

# Mattia Amadio

## Climate and disaster risk specialist

I am an environmental scientist with 10 years of experience in the field of climate-affected hazards and disaster risk management. I have been involved in academic research projects over multiple countries, 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 geo-analytics and mapping, impact modelling and climate change. I am a science enthusiast with a skeptical attitude.



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📍 Venice, Italy

🌐 [bit.ly/disasterologist](https://bit.ly/disasterologist)

## WORK EXPERIENCE

### Short-term consultant

#### GFDRR, World Bank

2018 – Present

Washington DC (US)

- Climate and Disaster risk analytics (CDDR)
- Geodata review and management (ThinkHazard!; GFDRR GeoNode; Risk Data Library)
- Risk Data Library design and development
- Support to DRR projects

Contact: Pierre Chrzanowski

#### Asian Development Bank

2021 – Present

Manila (PH)

- Development of Climate and Disaster Risk screening and assessment tool

Contact: Charles A. Rodgers; Belinda Hewitt

### Academic researcher

#### Euro-Mediterranean Centre on Climate Change

Research foundation on climate change

2012 – 2020

Venice (IT)

- Climate-KIC project SAFERPLACES, flash-flood hazard from extreme precipitations and risk mitigation in European cities (2 years)
- 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

Spanish

Elementary Proficiency

## LATEST PUBLICATIONS

12/2021

Journal article

### 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.

2021

Study report

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

GFDRR, ECA

*The World Bank*

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

09/2021

Study report

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

GFDRR, IOM

*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.

03/2019

Journal article

### 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.