



Marta Ellena

Nationality: Italian | **Phone number:** (+39) 3482717958 (Mobile) | **Email address:**

marta.ellena@cmcc.it | **Website:** <https://www.cmcc.it/it/people/ellena-marta> |

LinkedIn: <https://www.linkedin.com/in/marta-ellena-879301b2/> |

Address: 63 Valprato street, 10155, Turin, Italy (Work)

WORK EXPERIENCE

01/07/2019 – CURRENT Venice, Italy

NEGOTIATING SUPPORT CONSULTANT AT RISK ASSESSMENT AND ADAPTATION STRATEGIES (RAAS), FONDAZIONE CMCC JAROSLAW MISIAK

Activities aimed at research and development on adaptation to climate change in the context of the actions planned for the international negotiations of the United Nations Framework Convention on Climate Change (UNFCCC). Continuous support to the Ministry of the Environment and Energy Security (MASE).

31/12/2018 – CURRENT Turin, Italy

RESEARCHER AND POST-DOC AT REGIONAL MODELS AND GEO-HYDROLOGICAL IMPACTS (REMHI), FONDAZIONE CMCC PAOLA MERCOGLIANO

- Research and development of studies aimed at assessing the risks of climate change impacts in relation to different socio-economic systems, with a specific focus on heat waves, health and social inequalities in the urban contexts;
- Research and development of studies aimed at prioritize adaptation to climate change at the national, regional and local scale;
- Co-design approaches for the involvement of key-stakeholder into climate change adaptation processes;
- Creation of contributes for the Climate-ADAPT health section and the European Climate and Health Observatory.

01/11/2019 – 31/12/2020 Milan, Italy

JOURNALISTIC COLLABORATOR ON CLIMATE CHANGE ISSUES, LE NIUS FABIO COLOMBO

10/2018 – 05/2019 Venice, Italy

RESEARCH CONSULTANT: EVALUATION OF DIRECT AND INDIRECT FLOOD LOSSES, VIU UNIVERSITY CARLO GIUPPONI

Bibliographic research, data analyses and literature review drafting on the assessment of direct and indirect financial damages deriving from floods, as part of the project "Methodology of quantification of indirect financial losses from natural disasters" commissioned by the World Bank Group".

04/2018 – 11/2018 Lakatamia, Cyprus

CLIMATE-KIC PIONEERS INTO PRACTICE CLIMATE-KIC

Workshop formation: Modena (IT)

International Placement: Lakatamia (CY)- LIFE UrbanProof project [European Commission]

30/11/2015 – 06/2018 Rome, Italy

ITALIAN CLIMATE NETWORK MEMBER, TURIN COORDINATOR AND OFFICIAL DELEGATE TO CLIMATE CONFERENCES ITALIAN CLIMATE NETWORK

I started my experience as a delegate member at the Conference of the Parties in Paris (COP21) in 2015. From that moment I became an official delegate to the climate conferences. My tasks are to communicate through articles and reports the information related to new climate negotiations and side events. From

2016 I have been selected as the Turin section coordinator, and this has given me the opportunity to strengthen my skills in the organizational and social communication fields.

30/11/2016 – CURRENT Turin, Italy

URBAN CLIMATE CHANGE ADAPTATION SUPPORT CONSULTANT, MUNICIPALITY OF TURIN
PIERO PELLIZZARO (CLIMALIA)

My responsibilities include research, events organization, policy formulation and drafting of topical papers and reports on urban adaptation and resilience. I am also the intermediary assistant between public and private external stakeholders, facilitating related networking events. The objective is to develop the urban adaptation strategy for the City of Turin, considering also the industrial districts with the aim to define a starting point in order to address extreme local events related to climate change.

02/08/2015 – 19/11/2015 Bonn, Germany

**UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE INTERNSHIP,
ADAPTATION PROGRAMME** OLGA PILIFISOVA

Through this experience I gained a deeper understanding of the international climate change policies and the negotiations through Parties. It was a multicultural environment that amplified my knowledge about climate change adaptation worldwide. I interned at the Adaptation Committee, and my tasks involved research, meetings and expert workshops organization, qualitative and quantitative analyses connected to the Intended National Determined Contributions and, finally, social network communication.

● **EDUCATION AND TRAINING**

01/09/2017 – 10/06/2022 Venezia, Italy

**PHD IN SCIENCE AND MANAGEMENT OF CLIMATE CHANGE. THESIS ON “EXTREME
TEMPERATURES IN URBAN AREAS”. FOCUS ON SOCIAL INEQUALITIES AND THE BUILT
ENVIRONMENT** Ca’ Foscari University of Venice

Website <https://www.unive.it/pag/7859/>

08/2017 – 07/2018 Venezia, Italy

MASTER OF RESEARCH IN IMPACTS AND MANAGEMENT OF CLIMATE CHANGE Ca’ Foscari
University of Venice

02/04/2017 – 03/04/2017 Bonn, Germany

**RECONCILING ADAPTATION, MITIGATION AND SUSTAINABLE DEVELOPMENT FOR CITIES -
RAMSES TRAINING** European Union

The RAMSES project aim is to deliver quantified evidence of the impacts of climate change and the costs and benefits of a wide range of adaptation measures, focusing on cities. During the training event, I learned how to use methodologies, assessments and frameworks to evaluate climate risks and adaptation options to support urban areas and local communities. In particular, there was a focus on issues related to hazard such as heat waves and floods on urban scales.

14/12/2016 – 17/12/2016 Rovereto, Italy

SCHOOL ON RESILIENT CITIES

The aim of the course is to raise the citizen awareness in order to design the cities of today and tomorrow. During the training we were presented case studies and related tools to increase the responsiveness of the socio-economic system to multiple crises in local communities. It was an intensive course that taught me a lot in regards to policy design for resilience, financial instruments and policy legacies, and finally urban planning and infrastructure resilience policies.

08/2013 – 12/09/2016 Turin, Italy

MASTER'S DEGREE IN ENVIRONMENTAL ECONOMICS AND POLICIES (EACT) University of Turin
(UniTO)

I graduated with a master's thesis on climate change urban risk assessment and adaptation strategies, related to Heat Waves in Turin (Italy). This Master gave me the opportunity to strengthen my potential in economics in connection with the environment. During the first year I followed several quantitative

courses, such as Environmental Economics, Asset Management and Natural Resources, and Applied Mathematic & Statistic. Then, in the second year, I had several specialization courses as Climate Change: policies and instruments, and Geographic Information System (GIS).

Level in EQF EQF level 7

07/2014 – 12/2014 Oslo, Norway

MSC. IN ENVIRONMENTAL, RESOURCE AND DEVELOPMENT ECONOMICS, ERASMUS+
University of Oslo (UiO)

During the Erasmus+ I focused on three main exams: Resource Economics, Microeconomics and Game Theory, and the Politics of Poverty. During my studies in Norway, via conferences and personal readings, I expanded my knowledge in relation to climate change and adaptation. This experience allowed me to find an internship suitable to my interests, and to become familiar with the Anglo-Saxon academic methods.

Level in EQF EQF level 7

08/2009 – 04/2013 Turin, Italy

BACHELOR'S DEGREE IN BUSINESS ADMINISTRATION University of Turin

During the three year of the bachelor's degree program I attended courses related to Economics and Management, Marketing, Microeconomics and Macroeconomics, Statistic, Mathematics, Accounting, Planning and Control, Corporate organization, and Private, Public, and Commercial Law. This allowed me to create a solid economic approach as a starting point to deepen my studies in environmental economics.

Level in EQF EQF level 6

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SPANISH	B2	B2	B1	B1	A2
GERMAN	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **ADDITIONAL INFORMATION**

PUBLICATIONS

[**Urban Heat Island effect and social vulnerability in Turin: Prioritizing climate change mitigation action with an equity perspective**](#)

– 2023

Melis, G., Di Gangi, E., Ellena, M., Zengarini, N., Ricciardi, G., Mercogliano, P., & Costa, G. (2023). Urban Heat Island effect and social vulnerability in Turin: Prioritizing climate change mitigation action with an equity perspective. *Science Talks*, 100258.

[**From CFD to GIS: a methodology to implement urban microclimate georeferenced databases**](#) – 2023

Trane, M., Ricciardi, G., Scalas, M., & Ellena, M. (2023). From CFD to GIS: a methodology to implement urban microclimate georeferenced databases. *TECHNE-Journal of Technology for Architecture and Environment*, (25), 124-133

Climate-Risk Assessment Framework for Airports under Extreme Precipitation Events: Application to Selected Italian Case Studies

– 2023

De Vivo, C., Barbato, G., Ellena, M., Capozzi, V., Budillon, G., & Mercogliano, P. (2023). Climate-Risk Assessment Framework for Airports under Extreme Precipitation Events: Application to Selected Italian Case Studies. *Sustainability*, 15(9), 7300.

Application of climate risk assessment framework for selected Italian airports: A focus on extreme temperature events

– 2023

De Vivo, Carmela, et al. "Application of climate risk assessment framework for selected Italian airports: A focus on extreme temperature events." *Climate Services* 30 (2023): 100390

Micro-scale UHI risk assessment on the heat-health nexus within cities by looking at socio-economic factors and built environment characteristics: The Turin case study (Italy)

– 2023

Ellena, M., Melis, G., Zengarini, N., DiGangi, E., Ricciardi, G., Mercogliano, P., & Costa, G. (2023). Micro-scale UHI risk assessment on the heat-health nexus within cities by looking at socio-economic factors and built environment characteristics: The Turin case study (Italy). *Urban Climate*, 49, 101514.

Climate change adaptation cycle for pilot projects development in small municipalities: The northwestern Italian regions case study

– 2023

Ricciardi, G., Ellena, M., Barbato, G., Giugliano, G., Schiano, P., Leporati, S.,... & Mercogliano, P. (2023). Climate change adaptation cycle for pilot projects development in small municipalities: The northwestern Italian regions case study. *City and Environment Interactions*, 17, 100097.

Spatio-Temporal Pattern and Meteo-Climatic Determinants of Visceral Leishmaniasis in Italy – 2022

Spatio-Temporal Pattern and Meteo-Climatic Determinants of Visceral Leishmaniasis in Italy Moirano, G., Ellena, M., Mercogliano, P., Ricciardi, L., & Maule, M. (2022). Spatio-Temporal Pattern and Meteo-Climatic Determinants of Visceral Leishmaniasis in Italy. *Tropical Medicine and Infectious Disease*, 7(11), 337.

Evolution of temperature-attributable mortality trends looking at social inequalities: An observational case study of urban maladaptation to cold and heat

– 2022

Ellena, M., Ballester, J., Costa, G., & Achebak, H. (2022). Evolution of temperature-attributable mortality trends looking at social inequalities: An observational case study of urban maladaptation to cold and heat. *Environmental Research*, 214, 114082.

Mountain tourism facing climate change. Assessing risks and opportunities in the Italian Alps – 2022

Pede, E.C., Barbato, G., Buffa, A., Ellena, M., Mercogliano, P., Ricciardi, G., & Staricco, L. (2022). "Mountain tourism facing climate change. Assessing risks and opportunities in the Italian Alps". *TeMA-Journal of Land Use, Mobility and Environment*, 15(1)

Cambiamenti climatici, infrastrutture e mobilità – 2022

Accetturo, A. et al. (2022) "Cambiamenti climatici, infrastrutture e mobilità". Ministero delle infrastrutture e della mobilità sostenibile (MIMS)

G20 Climate Risk Atlas. Impacts, policy and economics in the G20 – 2021

Spano, D., et al. (2021). "G20 Climate Risk Atlas. Impacts, policy and economics in the G20".

Analisi del rischio. I cambiamenti climatici in sei città italiane – 2021

Spano, D., Mereu, V., Bacciu, V., Barbato, G., Buonocore, M., Casartelli, V., Ellena, M., Lamesso, E., Ledda, A., Marras, S., Mercogliano, P., Monteleone, L., Mysiak, J., Padulano, R., Raffa, M., Ruiu, M.G.G., Serra, V., Villani, V. (2021). "Analisi del rischio. I cambiamenti climatici in sei città italiane".

Risk assessment framework for Mediterranean airports: a focus on extreme temperatures and precipitations and sea level rise

– 2021

De Vivo, C., Ellena, M., Capozzi, V., Budillon, G., & Mercogliano, P. (2021). Risk assessment framework for Mediterranean airports: a focus on extreme temperatures and precipitations and sea level rise. *Natural Hazards*, 1-20.

SNRN Poster Abstract Award (Europe) (2021) – 2021

SNRN Poster Abstract Award (Europe) (2021). International Society for Environmental Epidemiology (ISEE) Conference, Temporal variation in temperature-mortality associations in Turin, Italy: a case of urban maladaptation to heat and cold

Social inequalities in heat-attributable mortality in the city of Turin, northwest of Italy: a time series analysis from 1982 to2018.

– 2020

Ellena, M., Ballester, J., Mercogliano, P., Ferracin, E., Barbato, G., Costa, G., & Ingole, V.(2020). Social inequalities in heat-attributable mortality in the city of Turin, northwest of Italy: a time series analysis from 1982 to2018. *Environmental Health*, 19(1), 1-14

The heat-health nexus in the urban context: A systematic literature review exploring the socio-economic vulnerabilities and built environment characteristics

– 2020

Ellena, M., Breil, M., & Soriani, S. (2020). The heat-health nexus in the urban context: A systematic literature review exploring the socio-economic vulnerabilities and built environment characteristics. *Urban Climate*, 34, 100676

SNRN Poster Abstract Award (Europe) (2020) – 2020

SNRN Poster Abstract Award (Europe) (2020). International Society for Environmental Epidemiology (ISEE) Conference, Social inequalities in heat-attributable mortality in the city of Turin, northwest of Italy: a time series analysisfrom 1982 to 2018

Past and future hydrogeological risk assessment under climate change conditions over urban settlements and infrastructure systems: the case of a sub-regional area of Piedmont, Italy

– 2020

Ellena, M., Ricciardi, G., Barbato, G., Buffa,A,Villani, V. & Mercogliano, P. (2020). Past and future hydrogeological risk assessment under climate change conditions over urban settlements and infrastructure systems: the case of a sub-regional area of Piedmont, Italy. *Natural Hazards*, 102(1), 275-305
