

PERSONAL INFORMATION

Alessandro Dell'Aquila



 Via Anguillarese 301, 00123 Rome (Italy)

 +390630486870

 alessandro.dellaquila@enea.it

 Skype alessandro.dellaquila

Sex M | Date of birth 23/02/1974 | Nationality Italian

WORK EXPERIENCE

01/04/2009–Present

Researcher permanent staff

ENEA, Rome (Italy)

Researcher in the Laboratory of Climate and Impact modelling of the Department of Sustainability, Models and Technologies for Risks Reduction Division

Production of tailored climate information at regional and local scales based on the stakeholders needs in the framework of Climate Services initiatives at different level (European, national);

Climate change issues communication, education (school, business, TV broadcast, stakeholders meetings, press releases)

Maintenance, improvement and analysis of numerical climate models;

Validation and intercomparison of global and regional climate models by introducing process-oriented diagnostics tools;

Analysis of air-sea and air-land interaction processes and related representation of extreme events (cyclogenesis, heat waves...) in regional and global numerical climate models;

Characterization of large scale atmospheric circulation patterns;

Advanced analysis of hydrological cycle for vulnerable areas (Mediterranean region, Africa);

01/09/2007–31/03/2009

Researcher temporary staff

ENEA, Rome (Italy)

Studies on the Mediterranean and Tropical Atlantic Climate systems

01/09/2003–31/08/2007

Postdoc position

ENEA, Rome (Italy)

Data analysis on atmosphere and ocean dynamics

Implementation of algorithms for the numerical simulation of the climate system

Studies on the global and Mediterranean climate systems

Science communication

01/11/2002–31/08/2003

Assistant Fellow

Physics Department of the University "La Sapienza", Rome (Italy)

Feasibility of observing upper troposphere water vapour by radio-occultation

01/10/2002–31/10/2002

Assistant Fellow

Meteorological Service of Emilia-Romagna, Bologna (Italy)
 Analysis of drought indexes

01/07/2000–31/05/2002

Assistant Fellow

Physics Department of the University “La Sapienza, Rome (Italy)
 Feasibility of observing upper troposphere water vapour by radio-occultation
 Statistic of the Tropopause
 Hydrological cycle in the Mediterranean region

EDUCATION AND TRAINING

01 March 2001–28 February 2004

PhD in Geophysics

EQF level 8

DIPTERIS department, University of Genoa, Genoa (Italy)
 Climate Dynamics

01 Nov 1993–01 Apr 2000

Laurea with distinction in Physics

EQF level 6

University of Rome «La Sapienza», Rome (Italy)
 Environmental Physics

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

10 years experience in communication and divulgation of climate change issues: supervision and preparation of press releases in occasion of high impact climate related events in collaboration with ENEA press office; **organization, as director, of masterclass on climate services in the framework of FP7 EUPORIAS project** ; organization and participation to interviews, videos (e.g. <https://www.youtube.com/watch?v=XDraRXSEZG8>) and stakeholders meetings in the framework of EU-FP7 CLIMRUN project (www.climrun.eu); contributions and presentations about climate change issues in high schools (http://www.educarsiaifuturo.it/seminario_cambiamenticlimatici.html) and business companies; several invitations to educational and information broadcasts for public and private televisions

Organisational / managerial skills

Excellent experience in project management gained in several EU FP6-FP7 projects (CIRCE, AMMA, CLIM-RUN, IMPACT2C, PERSEUS, SPECS) and relevant international collaborations (MIT, ABDUS SALAM ITCP,..). **Scientific PI for ENEA and WP leader in FP7 EUPORIAS project in the WP11 about Vulnerability Assessment Framework (see ANNEX1)**

Director of “First Climate Services Masterclass: Energy, Tourism, Agriculture in a changing climate”, 18-22 May, 2015 (<http://www.euporias.eu/event/masterclass>) and of “Second Climate Services Masterclass: Water, Health and Food Security in a changing climate” (16-20 May, 2016) (<http://www.euporias.eu/event/masterclass2>) in the framework of FP7 EUPORIAS Project

Evaluator for Italian National Research projects (PRIN 2012-2013) and for National Agency for the Evaluation of university and research (ANVUR 2012;); Evaluator for PRIN 2015; Evaluator for ANVUR 2014 (Authorization PROT. ENEA /2016/59561/PER-PDN)

Evaluator for the Invitations to Tender of the Copernicus Atmosphere Monitoring Service (CAMS) and Copernicus Climate Change Service (C3S) and H2020 projects

Evaluator for Belmont Forum Projects

Evaluator for Life+ Projects 2014

Convener of scientific session about “Climate services – Underpinning science” at EGU General Assembly (<http://meetingorganizer.copernicus.org/EGU2017/session/22783>) and convener of the scientific session about “Atmospheric dynamics and predictability” at EMS General Assembly. (<http://meetingorganizer.copernicus.org/EMS2017/session/25540>)

Involved in the coordinated modelling experiment for the Euro-Mediterranean region Med-CORDEX (ENEA Contact point; www.medcordex.eu), in the European Climate Research Alliance (ECRA), and into the European Climate Services Partnership (ECSP) initiatives. At national level, involved in the National Climate Services Network of Italy (NCSNI) and in the National Copernicus User Forum

Member of the Commission for a selection of 28 post doc grants for ENEA agency

Job-related skills

•Production of tailored climate information at regional and local scales based on the stakeholders needs in the framework of Climate Services initiatives;

•Maintenance, improvement and analysis of numerical climate models;

•Validation and intercomparison of global and regional climate models by introducing process-oriented diagnostics tools;

•Analysis of air-sea and air-land interaction processes and related representation of extreme events (cyclogenesis, heat waves...) in regional and global numerical climate models;

•Characterization of large scale atmospheric circulation patterns;

•Advanced analysis of hydrological cycle for critical areas (Mediterranean region, Africa, China);

Computer skills Excellent skill in applications for data visualization, data analysis, and numeric computation (MATLAB, Mathematica, IDL, fortran ,CDO....)
OS UNIX/LINUX/Windows
Good command of Office tools

ADDITIONAL INFORMATION

Author of 38 peer reviewed papers (up to 2016) , more than 50 conference contributions, proceedings, technical reports and scientific papers.

H-index Scopus 2017 : 15 <https://www.scopus.com/authid/detail.uri?authorId=7004950022> ;
(see annex 2 for major details) **Google Scholar 2017 : 19**
<https://scholar.google.it/citations?user=0zModmMAAAAJ&hl=it>) .

Member of WMO Joint CBS/CCI Expert Team on Operational Predictions from Sub-seasonal to Longer-time Scales (ET-OPSLs) (<http://www.wmo.int/pages/prog/wcp/ccl/opace/opace3/ET-OPSLs-3-2.php>)

Reviewer of international peer-review journals (Climate Dynamics, Journal Geophysical Research, Geophysical Research Letters, Atmospheric Science Letters, Journal of Climate, Annales Geophysicae, Climate Research, Scientific Reports of Nature...)