

# SATREP Online

Zentralanstalt für Meteorologie und Geodynamik 

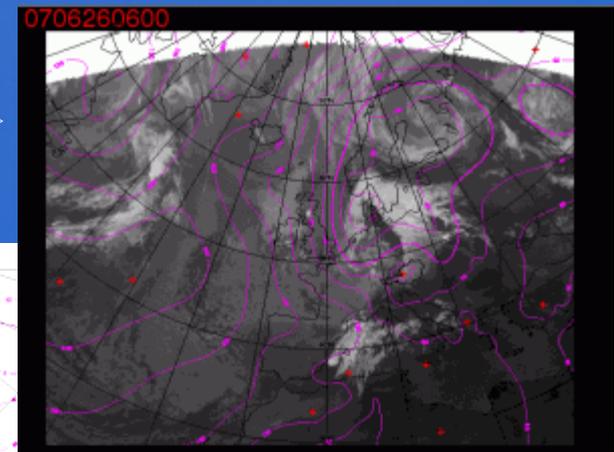
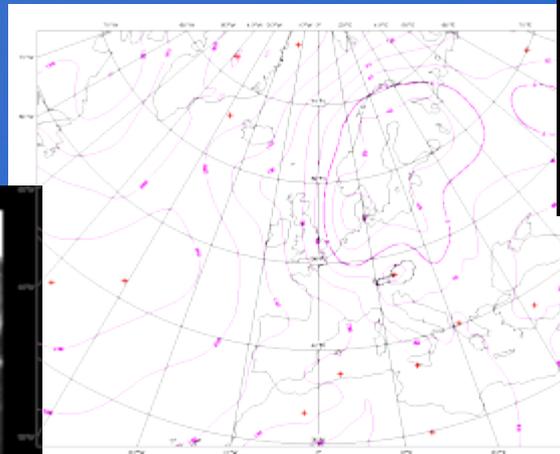
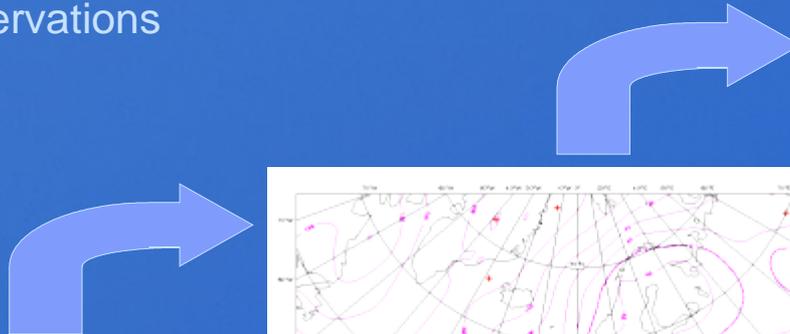
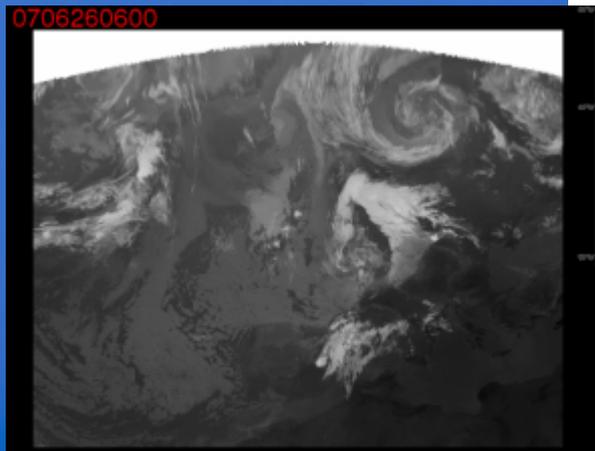
*Jarno Schipper* – Zentralanstalt für Meteorologie und Geodynamik,  
Austria.

*Vesa Nietosvaara* – Finnish Met Institute, Finland

# SATellite REPort



- A method of deriving a thorough view of the actual weather using:
  - satellite imagery
  - model data
  - observations



# The Goal

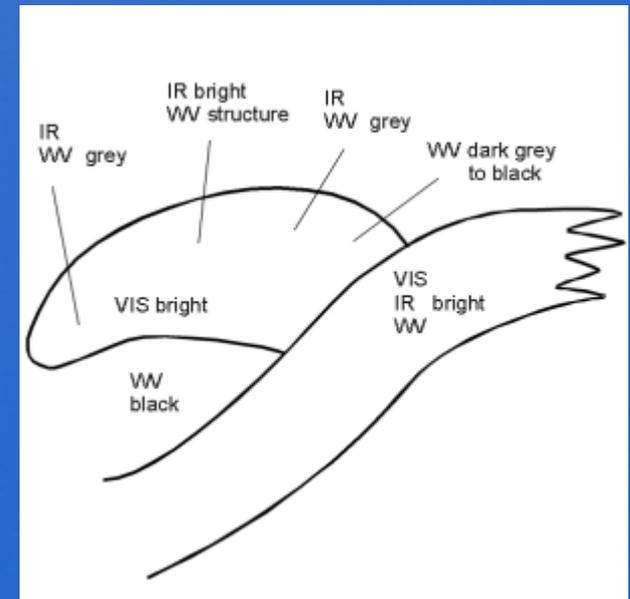


- Recognising cloud patterns in satellite images by **Conceptual Models**

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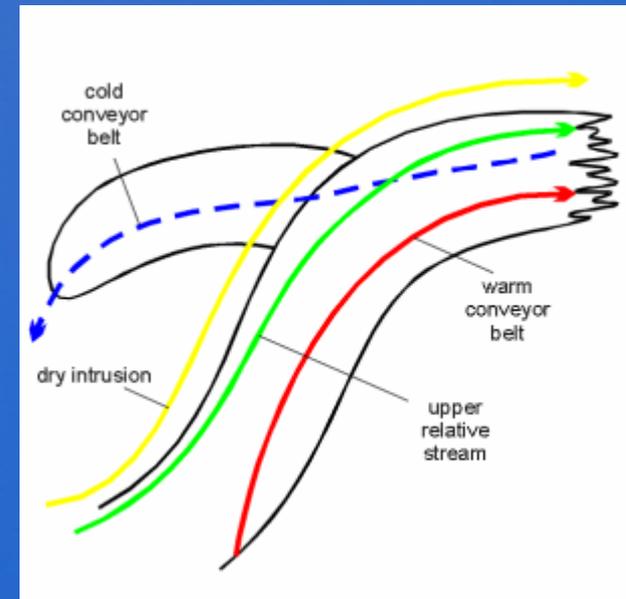
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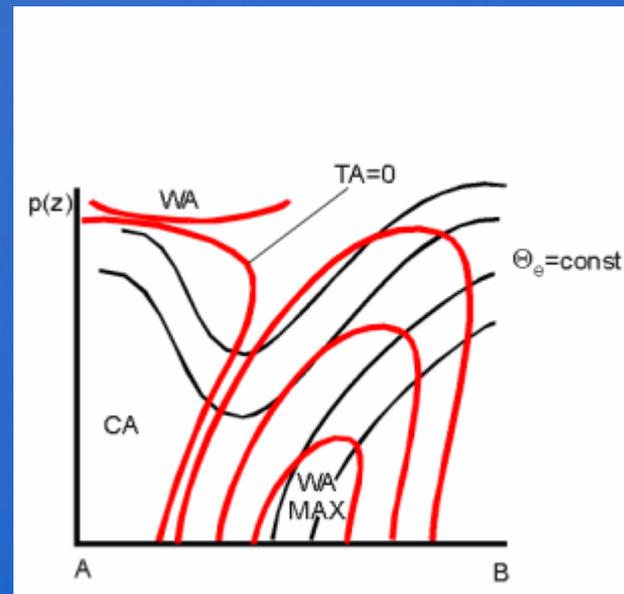
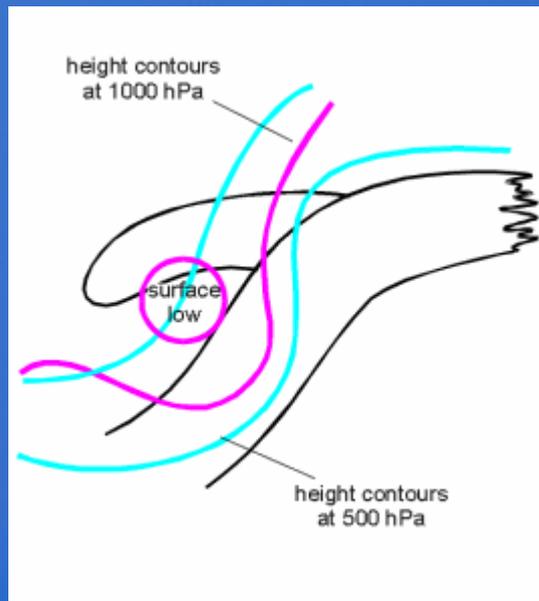


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  - Appearance in satellite image
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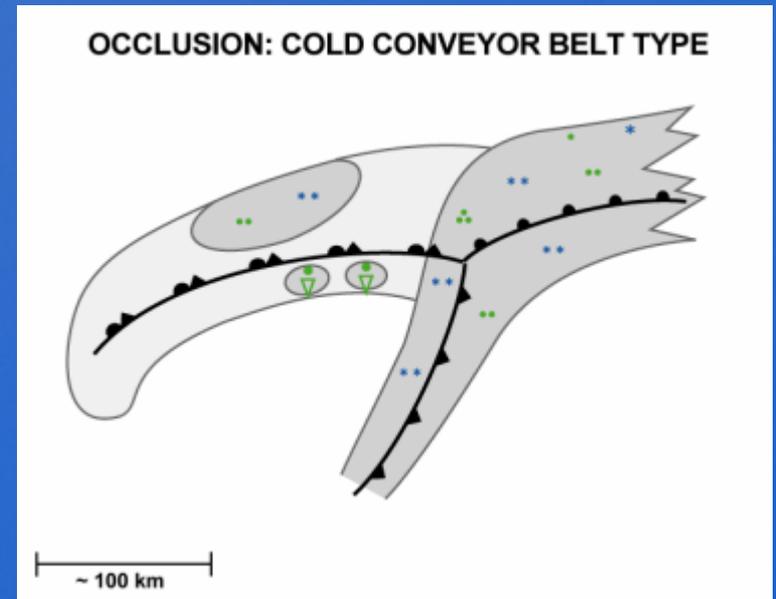
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  - Appearance in satellite image
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- Achieving a 3D - or even 4D-mental weather picture.
- Verifying model performance.
- In general, making the the use of satellite Information and NWP data more effective.

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- Further development with the cooperation of EUMETSAT and the Dutch (KNMI) and Finnish Meteorological Institute (FMI).

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- Operational SatRep:
  - International SATREP developed every 6 hours by the 3 NMSs: FMI, KNMI and ZAMG):
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  - Latest SATREP available at <http://www.knmi.nl/satrep>



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  - Discrepancies between model output and satellite imagery
  - The most active weather systems
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  - Discussion on particular Conceptual Models

# Experiences



- Success
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  - Promotion for the operational SATREP/Eumetrain
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- Success
  - A lot of new contacts made
  - Promotion for the operational SATREP/Eumetrain
  - Weather discussions interesting
- Challenges
  - Technical: production chain. Emergency plans necessary!
  - Audio: phone lines
  - Still learning how to do it!

# Future plans

- **Informing** the forecaster community in Europe of this regular training activity.

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- Inviting new colleagues.
- Adding new features.
- Finding ways to make the briefing **more interactive**.

Thank You!

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