

# Virtual Event: ECMWF-ESA Workshop on Machine Learning for Earth System Observation and Prediction



Contribution ID: 13

Type: **Oral presentation**

## Machine learning at ECMWF

*Wednesday, 7 October 2020 09:30 (30 minutes)*

The capability of machine learning to learn complex, non-linear behaviour from data offers many application areas across the numerical weather prediction workflow, including observation processing, data assimilation, the forecast model and the emulation of physical parametrisation schemes, as well as post-processing. This talk provides an overview on the activities at ECMWF to explore the potential of machine learning, and in particular deep learning, to improve weather predictions in the coming years.

### Thematic area

1. Machine Learning for Product development - Including NWP Post-processing, Non-linear Ensemble Averaging, Development of new NWP Products

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**Session Classification:** Session 4 (cont.): ML for Product Development

**Track Classification:** ECMWF-ESA Workshop on Machine Learning for Earth System Observation and Prediction