

Before EMODnet, the objectives & its impact on the marine data landscape and the life of its users: a personal view

Webinar - EMODnet
A decade of achievements
connecting marine data to knowledge

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Before EMODnet

Separate projects, silos & standards!

GSI both marine geologists & seabed mappers with Marine Institute







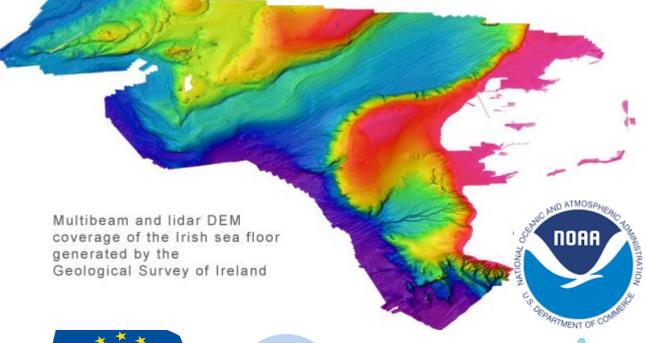
















EMODnet Geology; Seamless marine geology maps & data

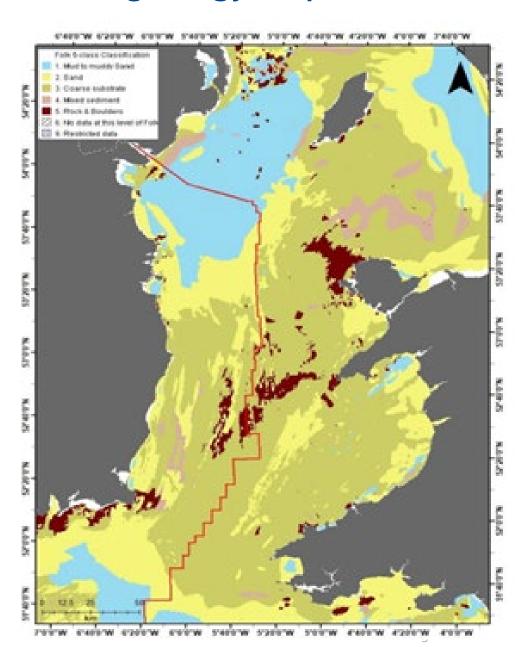


The Geological Surveys of Europe

Marine Expert Group
Direction & budget!
Stronger organisations- Best Practice
Smaller organisations- Data online
or first ever marine geology budget!

Marine geology without borders!

Now supporting ORE development





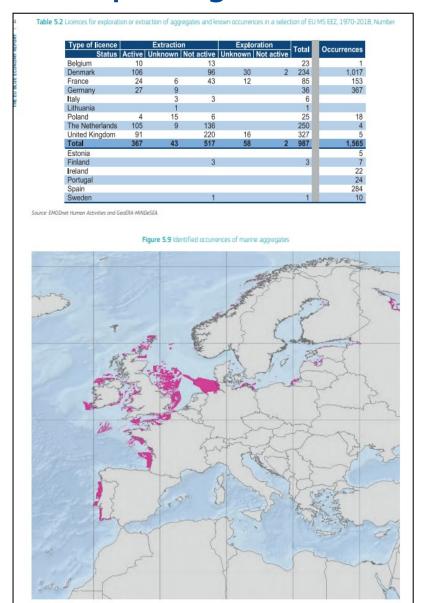
INFOMAR data supports offshore energy development and MSP in the Irish offshore via the EMODnet Geology portal

 Quarterly Journal of Engineering Geology and Hydrogeology 2020.

Fig. 9. Seabed substrate map from the EMODnet Geology data portal showing substrate type for the area of interest in the Irish Sea. Red line indicates Ireland's Exclusive Economic Zone. EMODnet Geology, 2016 seabed substrate 1: 250 000 – Europe © EMODnet Geology, European Commission, 2016. Available at www.emodnet-geology.eu/geonetwork/srv/fin/ostalog.search@bome (last accessed September 2019).

EMODnet Geology; Aggregate data underpinning economics







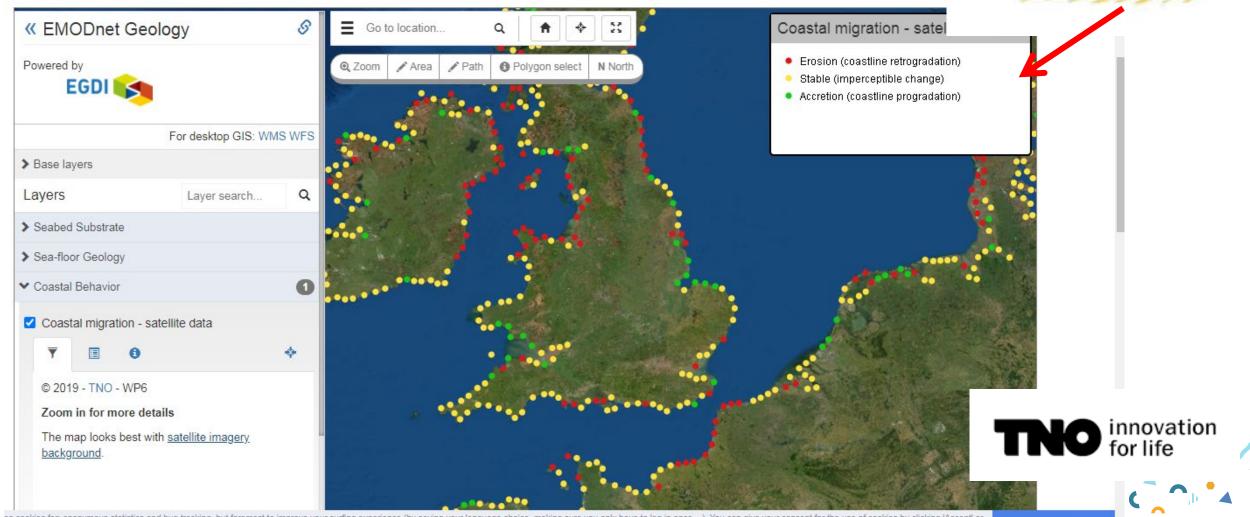


EMODnet - A decade of achievements connecting marine data to knowledge, 22 September 2020

EMODnet Geology: Best practice in Coastal Monitoring-1 Critical Climate Change role

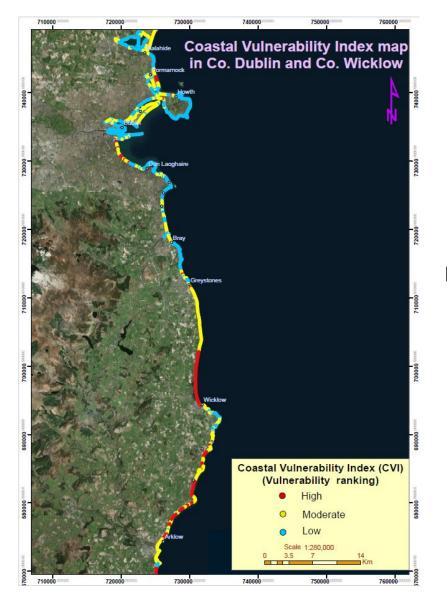
eurosion *

Scroll below the map for general information and instructions. For better usability on small screens, click the fullscreen button.



EMODnet Geology: Best practice in Coastal Monitoring -2

Critical Climate Change role - Irish projects





ESA-GSI: Coastal Erosion from Space





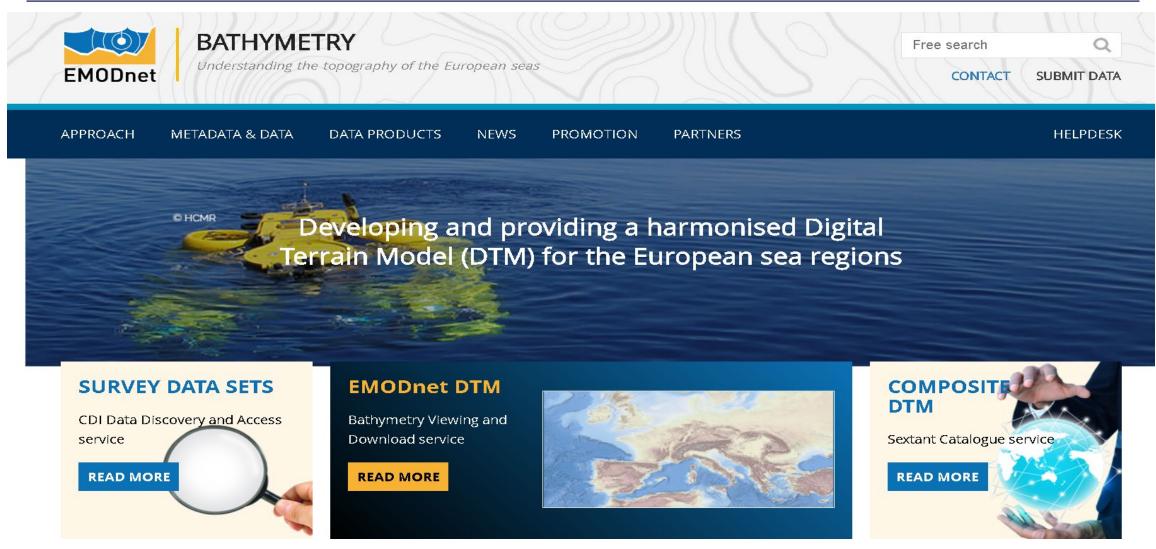
Geological Survey

Suirbhéireacht Gheolaíochta

3/9/2020 New Irish Gov initiative GSI on Technical subgroup

Bathymetry Data Portal





Bathymetry DTM resolution



Phase III (2017-2020) produced a **multi-resolution DTM** with overall resolution increased from 231m to **116m**, with coastal high resolution DTM's provided where available & 3D visualisation

Phase II (2013-2016) produced a DTM of 231m resolution with extended coverage and improved portal functionality

Phase I (2009-2012) produced a **DTM of 463m** resolution and created the portal for viewing and downloading the data



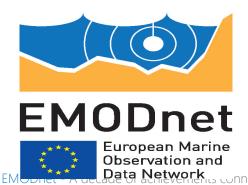
Low resolution DTM=463m

Value to INFOMAR & Ireland



- High-resolution INFOMAR data visible & accessible across European data portals and web services
- Forum for engagement, dialogue & collaboration addressing common marine data sharing challenges
- Opportunity to deliver data products 'adding value'
- New approaches to our data management e.g. INSPIRE compliant, FAIR principles
- Personnel capacity building
- Influencing the future direction and development of products and services
- Building trust & relationships across Europe
- Network of not just machines & data servers but people!



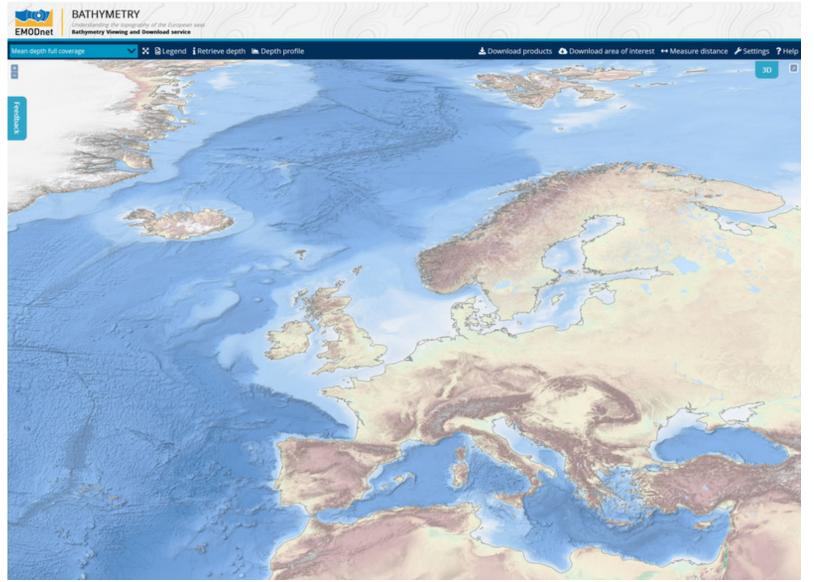




The Real **Mapped** of Ireland Roinn Cumarsáide, Gníomhaithe ar son na hAeráide & Comhshaoil Department of Communications, Climate Action & Environment INFOMAR SURVEY **PLANNING Proposed Survey Areas 2019** Proposed Survey Area CV Primary Proposed Survey Area CV Contingency Proposed Survey Area CE Proposed Survey Area GS Vessels 30nm from Coast Exclusive Economic Zone (EEZ) Marine Institute INFOMAR

EMODnet The Real Map of Europe!







www.emodnet.eu

Your gateway to marine data in Europe