

UK Centre for Seabed Mapping

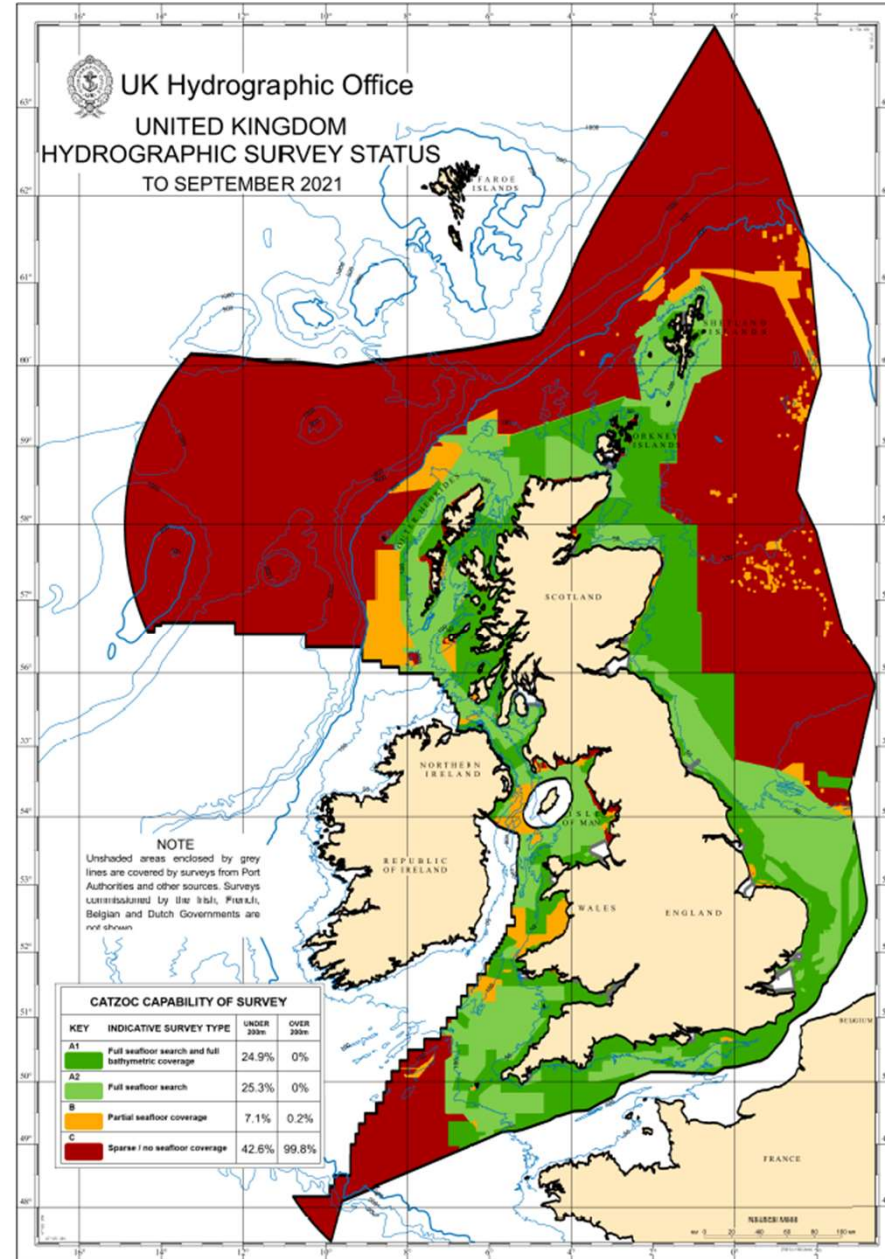
Rob Clarke

UK CSM Programme Manager

UK Seabed Mapping 2021

- 30+ UK Government organisations
- No single point of responsibility
- No combined voice

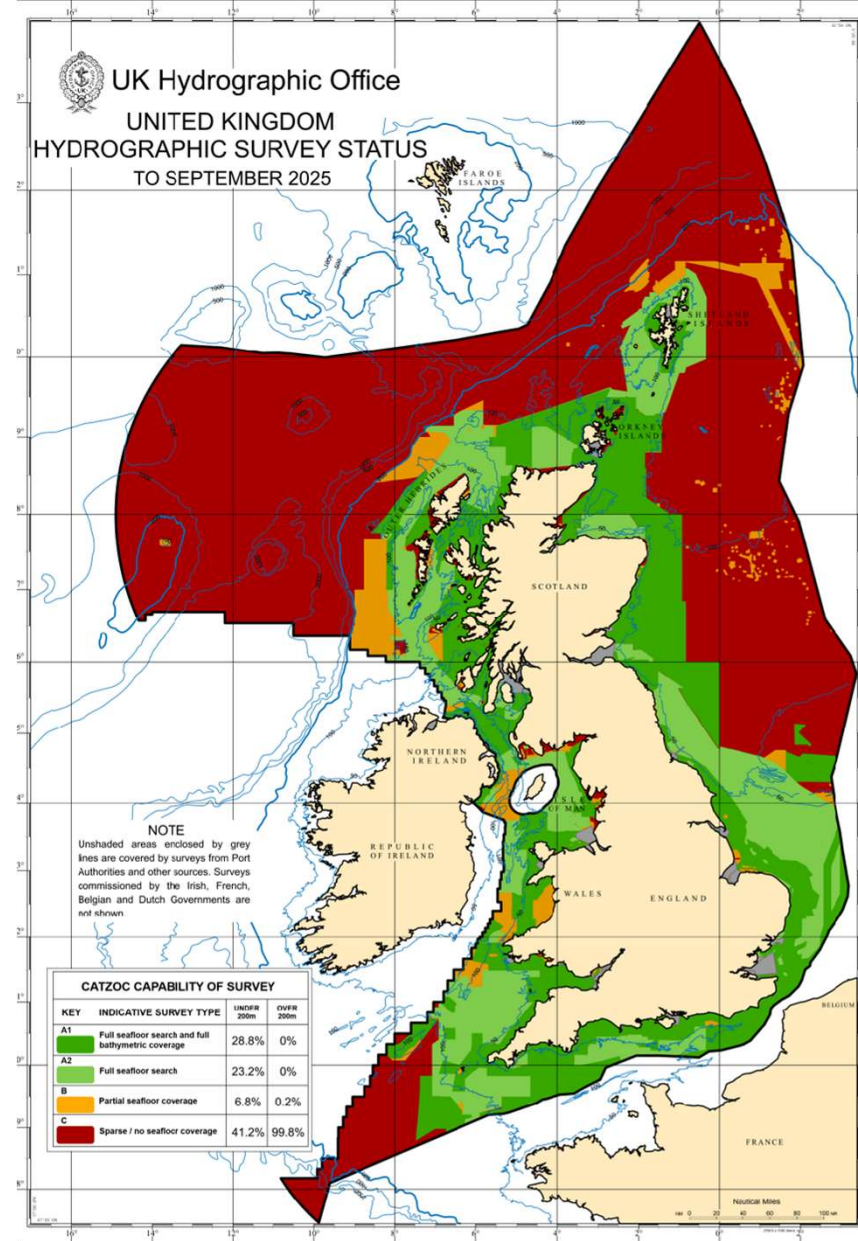
CATZOC CAPABILITY OF SURVEY			
KEY	INDICATIVE SURVEY TYPE	UNDER 200m	OVER 200m
A1	Full seafloor search and full bathymetric coverage	24.9%	0%
A2	Full seafloor search	25.3%	0%
B	Partial seafloor coverage	7.1%	0.2%
C	Sparse / no seafloor coverage	42.6%	99.8%



UK Seabed Mapping 2025

CATZOC CAPABILITY OF SURVEY			
KEY	INDICATIVE SURVEY TYPE	UNDER 200m	OVER 200m
A1	Full seafloor search and full bathymetric coverage	28.8%	0%
A2	Full seafloor search	23.2%	0%
B	Partial seafloor coverage	6.8%	0.2%
C	Sparse / no seafloor coverage	41.2%	99.8%

6090

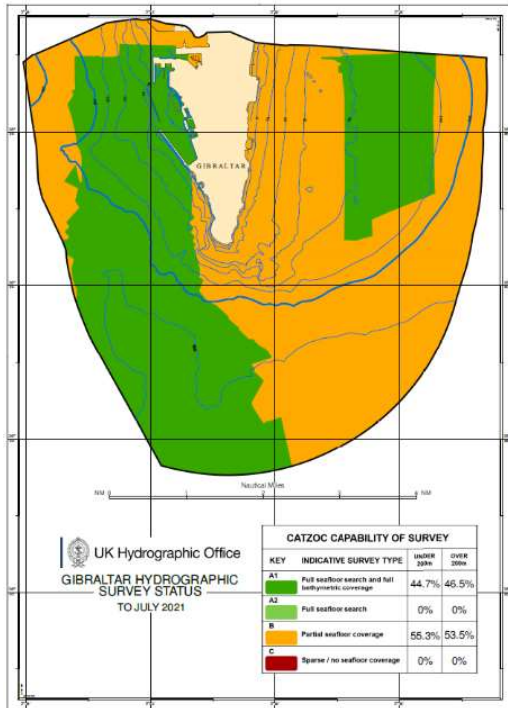


Administered by the:

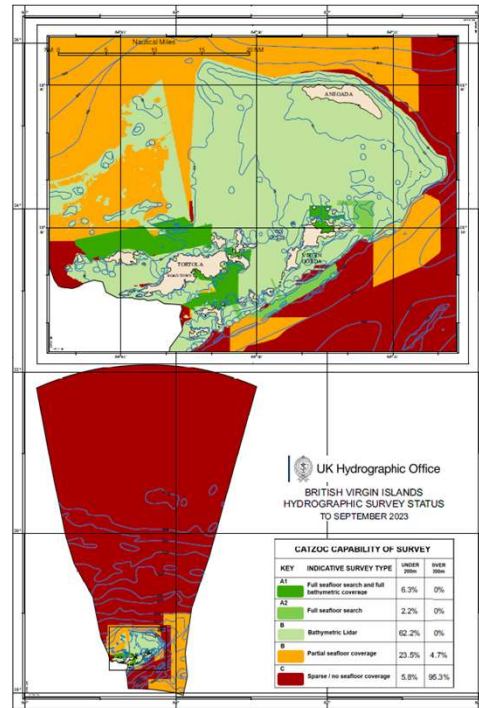


UK CSM - The Issue

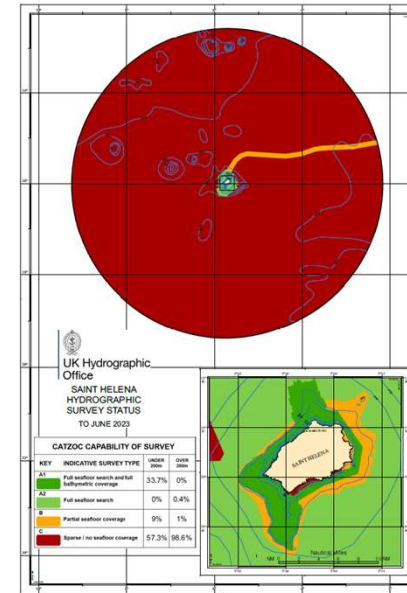
- Less than 2% of the UK EEZ (Global OTs and CDs) mapped to modern standards.



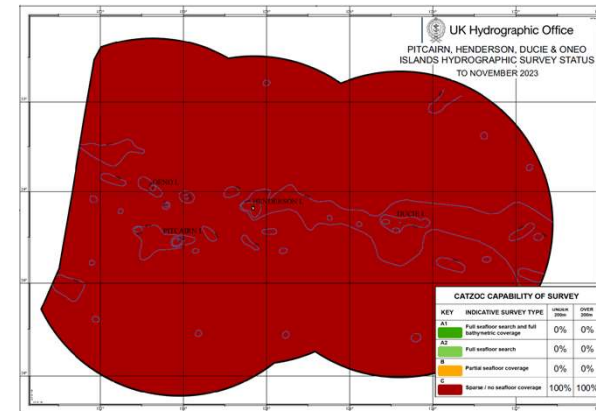
Gibraltar



British Virgin Islands



St Helena



Pitcairn Group

Marine Geospatial Data Priorities

- Four priorities that the UK CSM seeks to address:

- Collaboration



- Data Standards



- Data Accessibility



- Data Collection



UK Centre for Seabed Mapping created...

- **Vision & Mission:**

Collaboration between members to increase the coverage, quality and access of seabed mapping data, and better promote it as a component of national infrastructure.



Recognition by Government

- Recognises ever-increasing demand for more accurate and reliable marine geospatial information
- UK CSM - a centre of excellence
- Coordinate cross-government and industry collaboration
- Increase quantity, quality, and availability of data
- Inform government to support security, prosperity, and environmental objectives.”



Defra, FCDO, MOD, DfT,
Home Office

Conditions: Will need to
be reported on progress.

UK Centre for Seabed Mapping

Administered by the:



34 Members

UK CSM Structure

COAST - Coast and Ocean Applied Systems Thinking Committee



Steering Committee



Management Group



National
Coordination



International
Coordination



Data
Standards and
Specifications



Wreck
Mapping



Applications
of Seabed
Mapping



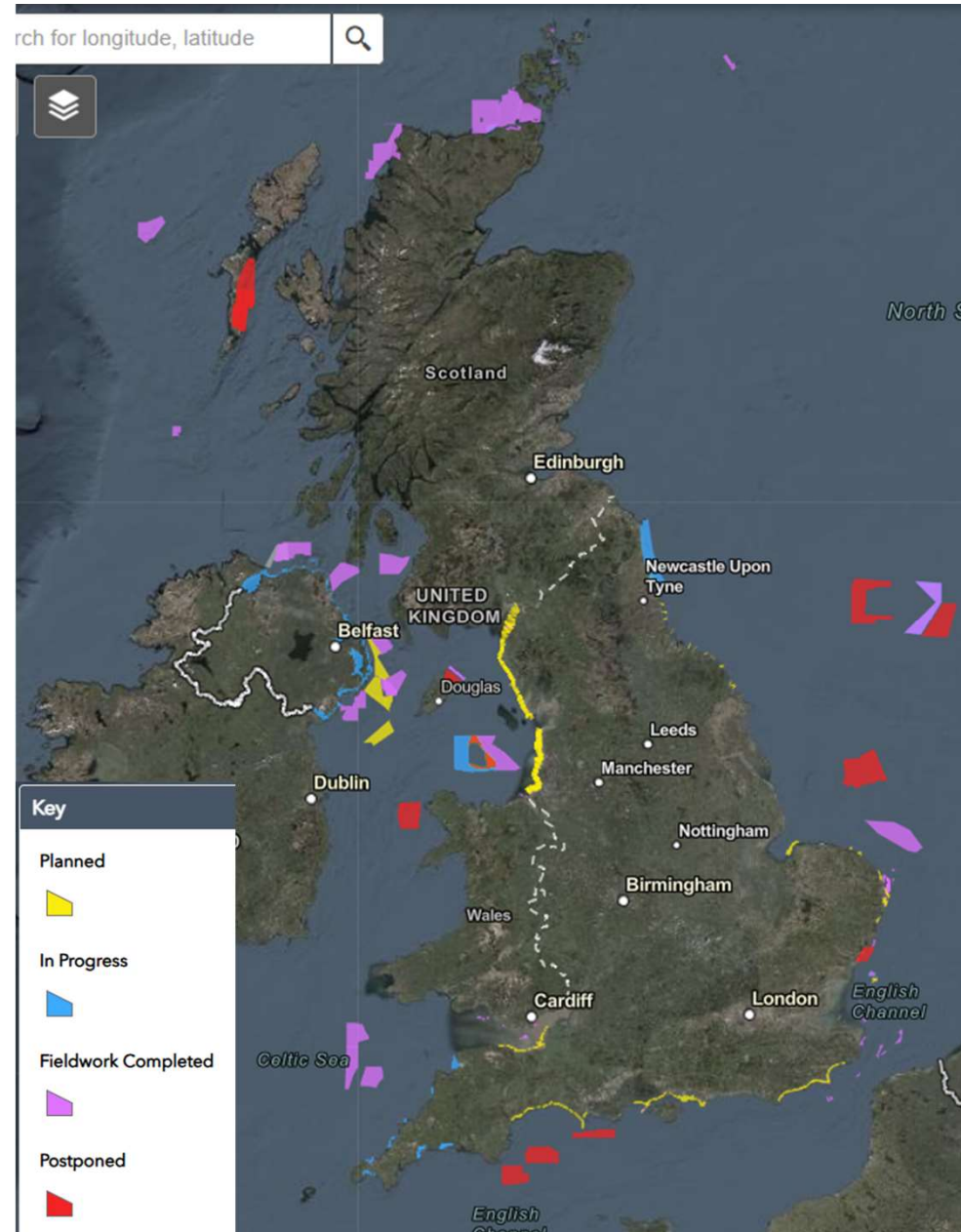
Education and
Research

Collective Membership

Planning and Coordination

Planning Information Portal

Joint Survey

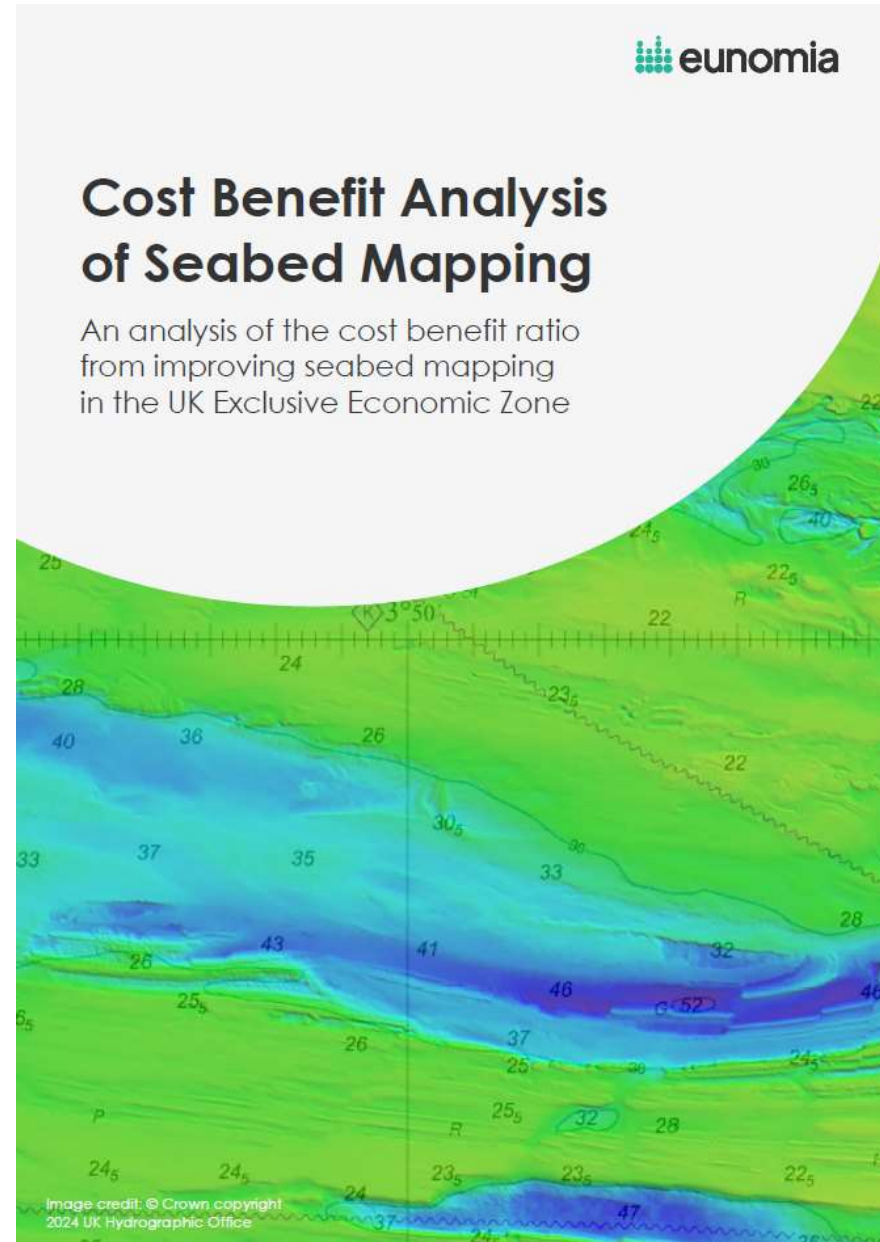


UN Decade of Ocean Science for Sustainable Development

- Commitment to the UN Ocean Conference
- UK CSM contributes to the UN Ocean Decade
- **SDG 9:** Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation;
- **SDG 14:** Conserve and sustainably use the oceans seas and marine resources for sustainable development.



- Commissioned study into the return on investment available from seabed mapping to the wider UK economy.
- UK Cost Benefit Analysis – 1:86 cost benefit ratio.



Summary

- The UK CSM is an endeavour to increase the progress towards a fully mapped UK seabed for the benefit of society
- Seabed Mapping has significant benefits, exceeding its cost in long-term
- UK CSM created a community of seabed mapping expertise, speaking with one voice and acting as a national focal point
- A public survey specification allowing everyone to contribute to a prosperous, secure and sustainable future



Scan this QR code to learn
more about the UK CSM.



An aerial photograph of the ocean at sunset. The sky is a gradient of orange and yellow, transitioning into a deep blue over the water. A small boat is visible on the right side of the frame. The text "Thank you" is centered in the upper half of the image.

Thank you

UK CSM

Collaborating to increase the coverage, quality and access of seabed mapping data