

THE FIRST JOINT WCRP-WWRP SYMPOSIUM ON DATA ASSIMILATION AND REANALYSIS

Preliminary Programme

Joint WCRP-WWRP Symposium on Data Assimilation and Reanalysis

in collaboration with the ECMWF Annual Seminar 2021

13 - 17 September 2021 (virtual)

organized by



Deutscher Wetterdienst
Wetter und Klima aus einer Hand



co-organized by



Notice

This is the **preliminary** programme for the WCRP-WWRP Symposium on Data Assimilation and Reanalysis to take place in September 2021. The programme is **subject to changes**. A more **detailed programme** with assigned presenters (oral and poster) will become available closer to the event. Notifications on the respective presentation times will be send out to the presenters in mid-August.

Schedule (preliminary)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----------------------|--|--|--|---|-------------|-----------------------------|-------|---------------------------|--------|------------------------|-------------|-----------------------------|--|-------|--------------------------|----------------------------|------------------------|--------------|-------------|----|--|--|--|----|--|--|--|----|--|--|--|
| UTC | 9 | | | | 10 | | | | 11 | | | | 12 | | | | 13 | | | | 14 | | | | 15 | | | | 16 | | | |
| PDT | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | |
| EDT | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | | 10 | | | | 11 | | | | 12 | | | |
| CEST | 11 | | | | 12 | | | | 13 | | | | 14 | | | | 15 | | | | 16 | | | | 17 | | | | 18 | | | |
| JST | 18 | | | | 19 | | | | 20 | | | | 21 | | | | 22 | | | | 23 | | | | 0 | | | | 1 | | | |
| Monday 13 Sep | Welcome addresses | | | | “Ice breaker” Poster session P1-1 | | O1-1A DA applications | Break | O1-2 Coupled DA | | Poster session P1-2 | | O1-3 DA platforms | | Break | O1-4A Coupled DA | | Poster session P1-3 | | | | | | | | | | | | | | |
| | | | | | | | O1-1B Reanalysis eval. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | General DA Reanalysis | | O1-1C Gr.-bas. rem. sen. | | | | General DA Reanalysis | | O1-1-3 | | | O1-4C Satellites | | General DA Reanalysis | | | | | | | | | | | | | | |
| | | | | | | | O1-1-1 | | O1-1-2 | O1-1-4 | | | | | | | | | | | | | | | | | | | | | | |
| Tuesday 14 Sep | | | | | Poster session P2-1 | | O2-1A Operational DA | Break | O2-2 Operational DA | | Poster session P2-2 | | O2-3 Obs. impact | | Break | O2-4A Operational DA | | Poster session P2-3 | | | | | | | | | | | | | | |
| | | | | | | | O2-1B Reanalysis eval. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Observations | Methodology | O2-1C Obs. impact | | | | Observations | Methodology | | | | | O2-4C DA developments | | Observations | Methodology | | | | | | | | | | | | |
| | | | | | | | AS2-2 | | AS2-3 | AS2-4 | | AS2-5 | | | | | | | | | | | | | | | | | | | | |
| Wednesday 15 Sep | | | | | Poster session P3-1 | | O3-1A Atm. composition | Break | O3-2 DA developments | | Poster session P3-2 | | O3-3 Ocean DA | | Break | O3-4A Ocean DA | | Poster session P3-3 | | | | | | | | | | | | | | |
| | | | | | | | O3-1B DA developments | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | General DA | Methodology | O3-1C Gr.-bas. rem. sen. | | | | General DA | Methodology | | | | | O3-4C Non-Gaussian DA | | General DA | Methodology | | | | | | | | | | | | |
| | | | | | | | AS3-2 | | AS3-3 | AS3-4 | | AS3-5 | | | | | | | | | | | | | | | | | | | | |
| Thursday 16 Sep | | | | | Poster session P4-1 | | O4-1A Atm. composition | Break | J4-2 Global reanalysis | | Poster session P4-2 | | O4-3 Regional reanalysis | | Break | O4-4A Innovative obs. | | Poster session P4-3 | | | | | | | | | | | | | | |
| | | | | | | | O4-1B Reg. reanalysis | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Observations | Reanalysis | O4-1C Aeolus | | | | Observations | Reanalysis | | | | | J4-4C Global reanalysis | | Observations | Reanalysis | | | | | | | | | | | | |
| | | | | | | | AS4-2 | | AS4-3 | AS4-4 | | AS4-5 | | | | | | | | | | | | | | | | | | | | |
| Friday 17 Sep | | | | | Poster session P5-1 | | O5-1A Conv. scale DA | Break | O5-2 Deep learning | | Poster session P5-2 | | O5-3 Conv. scale DA | | Break | O5-4A Conv. scale DA | | Poster session P5-3 | | | | | | | | | | | | | | |
| | | | | | | | O5-1B Theoretic. devel. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | General DA | Methodology | O5-1C Reg. reanalysis | | | | General DA | Methodology | | | | | O5-4C Reanalysis Devel. | | General DA | Methodology | | | | | | | | | | | | |
| | | | | | | | AS5-2 | | AS5-3 | AS5-4 | | AS5-5 | AS5-6 | | | | | | | | | | | | | | | | | | | |

Additional information on sessions:

Talks: Oral sessions have either 3 or 4 slots with 15 minutes (12+3) per talk.

Posters: In each poster session on every day, contributions from two major topics will be presented. Each presenter will be given the opportunity to present their poster in all three poster sessions on a specific day (e.g., P2-1, P2-2, P2-3).

General DA

Operational DA
O2-1A, O2-2, O2-4A

Ocean DA
O3-3, O3-4A

DA on the convective scale
O5-1A, O5-3, O5-4A

DA applications
O1-1A

DA platforms
O1-3

Methodology

DA developments
O2-4C, O3-1B, O3-2, O4-4B

Non-Gaussian DA
O3-4C

Hybrid DA
O3-4B

Coupled DA
O1-2, O1-4A

Theoretical developments in DA
O5-1B

Deep Learning in DA
O5-2, O5-4B

Observations

Observation impact
O2-1C, O2-3

Satellites
O1-4C

Ground-based remote sensing
O1-1C, O3-1C

Aeolus
O4-1C

Innovative observations
O4-4A

Reanalysis

Global Reanalysis
J4-2, J4-4C (*joint sessions with ECMWF Annual Seminar*)

Regional Reanalysis
O4-1B, O4-3, O5-1C

Reanalysis developments
O5-4C

Reanalysis evaluation
O1-1B, O1-4B, O2-1B, O2-4B

Technical guidelines

General

The WCRP-WWRP Symposium on Data Assimilation and Reanalysis will be held fully virtual due to the ongoing pandemic situation. In order to let the experience come closer to that of an in-person meeting, we will use the platform gather.town for the symposium (courtesy of ECMWF). The platform is browser-based and works with most of the common browsers and operating systems.

In gather.town, you will create an avatar which you can move around in a virtual conference center. You can visit the posters and access the oral presentations in dedicated rooms. Interactions with other participants will take place when you meet them in the hallways, at the posters or in other areas. Private spaces allow for smaller groups to retreat and have private discussions. We will enable the access to the platform before the meeting to allow the participants to get accustomed to it. Further information on gather.town will follow via email before the symposium takes place.

Oral presentations

We plan to use “Zoom” for the oral presentations. Thus, presenters can use common file formats (e.g., PDF, Powerpoint) to give their talk.

The oral slots will be 15 minutes with 12 minutes for the presentation and 3 minutes for discussion. If you use all 15 minutes for your presentation, the discussion will be skipped.

We suggest to use a 16:9 or 16:10 ratio for the presentation as this better fits the majority of screens.

Poster presentations

We will upload the posters to the platform **during the week prior** to the symposium. Thus, posters must be provided **before September 6**. Details on this process will follow via email.

All posters will be accessible for the audience during the whole symposium.

Posters should be provided as PDFs as they will be converted for the integration into the symposium platform. Posters have to be in **landscape format**. You should use similar settings as for a printed posters (e.g., A0 format) such that your PDF has a high quality.