PEG-BOARD
Palæoclimate & Environment data Generation — Building Open Access to Research Data

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- Palæoclimate model simulations
- Evaluating models used to predict future climate
- Improve our understanding of the earth system
- Models used from Met Office/Hadley Centre
- Generate between 1 and 2 TiB of raw data per day
- Large international interdisciplinary research community

Project overview, Objectives & Deliverables

- Project Overview
  - Enabling open access to historical climate data in a systematic, managed environment
  - Exploring the data management needs of a palæoclimate research group and the linked ecosystem of researchers
- Objectives & Deliverables
  - Scoping Studies
  - Data management policies
  - Metadata infrastructure (application profile, metadata extraction tools)
  - Case studies
  - Workshops
  - tighter links with data centres (BADC, BAS, BGS) and other projects (UKRDS)

Institutional Context & Objectives

- To prepare the model simulations we need inputs from many communities, particularly Earth Sciences
- BRIDGE then runs the models.
- Output of models are of interest to many communities
  - Oceanographers, Atmospheric Scientists, Earth Sciences, Biologists, Ecologists, Archaeologists, Mathematicians
  - National and International community (total of more than 100 current users, approx 10 countries)
- Also of high media interest (e.g. We are currently working on 3 different TV series)

- Huge amount of data to be presented to different audiences
- Each discipline expect different things from the data (be it plots, graphs, raw numbers, pre-processed averages, . . .)
- Each discipline have different specialist terminologies to describe the data. Indexing has to cater for this to be useful
- Need to make the data accessible to the different audiences and make the data fit into their workflow
- Knowing which data to keep for how long

- Evaluation via a user-centred process of agile development
- Feedback centred around the named user communities
- Exploration of the future sustainability of project outputs in light of the findings, a process involving relevant stakeholders such as the BADC.

- Explore results through case studies
- Gather evidence on external impact by working with partners and other stakeholders
- Having the fonding blocks to create complete tools set to facilitate research, teaching and dissimination

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Any Questions?