



Welcome to an Open Meeting on AI/Machine Learning and Weather Forecasting

Time: 23 October 2023, at 13.00-16.15

Location: Room Stora Sjöfallet,
Swedish Meteorological and Hydrological Institute,
Norrköping, Sweden
or by Zoom (or equivalent system)

This half day seminar will try to assess where we stand today with AI and weather forecasting and to look ahead and discuss possible, future consequences for meteorology and the weather forecasting community.

We will listen to presentations by

Mats Nordlund, AI Sweden,

Matthew Chantry, ECMWF

Angela Yong and Michael Hansson, SMHI

Private sector representative (tbd)

The afternoon will end with a panel discussion on the future of AI and meteorology moderated by Erland Källén

Full program can be found on the back page

Registration is necessary: Use the following SimpleSignUp link:

<http://simplesignup.se/event/209088-ai-and-weather-forecasting>

Indicate if you intend to participate physically, remotely and if you want to join the social get together after the seminar at SMHI.

A link to remote participation will be sent to those who have registered for virtual attendance a couple of days before the seminar.

Deadline for registration: Friday, October 20.

**The meeting is free and open to everyone.
Everyone is also welcome to become a member of the Swedish
Meteorological Society**

SMS – Swedish Meteorological Society

www.svemet.org

Program

Seminar on AI-Machine Learning and Weather Forecasting

Time: Monday, 23 October, at 13:00-16:15 hours

Location: Room Stora Sjöfallet, SMHI- Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
and virtually by Zoom (or equivalent system)

1. 13:00-13:05 Opening
2. 13:05-13:35 What is AI? What makes AI different from traditional statistical methods? Mats Nordlund, AI Sweden
3. 13:35-14:05 ECMWF's strategy for development and use of AI in Medium-range weather forecasting. Matthew Chantry, Project Leader, ECMWF
4. 14:05-14:35 Private sector developments in AI and Weather Forecasting (tbd)

14:35-15:05 Coffee break

5. 15:05-15:35 Development of AI-based methods for weather forecasting at SMHI, Angela Yong, Head, Systems Development Data Portal, and Michael Hansson, Deputy Head, Weather Forecasting, SMHI
6. 15:35-16:15 Potential impacts of AI on weather forecasting, numerical weather prediction and training of future meteorologists. Panel discussion with the speakers.
Moderator Erland Källén