



CEOP Model Output Data at WDC-Climate

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GRID data

 available as raw data from WDC-Climate DB (as far as we got it)

MOLTS data

- ECPC as NetCDF available from WDC-Climate DB
- ECMWF, NCEP, UKMO conversion ASCII → NetCDF started (thanks to Beate! GKSS)











Received until now:

- only JMA data well fitting the format agreements
- available from WDC-Climate DB Jan 2007 to Jun 2008







- Information: ceop.wdc-climate.de
- Download: get account & goto cera.wdc-climate.de



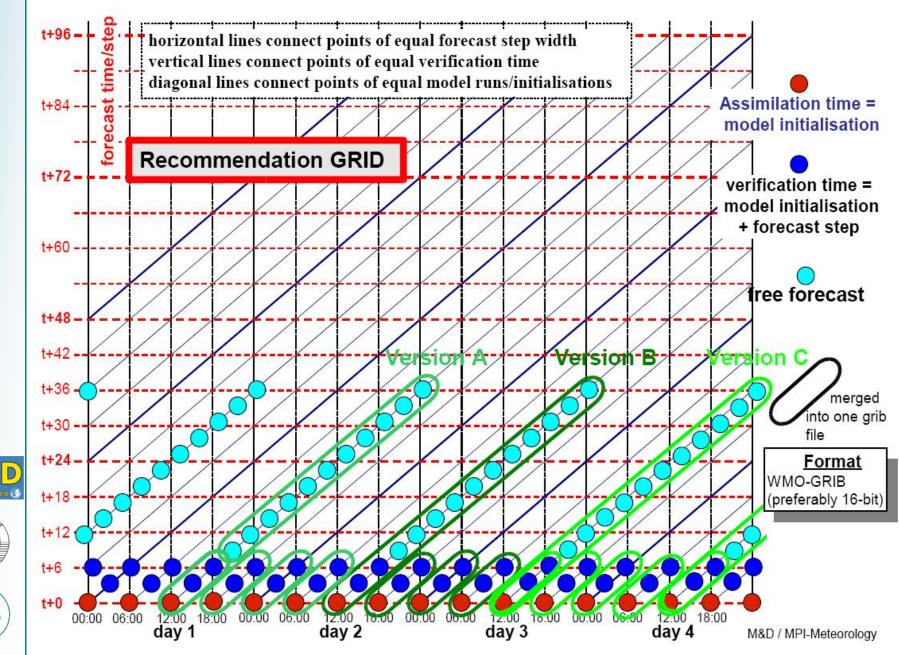


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WDC for Climate NDD Projects at M&D Bosch Projekt C3 Grid CEOP CEOP CEOP CEOP CEOP CEOP CENSEMBLES	The structure of the model output For CEOP Phase II WDC-Climate proposes a more homogeneous and data structure for gridded data and MOLTS. The WMO-GRIB format is used for the gridded data. MOLTS can be stored in NetCDF-CF format as an example header of JMA data shows. Find a set of example NetCDF files (Also JMA) here: (tar) example. The tarball contains 4 NetCDF files for one day with the 12:00 file containing 72 forecast steps. The and Stationlist list of the station names with proposals for changes. MOLTS The Information of the MOLTS (Model Output Location TimeSeries) is available as a map and as a map				
- ERA40	Center	MOLTS Data	GRID DATA		
- IPCC Data	JMA	1-JAN-2007 - 30-JUN-2008	1-JAN-2007 - 30-JUN-2008		
- PSI					
SG Adaptation Publication and Citation COPS Campaign	Data size Currently the data base contains 618.6 GByte of data.				
La Past projects	latest update: 2008-08-20 15:37				
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GRID data

• can be ingested into DB time step by time step

MOLTS data

- increased number of stations
 - \rightarrow need for data homogenisation



handling, processing, comparison is easier!

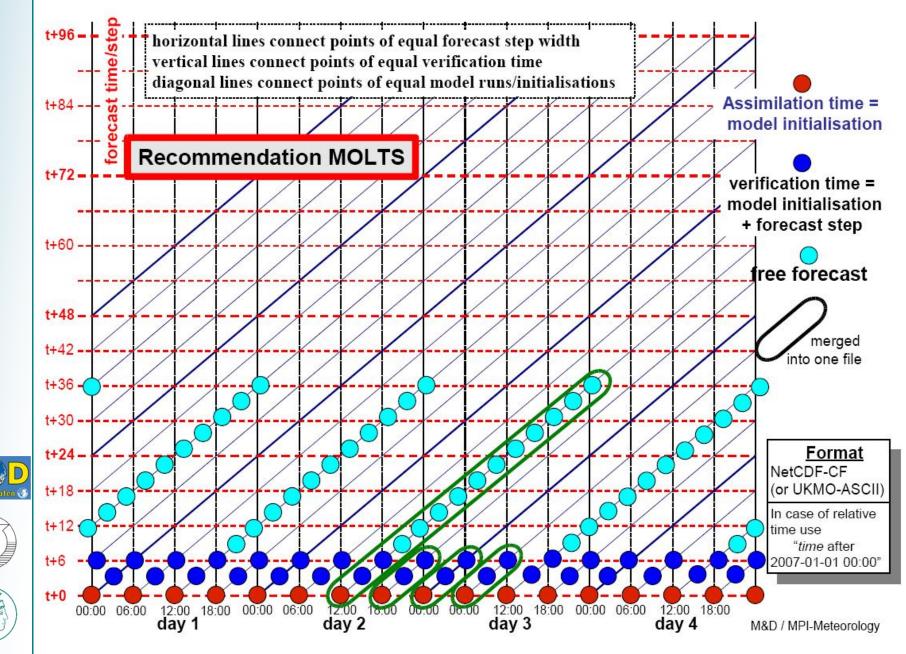




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CEOP II: Recommended MOLTS Data Structures



























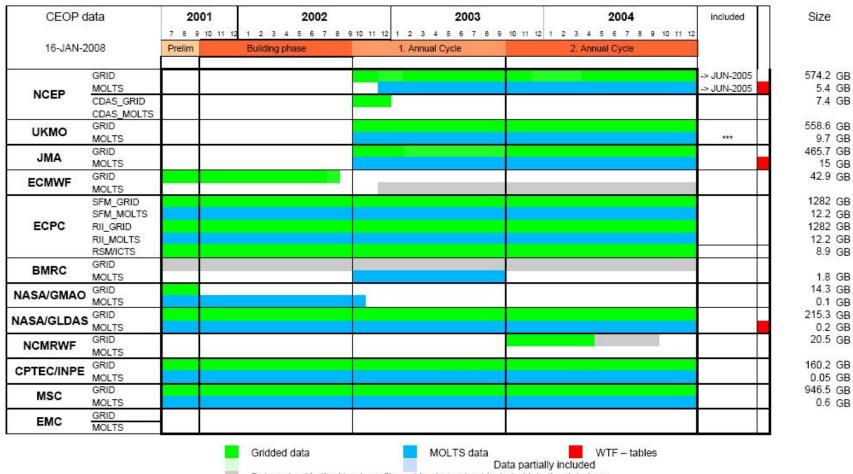


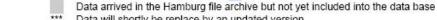


5.6 Terabytes of Raw Data



Data Timeline





Data will shortly be replace by an updated version



Hans Luthardt M&D/MPI-M



5635.75 GB





• Formats:

gridded data are ok (WMO-GRIB) MOLTS data are inhomogeneous: inhomogeneous text files inhomogeneous NetCDF formats some binary files

 data structures are too inhomogeneous: what we get: multi-parameter, multi-level data





what most users want: single level time series

