

# The grandest challenges

- This is something big – awareness and boldness
- A common understanding of data ecology
- Organising ourselves to exploit the ecology
  - national (e.g. UK Open Data Forum)
  - international – ICSU, CODATA, RDA etc
- “Making sense of data?”
  - Its not the data chain – the chain of scientific logic
  - “we scientists do terrible things with our data”
- Linked, dynamic, integrated data - the semantic web
- Not to make the data and metadata concurrently open “intelligently open”
  - should come to be regarded as malpractice – it just isn’t science
- Exceptions to openness (privacy, safety/security, commercial) – complicated
- Making publishers honest citizens
- Not another knowledge divide (ICSU, CODATA, RDA, WDS)

# A data infrastructure ecology: drivers and self-organising components (the rationale for the UK Open Data Forum)

