

PERSONAL INFORMATION

Beatrice Sambo



Sex Female | Date of birth 14/01/1995 | Nationality Italian

WORK EXPERIENCE

From March 2020- ongoing

Affiliated Junior Researcher

CMCC@CaFoscari, Building Porta dell'Innovazione, Via della Libertà, 12 - 30175 Venezia Marghera

Analysis of resilience on coastal areas:

- Development and application of MCDA approaches for resilience analysis;
- Application of climate change risk assessment methodologies;
- Analysis of multi hazard scenarios related with climate change impacts on the Metropolitan city of Venice and its lagoon.

From April 2020- ongoing

Research Fellow

CMCC@CaFoscari, Building Porta dell'Innovazione, Via della Libertà, 12 - 30175 Venezia Marghera

Development of hazard indicators for the characterization of extreme events which could potentially affected the metropolitan city of Venice and its lagoon under climate change scenarios within the project Venezia2021.

EDUCATION AND TRAINING

From 18/09/2017 to 09/03/2020

Master's degree in Environmental Science- Curriculum Global Environmental Change

EQF 7

Ca' Foscari University of Venice- Scientific Campus Via Torino- Via Torino 155, 30170 Venice-Mestre, Italy

Climate change causes and effects on global environment; analysis of climate policies; statistical analysis with R programme; analysis of risk, resilience and impacts of climate changes. Collection, manipulation and elaboration of environmental and climate data.

Master thesis: "Building the resilience of coastal systems to extreme events: the case of the Metropolitan City of Venice and its lagoon". Grade: 110/110 with honours

Supervisor: Prof Andrea Critto

Main Activities:

- Review of climate extreme indicators for the analysis and characterization of climate-related extreme events in the Metropolitan city of Venice and its lagoon;
- Development and application of a scenario-based MCDA methodology for building the resilience to climate-related extreme events in coastal areas;
- Application of a Climate Change Risk Assessment methodology for the analysis of climate change impacts on coastal zone;
- Development of hazard, vulnerability and risk maps for the evaluation of climate extreme events risk by means of GIS-based tools;
- Elicitation of stakeholders' needs and perspectives by means of individual questionnaires and group works.

From 09/09/2018 to 02/02/2019

**Erasmus Program**

Antwerp University, Universiteitsplein 1, Antwerp 2610, Belgium  
 Global change physiology; use of R statistical programme for climate data analysis;  
 Ecosystem terrestrial functioning; Conservation and society, climate policies, natural  
 parks, environmental protection.

From 14/09/2014 to 04/11/2017

**Bachelor’s degree in Environmental Science**

EQF 6

Ca’ Foscari University of Venice- Scientific Campus Via Torino- Via Torino 155, 30170 Venice-Mestre, Italy  
 Environmental chemistry, environmental law, ISO / EMAS, environmental management systems, planning,  
 environmental ecology, biology, microbiology, organic and inorganic chemistry, ecology, environmental  
 communication.

Bachelor thesis: “Determination of biologically active organic compounds in atmospheric aerosol”. Grade 93/110

Supervisor: Prof. Andrea Gambaro

Main activities:

- Analytical chemistry;
- Aerosol sampling campaign (winter 2016-2017);
- Samples preparation in clean room;
- Development of the methodology.

**PERSONAL SKILLS**

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	C1	C1	B2

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

IELTS CERTIFICATE: 6.5 overall- Listening 6.0- Speaking 7.0- Reading 7.0- Writing 6.5

Communication skills

- Good communication abilities gained through my university experience and internship.
- Competent use of scientific language and references systems.

Organisational / managerial skills

- Good relational attitude gained through university’s years, during the jobs as waitress, baby-sitter and secretary and during my trainee at the CMCC@CaFoscari.
- Good team working attitude acquired during several laboratories I attended during university’s years where I had to work in pair or group and during a field-laboratory in Falcade (BL) where I had to work for a week in a group with other 7 people. Good event organization and management skills gained during my scout master’s years and during my trainee and period of thesis at CMCC@CaFoscari where I participated in the organization of a workshop with local stakeholders.
- Good problem-solving capacities fostered during my scout master experience and my secretary’s job.
- Competence in writing reports gained through university experience (laboratory’s reports, final thesis).
- incompetence in public involvement approaches and techniques (i.e. organization and management of focus groups, semi-structured interviews) acquired during the organization of a workshop within the BRIDGE project.

## Computer skills

- Mac OS X and Windows
- Microsoft Office Programs (Word, Excel, Power Point)
- Safari and Google
- Mendeley
- Social networks (Facebook, Instagram, Twitter)
- R statistic program: competent knowledge acquired during university courses
- DEcision support SYstem for COastal climate change impact assessment (DESYCO): basic knowledge gained through a university course
- Basic knowledge of Geographic Information Systems (ArcInfo, ArcGis)

## Driving licence B

## ADDITIONAL INFORMATION

## Abstracts and conference proceedings

- Marta Bonato, **Beatrice Sambo**, Anna Sperotto, Silvia Torresan, Andrea Critto, James H. Lambert, Igor Linkov, Elisa Furlan, Antonio Marcomini. A scenario-informed methodology to assess the resilience of coastal systems to natural disaster: the case study of the Venice Lagoon (Italy). EUROLAG9 20-24 January 2020, Venice
- Anna Sperotto, Marta Bonato, Silvia Torresan, Andrea Critto, James H. Lambert, Igor Linkov, Antonio Marcomini, **Beatrice Sambo**. Assessing resilience of coastal systems to natural disasters: a scenario-informed methodology for the case study of Venice (Italy). SRA 8-12 December 2019 - Arlington, Virginia.

## Peer-reviewed papers

- Marta Bonato, Anna Sperotto, **Beatrice Sambo**, James H. Lambert, Igor Linkov, Andrea Critto, Silvia Torresan, Antonio Marcomini. "Building the resilience of coastal systems to climate-related disasters: the case study of the Metropolitan City of Venice". *In preparation*
- Bonato, M., Sperotto A., **Sambo, B.**, Critto A., Torresan, S., Marcomini, A. "A risk index for the assessment of multiple climate-related threats in the Metropolitan city of Venice". *In preparation*

## Collaborative research projects

**BRIDGE**, Building the resilience of society to natural disasters: improved methodologies and solutions for Italy and US, focusing on the provision of tools to assess resilience of coastal communities to natural disasters.

- Development and application of a scenario-informed MCDA (Multi Criteria Decision Analysis) for the resilience analysis;
- Analysis of climate-related extreme events impact on the Metropolitan city of Venice and its lagoon;
- Participation in the organization of the workshop "Building the Resilience of the Metropolitan City of Venice and its Lagoon to Disasters";
- Stakeholders' involvement through telephone interviews, work groups during the workshop and individual questionnaires.

**Venezia2021**, Research programme for a "regulated" Lagoon, aimed at providing the state of the art of available knowledge on risk and vulnerabilities of the Venice Lagoon to global changes.

- Analysis of climate change scenarios and impacts, in particular related to the case study area of the Metropolitan City of Venice and its lagoon;
- Risk analysis of climate-related extreme events with spatial identification of the areas more impacted;
- Analysis of climate indicators characterizing weather related extreme events.

## Participation in workshop and training courses

**VeUMEU – Venice Universities' Model European Union 5/7-05-2017**

- Role of Latvia president in European Council;
- Legislative procedure on two topics: Equal treatment and Renewable energy sources.

**"How to write a magazine"** held by Donna Moderna 26/28-11-2019

- Team working;
- Organization of ideas and projects.

Venezia, 08/04/2020