



**WELCOME all participants !!!**





# ECSN –7.th Data Management Workshop



Claus Kern-Hansen  
Danish Meteorological Institute

# Welcome



First of all welcome

to the 7.th ECSN Data management Workshop  
to DMI

# Welcome on behalf of DMI



Presently at the  
EUMETNET Council  
meeting at KNMI

**Peter Aakjær**  
**Director General**

# Welcome on behalf of DMI



*Presently in Greenland*

**Niels Jørgen Pedersen**  
**Director of Data & Tech**

# Welcome speech



- ECSN Historical overview (info/background)
- Intention and discussion in ECSN Advisory Com
- Practical information

# ECSN is a EUMETNET program



- In short EUMETNET is at present the cooperation between 25 European NMS's represented by their directors in the EUMETNET Council

### Domains

#### Observations

- [EUCOS](#)
- [E-AMДАР](#)
- [E-ASAP](#)
- [SURFMAR](#)
- [OPERA](#)
- [EUMETREQ](#)
- [WINPROF](#)
- [E-GVAP](#)

#### Forecasting

- [SRNWP](#)
- [BMA](#)
- [SatRep](#)

#### Environment & Climate

- [ECSN](#)
- [WG-ENV](#)

#### Research & Training

- [EUMETCAL](#)
- [EUMETRep](#)

#### Old Programmes

- [AWS](#)
- [PWS](#)
- [SWS](#)
- [OBS-INFO](#)
- [UNIDART](#)
- [TIPS](#)
- [MAP-NWS](#)



# EUMETNET

The Network of European Meteorological Services

[Home](#)[Events](#)[About us](#)[Working Area  
Members only](#)[Links](#)

[EUMETNET G.I.E/EIG is a network grouping 26 European National Meteorological Services.](#)

EUMETNET provides a framework to organise co-operative programmes between the Members in the various fields of basic meteorological activities such as observing systems, data processing, basic forecasting products, research and development, training. Through EUMETNET Programmes, the Members intend to develop their collective capability to serve environment management and climate monitoring and to bring to all European users the best available quality of meteorological information. They will use EUMETNET to more efficiently manage their collective resources.





# ECSN is a EUMETNET program



- In short EUMETNET is at present the cooperation between 25 European NMS's represented by their directors in the EUMETNET Council
- EUMETNET runs a number of projects and programs, of which ECSN European Climate Support Network is one.
- ECSN is run by a Program Manager

# Dr Aryan van Engelen



[http://www.eumetnet.eu/ECSN\\_home.htm](http://www.eumetnet.eu/ECSN_home.htm)

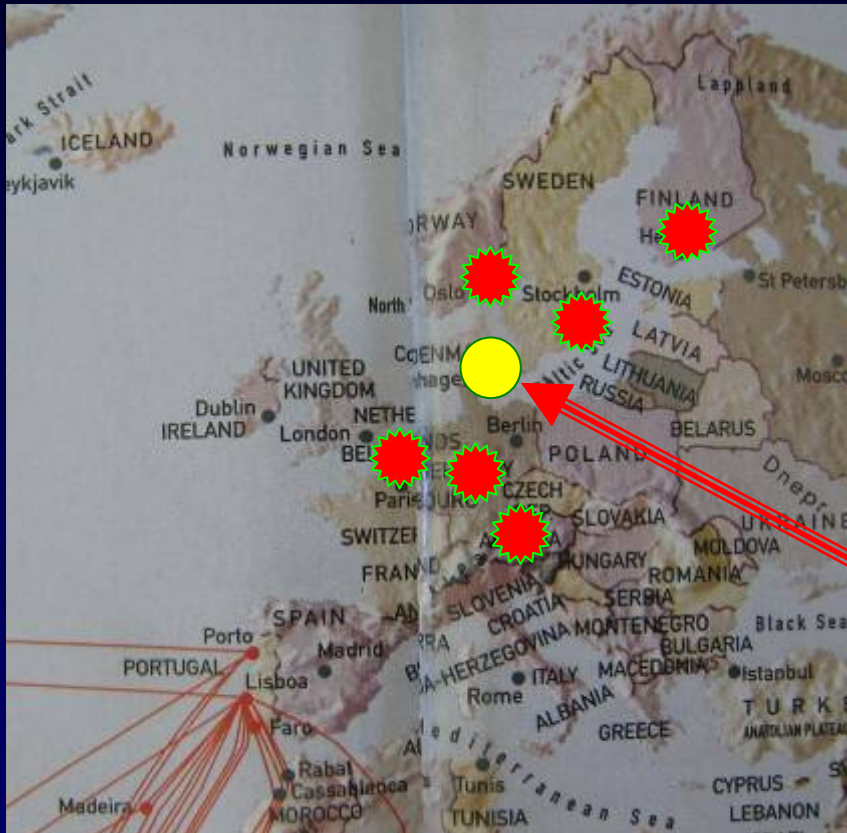


# ECSN – specific projects as well as..



- European Conference of Applied Climatology
- European Conference of Applied Meteorology  
Climate session
- ECSN Data management workshop- bi annual

# Data(base)management workshop -> Data(User)&Management workshop → Datamanagement workshop



1. SMHI 1996 (old ECSN)
2. DNMI 1999
3. DWD 2001
4. FMI 2003
5. KNMI 2005
6. ZAMG 2007
7. DMI 2009

# 5.th – KNMI De Bilt 2005



EURETNET  
ECSN  
5th EC

### Conclusions

- The workshop brought
- The ECSN NMHS's
- NMHS's of the whole
- The NMHS's with th

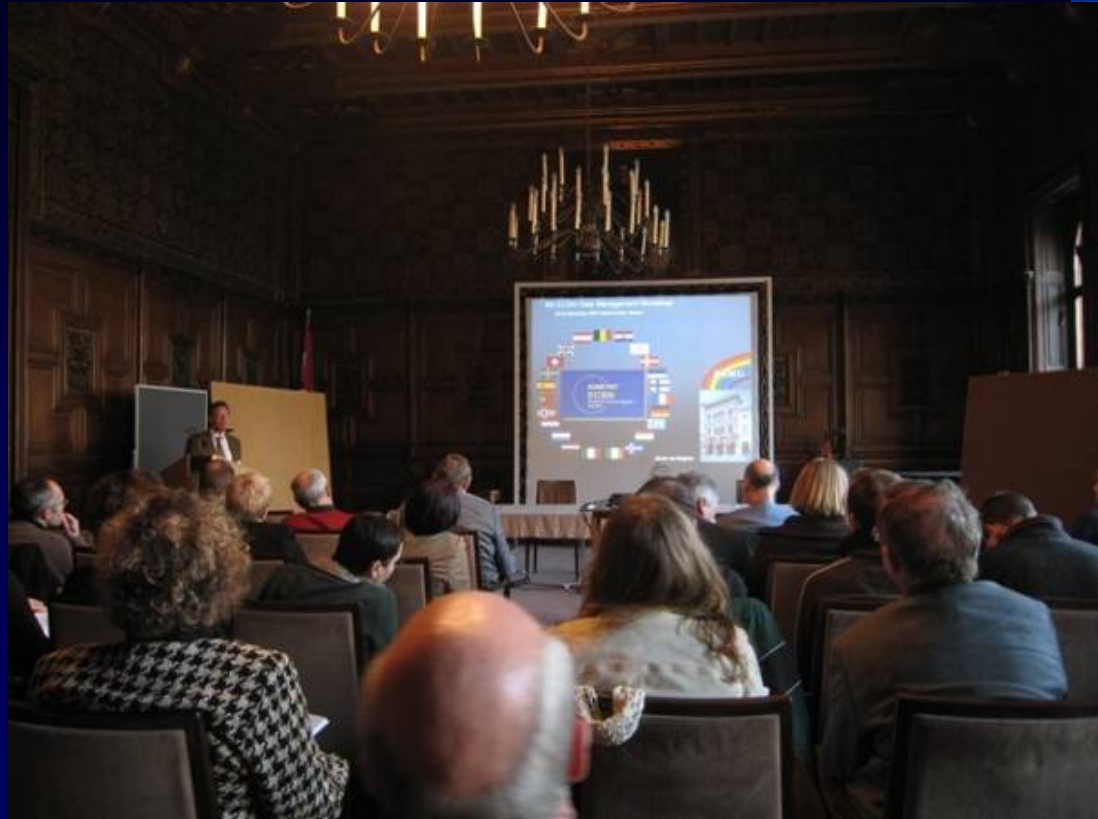
The NMHS's should  
the Research Comm

- To better fulfil the s
- To get involved into
- Which helps to bett
- the climate
- ECSN NMHS's need
- counterparts

TODAY

Discussions about...  
http://vgisc-2.dwd.de/vgisc/  
tue wri... cost 719 / cost 719

# 5.th – ZAMG Vienna 2007



# Preamble / rationale of the 7. ECSN DataManagement Workshop

March 2009/1. April 2009 draft plan to be approved by PM and EAB



- It is well known that there are many relevant and high profile conferences and workshops that addresses the **current scientific challenges** for climatologists as well as the **linkage between users** (incl. researchers) and our NMS's climatological services.
- We too know that many of our research scientists and other "front figures" are regular participants in these arrangements, allowing them to stay in contact with each others.
- One of these many relevant opportunities is "our own" climate sessions at ECAM this year, where the programme already addresses a wide range of topics.
- Not to replicate these, and to offer something different we like to suggest that this years Data Management Workshop **should be dedicated to the more basic functions of our Climate Services. Allowing us to provide an opportunity for NMS staff engaged in the "back office" and basic functions to meet and exchange experience.**
- By adopting the following suggested list of topics, and by arranging it in Copenhagen **(with a fair chance to access by low fair airplane tickets) in November (with a fair chance to get affordable accommodation) we think ECSN facilitates such an ambition for all our member NMS's.**



# Intention and discussion in ECSN EAC



The Data Management Workshop is traditionally more focussed on internal communication of the ECSN members about best climatological practices.

- It is recommended to keep this workshop as a “niche” and with a “strict” focus on the ECSN climatological practices that can also be outside the data domain.

# Intention and discussion

Focus: (draft)

- Create an overview of the national climate services, activities, common challenges
- Networking ECSN members

- Invitation:

*Present challenges, national experience & practices within the field of climatological data by the European National Meteorological and Hydrological Services (NMHS)*

# The "voice" of the director general

and his climate data spin doctor



**Peter Aakjær**  
**Director General DMI**

- Good and sufficient Climate data management is a background to all climate related analysis like climate assessment, -prediction, -model calibration etc. As such, good and sufficient climate data management is and will be a core activity in all NMSs

- The focus on Climate data (management) should support the outcome of WCC-3 in Geneva in september 2009; Climate services in order to secure the timely and necessary information will be present for decision makers

- Keep your standards high but Focus on the possible solutions - more than the "perfect world"

# 7th ECSN-DMW 2009



## Output:

- collection of abstracts/presentations/overview of national practices
- Summary of workshop findings
- List of "Hand on" questions/challenges
- Answer to some of these (?)

# Local organizers

- Claus Kern-Hansen - Ellen Vaarby Laursen



- Helle Morais

# Backing group

- John Cappelen



- Kenan Villic



- Mikael Scharling



DMI, Lyngbyvej 100, DK-2100 Copenhagen



DMI is the national meteorological service of Denmark and Greenland. The 7<sup>th</sup> ECSN Data Management Workshop is hosted by DMI at the DMI headquarters situated in the Copenhagen district 'Østerbro', 15 km from Copenhagen airport and next to train station 'Ryparken'.



<http://ecsn2009cph.dmi.dk>

#### Venue

DMI  
Auditorium  
Lyngbyvej 100  
DK-2100 Copenhagen  
Denmark

#### Further information

Details on registration procedures and the workshop in general will become available on the website:

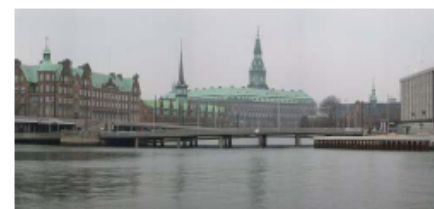
<http://ecsn2009cph.dmi.dk/>

or by contacting the organising committee:

Claus Kern-Hansen  
Ellen Vaarby Laursen  
Danish Meteorological Institute  
Lyngbyvej 100, 2100 Copenhagen  
[ecsn2009cph@dm.dk](mailto:ecsn2009cph@dm.dk)

#### Accommodation

A limited number of special rate hotel rooms (DKK 895 single, DKK 995 double) are reserved at Hotel Astoria and DGI-byens Hotel, in the Copenhagen Centre. Further information on the rooms and the booking procedure on the workshop website:  
<http://ecsn2009cph.dmi.dk/>



## 7<sup>th</sup> ECSN Data Management Workshop

DMI, Copenhagen, Denmark

4-6 November 2009

Present challenges, national experience & practices within the field of climatological data by the European National Meteorological or Hydrological Services (NMHS)

Call for abstracts

#### Workshop language

The workshop language is English, no interpretation will be provided.

#### Presentations

Presentations will be oral or poster.

Oral presentations will be 10-20 min depending on the final programme.

Posters are invited to be posted on the first morning of the workshop in the poster/tea break area in immediate connection with the conference room. On the first day each poster will have an 1-2 min presentation during a poster presentation session.

#### Abstract format

Abstracts should be short (2000 characters), and written in English in plain text or MS Word format. No figures or tables should be included in the abstract.

Please include the following information:

- Headline of the workshop topic of interest.
- Preferred presentation: Oral or poster.
- Title
- Author(s)
- Affiliation(s)
- Contact address (email and postal/fax)
- Abstract text.

#### How to submit an abstract

Please send the abstract (conforming to the above mentioned abstract format) by email to: [ecsn2009cph@DMI.dk](mailto:ecsn2009cph@DMI.dk)

Within 1-4 days you should receive email-confirmation from us, that we have received your abstract.

Deadline for abstracts: **July 1<sup>st</sup> 2009**

#### Headlines, workshop topics

### 1. Data management (sessions 1-5)

1.A. Databases: Observational, climatological, station management

1.B. Dataflow

1.C. Quality control

1.D. Data format – archiving & data exchange

1.E. Observational practices & strategy

1.F. Present challenges: Exchange of data and metadata

### 2. Derived products & linkage to users (sessions 6-8)

2.A. NMHS internal users & tools

2.B. NMHS external users

For more details on the above listed workshop topics, please confer with the first announcement leaflet: [http://ecsn2009cph.dmi.dk/ecsn2009\\_leaflet.pdf](http://ecsn2009cph.dmi.dk/ecsn2009_leaflet.pdf)

#### Proceedings & document exchange

All document exchange will be electronic

Accepted abstracts will be published with the workshop programme August 15<sup>th</sup> 2009.

We encourage speakers to deliver a copy (pdf or MS-Office file) of their presentation to the organising committee at the workshop, in order to have the presentation included in the workshop proceedings.

Proceedings will be available December 2009 from the workshop website: <http://ecsn2009cph.dmi.dk/>.

#### Workshop programme

##### Wednesday November 4<sup>th</sup>

09:00: Registration  
10:00 – 17:00: Welcome, sessions 1 – 3 and poster session.  
Evening: Optional tour of the DMI Forecast Services Department.

##### Thursday November 5<sup>th</sup>

09:00 – 17:00: Sessions 4 – 7.  
Evening: Workshop dinner in town.

##### Friday November 6<sup>th</sup>

9:00 – 12:30: Session 8 and closing session.

Based upon the abstracts received the detailed programme, including breaking news with invited speakers, will be announced: August 15<sup>th</sup> 2009.

#### Registration and workshop fee

Workshop fee: **110 €** will cover lunches Wednesday – Friday and workshop dinner Thursday night.

Registration opens May 15<sup>th</sup> 2009 at the workshop website <http://ecsn2009cph.dmi.dk/>.

Registration deadline is September 15<sup>th</sup> 2009. We expect 45-60 participants and max. number of participants is 80.



# Practical information

- Program
- Logistics





## Workshop program

### Wednesday November 4th

09:00: Registration

10:00 – 12:30 (Lunch) 13:30-15 (Coffee) 15.30-16:30

16:45-18 (optional tour of DMI forecasting services)

18-19 (Icebreaker)

### Thursday November 5th

09:00-10:20 (The) 10:50-12:30 (Lunch) 13:30-14:50

(coffee) 15:20-17 *Plenum working session "Major challenges in datamanagement af NMHSs"*

19- Evening: Dinner in downtown Copenhagen.

### Friday November 6th

9:30 (!!) – 10:30 (coffee) 11-12:30 (wrapped sandwich to go)



- Conveners – please make sure you contact your speakers in good time before your session starts



- Conveners – please make sure you contact your speakers in good time before your session starts
- Speakers – please make sure we get your powerpoint on the computer asap



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- Conveners – please make sure you contact your speakers in good time before your session starts
- Speakers – please make sure we get your powerpoint on the computer asap
- Speakers – if your presentation is not a standard powerpoint – please let us know asap
- The intention is to make the outcome from this workshop available through the website – so if you will not permit your presentation to be shared (as pdf) please let us know as well

# Time



- Speakers - please restrict your presentation to the time given in the program;
- Conveners will enforce the timetabel (kindly but firmly)


# http://ecsn2009cph.dmi.dk/



7th ECSN data management workshop 2009 - Windows Internet Explorer

http://ecsn2009cph.dmi.dk/

Home Programme Accomodation Registration Abstracts



**Background**

Per 31 December 2008, 25 European NMHS's (National Meteorological or Hydrological Services) participate in the EUMETNET Programme ECSN ([European Climate Support Network](#)). This year's ECSN Data Management Workshop is dedicated to the more basic functions of our climate services, allowing us to provide an opportunity for NMHS staff engaged in the "back office" and basic functions to meet and exchange experience.

The previous six work shops were held:

- SMHI 1995 (old ECSN)
- DNMI 1999
- DWD 2001
- FMI 2003

**Workshop 2009**


DMI is the national meteorological service of Denmark and Greenland. The 7th ECSN Data Management Workshop is hosted by DMI at the DMI headquarters situated in the Copenhagen district 'Østerbro', 15 km from Copenhagen airport and next to train station 'Ryparken'.

**Download:**

- [General information leaflet \(pdf\)](#)
- [Call for abstracts leaflet \(pdf\)](#)

**Venue:**

Auditorium  
Danish Meteorological Institute (DMI)  
Lyngbyvej 100  
2100 Copenhagen  
Denmark



Indeholder kommandoer til at arbejde med markerede emner

Start Wireless Network Conne... EAC-13 7th ECSN data manag... PRIMUS IPACCT LOGIN -... logo\_copenhagen.ppt EAC-14-DMW7-2009-CK... DA 100% 16:26



# In your bag

- Program
- Abstracts
- Important information (smoking, internet, dinner)



# Not In your bag

- Program
- Abstracts
- Important information (smoking, internet, dinner)





# In your bag

- Travel guide – how to reach the restaurant Thursday evening
- Travel guide – how to get to the airport

Handout during the following days

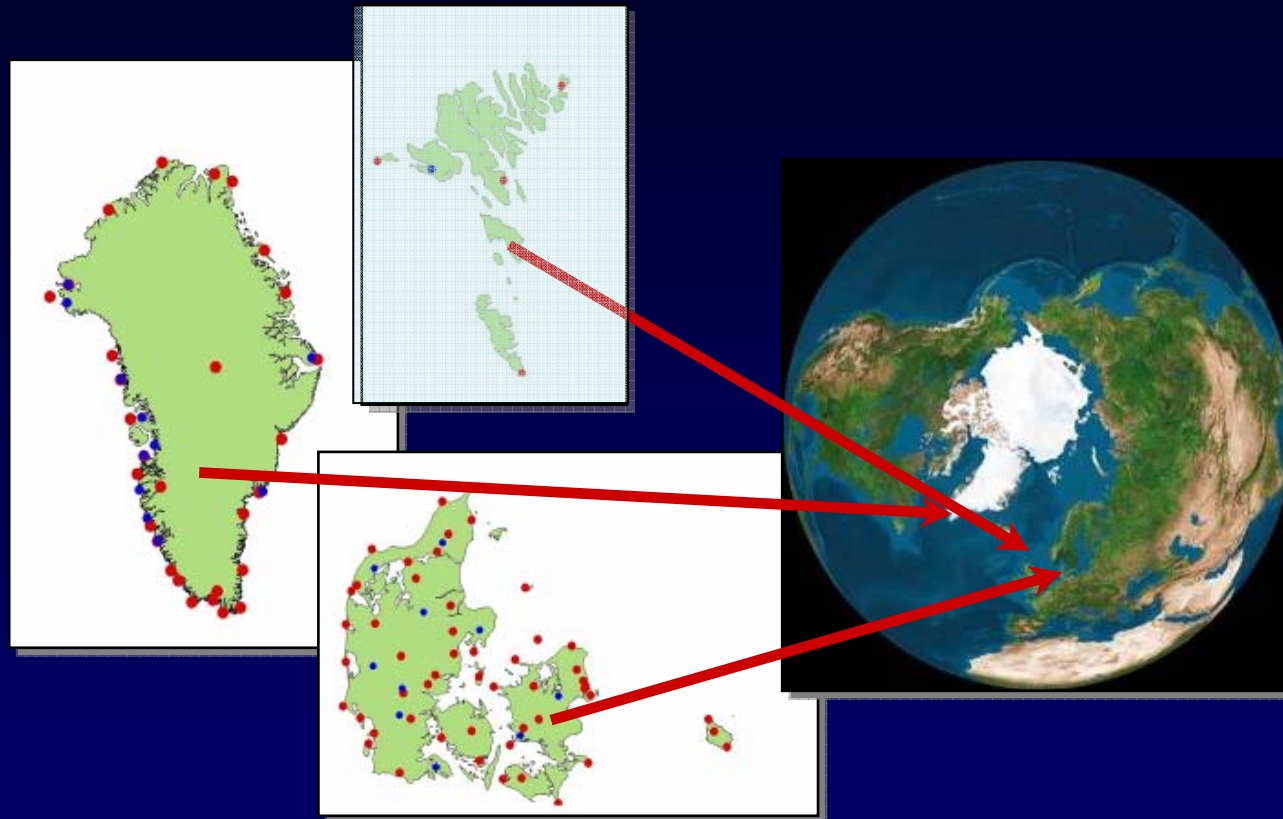
# smoking, internet, dinner



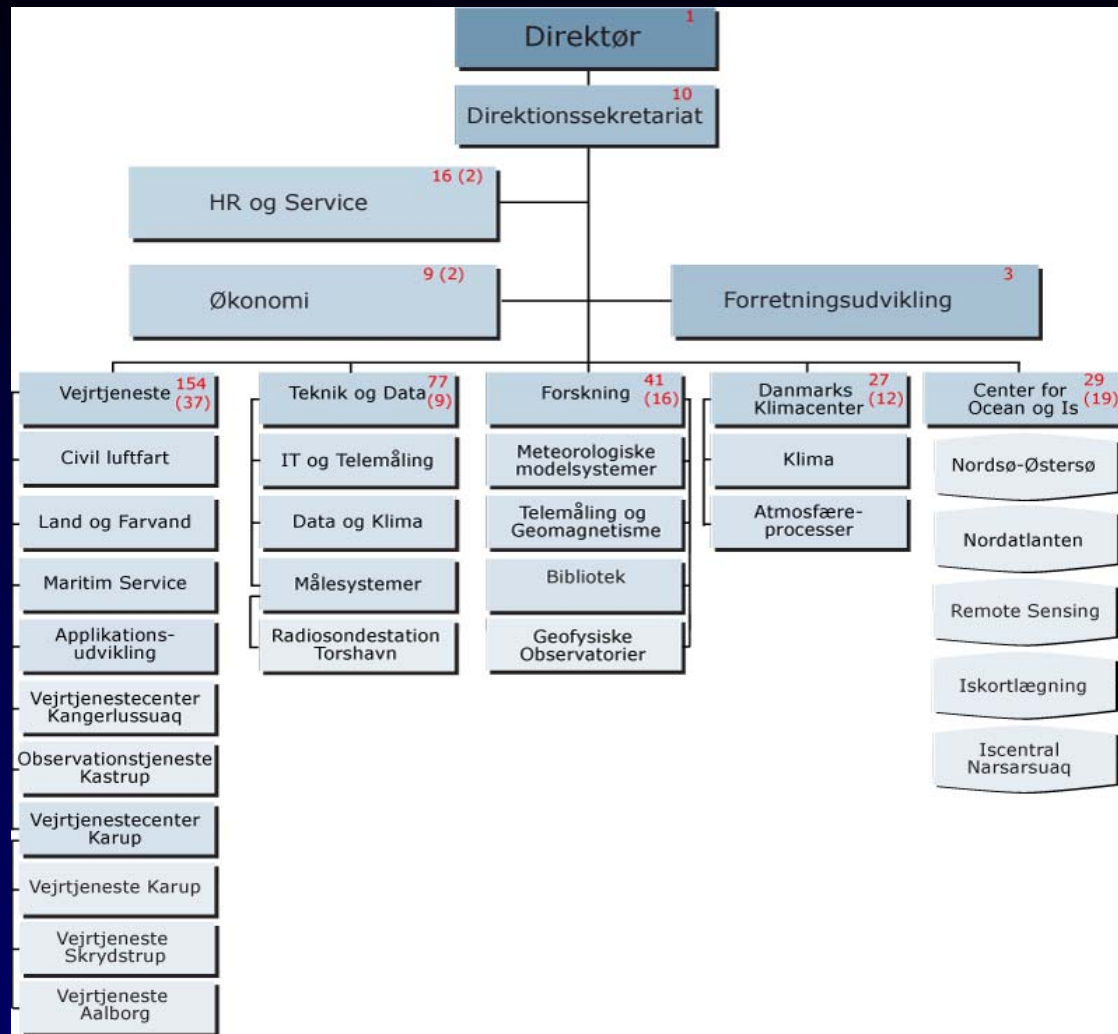
- Smoking is not permitted inside buildings at DMI
- -> outside – trough the door in the cantina (next door)
- Internet – wireless here in this auditorium – free of charge but due to security requirements you need a personal login (from Helle)
- Dinner – dietary restrictions (Helle)
- Lunch, dinner, icebreaker, sandwich to go on Friday – all included

# Geographical responsibility

(and synoptic network)



DMI's area of responsibility comprises **Denmark, Greenland and the Faroes**  
This geographical area including surrounding waters and airspace



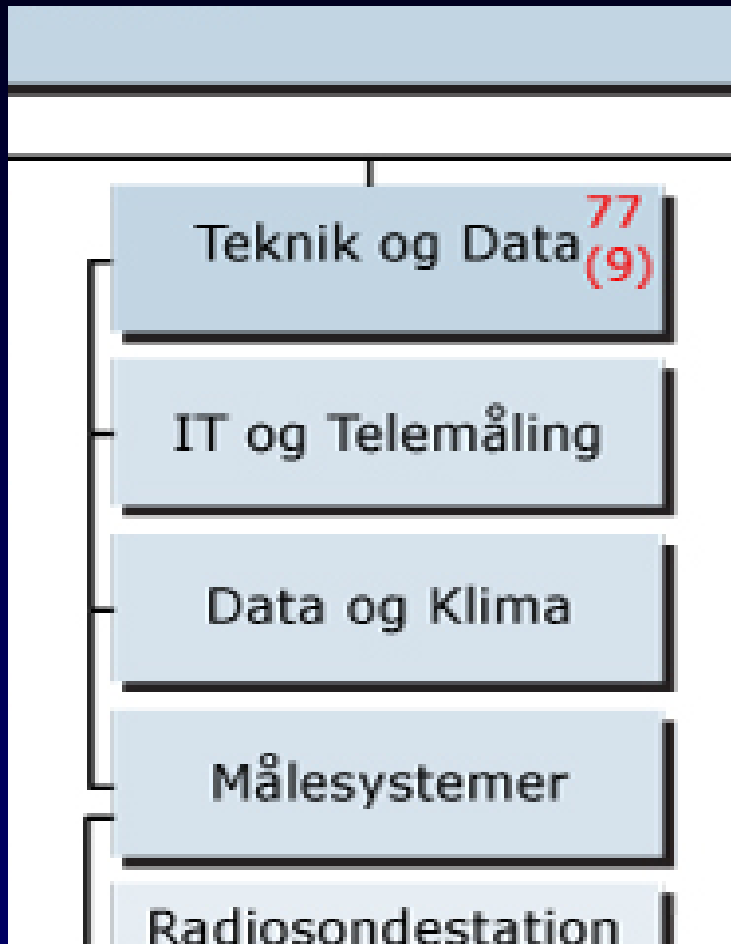
Weatherservice

met research

Ocean & seaice

Tech & Data

Climateprediction



Tech & Data Department

IT & Remotesensing Div

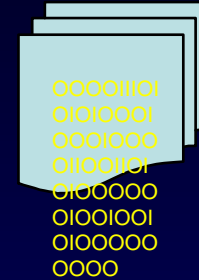
*Data & Climate div*

Measuring systems div

# Data & Climate Division at DMI

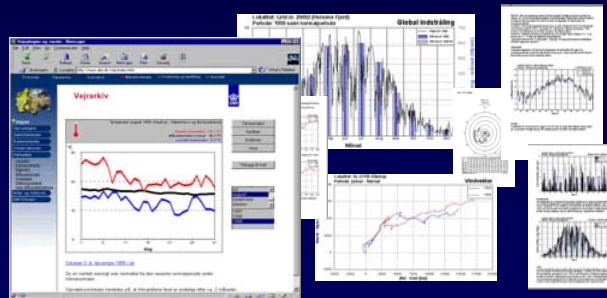


## Datamanagement



## Climatological analyses

### Data & Climate information



## Project & Datatype key





# Once more: Welcome

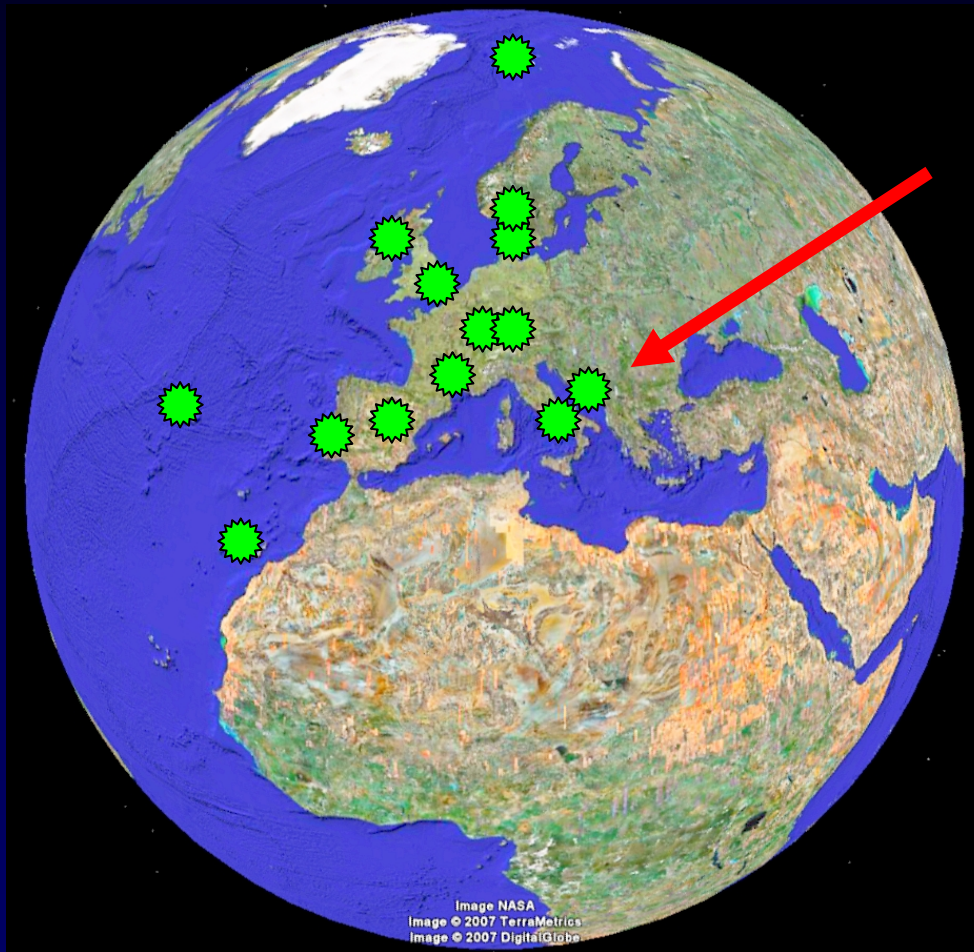


- Any questions ????????



Dmi

# EAC



1. Madrid 98
2. Lissbon 99
3. Rome 99
4. Oslo 00
5. Tenerife 00
6. Zürich 01
7. HohenK 02
8. Toulouse 03
9. Dublin 04
10. Copenhagen 05
11. Exceter 06
12. Ponta Delgada 07
13. Longyearbyen 08
14. Dubrovnik 09



ECSN

## 7.th Data Management Workshop

Copenhagen x-x Month 2009

(Report) Observations by EAC chair

Claus Kern-Hansen  
Danish Meteorological Institute