



Contribution ID: 1

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## Numerics and Discretization in NWP today

*Monday, 19 April 2021 10:30 (1 hour)*

Using the 30-year history of ECMWF's Integrated Forecasting System (IFS) as an example, the lecture is an introduction to the development and current state-of-the-art of global numerical weather prediction (NWP), as well as to the challenges faced in the future. It is intended to provide an overview and context for the topics covered in more detail during the course.

By the end of the session you should be able to:

- describe the development of global NWP, the current-state-of-the-art, and future challenges
- identify relevant areas of research in numerical methods for Earth-System Modelling
- put into context every subsequent lecture and its purpose

**Presenter:** WEDI, Nils (ECMWF)