

PERSONAL INFORMATION

Veronica Maria Casartelli



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 casartelli.veronica@gmail.com; veronica.casartelli@cmcc.it

 Skype vero79skype

Sex F | Date of birth 29/11/1979 | Nationality Italian

Senior scientific manager at the Euro-Mediterranean Centre on Climate Change. Officer (permanent, on leave since January 2023) at the Presidency of the Council of Ministers - National Civil Protection Department.

Environmental engineer (Eng. n.34883, Rome).

Ph.D. in Urban Policies and Urban Planning (Doctoral School in Economic Policy).

Master degree in Geopolitics and Global Conflicts.

Union Civil Protection Mechanism expert.

WORK EXPERIENCE

1 July 2019 – today
[full time since Jan 2023]

Senior scientific manager at Euro-Mediterranean Centre on Climate Change (CMCC)

Risk Assessment and Adaptation Strategies Division (RAAS)

- Research activities: disaster risk management capabilities assessments; risk analysis focused on extreme weather and climate events and related economic impact assessments; vulnerability and social resilience analysis; analysis of disaster risk reduction and climate change adaptation policies and strategies. Main activities/projects:
 - » *Programme for peer reviews in the framework of EU cooperation on civil protection and disaster risk management 2020-2024*, funded by the European Commission (DG ECHO); project lead;
 - » *RescueME - Equitable resilience solutions to strengthen the link between cultural landscapes and communities (01/01/2023 - 30/06/2026)*;
 - » *EUCRA – EU Climate Risk Assessment (2022-2024)*;
 - » *TALANOA WATER - Talanoa Water Dialogue for transformational adaptation to water scarcity under climate change (2021-2025)*;
 - » *MYRIAD-EU - Multi-hazard and systemic framework for enhancing risk-informed management and decision making in the E.U. (2021-2025)*;
 - » *EFLIP- Economic impacts of flood risk in Lombardy and innovative risk mitigation policy (2019-2022, funded by Fondazione Cariplo)*;
 - » *ECF CITIES - Climate risk across Italian cities (03/2021-09/2021)*;
 - » *RECEIPT - REMote Climate Effects and their Impact on European sustainability, Policy and Trade.*
- Participation in the PROFOUND international Full Scale Exercise (Hungary, Sept 2022) as information management expert part of the EUCPT (European Civil protection Team).

1 Dec 2018 – 31 Dec 2022

Permanent officer of the Presidency of the Council of Ministers - National Civil Protection Department, seconded at Civil Protection Directorate of Veneto Region Staff of the Head of Civil Protection and Local Police Directorate; Risk assessment and evaluation Unit

- Representative of Civil Protection Directorate of Veneto Region within the *Expert working group in charge of defining measures to enhance safety conditions of the main levees of Po river*;
- Representative of Civil Protection Directorate of Veneto Region within the *Expert working group in charge of the definition of standard operating procedures to manage the controlled flood plains of Po river. Activity within the Command and control unit of Po river*, aiming at flood risk management;
- Support to preparedness, response and post-emergency activities;
- Representative of Civil Protection Directorate of Veneto Region within the *Expert working group in charge of the definition of the Regional Sustainable Development Strategy.*
- Support to the implementation of the regional Early Warning System for floods.
- Implementation of the Floods Directive in Veneto Region in relation to civil protection activities.

2019-2020

Temporary professor – Master's degree in Emergency Governance University of Verona

Law and economics

- Temporary professor, module *Disaster risk management* within the Master's degree in Emergency Governance.

2 Nov 2005 – 30 Nov 2018
[on leave since Jan 2023]

Presidency of the Council of Ministers - National Civil Protection Department
(*permanent full time officer since 2010, before fixed-term contractor and project contractor*)

Scientific technical activities for risk forecast and prevention Unit

Disaster risk reduction strategies and flood risk management activities at national level:

- Support to the implementation of the Italian National Platform for Disaster Risk Reduction within the Sendai Framework. Member of the *Expert working group in charge to support the Head of the Civil Protection Department in the definition of Disaster Risk Reduction strategies and policies*;
- Technical support to the representative of the Italian Civil Protection Department within the *Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction*, established by the UN General Assembly and aiming at defining a set of indicators for the measurement of progresses in the implementation of the *Sendai Framework for Disaster Risk Reduction 2015–2030* at a global scale;
- Implementation of datasets related to global and national disaster risk reduction indicators in collaboration with the National Statistical Institute (ISTAT) and with the Institutions participating in the National Platform for Disaster Risk Reduction;
- Contributor to the documents *National Risk Assessment* and *Risk management capability assessment (Decision 1313/2013/EU on a Union Civil Protection Mechanism)*;
- Support to the implementation of the Floods Directive (2007/60/CE) in Italy;
- Support to the implementation of the Italian national Early Warning System for floods and landslides;
- On-duty officer at the Nation Center for Forecasting and Monitoring: impact-base forecasting, real-time risk assessment, elaboration of hydro-geological bulletins, elaboration of flood warnings, real time monitoring (hydro-meteorological and remote sensing data);
- Assessment and implementation of standard operating procedures for impact-base forecasts and risk-informed warnings within the framework of the Italian National Early Warning System.

Development of national disaster risk management policies, guidelines and Directives:

- Participation in the development of national policies and guidelines in the following fields: *implementation of the EU Floods Directive, civil contingency/emergency plans, management of dams during flood events, Early Warning System for floods and landslides*;
- National Directive on the transposition of the EU Floods Directive (Dir.2007/60/CE) into the national law;
- Representative of the Civil Protection Department within the Technical Board of the Po River Basin Authority.

Disaster management and international/national exercises:

- Member of the technical emergency coordination unit in several disaster events (floods, droughts, landslides, earthquakes, volcanic eruptions) within the *National on-site operations coordination center* and within the *National emergency room*,
- Development of exercise scenarios in national and international exercises. International exercises: TWIST – tsunami risk (October, 2013), TEREK – seismic risk (November, 2010), MESIMEX – volcanic risk (October, 2006). Member of the ExCon (*Exercise Control*) within Neiflex - flood risk (June 2018) in charge of managing activities related to ERCC, EUCPT, VOSOCC.

Collaboration with relevant United Nations organizations and with the European Commission

- **Sendai Framework:** technical support to the Italian representatives at the Open-ended Intergovernmental Expert Working Group on Indicators and Terminology Relating to Disaster Risk Reduction. Support in defining global and National indicators and related terminology;
- Participation in the **EU Peer Review Programme 2015-2016 as a Peer (expert) - Georgia Thematic review on Risk Assessment and Early Warning System** (Peer Review: governance tool based on one country risk management/civil protection performance examined on an equal basis by expert fellow peers from other countries);
- Italian representative at the **EU Commission expert working group on Risk assessment and mapping for disaster management**;
- Italian representative at the **EU Commission expert working group on Disaster Loss and Damage**. Lecturer at the 7th, 8th, 9th Meeting;
- Participation in the **Union Civil Protection Mechanism's Exchange of Experts Programme**, May 2014. Host organizations: UK Cabinet Office – Civil Contingencies Secretariat and UK Flood Forecasting Centre – Met Office. Main focus of the exchange: early warning system, flood risk assessment, social media for efficient delivery of services;
- Fully trained within the **Union Civil Protection Mechanism Training Programme** – training programme for civil protection and emergency management personnel to enhance prevention, preparedness and disaster response.

Capacity building activities (international environment/field missions):

- Expert mission on flood risk management in Bosnia and Herzegovina (December 2015) – **TAIEX program** (Technical Assistance and Information Exchange instrument managed by the Directorate-

General Neighbourhood and Enlargement negotiations of the European Commission);

- Support as a technical expert nominated by the Italian Civil protection Department in **TAIEX Study Visit on Floods Risk Management and Water Resources** (Israel delegation, Rome 2017) and **TAIEX Study Visit on disaster risk management** (Georgian delegation, Rome 2016);
- Participation in the **IPA FLOODS PROGRAMME** funded by EC - DG ECHO as Technical Expert-Program for prevention, preparedness and response to floods in the Western Balkans and Turkey (2015-2017). In particular in Delivering a capacity building program on approximation to and implementation of the EU Floods Directive.
- Drawing up of the **Training modules to build country-level early warning capacity**, to be jointly developed by the World Food Program (WFP) and the Italian Department of Civil Protection (IDCP). Training module: *Risk assessment and mapping* (January 2013);

Scientific and technical developments:

- Developer of FloodCat (Flood Catalogue): an operational multi-stakeholder on-line platform for recording flood events and associated loss and damages in the framework of the EU Floods Directive;
- Supervisor nominated by the Italian Civil Protection Department in the pilot project with the EU DRMKC Support System (Disaster Risk Management Knowledge Centre Support System): *Development of EU harmonized services for recording flood events and associated damages data accommodating Floods Directive, EU guideline for recording and sharing disaster damage and loss data (DLD) and towards the implementation of Sendai Framework;*
- Participation (end user) in the RASOR Project - *Rapid Analysis and Spatialisation Of Risk*. Lecturer at Understanding Risk Forum 2016 - Focus: *Cascading risk analysis with RASOR in a multi-hazard context.*

Risk awareness campaigns:

- Participation in the preparation and implementation of risk awareness campaign: "I don't take risks" campaign: a campaign at a national level to inform citizens on hazards and good behaviors to assume in case a disaster occurs. Preparation of materials for the campaign website, for the citizens and training of civil protection volunteers
- Support to the drawing up of contents published on the Italian Department of Civil Protection website.

Jan 2005 – Nov 2005

Consultant

BTicino S.p.A., Metalworking company.
Health, safety and environmental Unit.

Main activities and responsibilities:

Risk assessment – Health, Safety and Environment Management sector:

- risk assessment: chemical risk, noise risk, radon risk, explosive atmospheres risk, work-related upper limb musculoskeletal disorders;
- elaboration of the Occupational Health and Safety Management System;
- improvement of the Environmental Management System

July 2005 – Sept 2005

Consultant

Ambiente & Sicurezza S.r.l., Consultant society

Main activities and responsibilities: risk assessment in health and safety sector.

EDUCATION AND TRAINING

2021-2022

Master of science in Geopolitics and Global Security

Università La Sapienza di Roma (Italy)

- Dissertation title "Climate change and conflicts nexus: climate conflicts and their interactions with migrations", Date of achievement: 04/03/2022; mark: 110 summa cum laude.

2005-2008

Ph.D. in Urban Policies and Urban Planning (Doctoral School of Economic Policy)

Università Cattolica del Sacro Cuore di Milano in collaboration with Politecnico di Milano (Italy)

- Dissertation title "Natural hazards management: definition of scenarios for contingency plans", Supervisor: Prof. Maria Cristina Treu; date of achievement: 09/06/2009; mark: very positive.
- Main subjects: Risk Assessment and Risk Management, Urban Planning and Environmental Impact Assessment.

1998-2004

Environmental Engineer

Politecnico di Milano, Milan (Italy).

- Dissertation title: "Flood defence using flood proofing techniques", Supervisor: Prof. Renzo Rosso; date of achievement: 23/07/2004; mark: 92/100.

- Main subjects: hydraulics, hydrology, geotechnics, seismic engineering.

PERSONAL SKILLS

Mother tongue Italian

Other language

Inglese

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
TOEFL				

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Driving licence B

FURTHER INFORMATION

Main lectures

- Lecturer within the **EU UCPM Training Programme - Community Civil Protection Induction Course** (cycles 2017-2022): *Disaster risk management* module.
- Lecturer at the **Master in international cooperation – development/emergencies** (Italian Institute for International Political Studies - ISPI, 2022-2023). *Disaster risk reduction* module.
- Lecturer at the **Introductory Training Course (ITC) for cultural heritage and civil protection experts** on the Union Civil Protection Mechanism within PROMEDHE Project funded by EU DG-ECHO (Cyprus, Nov 2016 – Jan 2017). *Risk management cycle, Mission cycle, The Italian Civil protection system* modules.
- Lecturer at several seminars on Flood risk management and civil protection, Early Warning System in universities.
- Lecturer in several courses addressed to officers and emergency managers working in Regional Centers for forecasting and monitoring and emergency rooms.

Publications

- **Casartelli V**, Mysiak J, (2023). *Union Civil Protection Mechanism - Peer Review Programme for disaster risk management: Wildfire Peer Review Assessment Framework (Wildfire PRAF)*.
- **Casartelli V**, Letizia M. (2021). *Innovative methodologies to review and conduct climate risk assessments in urban contexts. Results and opportunities from the Milan case study*. 9th SISC Annual Conference, online, 22-24 Set 2021 - Book of Abstracts, ISBN: 9788897666172, Società Italiana Scienze per il Clima, September 2021.
- Spano D., Mereu V., Bacciu V., Barbato G., **Casartelli V**, Ellena M., Lamesso E., Ledda A., Marras S., Mercogliano P., Monteleone L., Mysiak J., Padulano R., Raffa M., Ruiiu M.G.G., Serra V., Villani V., 2021. "Analisi del rischio. I cambiamenti climatici in sei città italiane". DOI: 10.25424/cmcc/analisi_del_rischio_2021.
- Mysiak J, **Casartelli V** and Torresan S (2021). *Union Civil Protection Mechanism - Peer Review Programme for disaster risk management: Guidelines*.
- Mysiak J, **Casartelli V** and Torresan S (2021). *Union Civil Protection Mechanism - Peer Review Programme for disaster risk management: Assessment Framework*.
- *Note sulla compilazione del catalogo degli eventi alluvionali mediante la piattaforma FloodCat conforme agli Schema per il reporting della Dir. 2007/60/CE art. 4: Valutazione preliminare del rischio alluvioni*. ISPRA – DPC, Roma, 2018.
- *Note tecniche su alluvioni e servizi idrici integrati. La prevenzione del rischio idraulico: interventi strutturali e non strutturali*. AA.VV., ISBN 9788899879006, Utilitalia, Roma, 2016.
- Peer Review Georgia 2015 - Programme for peer reviews in the framework of EU cooperation on civil protection and disaster risk management 2015-2016. EC, 2016.
- *Manual for Civil Protection Volunteers: I don't take flood risk. (risk awareness campaign)*. Roma, 2014.

EU main courses

EU Training of trainers on evidence for policies (Brussels, Oct 2022). Selected expert by the EC.

EU Courses within the Union Civil Protection Mechanism Training Programme:

- Staff Management Course (Sweden, sett 2017);
- Seminar for Mechanism Expert (Sofia, apr 2017);

UN main courses

- Assessment Mission Course (Cyprus, sett 2015);
- High Level Coordination Course (Germany, nov 2014);
- Operational Management Course (Germany, nov 2013);
- Community Mechanism Induction Course (Italy, gen 2012).

UN courses:

- UNDRR-UN Institute for Training and Research: *Making Cities Resilient: developing local disaster risk reduction and resilience strategies* (November-April 2021);
- UNDSS courses – United nations Department of Safety and Security: *Basic security in the field II* (January 2017);
- UNDSS courses – United nations Department of Safety and Security: *Advance Security in the field* (January 2017).

Venice, 28/08/2023

Veronica Maria Casartelli