

Mattia Amadio

Climate and disaster risk specialist

Climate risk scientist with 10 years of experience in the field of hydrometeorological hazards and disaster risk management. I have been involved in academic research projects over multiple countries, working with many 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 2018 I am part of the World Bank's GFDRR. My expertise covers geo-analytics and mapping, impact modelling and climate change. I am a science enthusiast with a pragmatic attitude.



✉ mattia.amadio@gmail.com

☎ +39 3488441401

📍 Venice, Italy

🌐 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 – 2023

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.