



Llywodraeth Cymru
Welsh Government

www.gov.wales

Overwhelming Evidence

Managing Data in the Marine Environment

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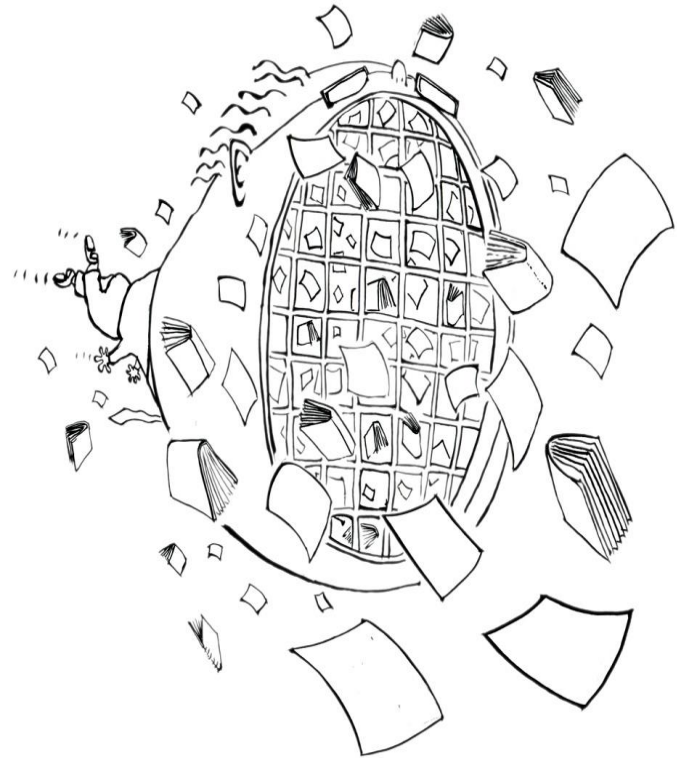
Wales Marine Planning Portal

•Objective

- To represent the activities that are undertaken in the Marine environment in Welsh Territorial Waters
- How the wealth of evidence can contribute to the Marine Plan
- Enable users in decision making

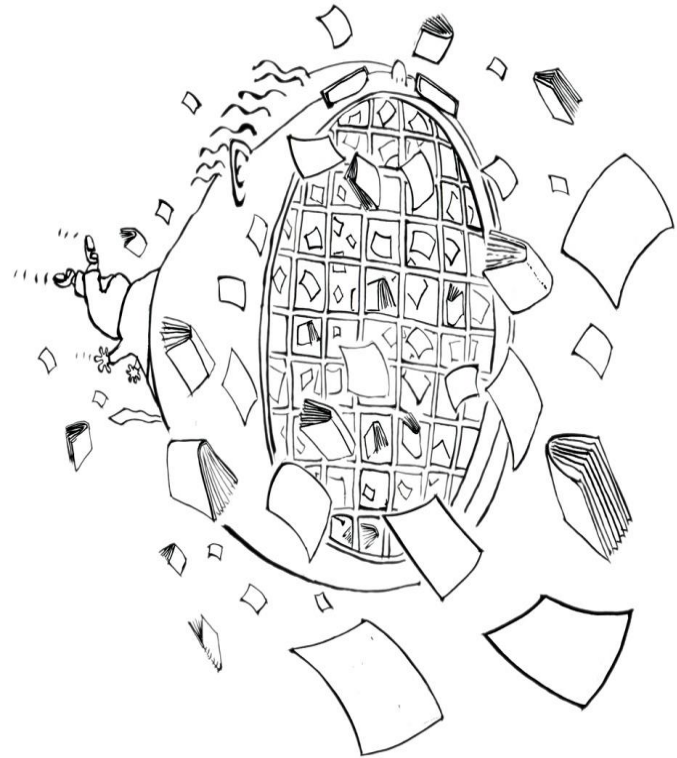
Building the Evidence

- Trawling through the data
- Where do we start ?
- Marine Renewable Energy Strategic Framework (MRESF) 2011
- 23 categories of data
- 129 datasets



Building the Evidence

- Update and improve
- What else is out there?
- Gathering further evidence
- Partnerships
- Consultations



Building the Portal

- Family of portals
 - Corporate style
- Open Source Software
 - Cost and Flexibility
 - Technical Expertise
- Middleware
 - Geoserver
- Mapping Applications
 - Bootstrap; mixture of Javascript; html; CSS
 - Leaflet

User Interface

Leaflet 



IMG/ HTTP

XML/HTTP



GeoWebCache

Application Server

HTTP



GeoServer

SQL/JDBC

Database



Building the Portal

- Presentation of the data
- Data hierarchy
- Built around the themes of the Marine Planning Strategic Scoping Exercise (SSE)
- 18 themes
- Additional themes as required



Building the Portal

- Base Data
 - OS PSMA datasets
 - Oceanwise themes
 - Hosted by eMapSite; served via WMS
- Data Partners
 - More than 290 data layers
 - Natural Resources Wales (NRW)
 - Pembrokeshire Coastal Forum (PCF)
 - Cefas
 - ABPMer
 - The Crown Estate (TCE)

Building the Portal

- Oceanwise datasets
 - MTF Administrative
 - MTF Industrial
 - MTF Obstructions
 - MTF Transport
- } Points, Lines, Areas
- Filtered into 61 separate layers
 - Data management overheads
 - Consider using hosted WMS services