

PERSONAL INFORMATION

Daniele Peano



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EDUCATION AND TRAINING

17/09/2012–15/02/2016

PhD in Science and management of climate change

Ca' Foscari University, Venice (Italy)

PhD - Doctor Europaeus

Thesis title: "Simulation of Greenland mass balance evolution until 2100"

09/2009–12/2011

Master degree in Physics

University of Torino, Torino (Italy)

Master degree (grade: 110/110)

Thesis title: "Dynamical models for Alpine glacier response to climate variability"

09/2006–07/2009

Bachelor degree in Physics

University of Torino, Torino (Italy)

Bachelor degree (grade: 110/110)

Thesis title: "Analysis and development of a prototype software for face recognition in an auto motive environment"

09/2001–07/2006

Scientific diploma

Liceo scientifico Giuseppe Peano, Cuneo (Italy)

high school diploma (grade: 100/100)

national informatics plan (PNI)

WORK EXPERIENCE

16/05/2019–Present

Junior Research Associate

Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Bologna (Italy)

Implementation of the CLM 4.5 land model aiming at producing climate sensitivity simulations.

Business or sector Scientific Research

16/05/2016–15/05/2019

PostDoc

Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Bologna (Italy)

Implementation of the CLM 4.5 land model aiming at producing climate sensitivity simulations.

Business or sector Scientific research

15/09/2015–20/12/2015

Collaborator

Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Bologna (Italy)

Simulation of the temporal and spatial evolution of the Greenland ice sheet runoff until 2100

[Business or sector](#) Scientific research

01/02/2012–31/07/2012

Scholarship

CNR IRPI

strada delle cacce 73, 10135 Torino (Italy)

A minimal model approach for glacier length modeling in the Western Italian Alps

[Business or sector](#) Scientific research

15/04/2009–15/07/2009

Internship

Eurix s.r.l.

via carcano 26, 10153 Torino (Italy)

analysis and development of software

[Business or sector](#) Informatics

ADDITIONAL INFORMATION

Seminars

- 26/02/2016: *Simulation of Greenland mass balance evolution until 2100*. **Daniele Peano**, F. Colleoni and S. Masina. CMCC, Bologna, Italy.
- 12/12/2014: *Modeling Greenland tipping point: surface mass balance and runoff estimates*. **Daniele Peano**, F. Colleoni, N. Kirchner and S. Masina. CMCC, Bologna, Italy.
- 16/04/2014: *Modeling runoff from Greenland and small glaciers contribution to global sea level variations*. **Daniele Peano**, F. Colleoni, S. Masina and N. Kirchner. CMCC, Bologna, Italy.
- 17/02/2014: *Modeling of global sea-level variations from present-day and near-future land-ice runoff contribution*. **Daniele Peano**, F. Colleoni and S. Masina. Stockholm University, Stockholm, Sweden.

Conferences

2019

- *Moisture transport associated to Tropical Cyclones*. **Daniele Peano**, E. Scoccimarro, A. Bellucci, A. Cherchi, A. D'Anca, F. Antonio, S. Fiore, and S. Gualdi. CMIP6 Model Analysis Workshop, [Poster](#).
- *Global variability of simulated and observed vegetation growing season onset and offset*. A. Bombelli, **Daniele Peano**, S. Materia, A. Collalti, A. Alessandri, A. Anav and S. Gualdi. European Geosciences Union (EGU) - General Assembly 2019, [Oral](#).
- *Atmosphere response to heat waves hitting wet and dry soils in the Mediterranean region*. S. Materia, M. Benassi, C. Ardilouze, **Daniele Peano**, P. Ruggieri and S. Gualdi. European Geosciences Union (EGU) - General Assembly 2019, [Oral](#).
- *Moisture transport associated to Tropical Cyclones: North Atlantic and Maritime Continent cases*. **Daniele Peano**, E. Scoccimarro, A. Bellucci, A. Cherchi, A. D'Anca, F. Antonio, S. Fiore and S. Gualdi. European Geosciences Union (EGU) - General Assembly 2019, [Oral](#).
- *Global variability of vegetation season in land surface models*. **Daniele Peano**, and CRESCENDO partners. 24th Annual CESM Workshop, 2019, [Oral](#).

2018

- *Variability of growing season onset/offset in satellite-observation and in Community Land Model version 4.5*. **Daniele Peano**, A. Collalti, S. Materia, A. Alessandri, A. Anav, S. Gualdi. European Geosciences Union (EGU) - General Assembly 2018, [Poster](#).
- *Extratropical transition of Tropical Cyclones: are we able to represent the associate water transport?* E. Scoccimarro, A. Bellucci, P. G. Fogli, **Daniele Peano**, A. D'anca, F. Antonio, S. Fiore, S. Gualdi. European Geosciences Union (EGU) - General Assembly 2018, [Poster](#).

2017

- *The CMCC land model improvement and evaluation as part of CRESCENDO WP1 and WP4*. **Daniele Peano**, A. Collalti, S. Materia, P.G. Fogli, A. Cherchi, T. Lovato, M. Santini, S. Gualdi, S. Masina. CRESCENDO project - General Assembly 2017, [Poster](#).

- *The CMCC contribution to EU CRESCENDO project: preliminary analysis based on CLM 4.5 results.* **Daniele Peano**, A. Collalti, S. Materia, P.G. Fogli, A. Cherchi, T. Lovato, M. Santini, S. Gualsi, S. Masina. 22nd Annual CESM Workshop, 2017, [Oral presentation](#).

2016

- *The CMCC contribution to CRESCENDO WP1: development and improvement of continental biogeochemical processes.* **Daniele Peano**, A. Collalti, S. Materia, P.G. Fogli, A. Cherchi, T. Lovato, L. Caporaso, C. Trotta, M. Santini, S. Gualsi, S. Masina. CRESCENDO project - General Assembly 2016, [Poster](#).

2015

- *Forcing impact on Greenland surface mass balance estimates.* **Daniele Peano**, F. Colleoni, N. Kirchner, A. Quiquet, S. Masina. International Union of Geodesy and Geophysics (IUGG) - General Assembly 2015, [Oral presentation](#).
- *Modelling Greenland ice sheet present-day and near-future runoff contribution.* **Daniele Peano**, F. Colleoni, A. Quiquet, S. Masina. International Union of Geodesy and Geophysics (IUGG) - General Assembly 2015, [Oral presentation](#).

2014

- *Modeling Greenland ice sheet present-day and near-future runoff contribution.* **Daniele Peano**, F. Colleoni, N. Kirchner and S. Masina. European Geosciences Union (EGU) - General Assembly 2014, [Poster](#).

Publications

2019

- *Global Mean Climate and Main Patterns of Variability in the CMCC–CM2 Coupled Model.* Cherchi, A., P. G. Fogli, T. Lovato, **D. Peano**, D. Iovino, S. Gualdi, S. Masina, E. Scoccimarro, S. Materia, A. Bellucci, and A. Navarra, *Journal of Advances in Modeling Earth Systems*, 11, 185–209, 2019, doi:10.1029/2018MS001369.

2017

- *Ice flux evolution in fast flowing areas of the Greenland ice sheet over the 20th and 21st centuries.* **D. Peano**, F. Colleoni, A. Quiquet and S. Masina, *J. Glaciol.*, 1-15, 2017, doi:10.1017/jog.2017.12

2016

- *A minimal model approach for glacier length modeling in the Western Italian Alps.* **D. Peano**, M. Chiarle and J. von Hardenberg, *Geogr. Fis. Dinam. Quat.*, 39(1), 69-82, 2016, doi:10.4461/GFDQ.2016.39.7

2014

- *Glacier dynamics in the Western Italian Alps: a minimal model approach.* **D. Peano**, M. Chiarle, and J. von Hardenberg, *The Cryosphere Discuss.*, 8, 1479-1516, 2014, doi:10.5194/tcd-8-1479-2014.

Summer School

- 10-21 September 2013: *Karthus summer school on Ice Sheets and Glaciers in the Climate System.* Karthus (BZ), Italy.
- 20-28 June, 2012: *Alpine summer school: Climate, Aerosols and the Cryosphere.* Valsavaranche (AO), Italy.

Period abroad

- A 5 months Erasmus experience at Rijksuniversiteit (Groningen, the Netherlands) during the master degree in physics
- A 3 months experience at the Stockholm University (Stockholm, Sweden) during the PhD