

RDA Europe spring school on weather, climate and air quality
25-26 May 2017
Barcelona Supercomputing Center

At the end of May 2017, the Barcelona Supercomputing Center (BSC), organized a 2 days school¹² within RDA Europe about weather, climate and air quality, linked with the activities of the corresponding interest group³.

The objectives of this event were to gather researchers, engineers and representatives from the industry to promote RDA policies and make them familiar with data management issues related to the Earth Sciences. The invitations underlined the importance of the participation of partners from the industrial world and private companies.

The lessons consisted in a mix of lectures and hands-on session and the course was organised in four modules provided in English.

The course counted 21 attendants from 4 countries from which 20% were from the industry/private sector.

Presentations and material from the hands-on session have been made available through the BSC page of the event.

School agenda:

Thursday:

09:30 - 09:45 Introduction (BSC)

9:45 - 10:30 Session 1: Dealing with dynamic and real-time datasets, PIDs (Sandro Fiore - CMCC Euro-mediterranean Center on Climate Change)

10:30 - 10:45 Break

10:45 - 12:30 Session 2: Introduction to data analysis tools for atmospheric sciences model outputs (Francesco Benincasa - Barcelona Supercomputing Center BSC)

12:30 - 13:30 Lunch

13:30 - 15:15 Session 3: Metadata definitions, governance, automated tools to generate the metadata (Antonio Cofiño - University of Cantabria)

15:15 - 15:30 Break

15:30 - 17:15 Session 4: Experiment and model/instrument documentation, CIM (Mark Greenslade - IPSL Pierre Simon-Laplace Institute)

Friday:

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<https://www.rd-alliance.org/rda-europe-spring-school-weather-climate-and-air-quality-25-26-may-2017-barcelona>

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<https://www.bsc.es/education/training/other-training/rda-europe-spring-school-weather-climate-and-air-quality>

³ <https://www.rd-alliance.org/groups/weather-climate-and-air-quality>

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 (David Carrera - BSC Barcelona Supercomputing Center)

15:00 - 15:15 Break

15:15 - 17:00 Session 6b: Hands-on session