

we are happy to announce a NWP-Seminar:

Title: **ML/AI Activities @GeoSphere Austria – a brief overview and a deeper dive into nowcasting for wind and solar (4 energy)**

Date: 18 September 2024

Time: 10-11h

Place: MeteoSwiss, Zurich Airport, OPC 1, Room 5-331

Online: see Microsoft Teams link at the bottom of this text

Speaker: Irene Schicker (Geosphere)

**Abstract:**

At GeoSphere Austria - the national weather service of Austria - activities in the field of ML were evolving approx. one decade ago. With the growing interest, computational options and novel methods these additional tools were implemented for different applications.

The aim of talk is to give an overview on past, ongoing and future activities in ML&weather&climate applications. A variety of topics grouped into three main parts: analysis, forecasting and climate, which are tackled by applying data-driven methods, hybrid models, gridded and targeted point (or spatially aggregated) predictions for both deterministic and probabilistic cases. Results of projects are discussed for nowcasting of precipitation and wind, as well as current and future (semi-)operational implementations for e.g. satellite data-driven Global Horizontal Irradiance (GHI) predictions or probabilistic seamless predictions.

A deeper dive will be given into the nowcasting for wind and solar (energy) applications.

External guests: If you wish to attend, please send a short note as a reply to this mail. Please arrive at the reception desk at the Operations Center 1 Entrance A no later than 10 minutes before the start of the seminar and ask for name of the organiser of the NWP Seminar (normally the person who distributed this invitation). You will be picked up at the entrance.

You cannot attend but are interested in the seminar? All seminars are recorded and can be found on our NWP Seminar Confluence page here: <https://meteoswiss.atlassian.net/wiki/x/4wsfBw>

We are looking forward to seeing many of you!  
Numerical Prediction division of MeteoSwiss

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