



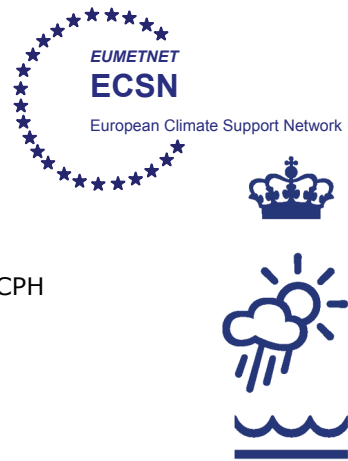
7th ECSN Data Management Workshop at DMI Copenhagen, November 4-6, 2009

Group reports from Workshop session

On the topic:

Major challenges the participants at the 7th ECSN Data Management Workshop (Copenhagen 4-6 November 2009) see **for the NMHSs to address** within the field of data management **in a time perspective of 1-5 years from now:**





List HIRLAM GROUP

Regarding : 7th ECSN Data Management Workshop, DMI, CPH
LIST OF NATIONAL CHALLENGES

Date of Meeting d.: November 5th 2009 Hours 16:00 - 16:30

Setting: HIRLAM

Participants:

HIRLAM-group findings recorded during
the group session by: Claus Kern-Hansen, DMI

Each breakout group please list from national experiences point of view which challenges you see for the NMHSs to address within the field of data management in a time perspective of 1-5 years from now:

List:

EUMETGRID – probably a major challenge for many countries –to be solved separately

Requirements from **INSPIRE** – think about developing standard (work is going on in WIS working group) before it hits NMHSs. *Will help us to improve on our metadata*

Reference measurements (when we modernise the station networks)

Loss of human observers observations/parameters

Data rescue (including the help in photographing the paper; maps observers journals etc)

Quality Control –

Important to give attention to Level 1 check (the benefits from QC at the station/instrument level – will be a considerable help and benefit for later use of data by model, meteorologist and climatologist.

Degradation of instruments.

Homogenisation – two perspectives: the long term homogenization (at special occasions (normals, RD programmes IPCC etc) + the daily transformation due to change of location

Utilize EUMETGRID as stimulation for other initiatives: detailed standardizing instrumentation, QC etc.

WIGOS Frame...

Standardization of nomenclature of QC (QC-0 -1- 2 -)

Classification of measurement sites (for each instrument for each site)



List Auditorium Group

Regarding : 7th ECSN Data Management Workshop, DMI, CPH
LIST OF NATIONAL CHALLENGES

Date of Meeting d.: November 5th 2009 Hours 16:00 - 16:30

Setting: Auditorium

Participants:

Auditorium-group findings recorded during the group session by: Ellen Vaarby Laursen, DMI

Each breakout group please list from national experiences point of view which challenges you see for the NMHSs to address within the field of data management in a time perspective of 1-5 years from now:

List:

Group Brainstorm:

- (Met office, National Climate Information Centre) Uncertainty of data network sustainability: How to ensure continuity of financial support for NMHS and for data from collaborators both.
- Clearly show the value (to decision makers) of data collection, it being a NMHS backbone
- (DMI) Clearly state policies.
- (DWD) Different data types are needed: In situ, radar, satellite, profile. The upcoming integrated data sets will show that we must actually have all the different data types available, none can be spared. Examples of integrated: satellite & in situ, radar and precipitation.
- Integrate the different data types as aide in QC
- Use probability as a QC flag. How to standardize this?
- Continue to improve QC and share best practise and expertise
- Real-time QC
- (DMI) station wise QC 0
- We have not agreed on an international QC standard. We have developed national standards, the best each nation could do, presumably. But we have not developed international standards. And we have not equal opportunities, political priority, practicalities, financiering.
- Users acquire REAL-TIME products. And cross borders products
- To ensure end user engagement
- Digitization of archive data (observations AND metadata both). Daily data, and hourly. Present focus on climate give more opportunities for funding? Should data be digitized as such or just when specific end users = funding is available.
- Historic Maritime observations



List Drivhus group

Regarding : 7th ECSN Data Management Workshop, DMI, CPH
LIST OF NATIONAL CHALLENGES

Date of Meeting d.: November 5th 2009 Hours 16:00 - 16:30

Setting: Drivhus

Participants:

Drivhus-group findings recorded during the group session by: Aryan van Engelen, KNMI

Each breakout group please list from national experiences point of view which challenges you see for the NMHSs to address within the field of data management in a time perspective of 1-5 years from now:

List:

A. John Cappelen: Towards common outreach strategy
A more common data management in Europe (data policy practices, exchange etc)

B. Dan Hollis: Have to cope with shrinking observation networks

John Cappelen: Change from manual to automatic observations systems.

Frank Kaspar: Take more satellite based climatology into account (global radiation, could cover" asset of satellites. Take more remote sensing into account

C. Ingeborg Auer: Challenge of having homogenizeing daily or subdaily series + DARE (Data rescue activities) including metadata.

Hans van Hauteghem: Semi automated QC of 10 min data

Solfrid Agersten: Establishment of a pan European harmonized integrated QC-system.

Denis Stuber: Recommendations / standardisation and improve access and contents of best practices in data management

Vladimir Djurdjevic: Intensifying observing soil temperature and moisture + snow cover. (I.e. Snow depth in ECA&D)

Ingeborg Auer: Data policies