

Status KNM I

Siëbren de Haan



NearRealTime

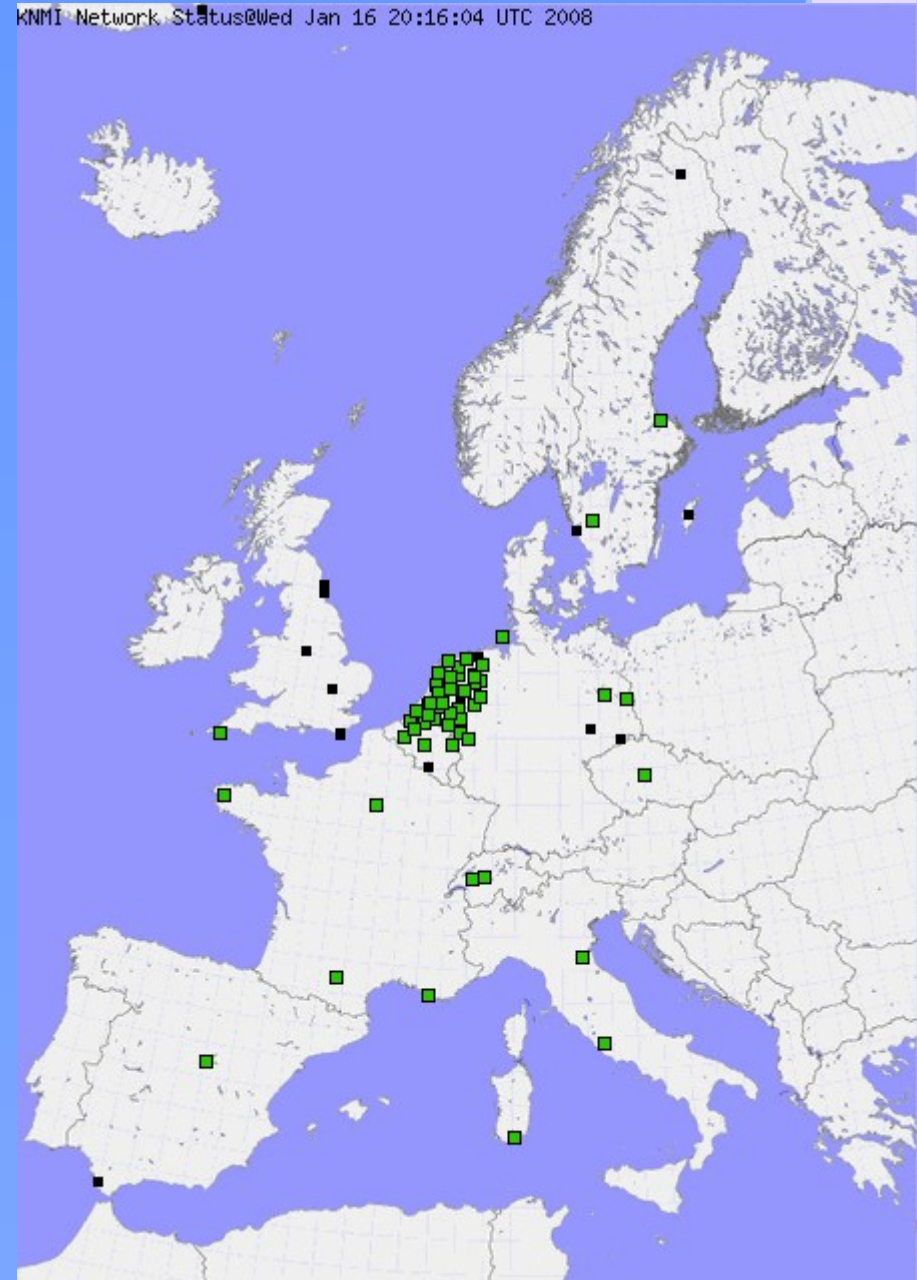
Hourly

NL :Kadaster

GB :Ordnance Survey

EUREF

Available within 40m after
last observation



16-9-2008

E-GVAP plenary meeting

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RealTime Water

Every 15 minutes

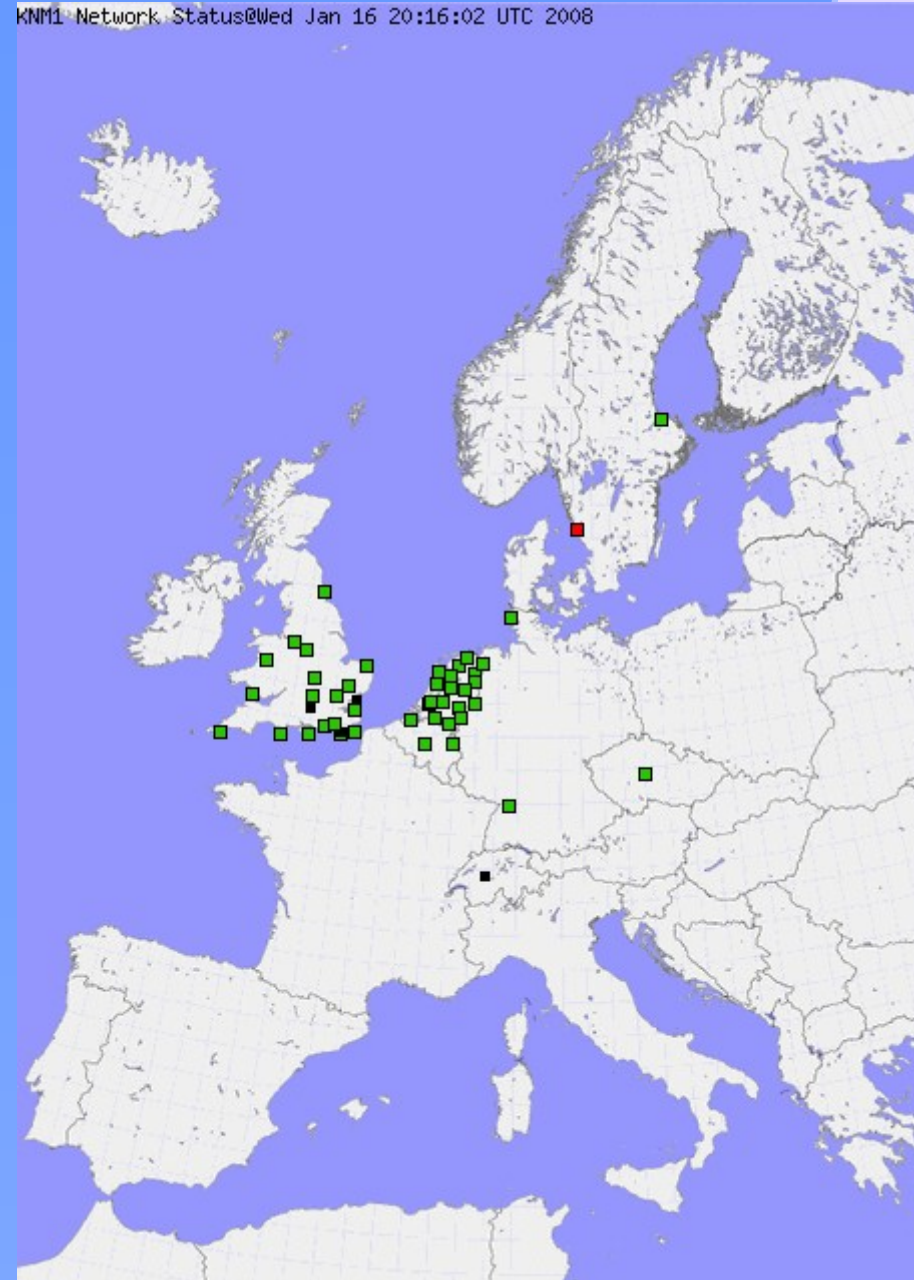
NL :Kadaster

GB :Ordnance Survey

NTRIP

Available within 5 min.

Hourly upload to DB



Two dimensional W V map every 15 min.

Currently 19 stations in The Netherlands

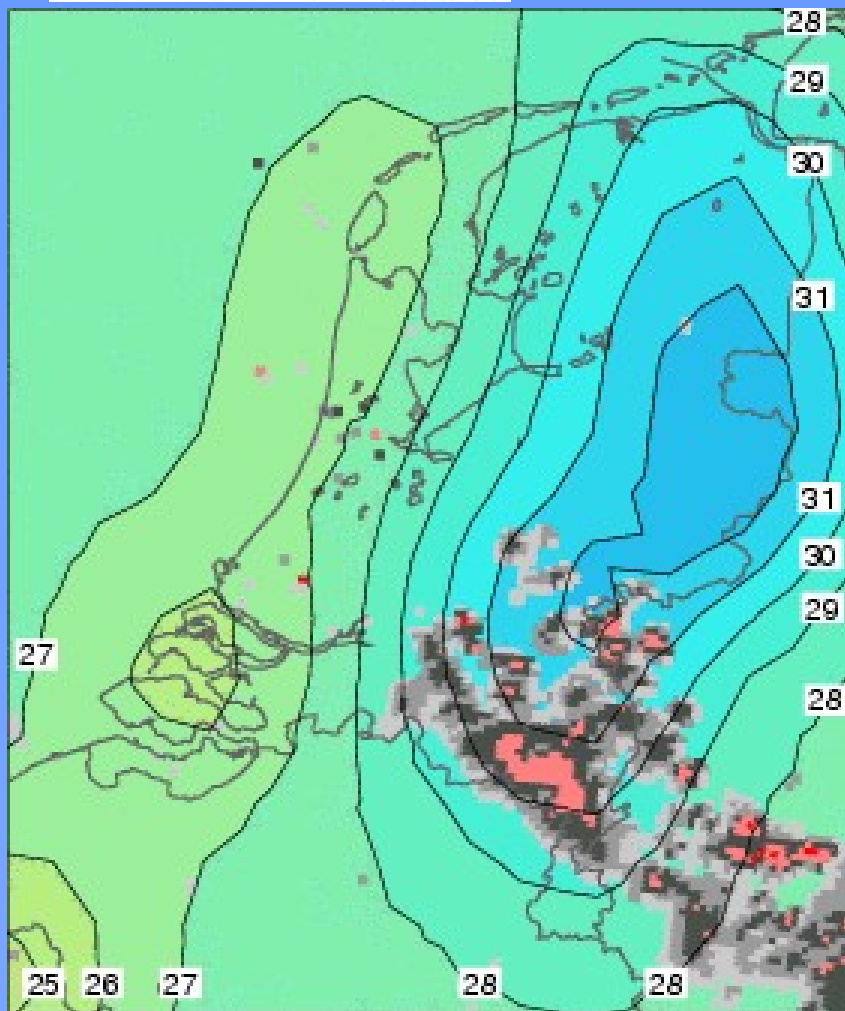
⇒ 35 Stations this autumn

- Case studies of severe weather (lightning)

⇒ Data available since autumn 2005

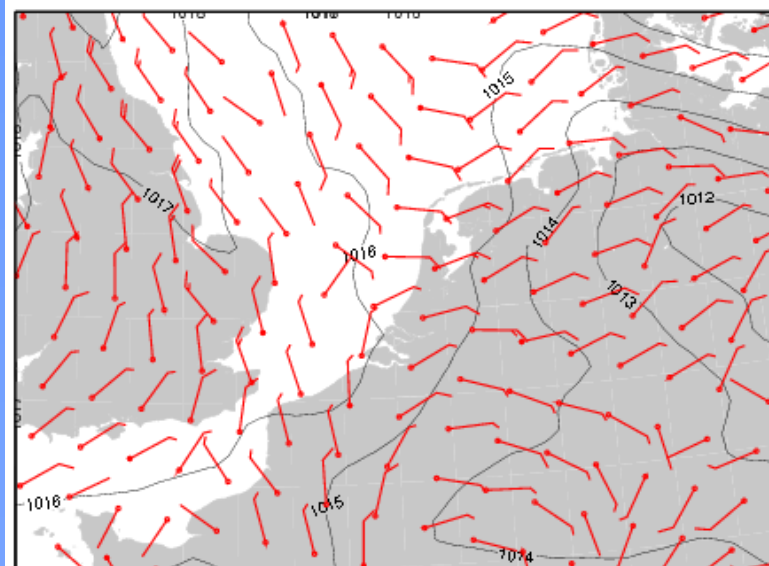
⇒ 5 severe cases in 2007; 6 in 2008

2008/05/31 12:15 UTC

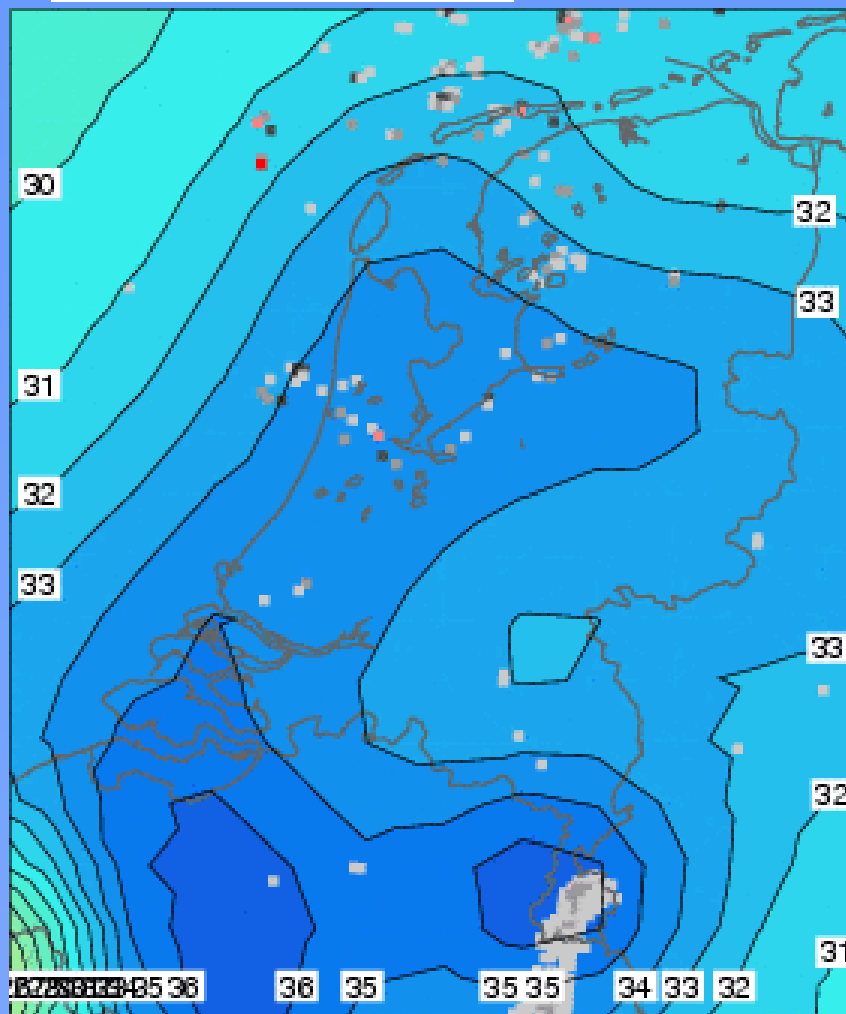


Hirnam Analyse 2008/05/31 18UTC

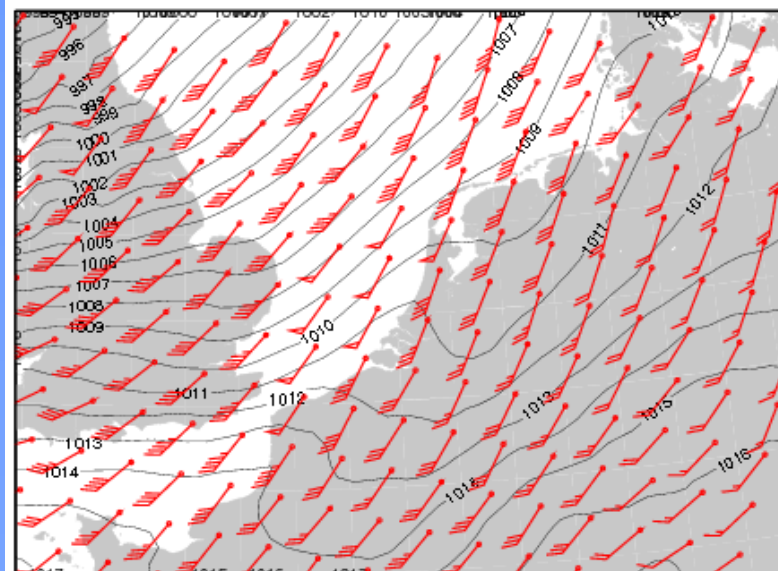
850hPa wind en luchtdruk op zeenivo



2008/06/22 09:00 UTC



Hirnam Analyse 2008/06/22 12UTC
850hPa wind en luchtdruk op zeevivo



Assimilation GPS ZTD

Test during summer

Pre-operational runs since last week (6 Nov.)

Same grid (H 11 km)

Every 3 hours

Preparing report

Plans

Hourly assimilation

- Time window 15 minutes around assimilation

- Realtime GPS observations

- HighRes wind/temp observations (AMDAR-like)

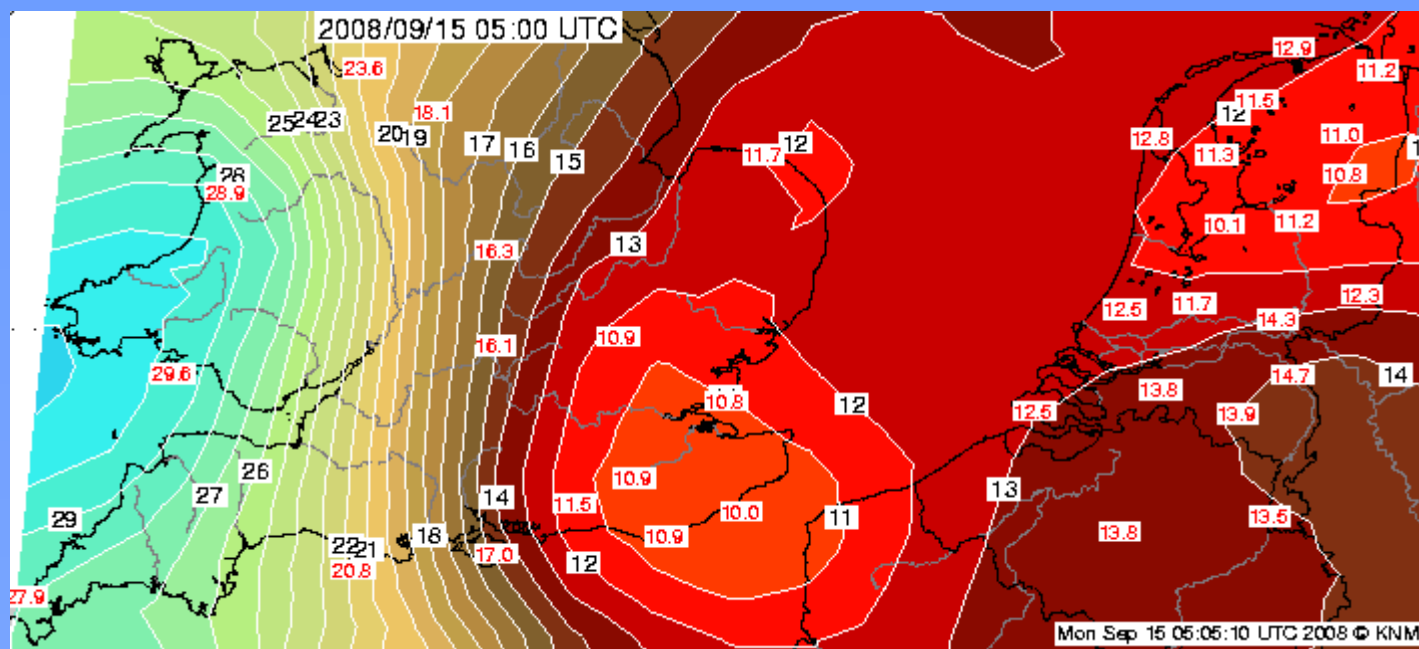
Reprocessing

- Low elevations

- Improved mapping functions

- ...

Thank you





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Validation web-site

Recent changes:

Monitoring Test facility:

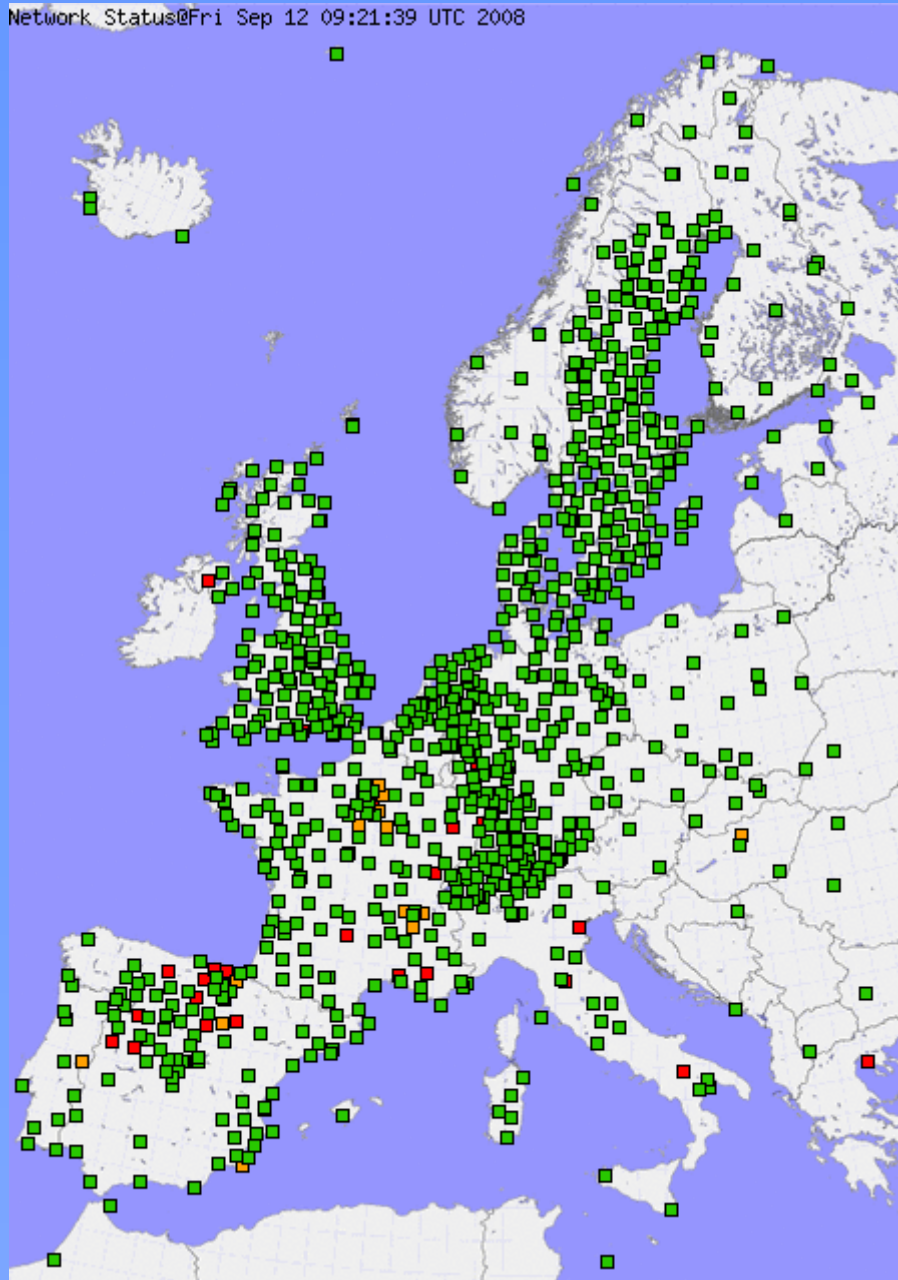
Showing statistics/time series

used by three processing centers

Graphical statistics of bias and standard deviation

Database optimization

Network Status@Fri Sep 12 09:21:39 UTC 2008



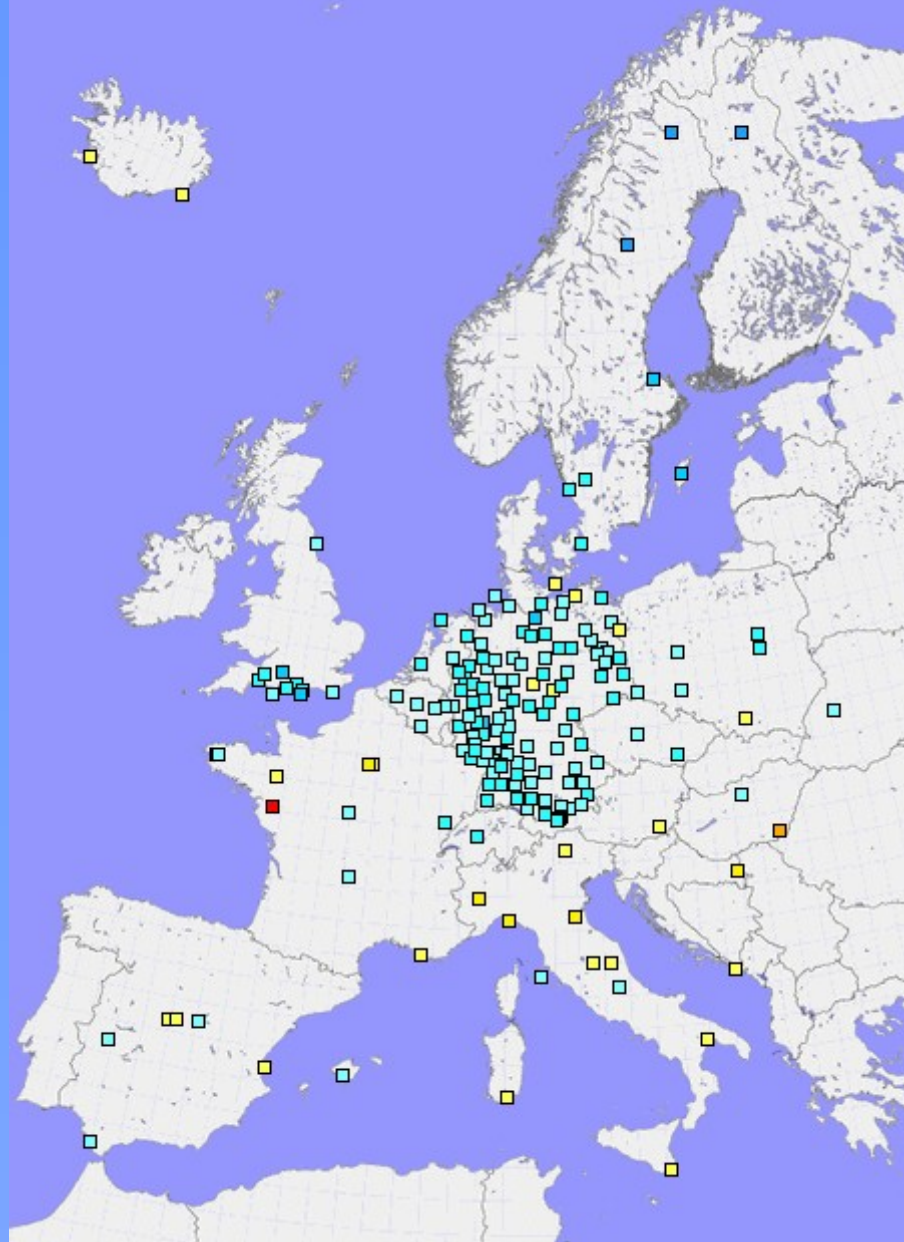
Koninklijk Nederlands Meteorologisch Instituut

16-9-2008

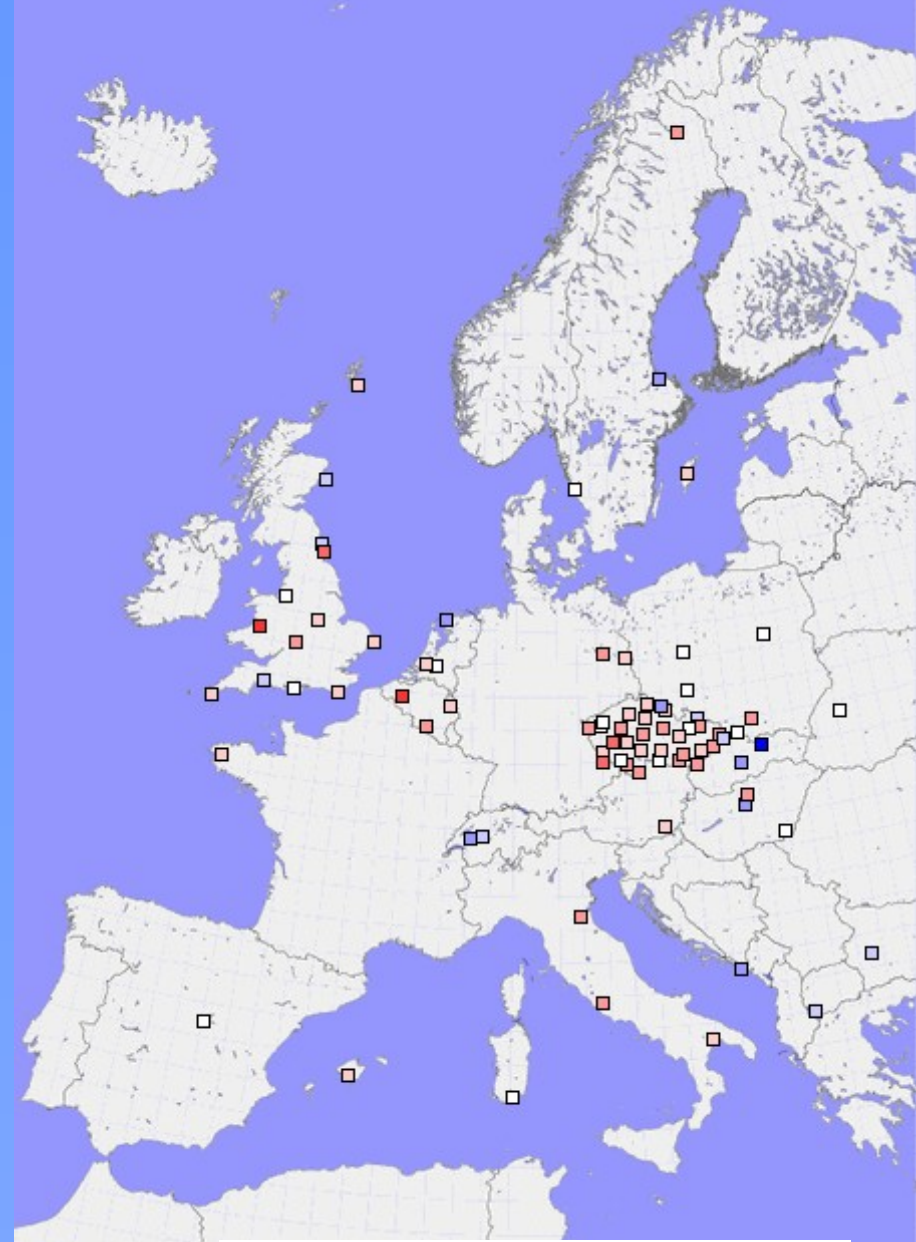
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7DAY standard deviation GFZ_ @Fri Sep 12 08:45:03 UTC 2008



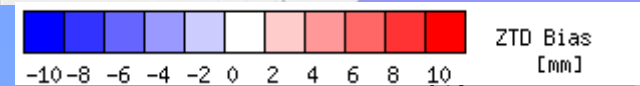
7DAY bias GOP_ @Fri Sep 12 08:45:04 UTC 2008



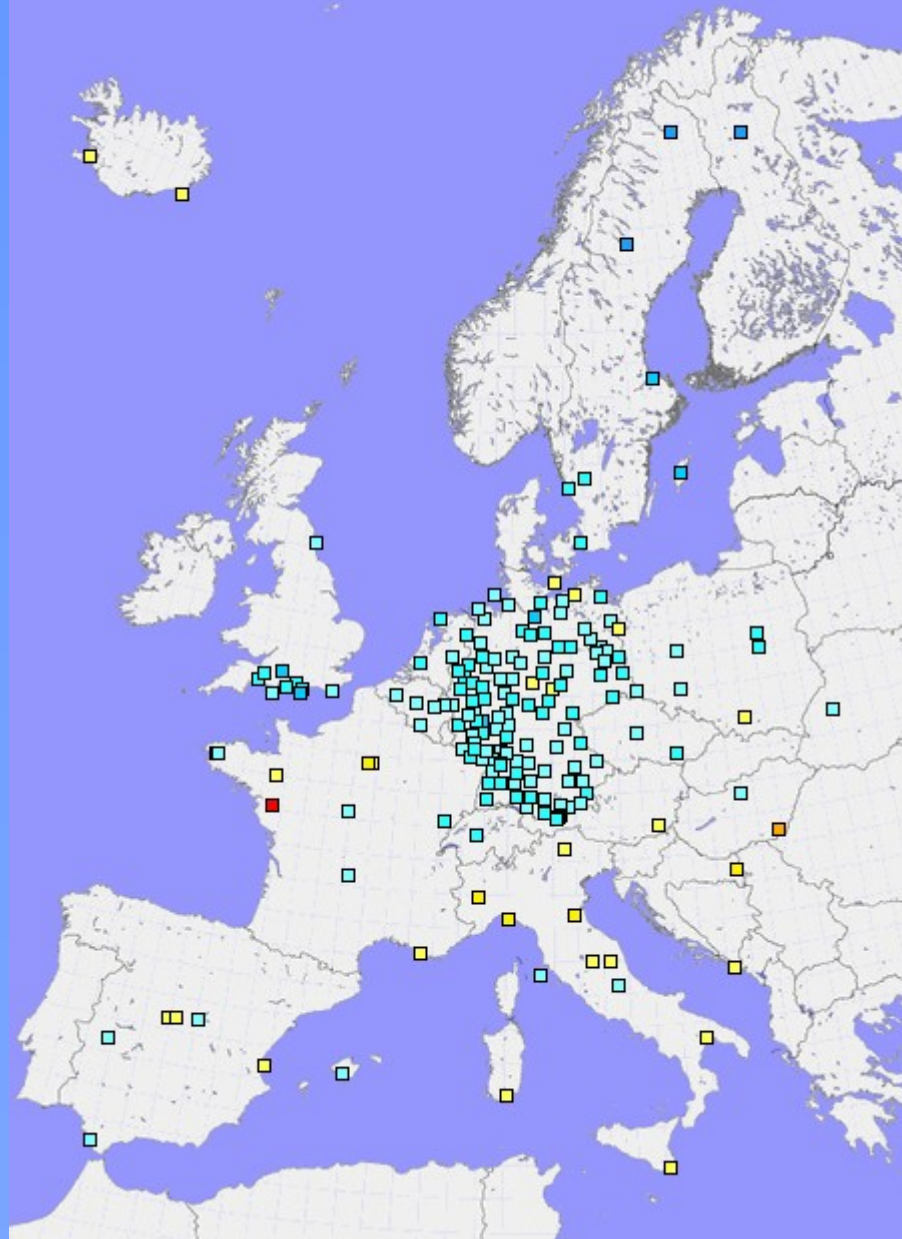
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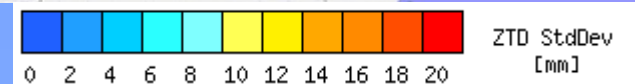
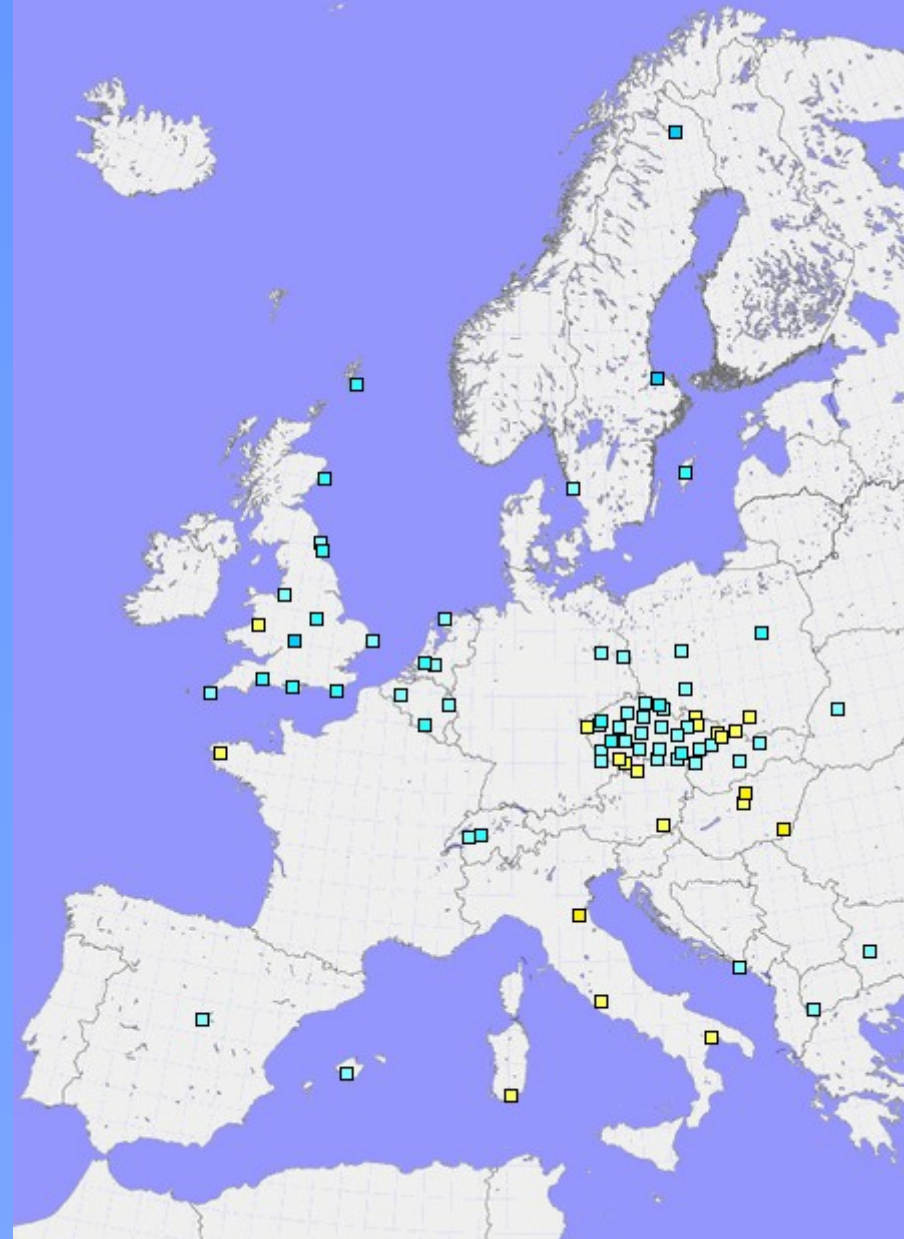
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7DAY standard deviation GFZ_ @Fri Sep 12 08:45:03 UTC 2008



7DAY standard deviation GOP_ @Fri Sep 12 08:45:04 UTC 2008



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at

Next steps to be implemented

OB statistics from NWP assimilation centers

Passive

Active

QC Feedback mechanism