

UK Environmental Observation Framework Data Solutions Workshop







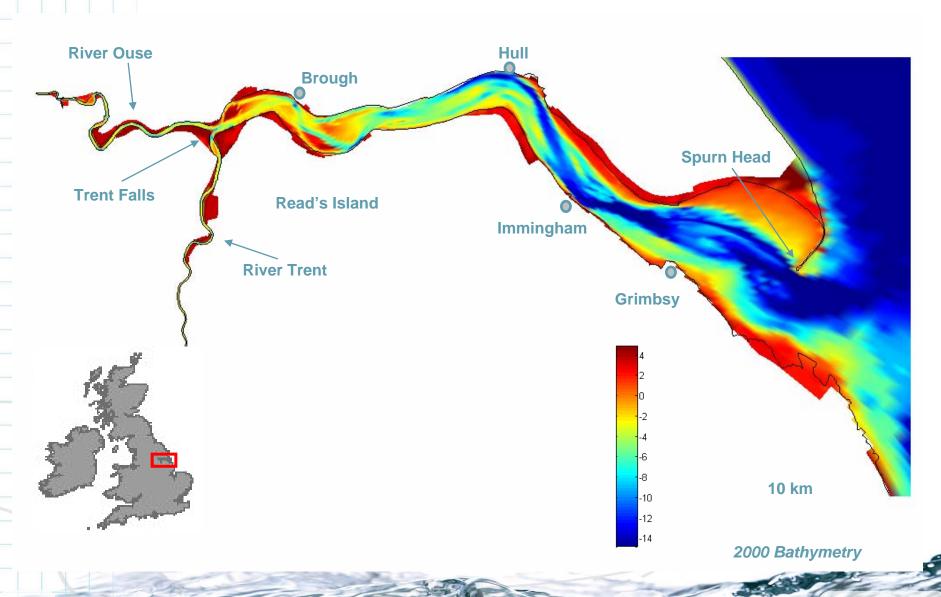
Examples

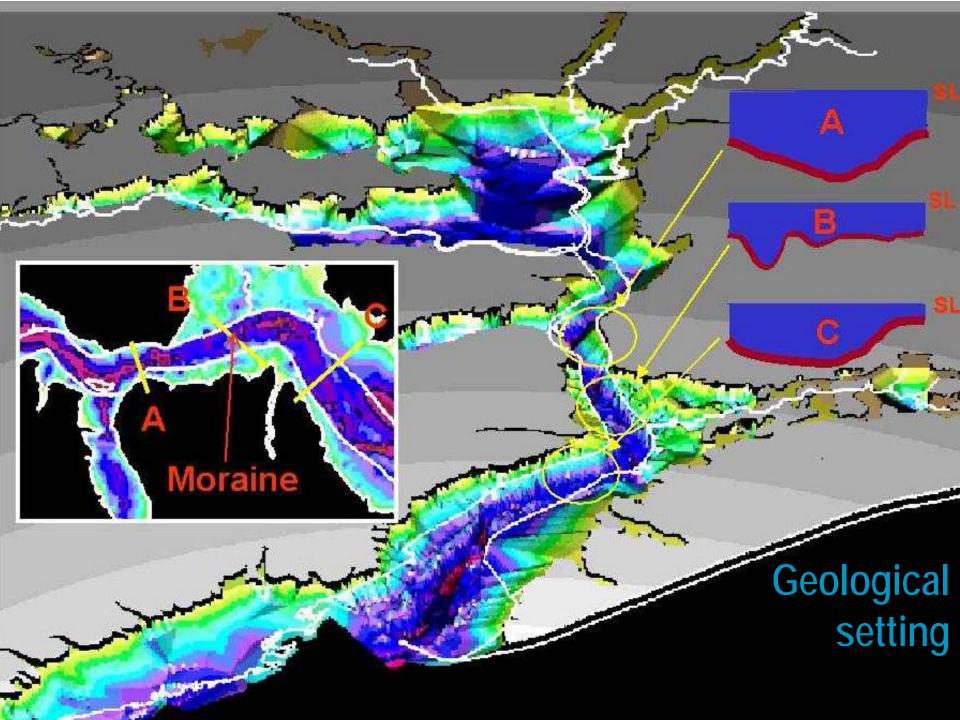
- Applied Research
- Design and Operations

Hearts & Minds >>>> Carrot and stick?



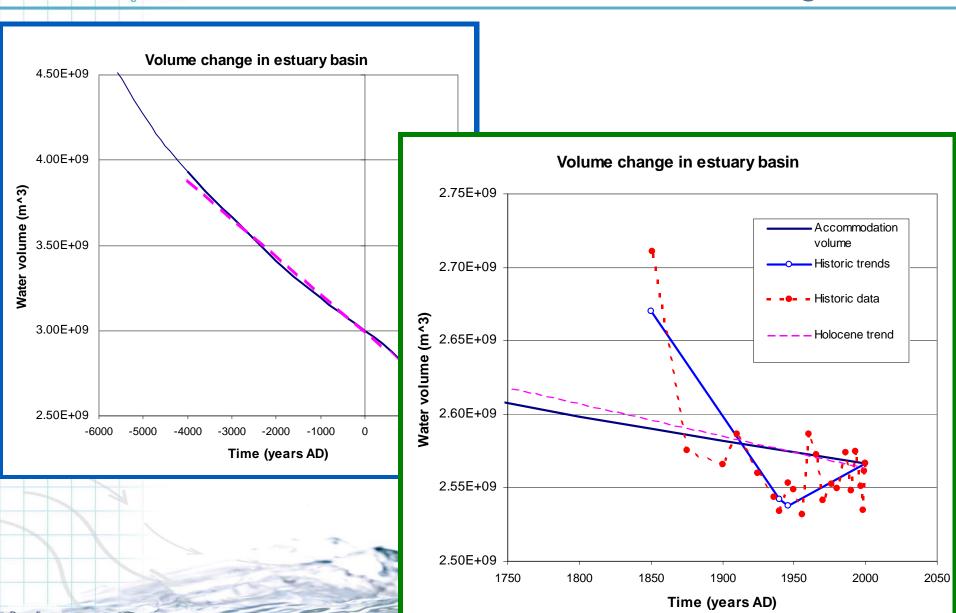
Humber Estuary



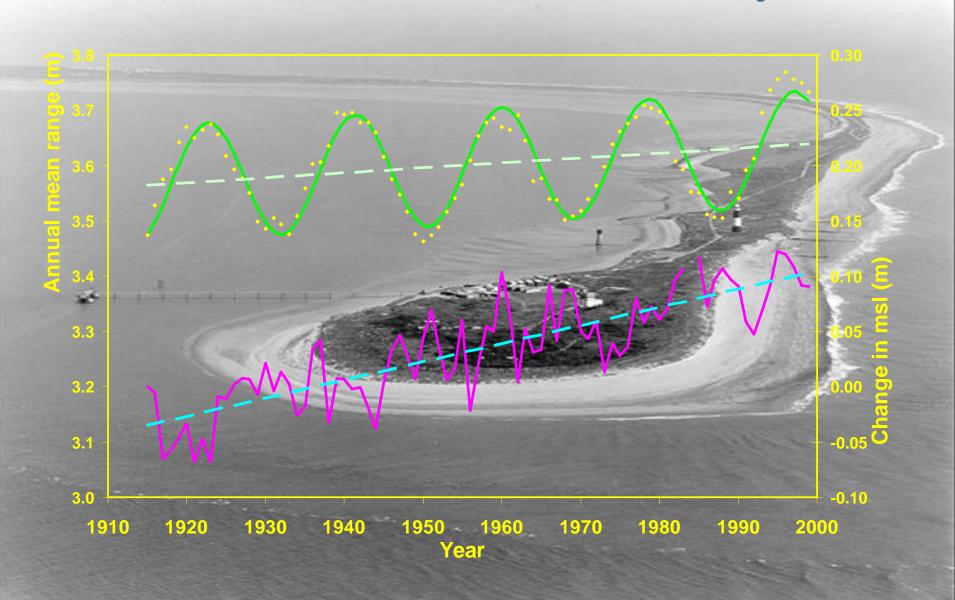




Holocene & Historic Change

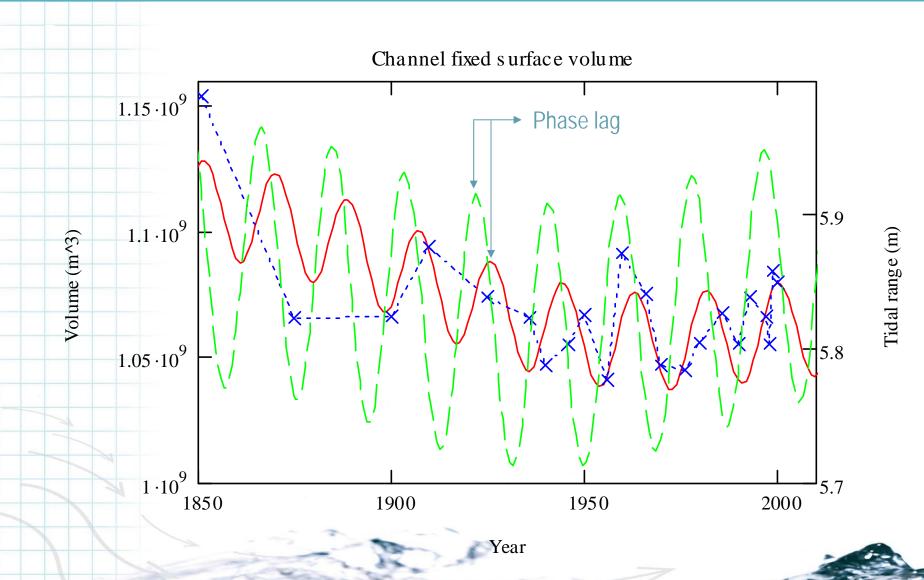


Humber sea level rise + nodal tidal cycle





Fixed area Channel-Flat model



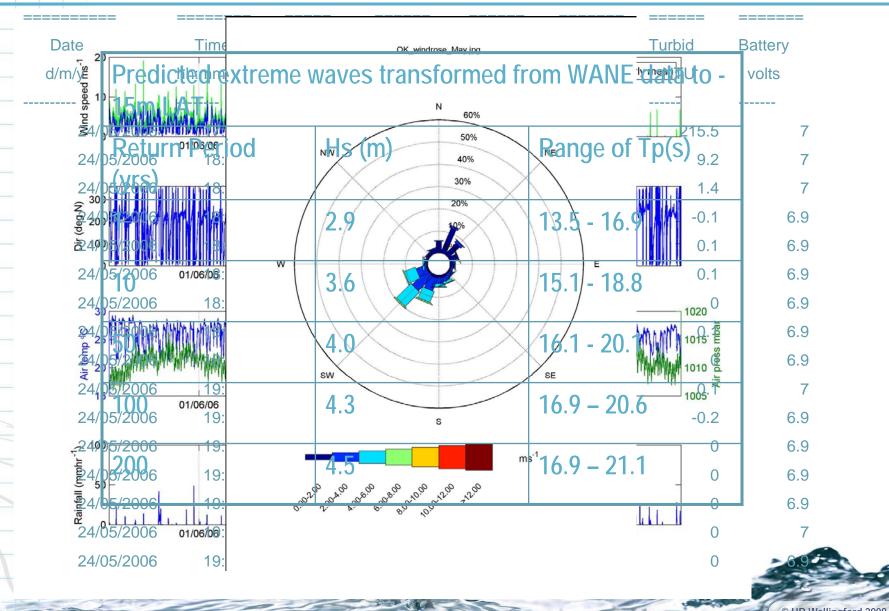


Applied Research

- Research largely made possible because we were employed by, or worked with the data owners. Our interest secured better access for other researchers than would otherwise have been possible
- Archiving and storage of data generally haphazard
- Very few other estuaries with this level of data coverage

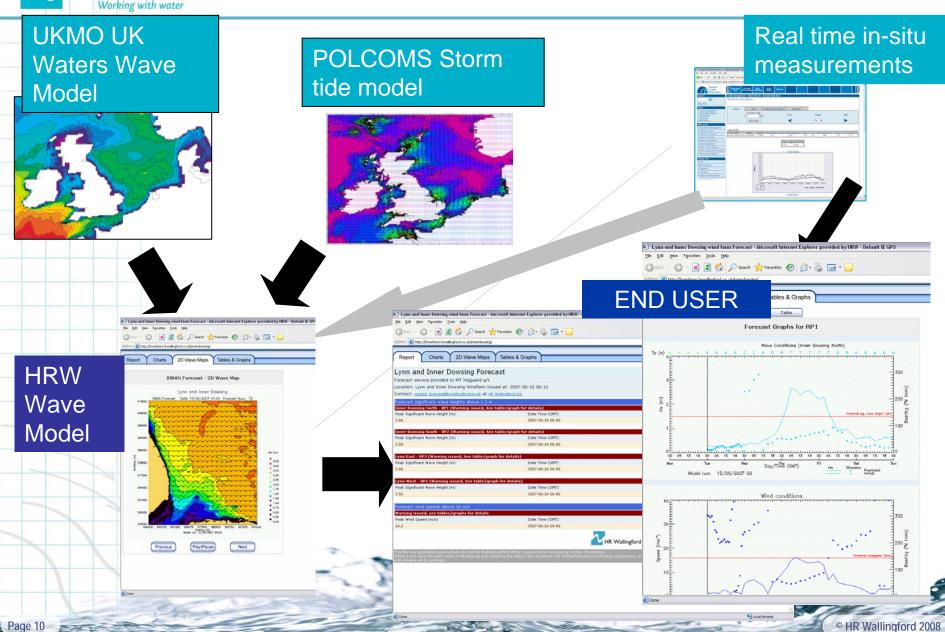


Example EIA & Design Data





Example Operational Data





How Industry Values Data

<u>Contribution</u> - What impact the data have on solving the problem.

<u>Location</u> - Where the measurements have been taken and at what time.

Price/cost - What the data costs.

<u>Delivery</u> - Can the data be supplied in time.

Attributes - Fitness for purpose.

<u>Usability</u> - How easy is it to use the data





Assessing value – meta data is key

Global Data – industry increasingly operates globally, so globally consistent data sets are valuable

<u>Price/cost</u> – (What) should we pay for data collected with public funds?

Delivery – On line catalogues and data purchase as time can be critical.

Attributes – meta data again.

<u>Licences</u> – do we really need a different one for each piece of data, for each use, for each year?



Carrot

Incentives – for all players

Stick

Procurement – government, agencies and contracts

UK plc

- Access/Funding Model
- National Incubator
- International Commitments & Global Markets

Global Trends

- Convergence of data, tools and models
- OpenSource
- Integrated System "modelling"