



**British
Geological Survey**

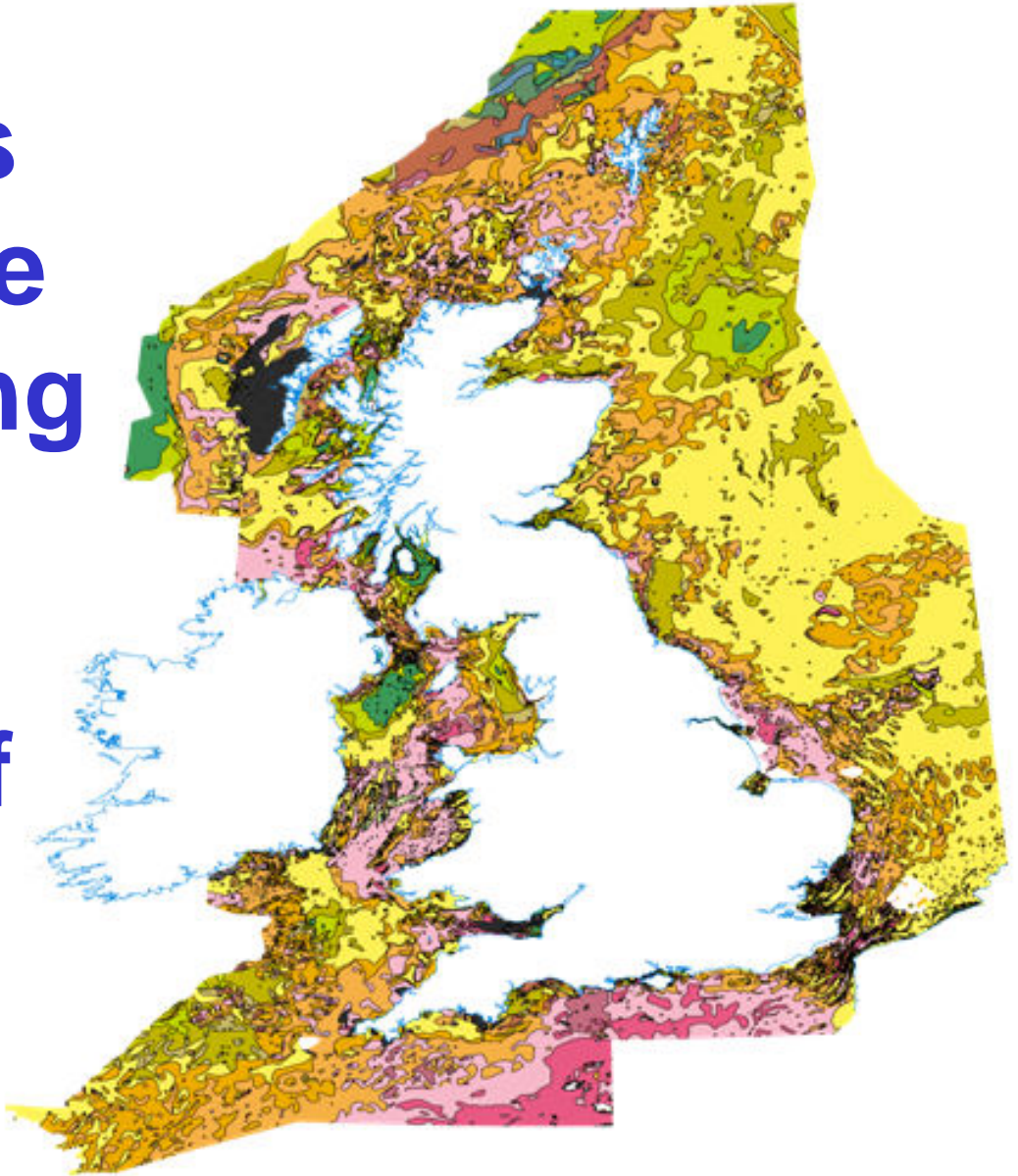
NATURAL ENVIRONMENT RESEARCH COUNCIL



www.bgs.ac.uk

A Geologist's View of Marine Spatial Planning

**Dave Long &
Robert Gatliff**





The Marine Environment

- **To make money!!**

Fishing, aquaculture, aggregates, marine renewables, shipping, ports, oil & gas, tourism,

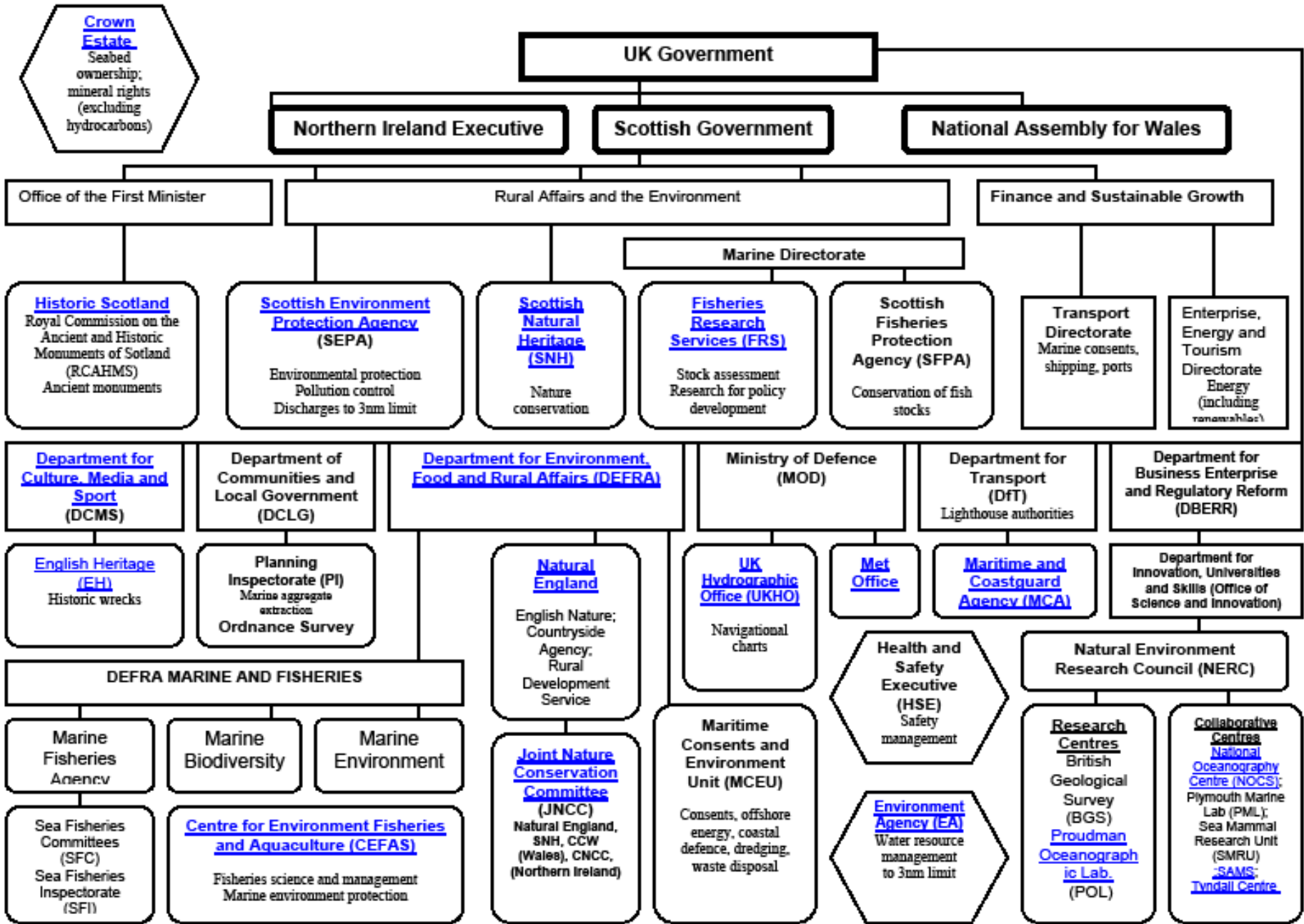
- **Enjoyment and leisure**

- **Defence and Security**

- **Research and education**

Climate change, biodiversity, earth system science, geology, oceanography, sustainable resources, geohazards, archaeology etc

And to control all this we have the regulators.....



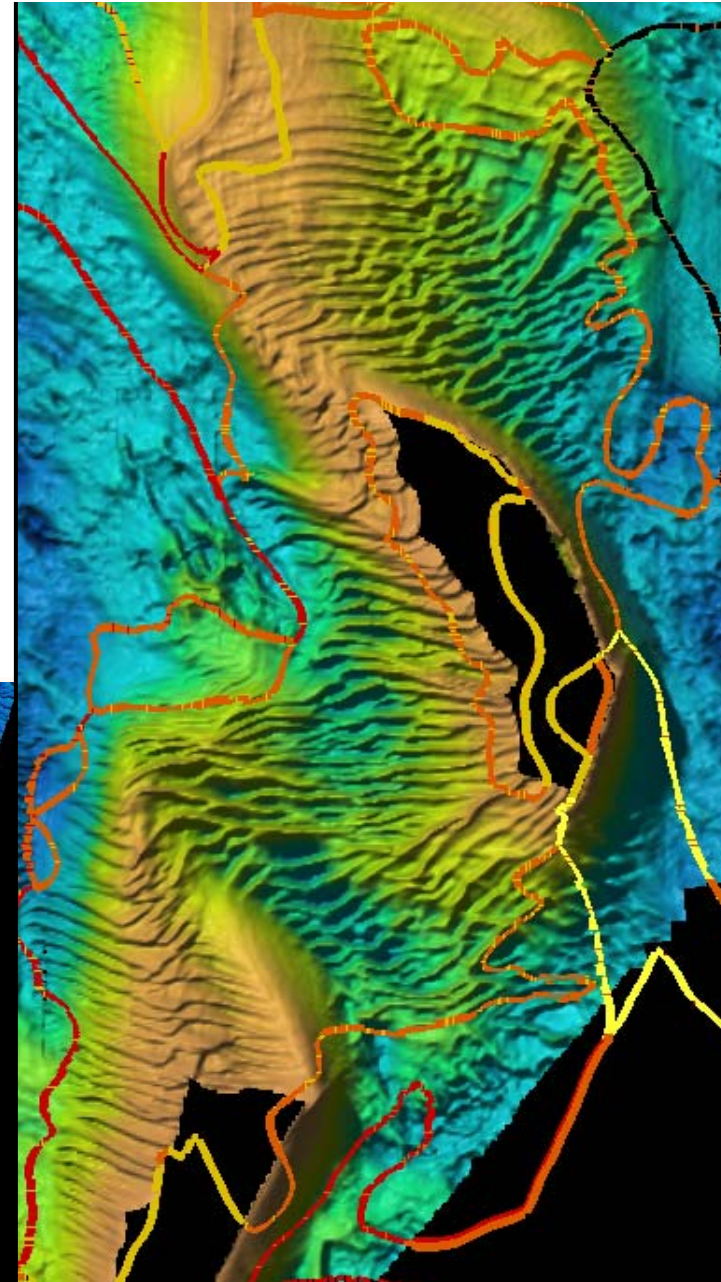
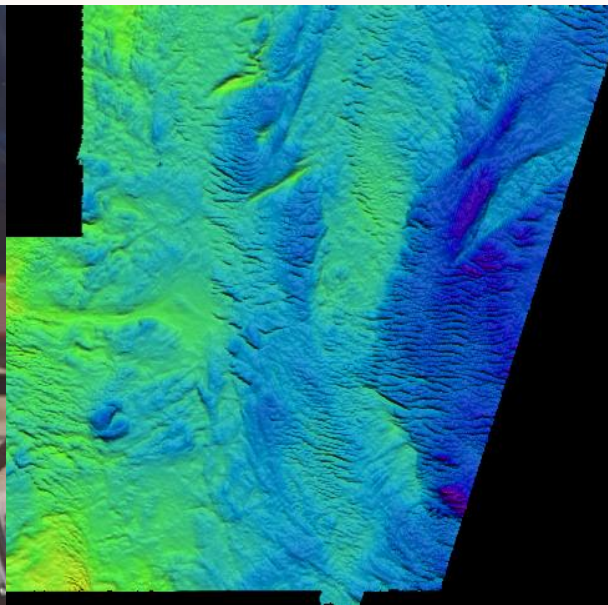


Why Marine Spatial Planning?

- To let UK plc make the best use of our marine resources
- To make regulation simpler
- To allow for competing demands
- To ensure Sustainable Development
- If we don't know what's there, how can we manage, conserve, develop effectively?.....

We don't know what is there!!!

- **Geology underpins marine spatial planning**
- **Detailed seabed mapping required**
- **We have the techniques to do this**





The Future

- A National Marine Mapping Programme based on multibeam
- Integrated use of all existing data and collection programmes
- National geological, habitat, oceanographic and bathymetric maps and models fundamental to successful marine spatial planning
- Without a sound data framework marine spatial planning will be built on sand!!!