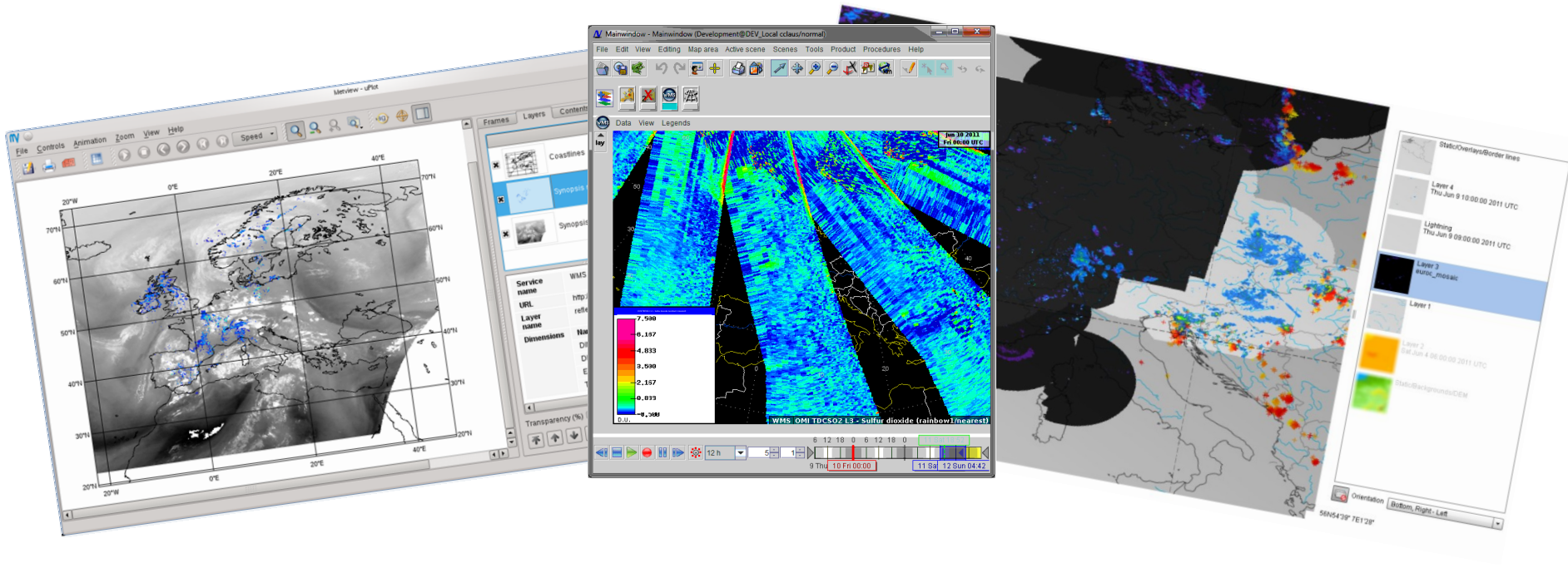


OGC web services showcase



Stephan Siemen

Sylvie Lamy-Thépaut

Meteorological Visualisation Section

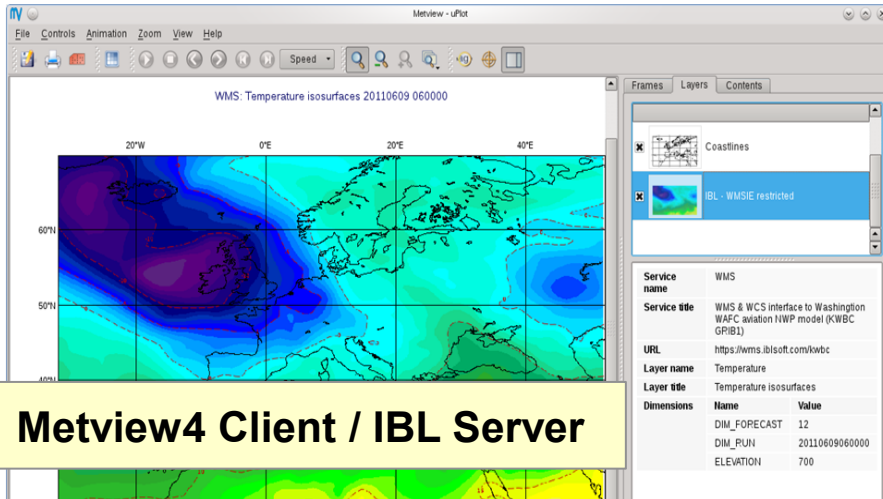
ECMWF

EGOWS 2011 in Toulouse

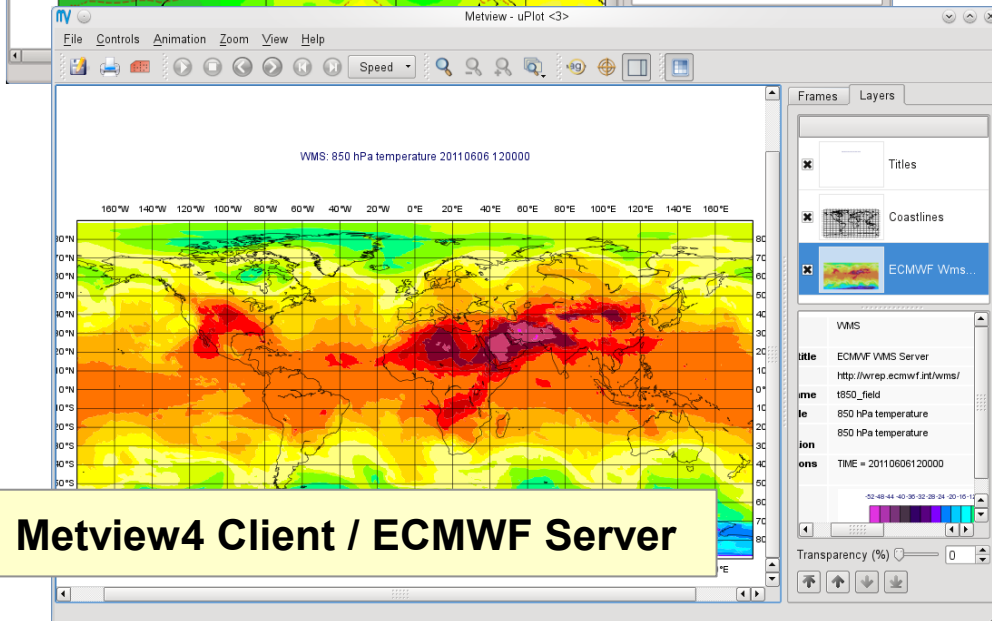
- ▶ One day was dedicated to interoperability experiments
- ▶ The main goals were :
 - ▶ To test the connection and availability of servers
 - ▶ To test and validate the use of token for access restrictions

Tested servers:	Tested clients
IBL Meteo-France KNMI ECMWF Dresden	<i>Specialised in Meteorology</i> IBL NINJO Metview Synergie ----- <i>General purpose :</i> gvSIG Gaia

Dimension Issues:



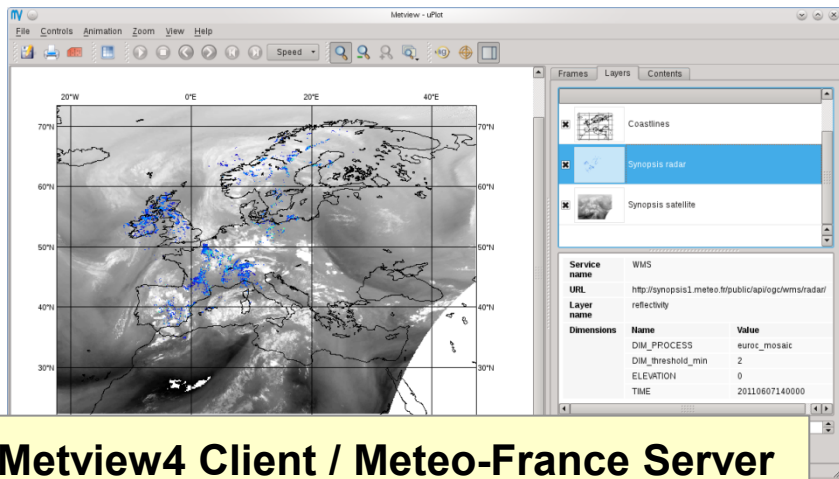
Metview4 Client / IBL Server



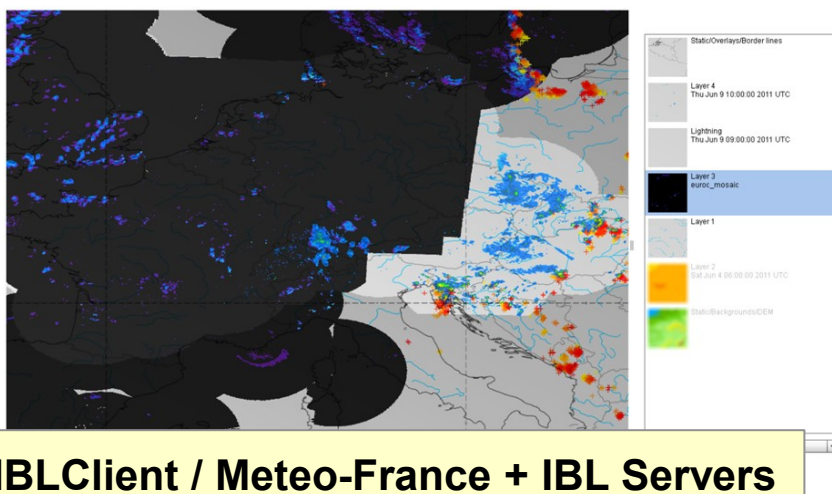
Metview4 Client / ECMWF Server

- ▶ Time : several approaches
 - ▶ DIM_RUN/DIM_FORECAST
 - ▶ TIME
- ▶ Elevation:
 - ▶ Use of dimension Elevation
 - ▶ Mentioned in the name of the product

Transparency/Threshold

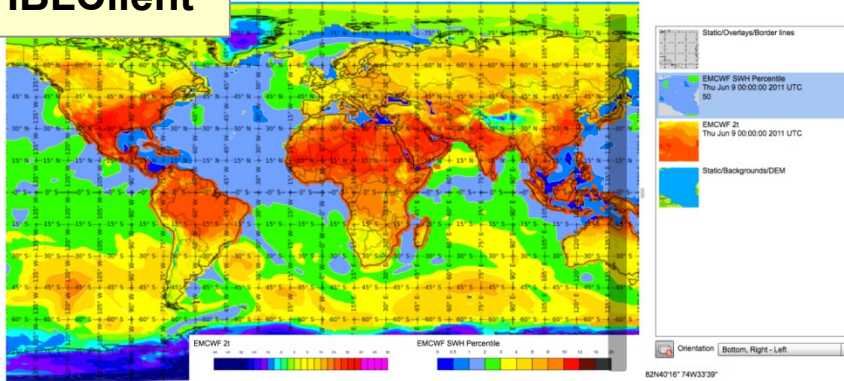


- ▶ Transparency can be a problem for radar image
- ▶ “no reflectivity” should not be represented by opaque pixel.
- ▶ Use of threshold is useful



Legend

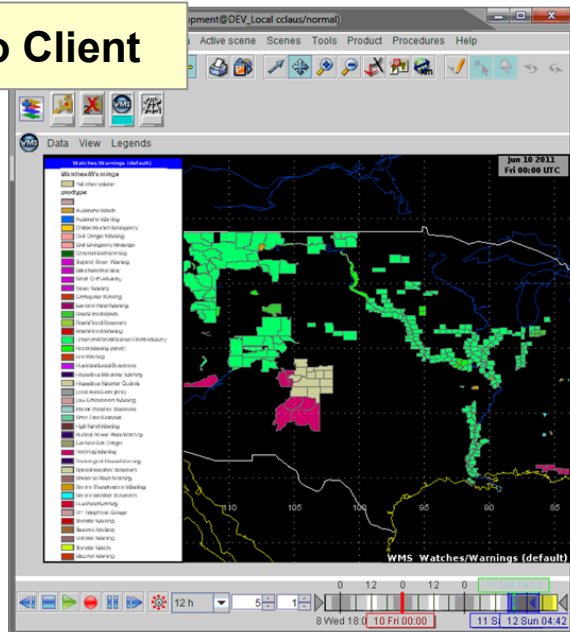
IBLClient



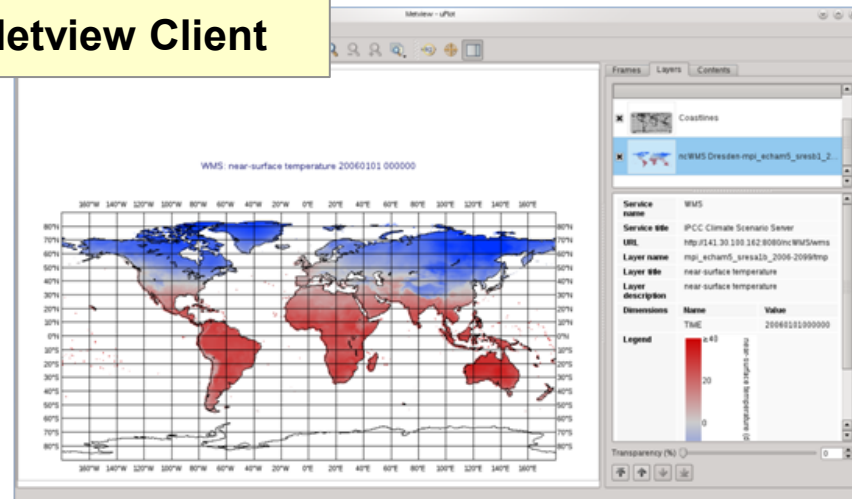
► Not easy to display properly

- Size?
- Orientation
- Language

Ninjo Client

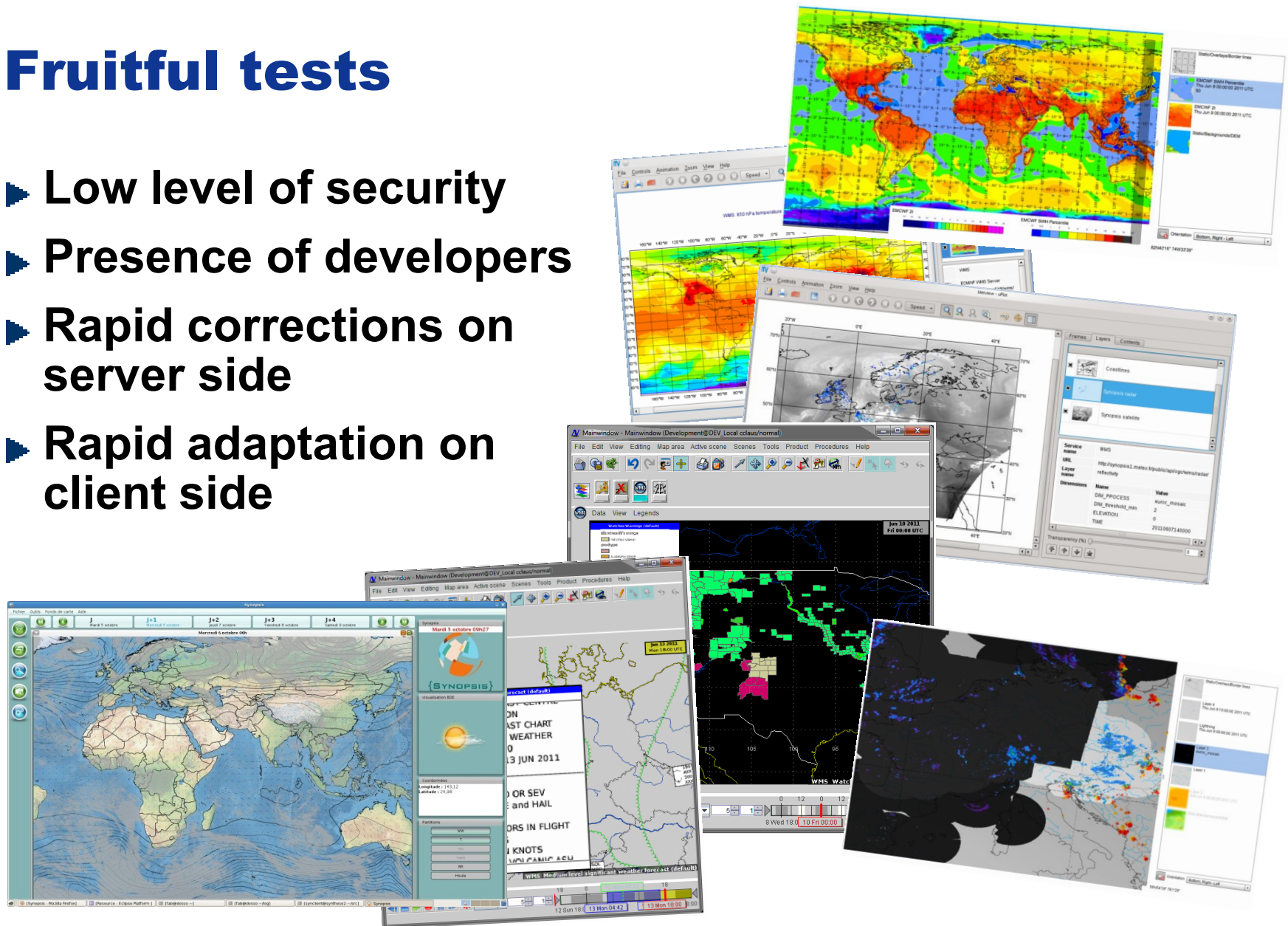


Metview Client



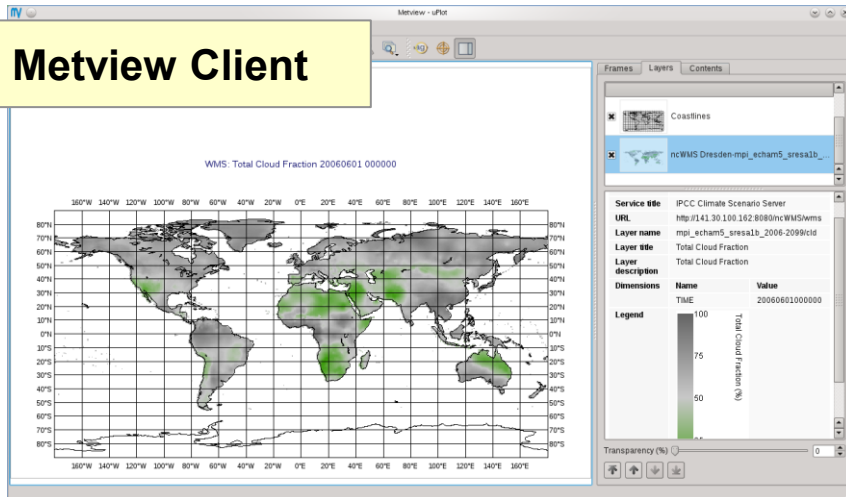
Fruitful tests

- ▶ Low level of security
- ▶ Presence of developers
- ▶ Rapid corrections on server side
- ▶ Rapid adaptation on client side

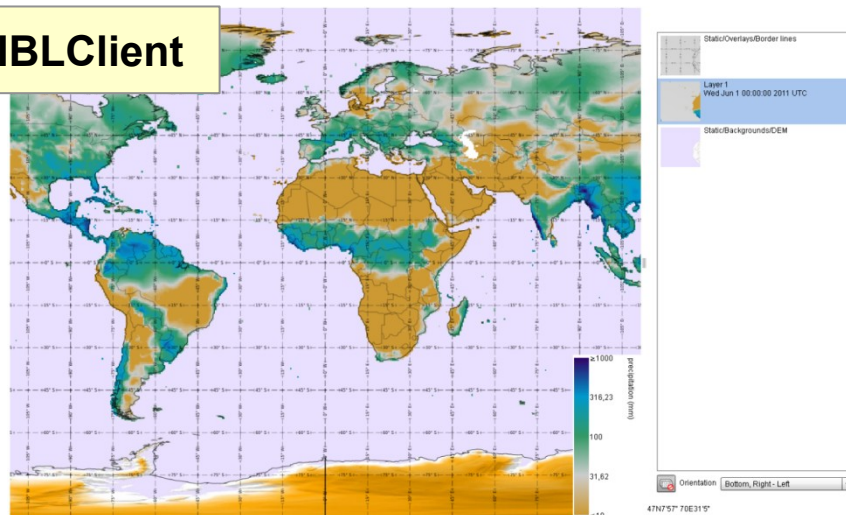


Access to external server : Dresden (climate data)

Metview Client



IBLClient



► The use of special characters in layer names was causing problems in the Metview client.

► The use of “climatological” dates was confusing for our “meteorological” clients.

► Dresden was contacted and will tackle these issues.

Use on Non-meteorological clients

▶ gvSIG:

- ▶ Handles time which seems rare for general purpose clients
- ▶ OK on 1.1.1 doesn't work with 1.3

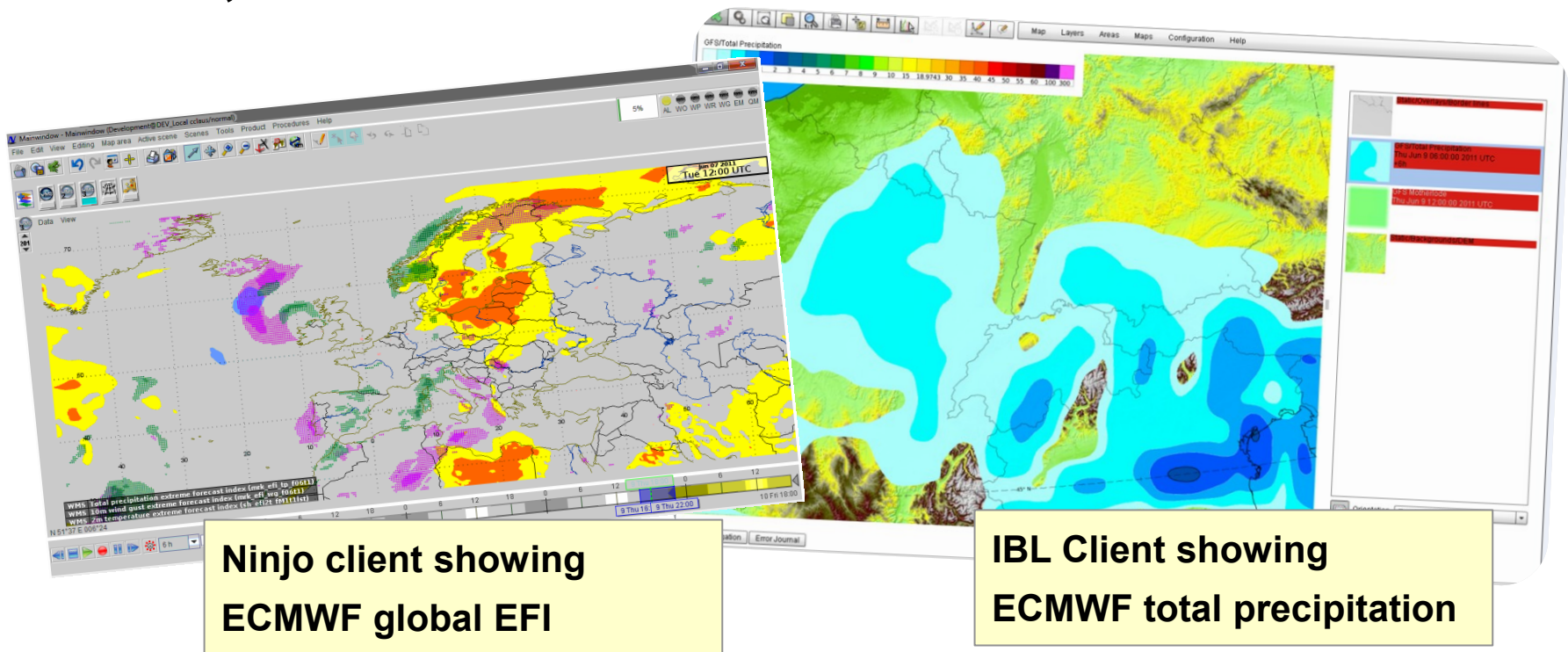
▶ Gaia

- ▶ Could access some of the servers but not easily

→ Need for specialised clients?

Conclusion

- ▶ The session was very appreciated by the developers.
- ▶ Our clients are more robust.
- ▶ But, more work is needed !



And Now ? → Time to check!

