



## Europass Curriculum Vitae

### Personal information

First name/ Surname Claudia Roberta Calidonna  
Address [REDACTED]  
Telephone + [REDACTED]  
Fax(es)  
E-mail Claudiaroberta.calidonna@cnr.it  
Nationality Italian  
Claudia Roberta Calidonna  
Date of birth [REDACTED]  
Gender F

### Work experience

Actual position	Since 2009 – CNR Permanent Researcher at Institute of Climate and Atmospheric Science (ISAC) U.O.S. Lamezia Terme (CZ) Since April 2014 -Head of CNR-ISAC Lamezia Terme UNIT  Complex system modeling and simulation, atmospheric processes, meteorological and climatic parameters monitoring, data analysis and check quality with advanced methods.
25/02/2013 - 30/06/2013	<b>Contract professor Elements of Physics (FIS/01 – 6CFU)</b> University of Study of di Reggio Calabria "Mediterranea" - Lamezia Terme section
1/06/2006- 31/08/2007	<b>Senior Engineer – NEC Italia S.r.L</b> System manager (Silicon Graphic Prism 16 nodi, SX6 8 nodi, sistema NAS 10 Tb) scientific visualization team leader (3D theatre)
04/03/2002 - 31/07/2005	<b>Temporary researcher at CNR-ICIB (Institute of Cybernetics “E. Caianiello”)</b> Multithreading and parallel simulation of natural complex systems with discrete dynamics, System manager (Cray J90, SX6, Silicon Graphic Prism, Workstation 450 Sparc SUn Microsystem)
01/10/2004 - 31/03/2005	<b>Distributed Operating Systems Contract Professor (INF/01 – 4 CFU)</b> UNIVERSITY of Study of Naples “Federico
01/10/2000 - 31/03/2002	<b>Tutor at Operating System Laboratory (INF/01 – 3 CFU),</b> UNIVERSITY of Study of Naples “Federico
01/12/1999 - 31/12/2001	<b>Temporary researcher at CNR-ICIB (Institute of Cybernetics “E. Caianiello”)</b> Multithreading and parallel simulation of natural complex systems with discrete dynamics for natural hazard. System manager (Cray J90, SX6, Silicon Graphic Prism, Workstation 450 Sparc SUn Microsystem)

**Research grant CRAY Italy at CNR-ICIB (Istituto di Cibernetica "E. Caianiello")**

Code optimization on Parallel Architecture NUMA

System manager di sistemi di calcolo (Cray J90, SX6, Workstation 450 Sparc SUn Microsystem)

**Studies and Training**

Europroject Design –VALORE PA –by University of Reggio (60 hours training) – 2017

Project Management (35 Hours training) - 2011

Research Valorization "Come va la Ricerca" ed. 2010, (35 Hours) 2010,

Physics degree – Cibernetics specialization, Università of Naples Federico II

**Personal skills and competences**

Mother tongue(s)

**Italian**

Other language(s)

Self-assessment

European level (\*)

**English****French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
	B2	B2	B2	B2	B2	B2	B2	B2	B2
	A1	A1	A1	A1	A1	A1	A1	A1	A1

(\*) Common European Framework of Reference for Languages

**Social skills and competences**

Excellent communication skills developed by training and during project management and university course teaching

**Organisational skills and competences**She is actually research team leader at ISAC Lamezia Terme UNIT and head of Section  
She is:

- PI Regional GAW-WMO Station Lamezia Terme
- PI Lamezia Terme Site Aeronet (NASA)
- PI Lamezia Terme Site ACTRIS Italia JRU

**Technical skills and competences**

She was Project leader for PON03\_0363 high training network (2012-2015)

She was WP leader IRPWIND (FP7) -WP5 Mobility

She is PI for ISAC Lamezia Terme UNIT of ICOS-PRO-MED PIR0019

She is PI for ISAC Lamezia Terme UNIT of ICOS-PRO-MED CIR0019

**Computer skills and competences**

- Main Operating systems Windows e Linux. Professional system manager for commercial and opensource systems: IRIX, UNICOS, SUSE, OpenSuse, Ubuntu etc.
- Deep knowledge of shell programming and high-level languages (Fortran, C, Lisp, Common Lisp, Prolog, ...)
- High knowledge of environment developing tools Matlab and IDL.

Driving licence

B

**Additional information**

She is author of more than 50 journal and conference paper, here the most important paper of last three years

List any items affected (if none heading 'Not relevant, see instructions')

- Particulate Matter Ionic and Elemental Composition during the Winter Season: A Comparative Study among Rural, Urban and Remote Sites in Southern Italy, Authors: Chianese, Elena; Tirimberio, Giuseppina; Dinoi, Adelaide; ... Riccio, Angelo; Published: Feb 2022 in Atmosphere, DOI: 10.3390/ATMOS13020356
- Impact of the Coronavirus Pandemic Lockdown on Atmospheric Nanoparticle Concentrations in Two Sites of Southern Italy, Authors: Dinoi, Adelaide; Gulli, Daniel; Ammoscato, Ivano; ... Contini, Daniele; Published: Mar 2021 in Atmosphere, DOI: 10.3390/ATMOS12030352
- LLUNPIY Simulations of the 1877 Northward Catastrophic Lahars of Cotopaxi Volcano (Ecuador) for a Contribution to Forecasting the Hazards, Authors: Lupiano, Valeria; Catelan, Paolo; Calidonna, Claudia R.; ... Di Gregorio, Salvatore; Published: Feb 2021 in Geosciences, DOI: 10.3390/GEOSCIENCES11020081
- Study of the Vertical Structure of the Coastal Boundary Layer Integrating Surface Measurements and Ground-Based Remote Sensing, Authors: Lo Feudo, Teresa; Calidonna, Claudia Roberta; Avolio, Elenio; Sempreviva, Anna Maria; Published: Nov 2020 in Sensors, DOI: 10.3390/S20226516
- Donateo, Antonio; Lo Feudo, Teresa; Marinoni, Angela; Dinoi, Adelaide; Avolio, Elenio; Merico, Eva; Calidonna, Claudia Roberta; Contini, Daniele; Bonasoni, Paolo, Long-term observations of aerosol optical properties at three GAW regional sites in the Central Mediterranean  
Published: Sep 2020 in Atmospheric Research, DOI: 10.1016/J.ATMOSRES.2020.104976
- Five Years of Dust Episodes at the Southern Italy GAW Regional Coastal Mediterranean Observatory: Multisensors and Modeling Analysis  
Authors: Calidonna, Claudia Roberta; Avolio, Elenio; Gulli, Daniel; ... Lo Feudo, Teresa; see more  
Published: Apr 2020 in Atmosphere  
DOI: 10.3390/ATMOS11050456
- From examination of natural events to a proposal for risk mitigation of lahars by a cellular-automata methodology: a case study for Vascim valley, Ecuador  
Authors: Lupiano, Valeria; Chidichimo, Francesco; Machado, Guillermo; ... Di Gregorio, Salvatore; Published: Jan 2020 in Natural Hazards and Earth System Sciences  
DOI: 10.5194/NHESS-20-1-2020
- Meteorology and Air Pollution Experiment at the Black Sea Coastal Site Ahtopol-2017  
Authors: Batchvarova, Ekaterina; Calidonna, Claudia; Kolarova, Maria; ... Riccio, Angelo; see more  
Published: 2019 in 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION  
DOI: 10.1063/1.5091259
- Characterization of In Situ Aerosol Optical Properties at Three Observatories in the Central Mediterranean  
Authors: Donateo, Antonio; Lo Feudo, Teresa; Marinoni, Angela; ... Bonasoni, Paolo; see more  
Published: Sep 2018 in Atmosphere  
DOI: 10.3390/ATMOS9100369

□

(solo progetti attualmente attivi)

## Progetti

- 1) Ruolo svolto: Responsabile Scientifico di Progetto  
 Titolo Progetto "AI against Wildfire AI FIRE  
 Ente/Istituzione finanziatrice:  
 REGIONE CALABRIA - Bando LIVING LAB - POR REGIONE CALABRIA FESR/FSE 2014 - 2020  
 Periodo di attività dal 04/11/2021 al 03/05/2022  
 Proposta progettuale in corso
  
- 2) Ruolo svolto: RESPONSABILE SCIENTIFICO DEL PROGETTO di Ricerca Scientifica e Cooperazione – dell'Istituto di Scienze dell'Atmosfera, e del Clima del Consiglio Nazionale delle Ricerche -(CNR ISAC)-  
 Titolo  
 "Potenziamento della Rete di Osservazione ICOS-Italia nel Mediterraneo  
 Ente/Istituzione finanziatrice  
 MUR  
 Periodo di attività dal 01/01/2019 al ancora in corso
  
- 3) RESPONSABILE SCIENTIFICO DEL PROGETTO di Ricerca Scientifica e Cooperazione – dell'Istituto di Scienze dell'Atmosfera, e del Clima del Consiglio Nazionale delle Ricerche -(CNR ISAC)-  
 Titolo  
 "Dallo studio di situazioni meteo e relativi episodi di inquinamento atmosferico in aree costiere in Italia e Bulgaria verso analisi di data a lungo termine"- CUP B81G19000020005 (Accordo di cooperazione scientifica CNR-BAS (Bulgarian Academy of Sciences)  
 Ente/Istituzione finanziatrice  
 CNR  
 Periodo di attività dal 01/01/2019 al ancora in corso
  
- 4) Ruolo svolto RESPONSABILE SCIENTIFICO DEL PROGETTO, per la UO di Lamezia Terme, dell'Istituto di Scienze dell'Atmosfera, e del Clima del Consiglio Nazionale delle Ricerche -(CNR ISAC)—  
 Piano di rafforzamento potenziale umano – PIR\_0019  
 Titolo  
 Potenziamento della Rete di Osservazione ICOS-Italia nel Mediterraneo -Rafforzamento del capitale umano  
 Ente/Istituzione finanziatrice  
 MUR.  
 Periodo di attività dal 01/01/2020 al ancora in corso

## Associations

Italian Project Leader Association, Professional association n. 322 (Ottobre 2013 ) , (Legge n. 4/2013)  
 ACM - Association for Computer Machinery , Member n° 5229888 (April 2009 – April 2019)

## Referee

H2020 Expert  
 MIUR Expert – REPRIZE experts (Scientific Culture Diffusion, Scientific Evaluation, R&D evaluation)  
 Regione Calabria Evaluator

## Personal Data

I authorise the treatment of my personal data reported in the cv as indicated in the *Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali"* and of *GDPR (Regolamento UE 2016/679)*