CEOP Model Output Data at WDC-Climate

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CEOP Phase I: 2002-2004 GRID + MOLTS Data

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)
- data from other NWP: in progress

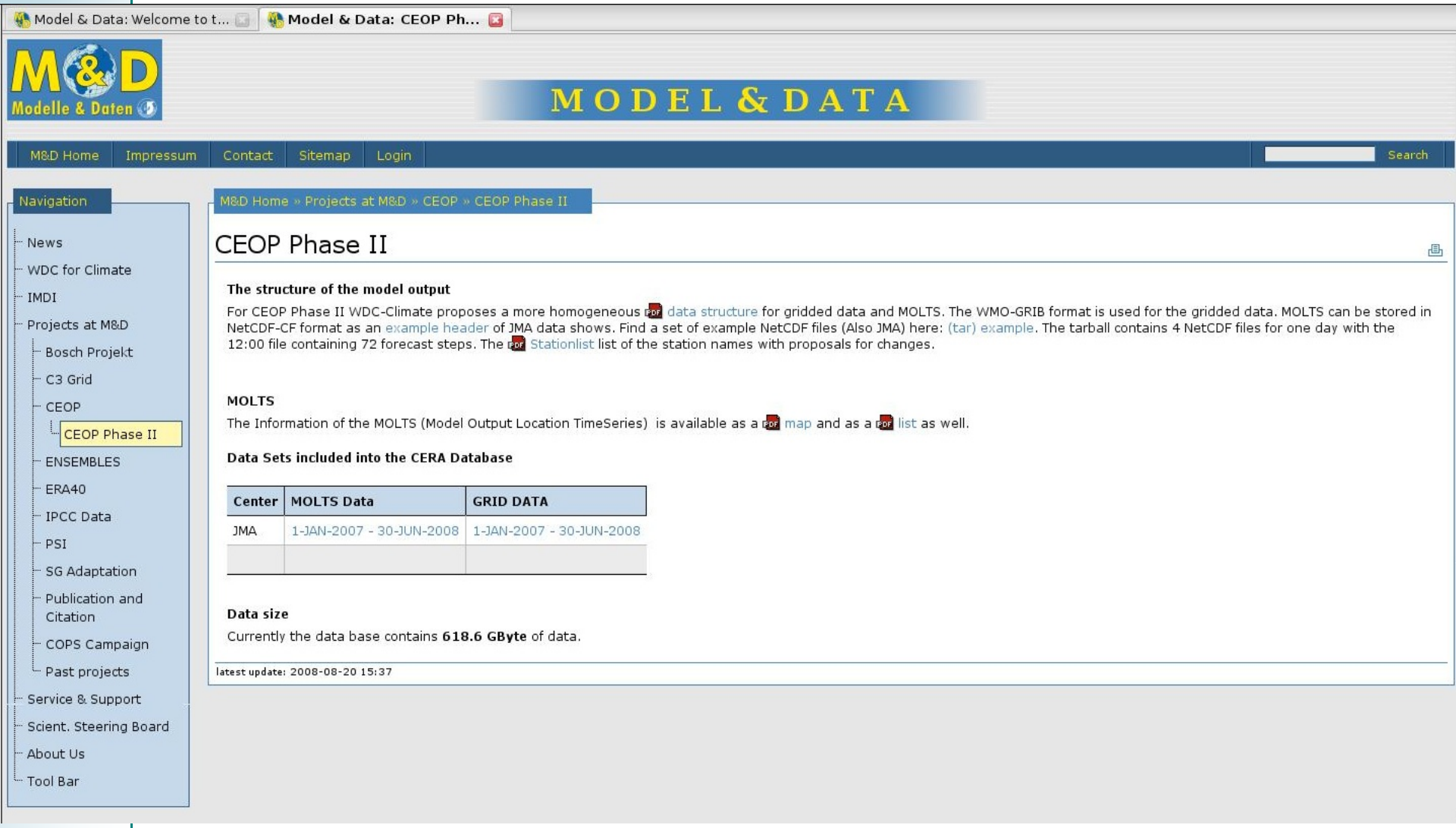
CEOP Phase II – GRID + MOLTS data

Received until now:

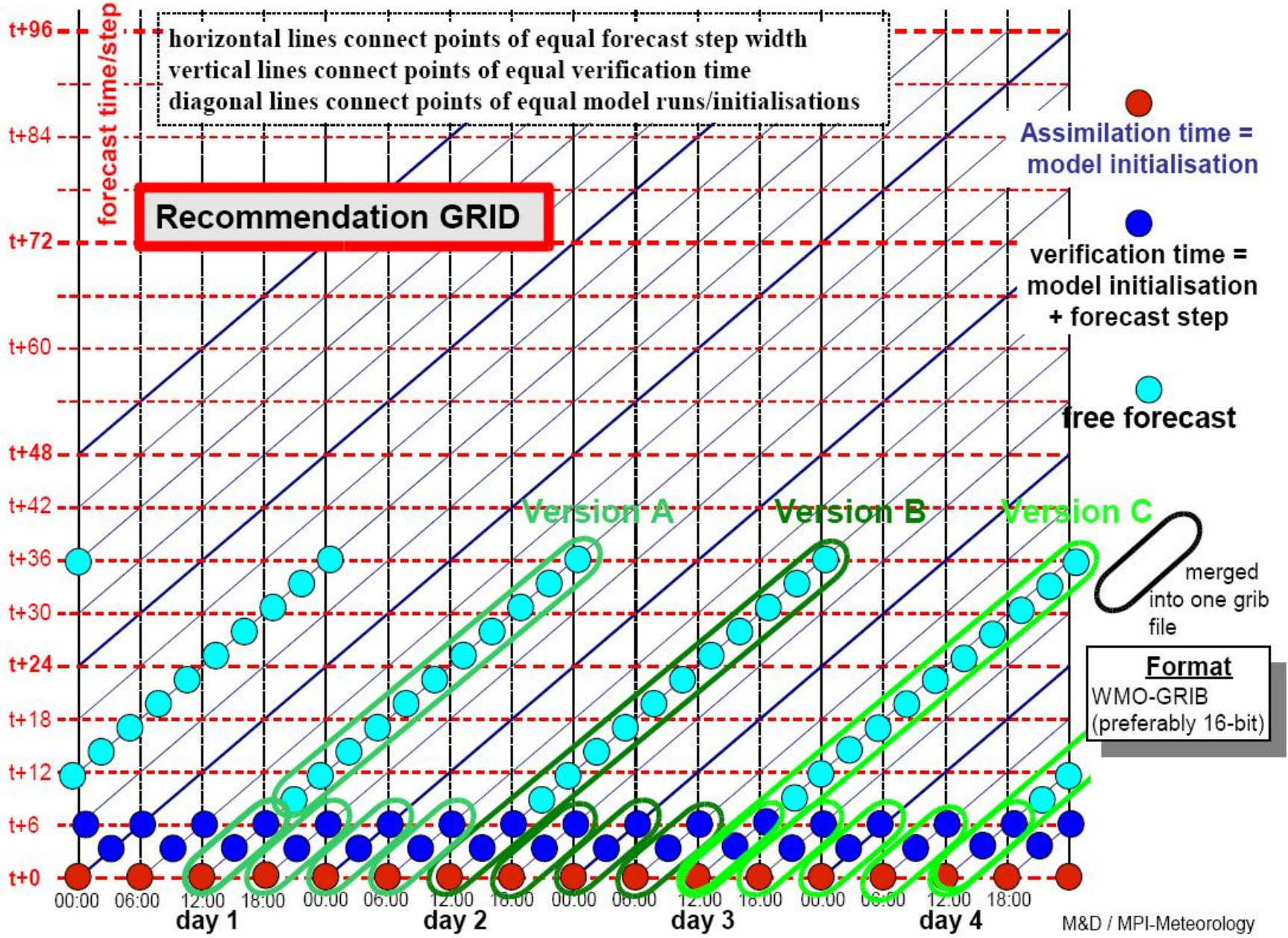
- only JMA data – well fitting the format agreements
- available from WDC-Climate DB
  Jan 2007 to Jun 2008

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

CEOP Phase II at ceop.wdc-climate.de



CEOP II: Recommended Grid Data Structures



2007 and Beyond: CEOP Phase II

GRID data

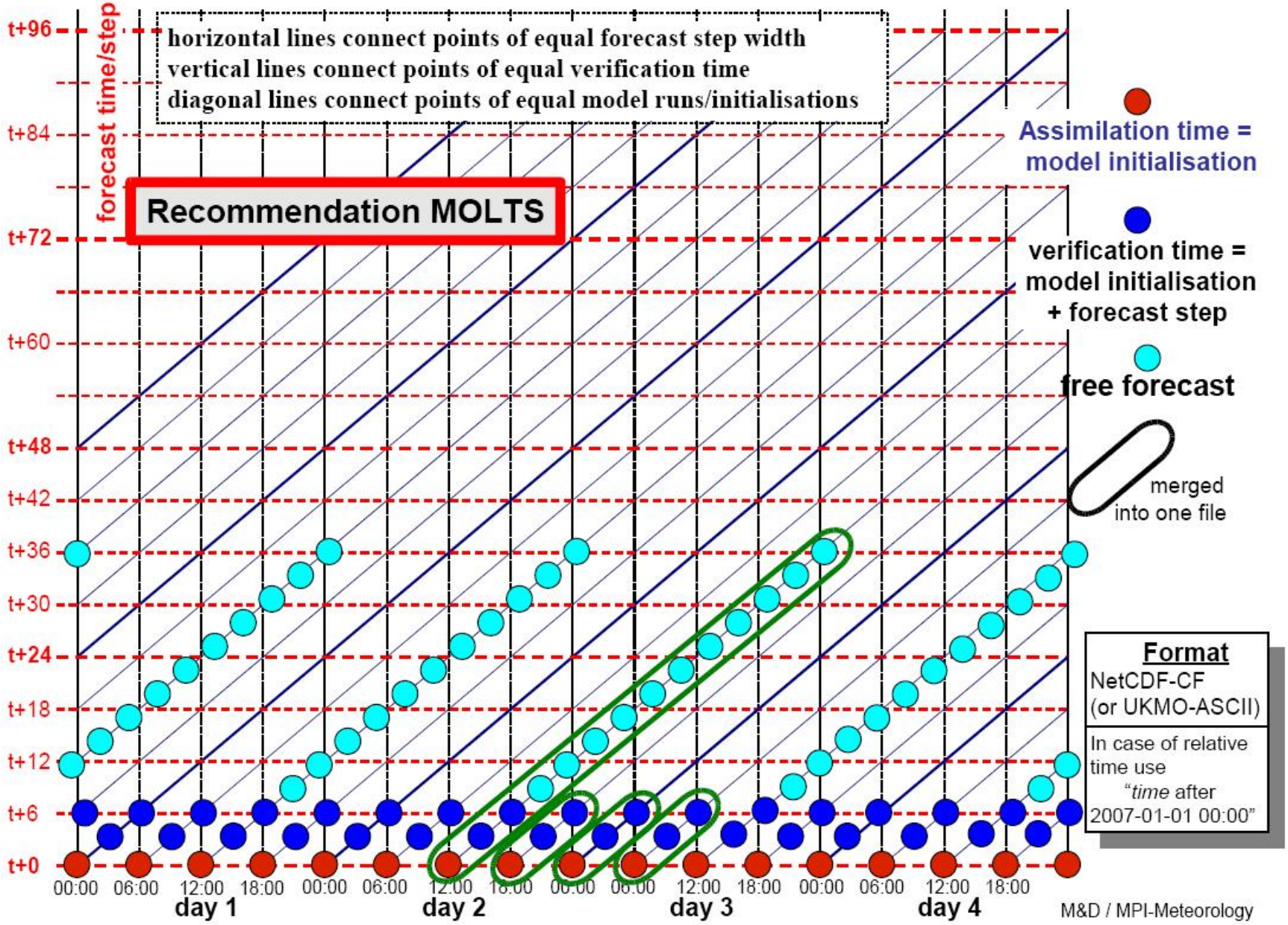
- can be ingested into DB
  time step by time step

MOLTS data

- increased number of stations
  → need for data homogenisation

handling, processing, comparison is easier!

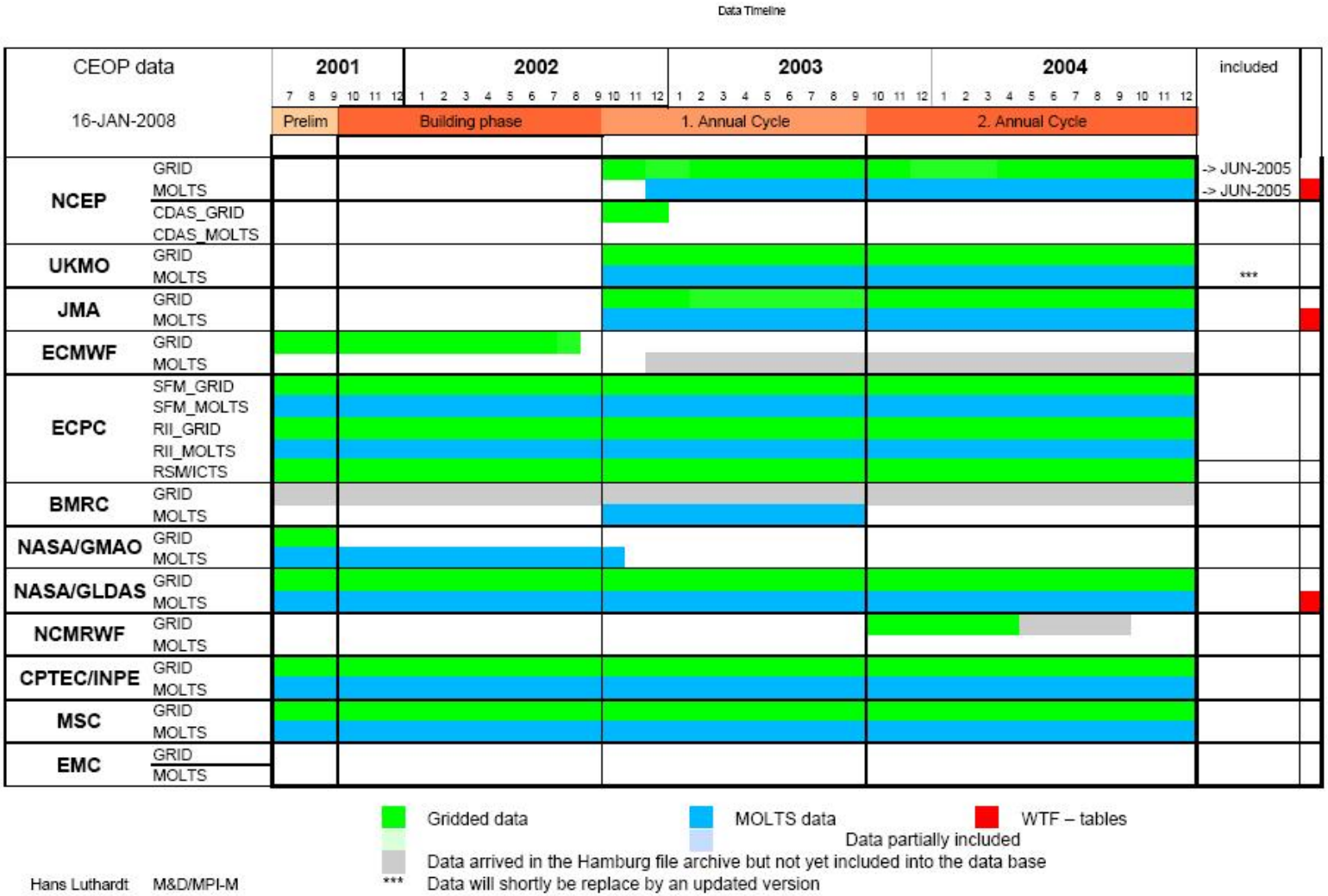
CEOP II: Recommended MOLTS Data Structures



CEOP at WDC-Climate (M&D/MPIM)

CEOP

5.6 Terabytes of Raw Data

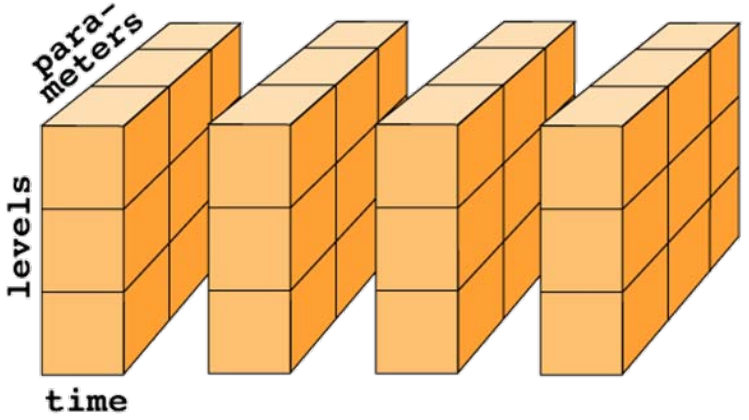


What did we learn for CEOP Phase II ?

- 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