

## [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**

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| <b>Wednesday<br/>afternoon</b> | ice-breaker buffet |
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### **Thursday**

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| 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   |
| <b>Friday</b> |  |
| 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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