

# **Working Group on Operational Data Management Systems**

## **Summary and recommendations**

- **Provision of large datasets**
- **Data catalogues**
- **Access policies**

# Provision of large datasets

- **Grid technologies should be investigated**
  - **Implies availability of infrastructures, such as high bandwidth networks**
- **For usability, limit data volumes to be downloaded via the web, so download last around 10mn**
- **For very large data transfers**
  - **Cost of network usage may be a issue**
  - **Send tapes by post...**

# Access policies

- **All users must be registered**
  - **No anonymous users**
  - **No generic users**
- **Within WMO FWIS**
  - **Metadata will carry access policies**

# Data catalogues

- **Data organisation is application dependent**
  - **Multiple data organisation (daily, time-series,...) may be required, if affordable**
  - **Organise your data according to most likely access patterns**
  - **Catalogue navigation matches data organisation**
  - **Search facility for data discovery**
  - **Using stylesheets to map metadata from different catalogues.**
- **There is a limit in what a GUI (e.g. web interface) can achieve for data selection**
  - **Expert users may prefer “request languages” to perform complex or recurring retrievals**

# Data catalogues: ISO 19115

- **WMO-CBS, expert team in Integrated Data Management**
  - **CBS defined a core metadata scheme to be tested**
  - **Workshop in June 2004**
- **Pilots projects**
  - **UNIDART**
  - **VGISC**
- **Recommendation**
  - **Each Data Centre should study how the the core standard fits their metadata catalogues**