



# Adriano Fantini

## Climatologist

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## About me

I am currently a researcher at the International Centre for Theoretical Physics. My areas of expertise are climatology, hydrology and data science; I especially enjoy the technical aspects and challenges of data analysis and of the handling of large climatic simulations in High Performance Computing environments.

I like to get my hands dirty with building, fixing and (often) breaking things. I'm particularly interested in woodworking, electronics, coding and technology. I love climbing, trekking and hiking, and always find refuge in mountaineering when possible.

## Skills



Climate



Floods



Statistics



R



Python



Git



HPC



GIS



Linux

## Languages

Italian



English



## Work

2019–now Visiting scientist Trieste, Italy  
International Centre for Theoretical Physics

## Education

2019 Ph.D. in Earth Science and Fluid Mechanics Trieste, Italy  
*Climate change impact on flood hazard over Italy*  
Cum laude

2015 Master's degree in Physics Trieste, Italy  
*Evaluation of the impact of the high resolution for the Alpine region in a present-day and future scenario simulation with the regional climate model RegCM4*  
110/110 cum laude

2012 Bachelor degree in Physics Trieste, Italy  
*Use of the Arduino microcontroller to carry out measurements in the teaching of Physics in laboratories (in Italian)*  
106/110

## Publications

2019 Climate change impact on flood hazard over Italy UniTS ArTS  
Fantini A. Thesis supervisor: Coppola E.

2018 The European mountain cryosphere: A review of past, current and future issues The Cryosphere  
Beniston M., Farinotti D., Stoffel M., Andreassen L. M., Coppola E., Eckert N., Fantini A. et al.

2016 Assessment of multiple daily precipitation statistics in ERA-Interim driven Med-CORDEX and EURO-CORDEX experiments against high resolution observations Climate Dynamics  
Fantini A., Raffaele F., Torma C., Bacer S., Coppola E., Giorgi F., Ahrens B., Dubois C., Sanchez E., Verdecchia M.

## Conferences and courses

2019 European Geosciences Union General Assembly Poster

2019 Energy Efficiency in HPC – Cineca Course

2019 BSAFE UNDSS–UNESCO Course

2018 9th ICTP Workshop on the Theory and Use of Regional Climate Models Speaker and lab assistant

2018 European Geosciences Union General Assembly Poster

2017 4th Workshop on Water Resources in Developing Countries: Hydroclimate Modeling and Analysis Tools Speaker and lab assistant

2017 10th HyMeX workshop Speaker

2017 European Geosciences Union General Assembly Participant

2016 16th European Meteorological Society Annual Meeting Speaker

2016 8th ICTP Workshop on the Theory and Use of Regional Climate Models Speaker and lab assistant

2016 ICRC-CORDEX 2016 Participant

2016 European Geosciences Union General Assembly Speaker

2015 CLIVAR-ICTP Workshop on Decadal Climate Variability and Predictability Participant

2015 3rd Workshop on Water Resources in Developing Countries: Planning and Management in Face of Hydroclimatological Extremes and Variability Participant

2014 7th ICTP Workshop on the Theory and Use of Regional Climate Models Participant

## Other information

While attending University I have been a freelance English-Italian translator for a renowned technology website.  
During both my Master's and my Ph.D. I have acted as elected student representative in University boards.

I authorise the treatment of my personal data under article 13 of the GDPR (UE regulation 2016/679) exclusively for staff selection and recruiting purposes.