

Pathways to Mainstreaming EO in support of sustainable Blue Economy Development *- learning and recommendations from the delivery of EO4SD Marine in West Africa*

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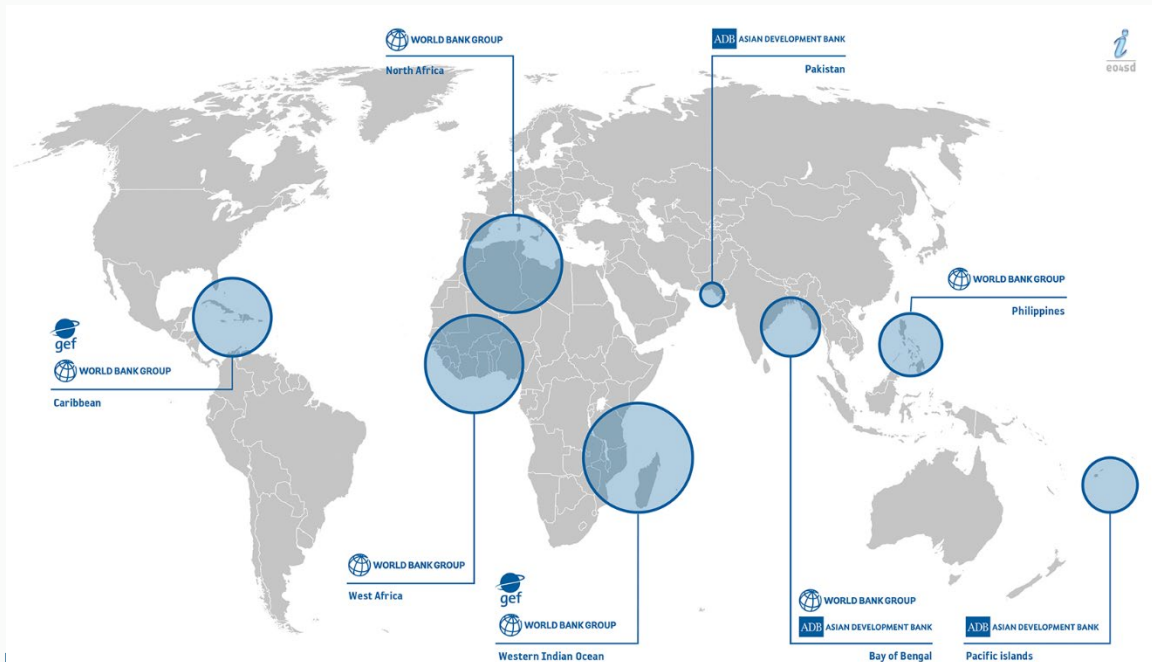
Earth Observation 4 Sustainable Development - Marine Cluster

Mid 2018 – Jan 2022

Interaction with ~ 175 stakeholders

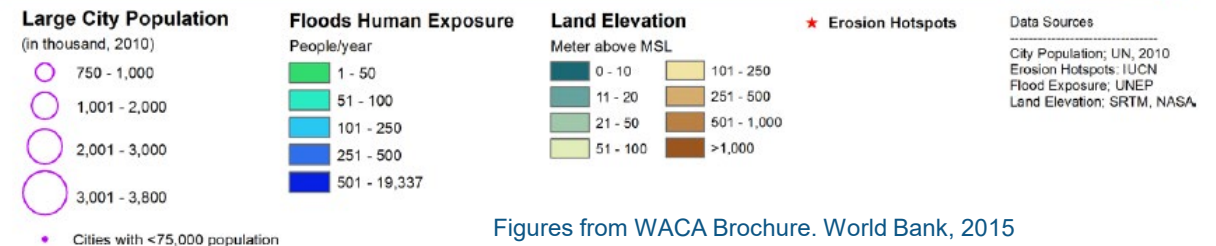
35 countries

~ 22 EO specialists, 4 partners from research sector, 2 SME's



West Africa Coastal Areas Management Program (WACA)

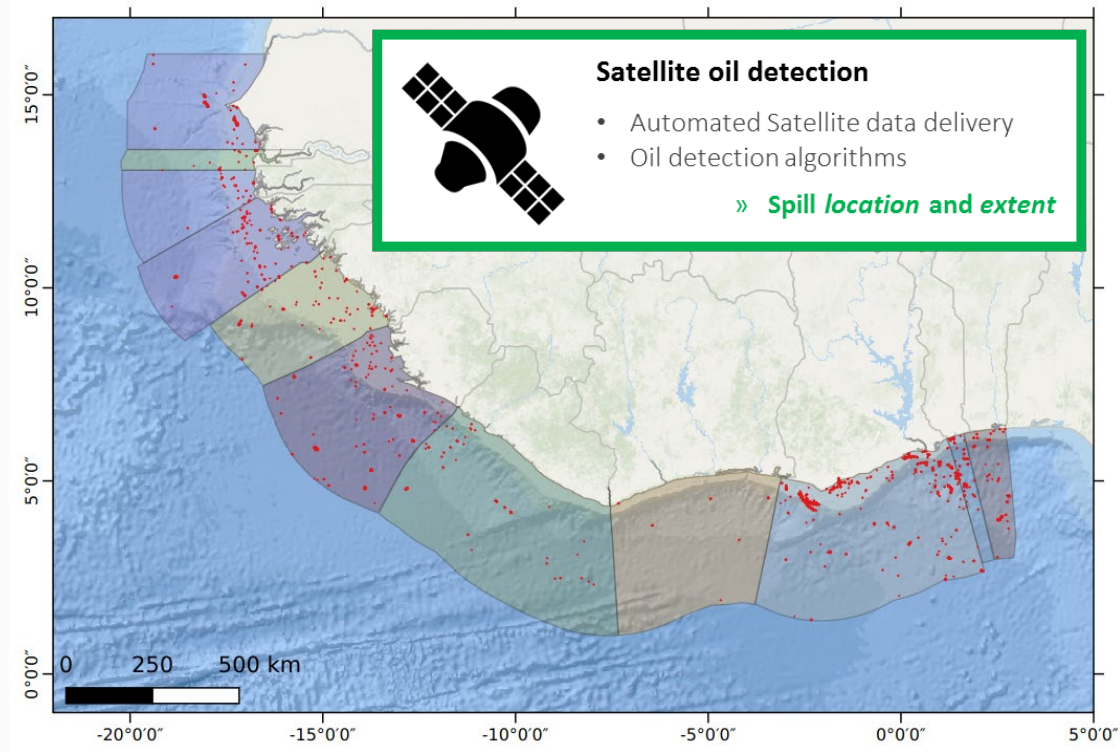
- Coastal zone provides estimated 56% of West Africa's GDP (2015)
- Unsustainable development and inadequate management of the coastal zone is threatening the productivity of coastal ecosystems and the lives and livelihoods of their inhabitants
- Solutions require regional approach to manage transboundary issues, and involve multisectoral investments / interventions



Figures from WACA Brochure. World Bank, 2015

EO4SD contribution

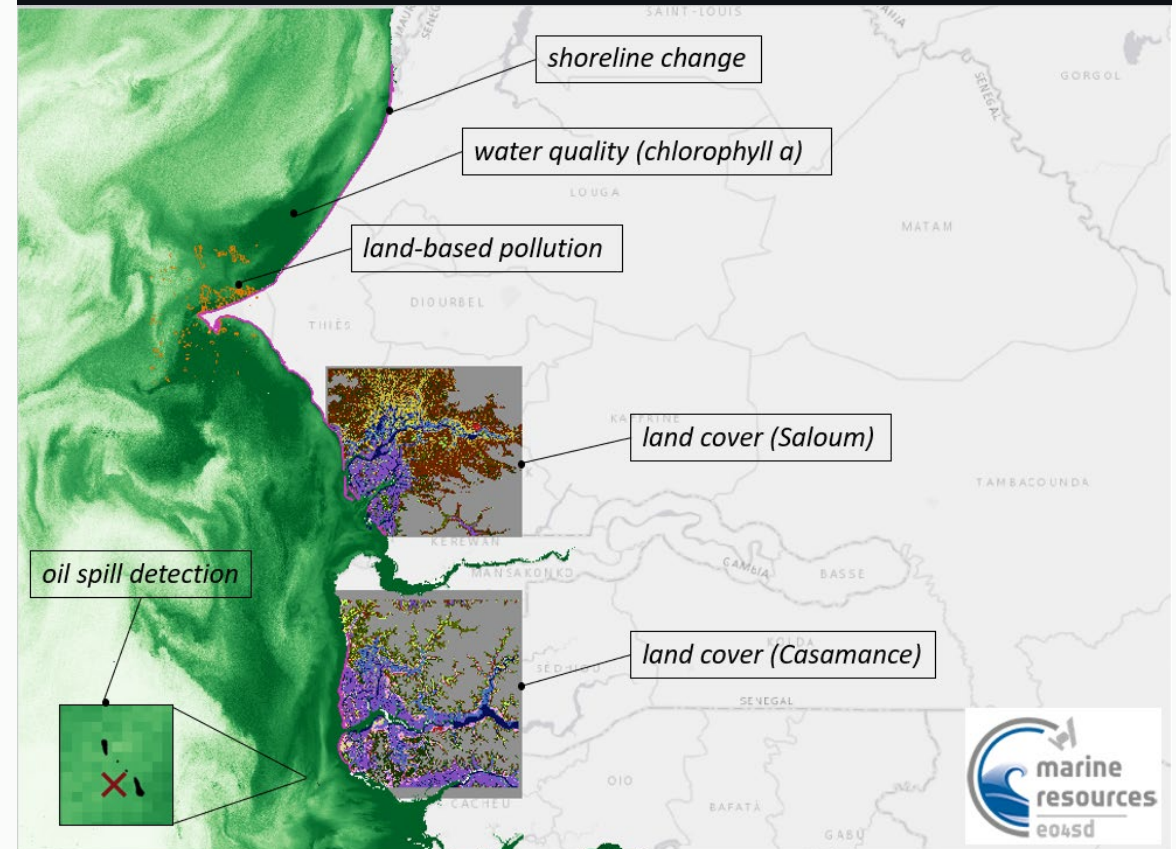
- Mapping and Monitoring services
- Capacity Development Activities



EO4SD Marine Resources - Senegal

Overview of available Data Products

Janne Ott with contributions from across the EO4SD team (see below)
August 4, 2021



Pathways forward for EO services

- Integration of regionally harmonised EO services into Coastal Observatory (ORLOA)
- Marine Spatial Planning under Abidjan Convention - *through collaboration with IUCN* - Integration of EO services into regional approach
- Develop EO 'thread' within WACA REsIP 2 Research Partnerships
- Broadening Engagement e.g. PRCM, RAMP AO have offices in Senegal deliver regional activities - all require / have needs for overlapping EO services



Coral reefs are in danger and rainforests are disappearing. How much remains of these ecosystems, how are their functions changing and how likely are they to disappear?

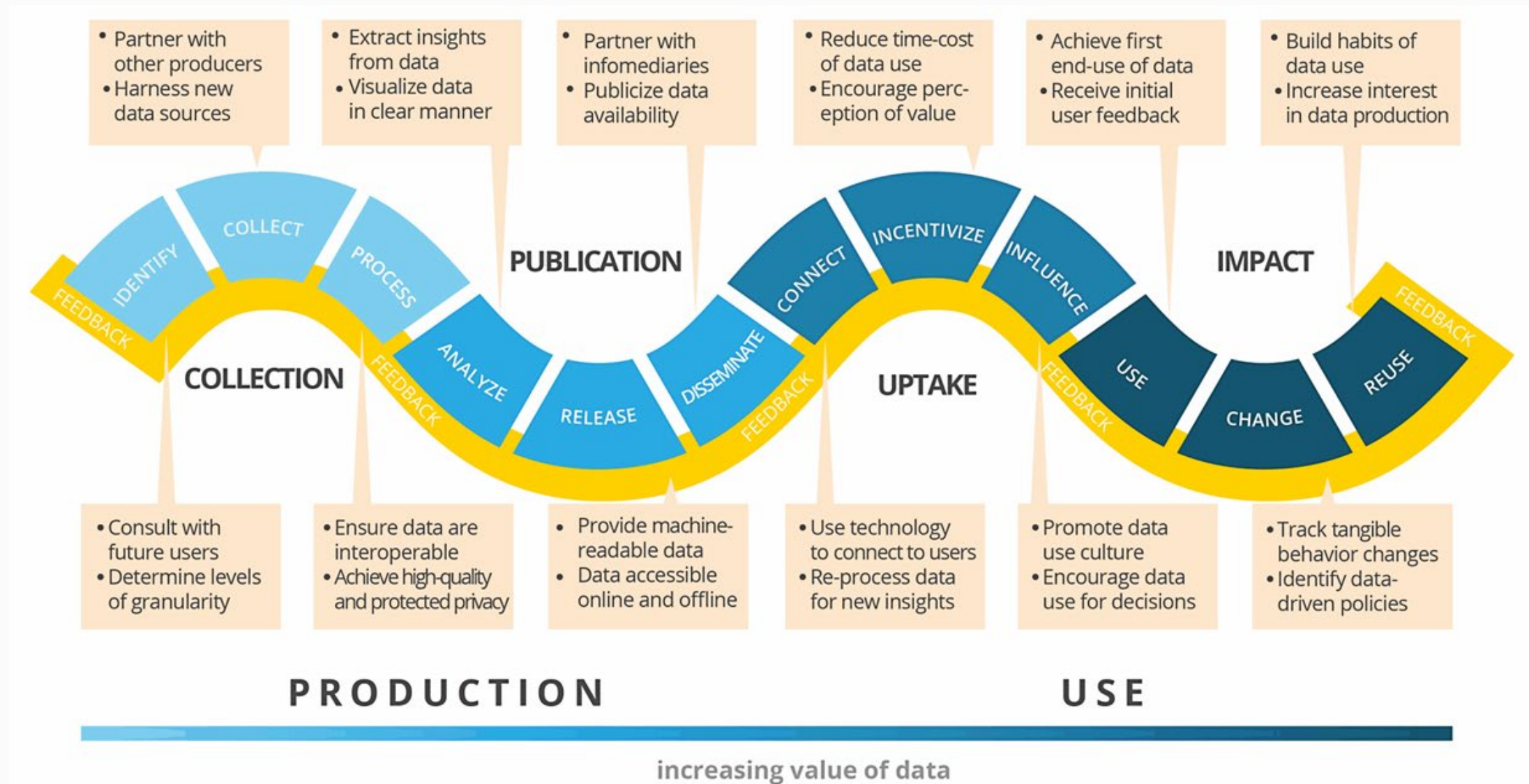


Discussion points

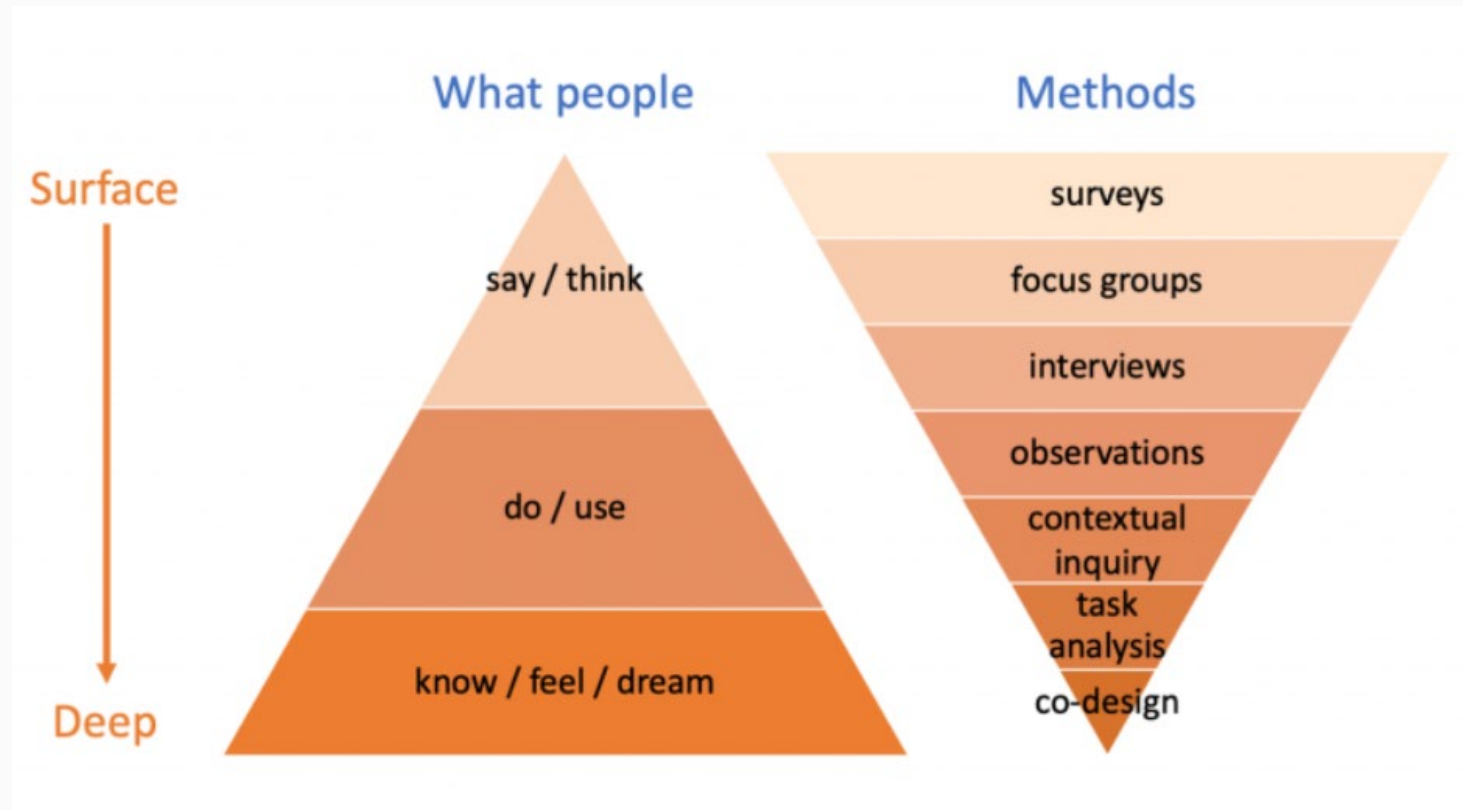
1. Sharpen **focus** to maximise impact (depth not breadth?)
2. Invest more time in **understanding user needs**, building relationships and trust to facilitate effective feedback and input
3. Supporting development, growth & operation of **knowledge networks**
4. Planning for **calibration and validation** activities (where needed) + **Data culture** and data management



How far do we go along the value chain?



Understanding User Needs and getting input to development process



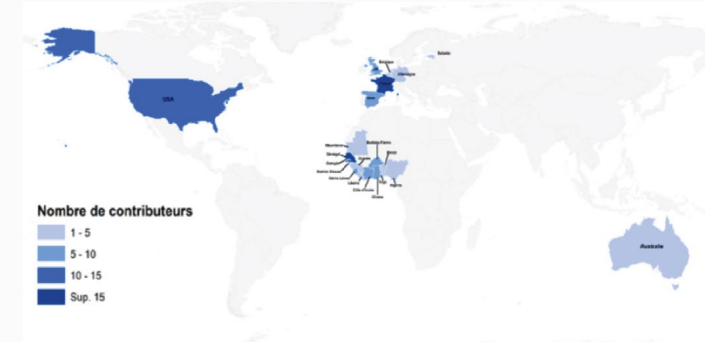
Supporting development, growth, operation of knowledge networks

Relationship development & trust

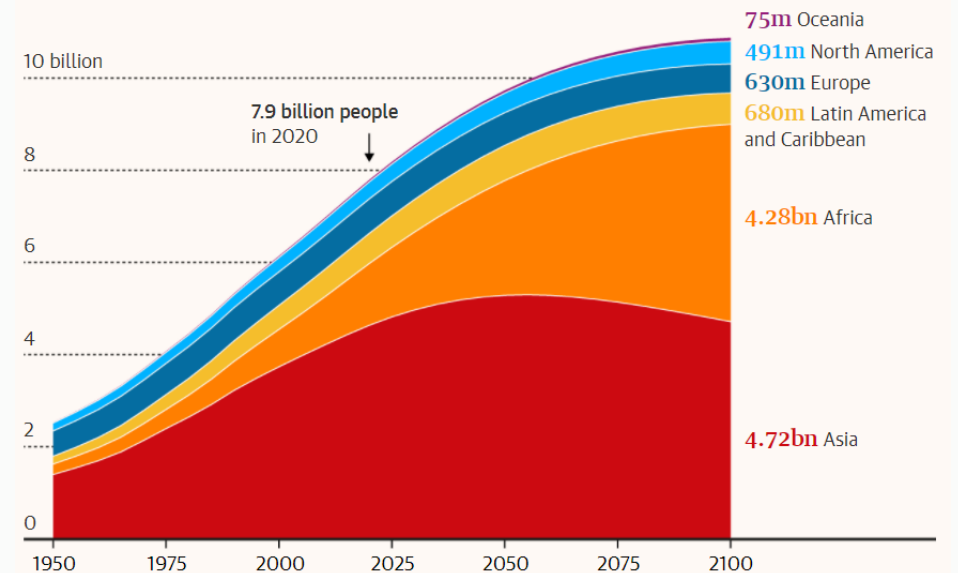
Role of Universities and Research Institutes

How do we:

- Enable participation in the service development and delivery processes?
- Enable better access / connection to International EO community
- Support (EO) innovation and entrepreneurship in client states?



The world's population will rise to 10.9bn by 2100, with most of the growth driven by Africa



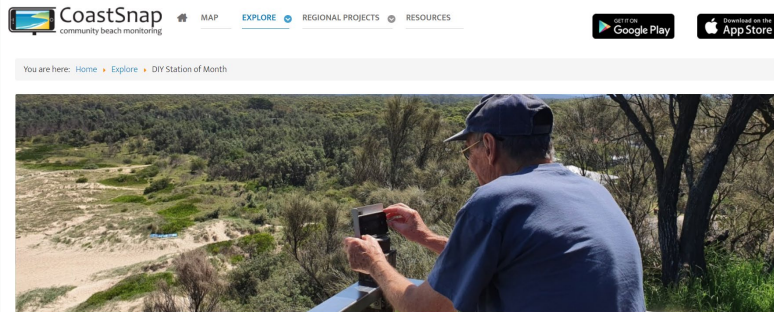
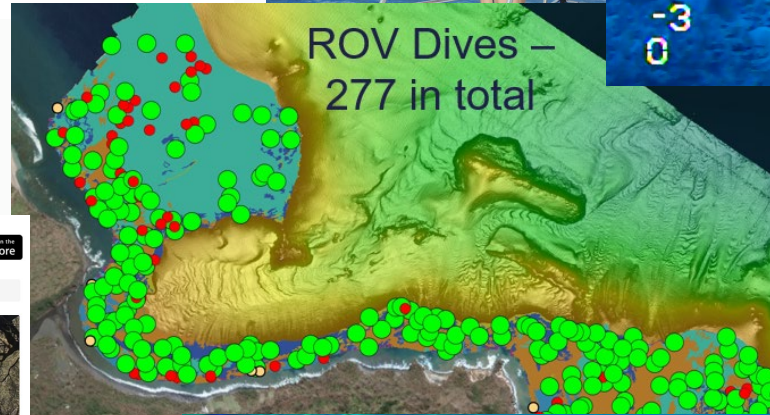
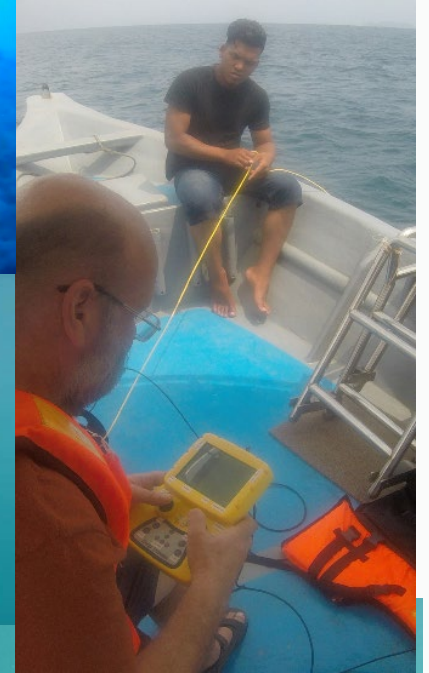
Successfully address calibration/ validation needs

Opportunity to integrate local capacity

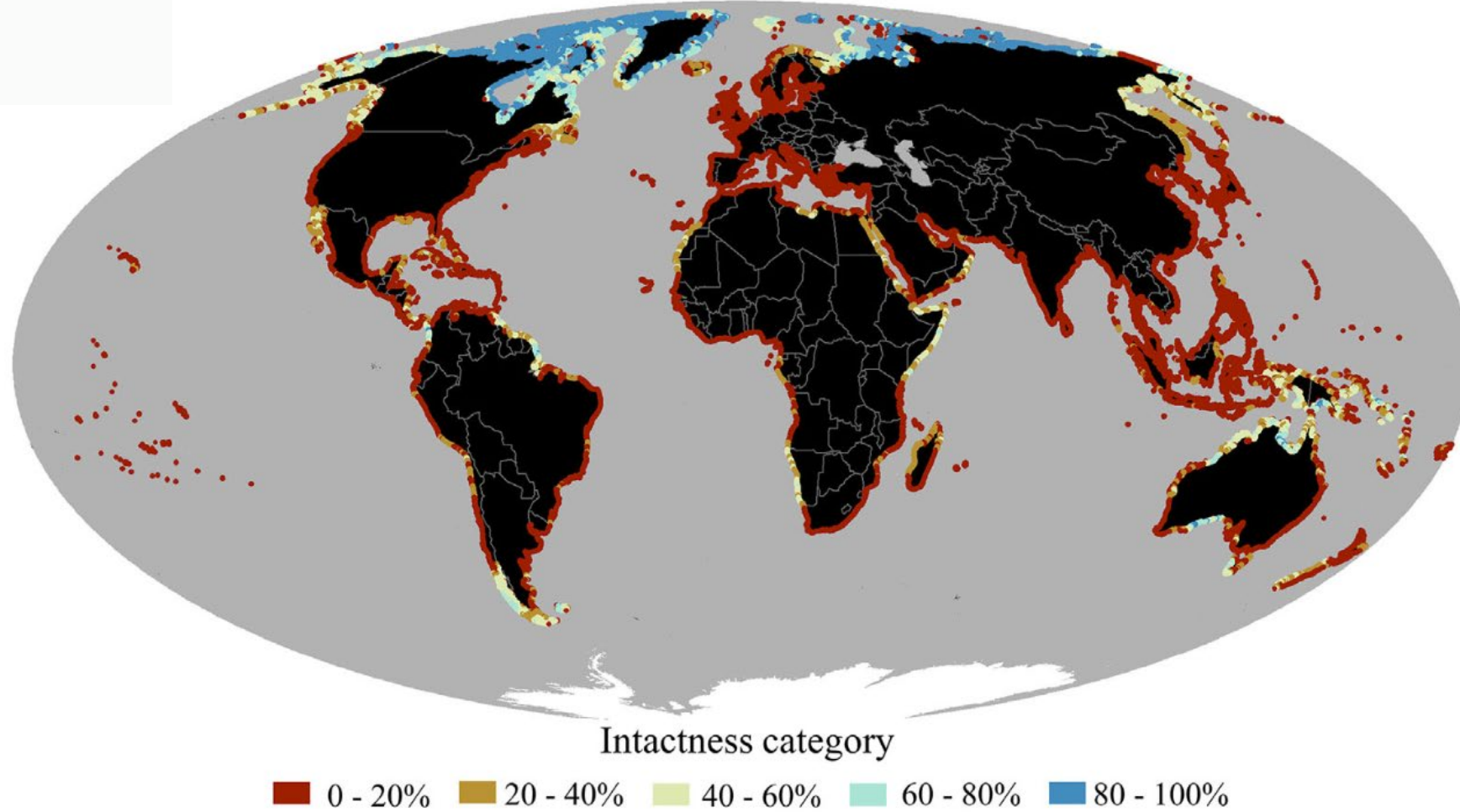
Add value, make real

Citizen science approaches

Data 'hugging' - culture shift?



Global rarity of intact coastal regions - 47.9% of coastal regions are heavily affected by humanity, and in most countries (84.1%) > 50% of their coastal regions are degraded.





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Thank you

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