

RDA Europe spring school on weather, climate and air quality

The RDA Interest Group on weather, climate and air quality, RDA Europe and BSC are organising a 2-day Spring School this May 25 to 26, in Barcelona.



This activity aims to get familiar with general RDA good practices on data management and manipulation in the field of Earth (weather, climate and air quality) sciences, and linking between scientific and industrial use of this kind of data.

Lessons will consist in a mix of lectures and hands-on session.

The industry and the public sector are encouraged to participate and send some of their young practitioners. 4-5 students or young engineers will be selected by the programme committee to have their expenses (travel+accommodation) covered.

Recommended prerequisites are:

- Basic linux-unix
- Weather/Climate/Air Quality data and tools (nco, cdo, netcdf, ...)

Agenda

Wednesday afternoon	ice-breaker buffet
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Thursday

09:30 - 09:45	Introduction by BSC
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09:45 - 10:30	Session 1: Dealing with dynamic and real-time datasets, PIDs by Sandro Fiore - CMCC Euro-mediterranean Center on Climate Change
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10:30 - 10:45	Break
10:45 - 12:30	Session 2: EO data and Copernicus by Pierre-Philippe Mathieu - ESA European Space Agency
12:30 - 13:30	Lunch
13:30 - 15:15	Session 3: Metadata definitions, governance, automated tools to generate the metadata by Antonio Cofiño - University of Cantabria
15:15 - 15:30	Break
15:30 - 17:15	Session 4: Experiment and model/instrument documentation, CIM by Mark Greenslade - IPSL Pierre Simon-Laplace Institute

Friday

09:00 - 10:30	Session 5a: Volume growth of the data, cost of data traffic and examples to make a more efficient use (Stephan Kindermann - DKRZ German Climate Computing Centre)
10:30 - 10:45	Break
10:45 - 12:30	Session 5b: Hands-on session
12:30 - 13:30	Lunch
13:30 - 15:00	Session 6a: Bringing the compute to the data (data close to HPC), data analytics, cost models for the computing time required by David Carrera - BSC Barcelona Supercomputing Center
15:00 - 15:15	Break
15:15 - 17:00	Session 6b: Hands-on session

Location

Barcelona Supercomputing Center, c/ Jordi Girona 31, Capella Building, “Severo Ochoa” room Barcelona

Committees:

Programme committee: Francisco Doblas-Reyes, Fabrizio Gagliardi, Peter Wittenburg,

Local committee: Francesco Benincasa, Pierre-Antoine Bretonnière, Francisco Doblas-Reyes, Fabrizio Gagliardi

Further information

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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