Workshop: Observational campaigns for better weather forecasts

10-13 June 2019

Questions for the working groups

Tue 14-15.30, Wed 16.30-18.00; Summary Thur 14-16

From models to observations:

- How can knowledge and diagnosis of NWP problems help define future field campaigns?
- What gaps in knowledge should future campaigns address?
- How are field campaigns making use of NWP data, for defining questions, flight planning, choice of period, etc.? What NWP-based products are needed to support field campaigns?
- How can observational campaigns learn from each other in terms of their usage and diagnosis of NWP forecasts, and how can synergies between campaigns be improved?

From observations to models:

- How can observational campaigns help us identify and diagnose problems in models, observation operators, etc.?
- How is NWP development making use of observational campaign data? A lot of data has been collected in past field campaigns - how can we increase the usage of these existing data sets for model development?
- Can we identify concrete examples of model or forecast improvement based on past campaigns?
- How past, ongoing, or future field campaigns can help address the most pressing systematic model errors highlighted by the recent WGNE survey: http://wgne.meteoinfo.ru/wp-content/uploads/2019/02/WGNE_Systematic_Error_Survey_Results_20190211.pdf

- What diagnostic tools can help improve the links between observational campaigns and NWP development? How can these tools be improved?

User voice corner (Thur 11.30-13.00)

- Have you used ECMWF data for planning a campaign in the past, or are you planning to use it in the near future? What is your experience? Are there any obstacles to the use of our data?
- What can ECMWF do to optimize the utility of data and modelling capabilities to support observational campaigns?

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