



Outreach to IHO RHCs

Seabed 2030 Update and Lessons Learned from SAIHC Coordinator

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South African Navy Hydrographic Office

Virtual Meeting 14th – 16th September 2021



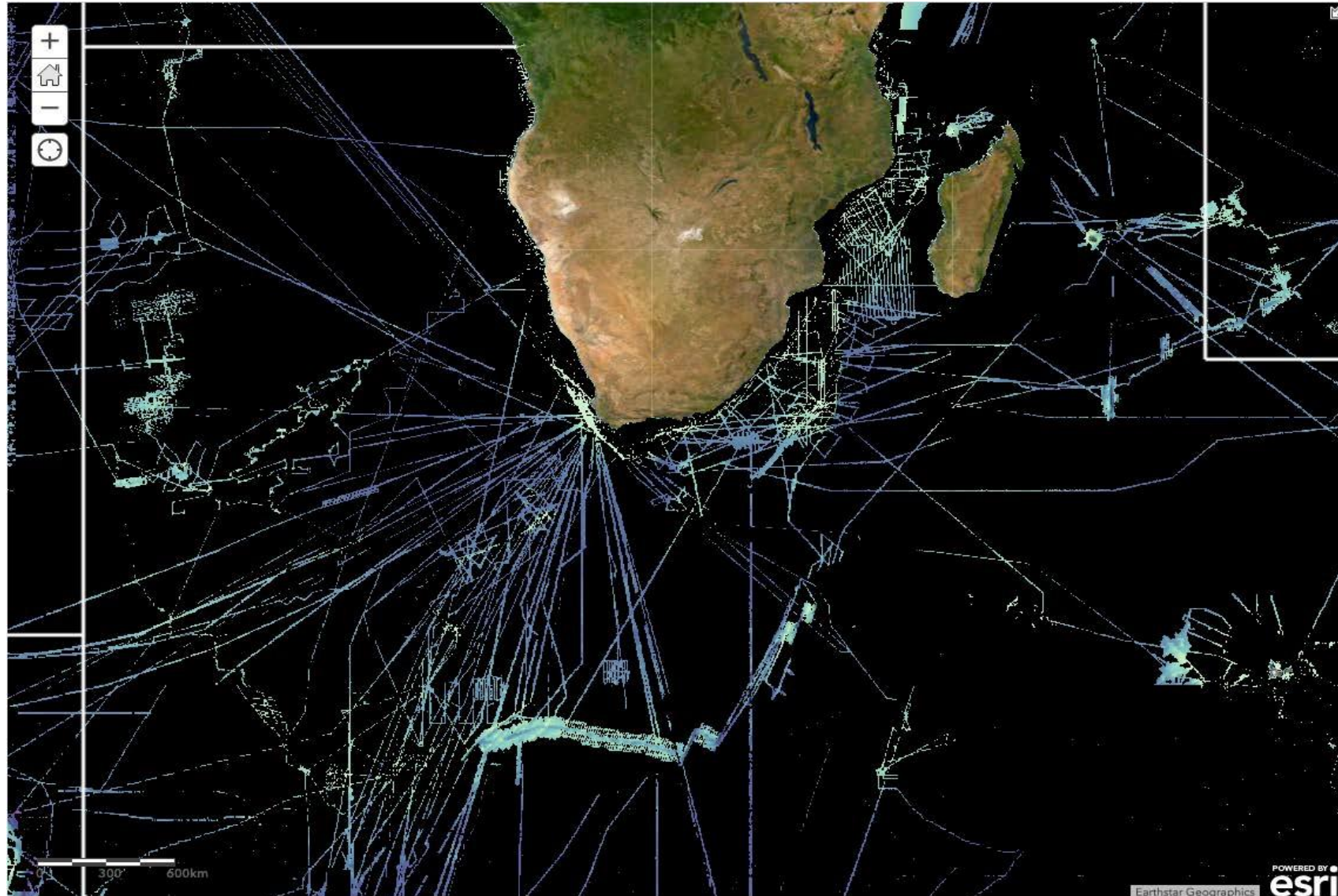
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BACKGROUND & TRIAL CONCEPT



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**Status of Mapping:
GEBCO 2020**



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1. Agreement reached to participate in a trial with the IHO and Seabed 2030 by deploying data loggers in RSA waters.
2. SANHO approached Institute of Maritime Technology (IMT) for technical partnership.
3. The trial concept: **Part 1: Data Collection**
 - Seabed 2030 would supply 50 – 100 data loggers to South Africa.
 - SANHO and IMT would be responsible for managing the loggers and the data.
 - Activities central to data logger deployment includes installation and setting to work the units on various vessels of opportunity - IMT.
 - Ensuring that data is checked and preserved in a central database before it is distributed to the Seabed 2030 community - SANHO.

Part 2: Data Sharing

- Existing survey data / bathymetric datasets / gridded products - Survey / Exploration / Engineering sectors.
- Low density datasets & gridded products (large grid/bin sizes), polygons of areas surveyed/explored where data exists.





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EXECUTING THE TRIAL



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1. Identify and introduce the concept the SA & SAIHC role-players (**Part 1 & 2**): **Ongoing**
 - **26 Stakeholders identified & approached, 23 favourable response, including Seychelles.**
 - Commercial Fishing Industries.
 - Recreational boating (fishing and diving charters).
 - Government Vessels (SA Navy and Research vessels).
 - Small scale / subsistence fishing community.
 - Private sector.
 - SAIHC Member States.
2. Establish working relationships with participating Stakeholders (**Part 1 & 2**):
23 Stakeholders.
3. Identify suitable vessels and conduct feasibility study – IMT visit vessels (**Part 1**):
3 successful Stakeholders, 1 in progress, Ongoing.
4. Install and set data loggers to work – all technical support/tasks conducted by IMT/SANHO staff: **4 loggers installed and set to work (M/V Edinburgh, 2 x NSRI, IMT)**





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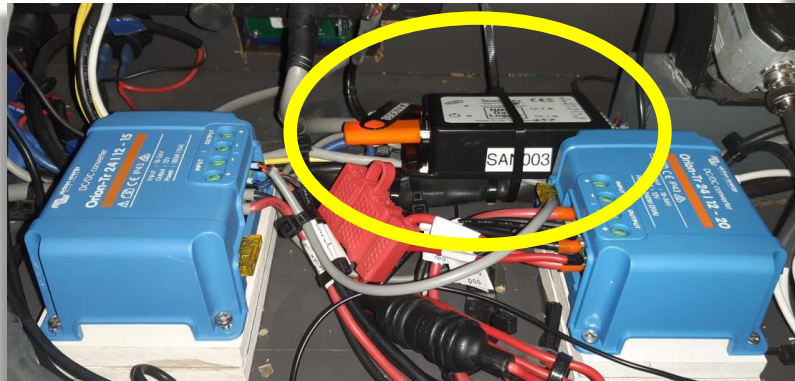
EXECUTING THE TRIAL



“Sea Lab 1”, IMT – trial deployment



“M/V Edinburgh”, Ovenstone Agencies & Tristan Lobster – Tristan Da Cunha



NSRI Rescue Launches (x2)





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5. Data Sharing (*Part 2*): **8 Stakeholders providing datasets & gridded products, 1 providing polygons of areas surveyed, 1 talks in progress, and 5 Stakeholders provided further contact information only**
6. Establish a feedback loop to coordinate activities and provide up to date information on activities, challenges and opportunities: **Ongoing**
7. Provide ongoing technical assistance when required: **Ongoing**
8. Participation credited on SANHO website: **Ongoing**
9. Inviting SAIHC Member States & Primary Charting Authorities to participate in CSB efforts.





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**Shared data progress:
September 2021**



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CHALLENGES & OPPORTUNITIES



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1. Challenges:

- Low / tentative responses from commercial fishing and offshore mining industries:
 - commercial sensitive information → continue talks, demonstrate that information will be in safe custody.
 - low “First to Jump” willingness → develop “showcase model” to demonstrate process and results.
- COVID-19 Pandemic restrictions: quarantined vessels, restrictions on travel and meetings, availability → use any and all opportunities.
- Lengthy decision-making processes for participation approval → continuous follow-up.
- limited off-the-shelf deployments: mostly coastal vessel traffic → bolster own database, used to develop “showcase model”.
- SAIHC Member States not committed to CSB yet → Member States invited to note IHO Circular Letter 06/2020, and to encourage authorities to participate in CSB within National Waters of Jurisdiction.

2. Primary Charting Authorities invited to share CSB/GEBCO/Seabed 2030 contributions and activities with appropriate Hydrographic Commission CSB coordinators in order to track progress, identify challenges and opportunities.



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Thank You



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