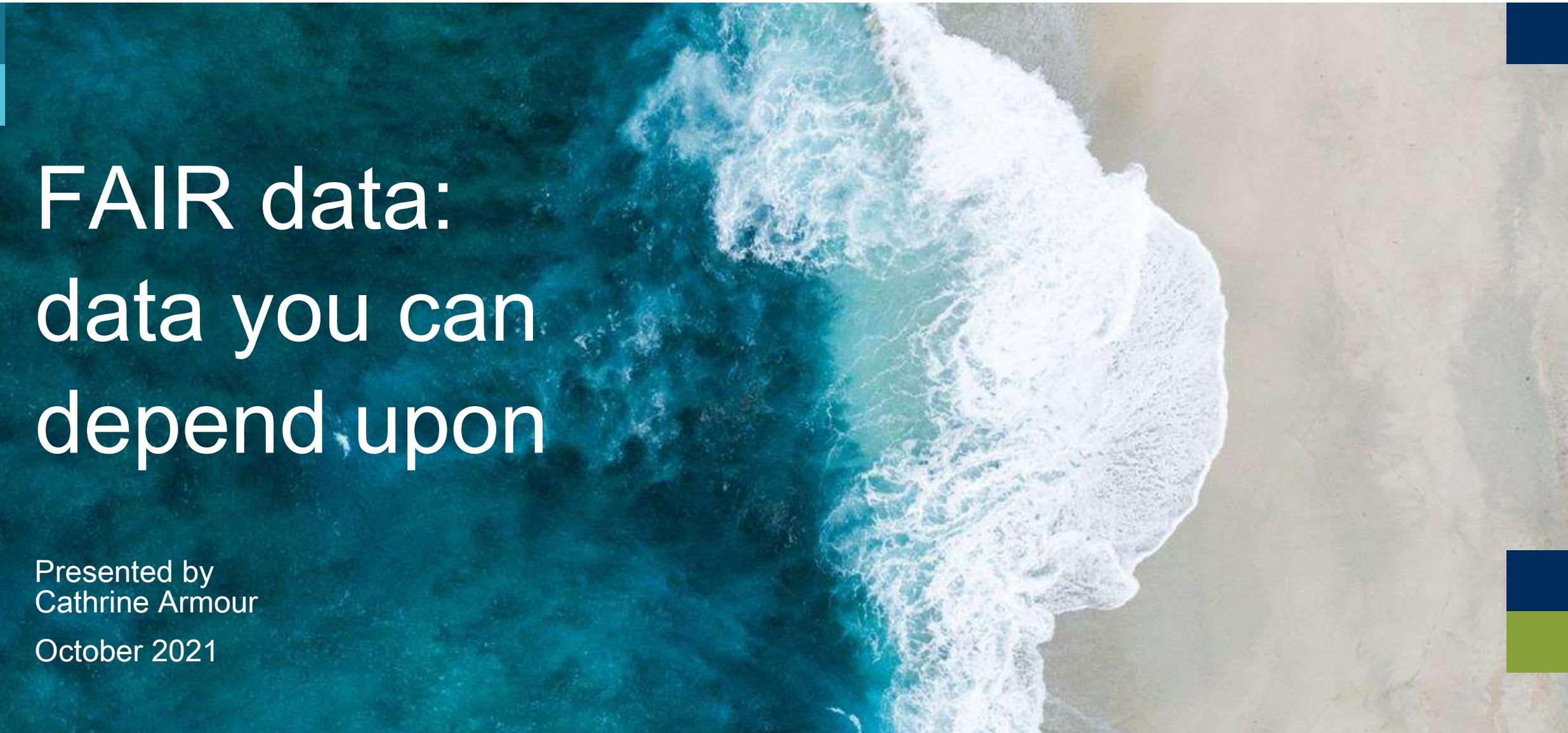




UK Hydrographic
Office

FAIR data: data you can depend upon

Presented by
Cathrine Armour
October 2021





Enabling better use of our oceans

Maritime data underpins nearly every activity in
the ocean space.

We hold data from seabed to surface to help
others make best use of the marine environment.



Our purpose:

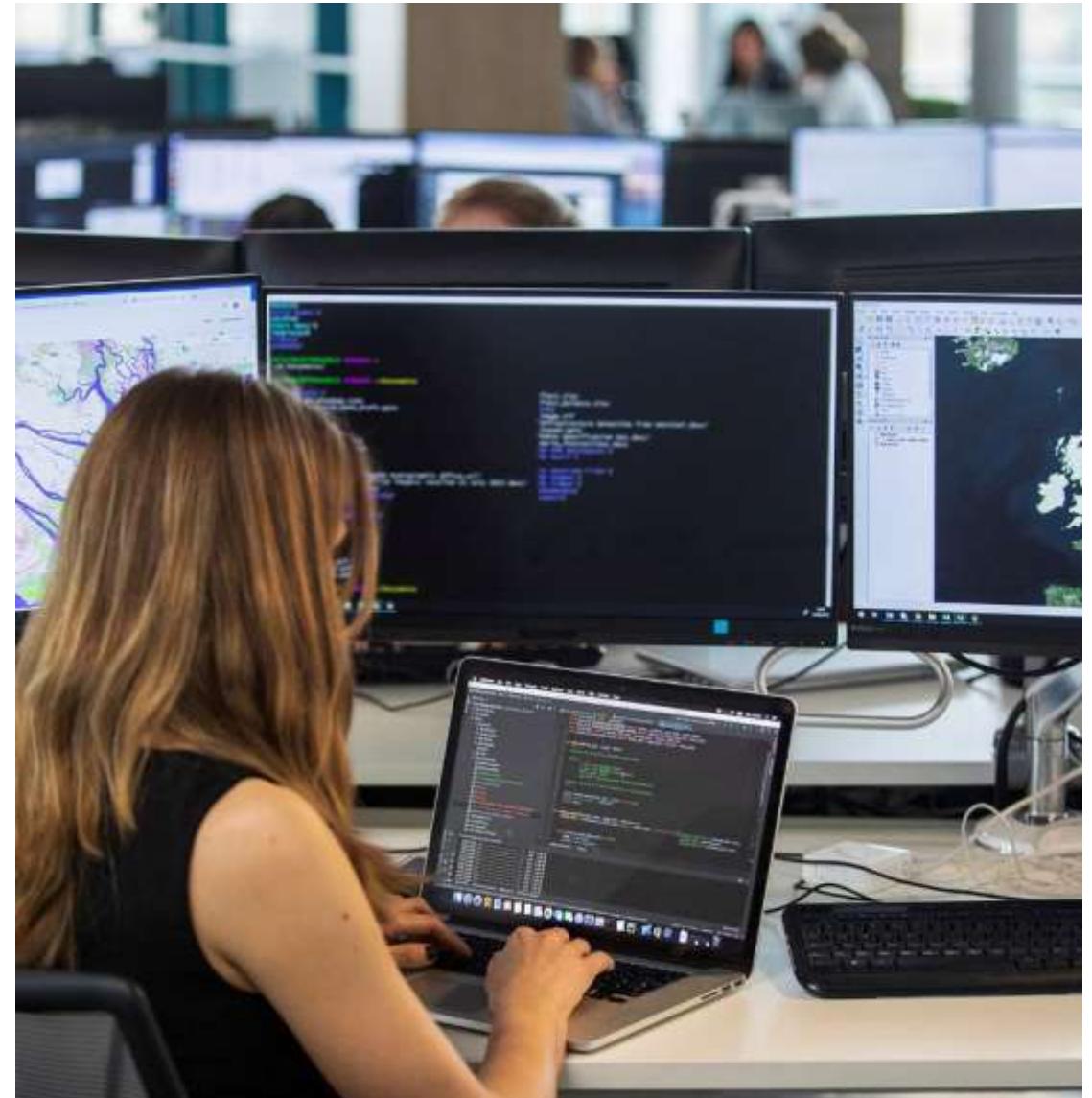
“Supporting safe, secure and thriving oceans”



FAIR Data and the Power of Partnering

In the maritime industry marine geospatial data is shaping the solutions for the future.

- › Partnering and sharing information across the maritime community will unlock the value of this data, working collectively to build a thriving blue economy.
- › We hold vast volumes of data, collected from our global network of sources - government organisations, hydrographic offices and other partners across the world
- › FAIR: Findable, Accessible, Interoperable and Reusable





Data standards of the future

A common set of standards is vital to ensure data will be valuable to those using it both now and in the future.

- › UN Sustainable Development Goals
- › The IHO S-100 Data Framework will become the new standard for marine navigation and will help underpin the next generation of navigation technology and sustainable ocean management
- › The UK's Geospatial Commission aims to improve the way geospatial data is used and shared in the UK
- › <https://youtu.be/jMmREZ-S7tE>





Comprehensive maritime data in one place

We make a number of data sets available via our ADMIRALTY Marine Data Portal – <https://www.datahub.admiralty.co.uk> a single access point for comprehensive maritime data, including:

- › Offshore infrastructure
- › Maritime Limits
- › Seabed composition
- › HMNAO astronomical and calendar information
- › Bathymetry
- › Ships' routeing
- › Contours
- › S-100 trial data sets





Engaging with partners across the globe



Primary Charting responsibility

- › Primary Charting Authority for 71 coastal states
- › Over 130 bilateral arrangements for co-operation



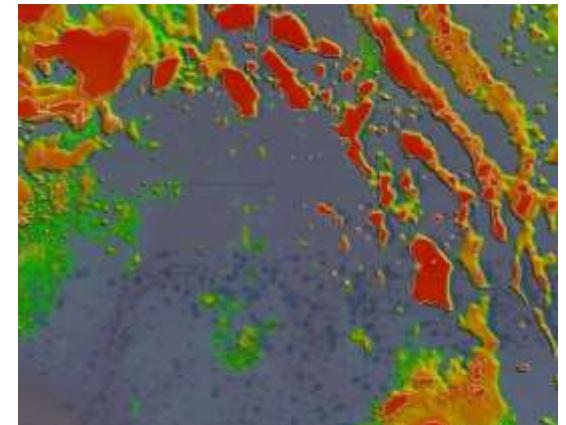
International Hydrographic Programmes

- › Supporting sustainable economic growth in coastal nations - Commonwealth Marine Economies (CME) Programme and Overseas Territories Seabed Mapping Programme



MSDI - Anguilla

- › Developed a web-based portal in collaboration with the Government of Anguilla
- › Making marine data accessible to help protect the marine environment and provide critical coastal infrastructure



Kiribati

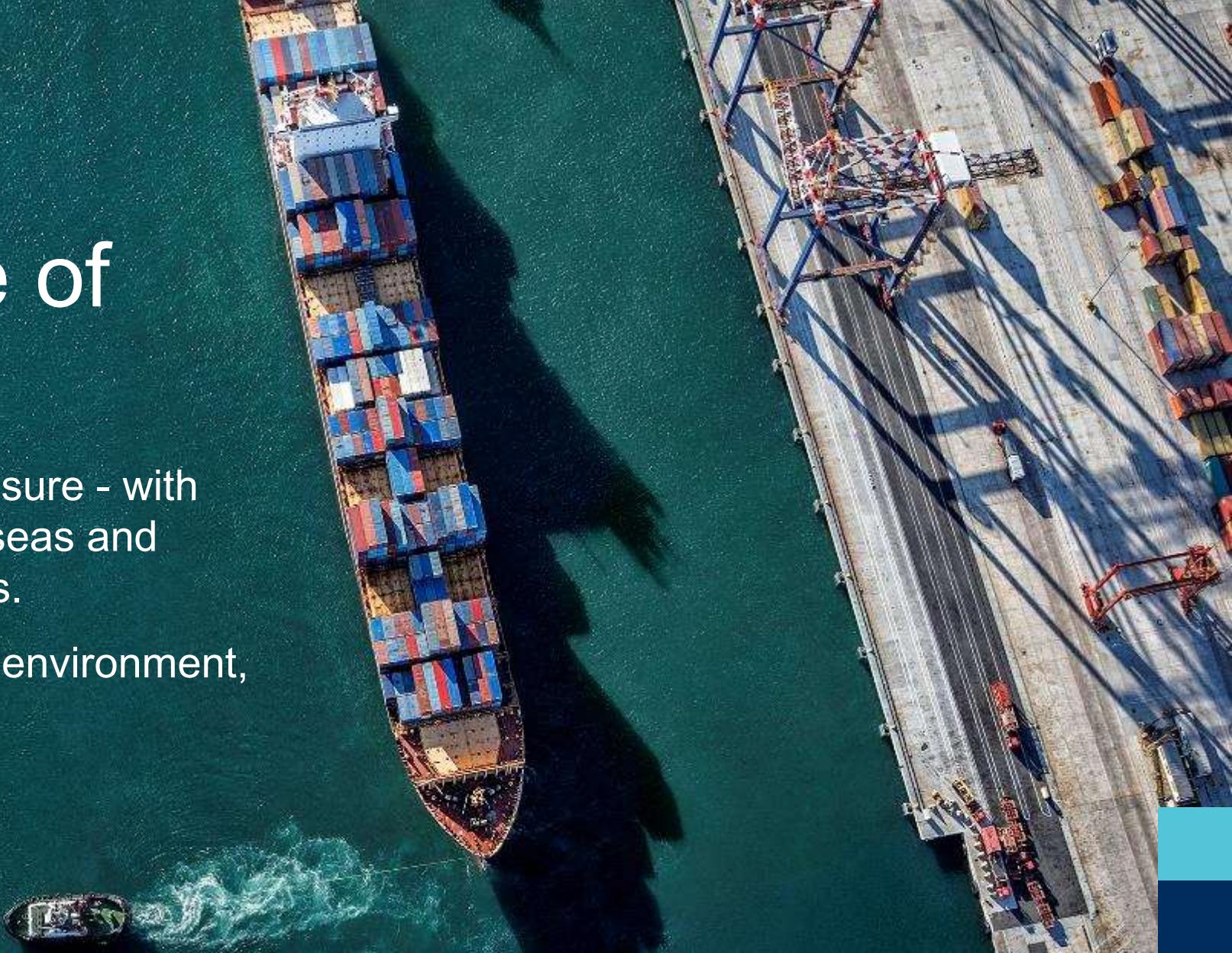
- › Capture of satellite derived bathymetry (SDB) for over 3.5 million km² of ocean
- › Data helped Kiribati Government to identify areas most at risk to flooding and plan sea defences accordingly



The importance of maritime data

Our oceans face increasing pressure - with advances in technology, busier seas and pressing environment challenges.

When making use of the marine environment, every decision counts.





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Thank you

