marine Conservation** - <https://futureearth.org/2025/06/05/ocean-kan-unoc-statement/>

