

## CURRICULUM VITAE

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### PERSONAL INFORMATION

Name

**Angela MARINONI**

Contacts

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Nationality

Date of birth

### OCCUPATION FIELD

#### SCIENTIFIC RESEARCH

##### **Atmospheric Composition, Aerosol Properties, Background Conditions, Pollution Transport**

Angela Marinoni is an expert in "near surface" Atmospheric Observations for the study of the atmosphere, air quality and specific climatic hot spots.

In particular, she is an expert in the physical-chemical properties of aerosols and clouds and has always been interested in the study of atmospheric composition in remote environments, especially at high altitudes, but also remote marine environments, strategic environments for i) monitoring the background conditions of the atmosphere and the influence of pollutants on it; ii) determine their trend over time and study the processes that influence their variability; iii) study the interactions between climate and atmospheric environment.

She dealt with the infrastructural upgrading of the Convergence regions, where she coordinated the creation of a network of environmental, profiling and agro-forestry climate observatories.

During his career he has accumulated considerable experience in numerous field measurement campaigns, in the long-term construction and management of Environmental Climatic Observatories, even remotely, and in networking activities in international programs for data quality control, for the management and sharing of data both in near real time and after accurate processes of validation and quality control.

### BIBLIOMETRIC INDEX

ISI Web of Science: 83 publications, citing articles 2054, h-index 31

SCOPUS: 82 documents, cited by 2105 documents, 428 co-authors, h-index 33

Google Scholar: 4284 citations, h-index: 37, i10-index: 67

<http://orcid.org/0000-0002-6580-7126>

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### RESEARCH WORK EXPERIENCES

Period

Position

Main Activities

#### **March 2020 →**

Senior Researcher at Institute of Atmospheric and Climate Sciences – Italian Research Council (Bologna, Italy)

Managing the Italian component of ACTRIS RI structural strengthening, through the MUR project PER\_ACTRIS\_IT

Aerosol measurements (integration of chemical, physical and optical properties) at Monte Cimone (2165 m asl, Appennins - Italy), Capo Granitola (Sicily, coastal station).

Institute	Institute of Atmospheric and Climate Sciences – Italian Research Council (Bologna, Italy)
Period	<b>October 2012 → February 2020</b>
	Researcher at Institute of Atmospheric and Climate Sciences – Italian Research Council (Bologna, Italy)
Main Activities	Responsible for aerosol measurements (integration of chemical, physical and optical properties) at Monte Cimone (2165 m asl, Appennins - Italy) and Nepal Climate Observatory at Pyramid (5079 m asl, Himalaya – Nepal), Capo Granitola (Sicily, remote marine site) stations.
Period	<b>September 2005 - September 2012</b>
Position	Post Doc (Supervisor: Paolo Bonasoni)
Institute	Institute of Atmospheric and Climate Sciences – Italian Research Council (Bologna, Italy)
Main Activities	Long term measurement of chemical, physical and optical properties of atmospheric aerosol at Monte Cimone (2165 m asl, Appennins - Italy), ABC-Pyramid (5079 m asl, Himalaya – Nepal).
Period	<b>November 2004 - August 2005</b>
Position	Visiting Scientist CNRS (French Scientific Research Council) Invitation: Gilles Mailhot
Institute	Laboratoire de Photochimie Moléculaire et Macromoléculaire, Clermont Ferrand University, France.
Main Activities	Coordination of students and technicians in field campaigns and laboratory analyses; data elaboration and interpretation, writing scientific papers and reports. Aerosol-cloud interaction.
Period	<b>2003-2004</b>
Position	Post-Doc (Supervisor: Sergio Zappoli)
Institute	Physic and Inorganic Chemistry Department – Bologna University
Main Activities	Solubility-dependent fractionation of organic matter in different atmospheric phases (aerosol, cloud, snow).

## TEACHING AND SCIENCE DIVULGATION EXPERIENCE

Didactic	80 hours of university <b>teaching</b> at Bachelor preparation courses of: Physical Geography (2003), Urban Meteorology (2004) and Climatology (2004) at Milano-Bicocca University; Environmental Monitoring and Environmental Chemistry at Bologna University (2004-2005). Cloud Chemistry (PhD in Chemistry at University of Milano, 2003). <b>Teaching on the field</b> , in the frame of Geography (Earth Science), Physical Geography (Environmental Science) and Environmental Sciences Field laboratories and in the frame of didactic project “Atmospheric path” (ISAC-CNR): and “Glaciological path to Forni Glacier” (2004-2008) <b>Training of research activity</b> to six bachelor students and two PhD students
Invited Talks	5 <b>scientific seminars</b> for research activity presentation at Research Institution in Italy and France. 8 <b>popular seminars</b> (glaciology, climate change) at public libraries, environmental associations.

## EDUCATION AND TRAINING

Period	2000 – 2003
Title awarded	<b>Environmental Sciences PhD</b> (Supervisor: Paolo Laj)
Thesis Title	“Influence of atmospheric aerosol on chemical and physical processes and its interaction with clouds”
Organisation providing education	University of Milano Bicocca (Italy); the research activity was completely carried out at Laboratoire de Météorologie Physique (Clermont-Ferrand University, France)
Period	2001
Title awarded	<b>MASTER</b> (French Diplôme d'Etude Approfondie) “Climate and Atmospheric Physics and Chemistry”
Thesis Title	“Iron speciation in atmospheric liquid phase at puy de Dôme Atmospheric Station”
Organisation providing education	Blaise Pascal University – Clermont Ferrand

Period	1993 – 1999
Title awarded	<b>Environmental Sciences Bachelor</b> (Supervisor: Giuseppe Orombelli)
Thesis Title	“Chemical composition of fresh snow in Khumbu Valley (Nepal-Himalaya)”
Organisation providing education	Milan University (Italy)
<b>International Schools</b>	<p>20-26 may 2006. Hyttälä, Finland. “Measurements of atmospheric aerosols: aerosol physics, sampling and measurement techniques”. International course in the framework of EUSAAR, ACCENT and CBACCI projects, in cooperation with ILEAPS.</p> <p>4-14 December 2006, Bangkok, Thailand e Hanimaadhoo, Maldives. ABC Training School. UNEP Regional Resource Centre for Asia and the Pacific (RRC.AP) in the framework Atmospheric Brown Clouds project.</p>
<b>PERSONAL SKILLS</b>	
Mother tongue	Italian
Other languages	French (Fluent), English (Good)
Social skills and competences	<ul style="list-style-type: none"> <li>• Good relational skills, team work.</li> <li>• I’m used to share international context (I frequently join international field campaigns for aerosol measurement, international meetings and conferences).</li> <li>• Good communication skills, practise to talk to large audiences (conferences, workshops, teaching) in Italian, English and French.</li> </ul>
Organisational skills and competences	<ul style="list-style-type: none"> <li>• Coordination of students and technicians.</li> <li>• Organisation of field campaigns.</li> <li>• Reporting of European projects.</li> </ul>
Technical skills and competences	<ul style="list-style-type: none"> <li>• Knowledge of major techniques for trace atmospheric substances and aerosol cloud physical and microphysical properties. Aerosol and cloud sampling. Continuous atmospheric measurements (Monte Cimone, Nepal Climate Observatory - Pyramid, Capo Granitola, Puy de Dome). Knowledge of clean room protocols.</li> <li>• Statistical elaboration and interpretation of environmental data set.</li> <li>• Didactic and exposition skills.</li> <li>• Used to work in extreme conditions (field campaigns of several months in Antarctica, Alps, Himalayas.)</li> </ul>
Computer skills	Windows Operational System; (Word, Excel, Power Point, Access, Origin, SigmaPlot, Grapher, Igor).

I allow the use of my personal data in accordance with the Italian law 196/2003.