The "Doctoral School of Sciences and Innovative Technologies" of the University of Torino is organizing the summer school: "Current Advances in Climate Change". The School will be held at the Villaggio Olimpico di Bardonecchia (www.villaggiobardonecchia.it) on June 16-17, 2016.

The aim of the school is to present our current understanding of the processes involved in climate change and their effects in different fields.

### PROGRAM

**June 16, 2016 - Thursday**

12:30 – 13:30 Lunch *(Restaurant closing time 14.00) – in group or individually*

15:00-15:45 Elisa PALAZZI (ISAC – CNR, Torino)
The mechanisms of climate

15:45-16:30 Giovanni ALOISI (Univeristè Pierre et Marie Curie, Paris)
The global Carbon cycle and Earths’ climate on geological time scales

16:30-16:45 Coffee break

16:45-17:30 Susanna CORTI (ISAC – CNR, Bologna)
On the reliability of multi-year forecasts of climate

17:30-18:15 Barbara D’ANNA (CNRS, IRCELYON, Lyon)
Air Pollution: Sources and Effects

18:15-19:00 Claudia PASQUERO (Università Milano Bicocca)
The role of the ocean in the climate system

19:30 Dinner

**June 17, 2016 - Friday**

9:00-9:45 Francesco LORETO (DISBA-CNR, Roma)
Plant volatiles and climate change

9:45-10:30 Davide VIONE (Università di Torino)
Climate change impacts on water chemistry and (photo) reactivity

10:30-10:45 Coffee break

10:45-11:30 Luigi MARIANI (Università di Milano)
Impact of climate change on agriculture

11:30-12:15 Dan CHAMBERLAIN (Università di Torino)
Climate Change and Biodiversity: Current Impacts and Future Challenges

### ORGANIZING COMMITTEE

- **Guido Boffetta** - Dept. of Physics
- **Fernando Camara Artigas** - Dept. of Earth Sciences
- **Dan Chamberlain** - Dept. of Life Sciences and System Biology
- **Mario Chiesa** - Dept. of Chemistry
- **Aldo Ferrero** - Dept. of Agricultural, Forest and Food Sciences
- **Massimo Maffei** - Dept. of Life Sciences and Systems Biology

**SCIENTIFIC SECRETARY - Roberta Scarzella** - Doctoral School of Sciences and Innovative Technologies