

# Mattia Amadio

## Climate scientist and disaster risk expert

I am an environmental scientist with 10 years of experience in the field of climate hazards and disaster risk management. I have been involved in academic research projects globally, working with highly-ranked international institutions. In 2010 I was awarded a PhD in *Science and Management of Climate Change* from the Ca' Foscari University of Venice. Since 2012 I work as consultant for the World Bank's GFDRR. My expertise covers GIS analytics and mapping, impact modelling, and development of geodata tools. I am a science enthusiast with a sceptical attitude.



✉ mattia.amadio@gmail.com

☎ +39 3488441401

📍 Venice, Italy

🌐 bit.ly/disasterologist

## WORK EXPERIENCE

### Short-term consultant GFDRR, World Bank

11/2018 – Present

Washington DC (US)

- Data and process management for ThinkHazard! and GFDRR GeoNode
- Risk Data Library design and development
- Support for disaster risk assessment in regional projects
- GIS data management and analytics
- Climate indicators for DRR

Contact: Pierre Chrzanowski

### Researcher Euro-Mediterranean Centre on Climate Change (CMCC)

Research foundation on climate change

03/2012 – 12/2020

Venice (IT)

- Climate-KIC project SAFERPLACES, flash-flood hazard from extreme precipitations and risk mitigation in European cities (2 years)
- ECHO project SAVEMEDCOASTS, assessment of economic costs linked sea level rise along the Mediterranean coasts (1 year)
- H2020 project CLARA, climate forecast enabled knowledge services (3 years)
- ECHO project CHAKE OU, flood risk mapping in Paraguay (8 months)
- National Climate Change Adaptation Plan (PNACC) for Italy (2 years)

Contact: Jaroslav Mysiak

## SKILLS

GIS

Spatial analytics

Map Design

Python

Disaster risk assessment

Geodata management

## LANGUAGES

English

Full Professional Proficiency

Italian

Native Proficiency

## PUBLICATIONS

Journal article

07/2021

### Cost-benefit analysis of coastal flood defence measures in the North Adriatic Sea

M. Amadio, A.H. Essenfelder, S. Bagli, S. Marzi et al.

*Natural Hazards and Earth System Sciences*

Cost-benefit analysis of coastal flood defence infrastructures in Italy considering the effects of climate change.

Study report

2021

### Investment in Disaster Risk Management in Europe makes economic sense

GFDRR, IOM

*The World Bank*

Reporting for DG-ECHO on Cost-Benefit analysis of existing DRM projects in the EU.

Study report

09/2021

### Disasters, Conflict, and Displacement: Intersectional Risks in South Sudan

GFDRR, ECA

*The World Bank*

Part one: analytic mapping of intersectional risks for South Sudan based on existing data and assessments related to natural hazards and conflict and fragility.

Journal article

03/2019

### Testing empirical and synthetic flood damage models: the case of Italy

M. Amadio, A.R. Scorzini, F. Carisi, A.H. Essenfelder et al.

*Natural Hazards and Earth System Sciences*

Study to evaluate the predictive performance of existing flood damage models in comparison with empirical losses.

## EDUCATION

### PhD in Science and Management of Climate Change Ca' Foscari University

09/2015 - 12/2018

Venice (IT)

- Thesis title: *Integrated Framework for Flood Risk Assessment in Italy*. The thesis consists of four articles published on academic journals.