



## Personal information

First name(s) / Surname(s)	<b>Soheil Mohammadi</b>
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Nationality	Iranian
Date of birth	22/03/1992
Gender	Male

## Work experience

Dates	04/10/2024 – Current
Occupation or position held	Climate Resilience Researcher
Main activities and responsibilities	Research activities within the HE projects Myriad and ARCADIA, as well as the PEERS project, financed by DG ECHO
Name and address of employer	CMCC Foundation – Centro Euro Mediterraneo sui Cambiamenti Climatici, Venezia Mestre, Italy
Type of business or sector	Research centre
Dates	02/2021 – 08/2021
Occupation or position held	Risk Management Trainee
Main activities and responsibilities	<ul style="list-style-type: none"> <li>Conducted work within the framework of the PPRD East 3 project (the 3rd phase of the EU-funded program “Prevention, Preparedness, and Response to natural and man-made disasters in Eastern Partnership countries”)</li> <li>Collected and analyzed quantitative and qualitative data on Early Warning Systems (EWS) in Eastern Partnership countries</li> <li>Evaluated potential interactions between pandemics and natural hazards in the context of disaster risk management.</li> <li>Developing multi-hazard risk assessment capabilities of the EWS section for the CIMA Foundation's EWS Assessment Tool</li> <li>Recommended policies for enhancing the EWS Assessment Tool to improve its effectiveness in disaster risk management</li> </ul>
Name and address of employer	CIMA Research Foundation, Savona, Italy
Type of business or sector	Research foundation
Dates	03/2019 – 08/2019
Occupation or position held	Consultant Engineer
Main activities and responsibilities	<p>Developing the regeneration plan for two disadvantaged neighbourhoods in Nahavand and Famenin cities in Iran</p> <ul style="list-style-type: none"> <li>Collected and analyzed quantitative data to inform the planning process</li> <li>Created thematic maps to visualize key urban issues and opportunities</li> <li>Designed and conducted semi-structured interviews with local stakeholders</li> <li>Provided policy recommendations for the regeneration and sustainable development of these neighborhoods</li> </ul>
Name and address of employer	Pishgaman Consulting Engineers, Hamedan, Iran
Type of business or sector	Engineering consulting firm
Dates	09/2018 – 02/2019
Occupation or position held	Community Engagement Facilitator

Main activities and responsibilities	<p>Facilitator in a participatory urban planning and regeneration project in an informal settlement in a marginal area of Hamedan, Iran (National project).</p> <ul style="list-style-type: none"> <li>Engaged local residents and stakeholders to gather input and foster community involvement in the planning process</li> <li>Organized workshops and focus group discussions to identify community needs and priorities</li> <li>Collaborated with urban planners and local authorities to develop inclusive regeneration strategies</li> <li>Monitored and evaluated project outcomes to assess the effectiveness of community engagement efforts</li> <li>Contributed to the documentation and reporting of project progress to stakeholders and funding agencies</li> </ul>
Name and address of employer	Sharestan Consultants (Architects, Engineers & Planners), Hamedan, Iran
Type of business or sector	Engineering consulting firm
Dates	10/2016 – 09/2018
Occupation or position held	Construction Engineer
Main activities and responsibilities	<p>Served as Construction Project Engineer for rural development projects aimed at enhancing regional resilience</p> <ul style="list-style-type: none"> <li>Supervised land use change initiatives, ensuring compliance with development plans for rural areas</li> <li>Assessed and approved development plans provided for rural areas</li> <li>Oversaw the implementation of construction projects, including the paving and asphaltting of roads in rural areas</li> <li>Supervised recovery and reconstruction efforts in disaster-affected areas, specifically in the rural regions impacted by the Sarpol Zahab earthquake</li> <li>Monitored project progress and ensured adherence to safety and quality standards throughout construction activities</li> <li>Collaborated with local authorities and community stakeholders to ensure project alignment with regional needs and priorities</li> </ul>
Name and address of employer	Housing Foundation of I.R. Iran
Type of business or sector	Governmental foundation
<b>Education and training</b>	
Dates	09/2021 – present
Title of qualification	PhD in Security, Risk, and Vulnerability
Principal subjects	Risk and Resilience Engineering for the Natural Industrialized and Built environments. Thesis on "A resilience-based methodology for the multi-risk recovery of urban settlements to be implemented in sustainable planning and management tools"
Name and type of organisation providing education and training	University of Genova, Genoa, Italy
Level in national or international classification	PhD
Dates	09/2019 – 08/2021
Title of qualification awarded	Master Degree in Engineering for Natural Risk Management
Principal subjects	<ul style="list-style-type: none"> <li>models of the phenomena that characterize natural hazards (hydrology, meteorology, seismology, etc.)</li> <li>modern and traditional observation systems (satellite remote sensing, radars, sensor networks, etc.)</li> <li>advanced ICT techniques</li> <li>environmental impact of chemicals and energy systems</li> <li>legal framework for natural risk management</li> <li>communication and perception of risks</li> <li>mathematical tools and stochastic modelling</li> </ul>
Name and type of organisation providing education and training	University of Genova, Genoa, Italy

Level in national or international classification MSc.

Dates 09/2010 – 09/2015

Title of qualification awarded Bachelor of Science in Civil Engineering

Name and type of organisation providing education and training Bu-Ali Sina University, Hamedan (Iran)

Level in national or international classification BSc.

## Personal skills and competences

Mother tongue(s) Persian

Other language(s)

Self-assessment

European level (\*)

English

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
	C1		C1		C1		C1		C1
	A2		A1		A2		A2		A1

(\*) [Common European Framework of Reference for Languages](#)

Organisational skills and competences Excellent written and oral communication skills. Ability to manage multiple projects and tasks simultaneously. Excellent in team working and managing.

Computer skills and competences

- Good knowledge of GIS software (ArcGIS, QGIS)
- Knowledge of Python programming language
- Knowledge of participatory planning tools and software include Fuzzy Cognitive Mapping software
- Knowledge of qualitative research analysis software (MAXQDA)
- Good command of office suite (Word, Excel, Power Point, Access)

## Additional information

Teaching experience

- Teacher assistant in the MSc. course MULTI-HAZARD IMPACT AND RISK ASSESSMENT, University of Genoa, 2022 spring semester.
- Tutor of the MSc. in Engineering for Natural Risk Management, University of Genoa, 2023 - 2024

## Annexes

Annex 1: List of publications

Last updated: November 2024

## Annex 1

### PUBLICATIONS

#### Peer reviewed Journals

1. "Review article: current approaches and critical issues in multi-risk recovery planning of urban areas exposed to natural hazards" Soheil Mohammadi, Silvia De Angeli, Giorgio Boni, Francesca Pirlone, Serena Cattari, Natural Hazards and Earth System Science, 2024
2. "EQ-DIRECTION Procedure towards an Improved Urban Seismic Resilience: Application to the Pilot Case Study of Sanremo Municipality" Serena Cattari, Daria Ottonelli, Soheil Mohammadi, Sustainability, 2024
3. "Staying in Crisis: Choice or Coercion a Review of the Reasons of Rural-to-Urban Migrations Due to Environmental Changes in Iranian Villages" Soheil Mohammadi, Mojtaba Khanian - Space and Culture, 2023
4. "Using A Study of the Social Challenges of Urbanization in the Next 30 Years based on Age Transition and Comprehensive Plans for Iranian Cities: The Case of Hamedan City" Arian Behradfar, Rui Alexandre Castanho, Mojtaba Khanian, Soheil Mohammadi, Hamidreza Mohammadi, Ana Loures, Luis Loures, WSEAS Transactions on Environment and Development, 2022

#### Conference Papers

1. "Multi scale urban modelling to improve the recoverability of cities exposed to multiple natural hazards", Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Silvia De Angeli, COMPDYN proceeding 2023

#### Conference Abstracts

2. "Enhancing recoverability of the urban system in a multi-risk environment: A decision-making framework for identifying the minimum urban system" Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Silvia De Angeli, 3rd International Conference Natural Hazards and Risks in a Changing World - Addressing Compound and Multi-Hazard Risk 2024
3. "A participatory planning approach for identifying crucial urban functions and their interdependencies for disaster recovery" Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Ilenia Spadaro, Fabrizio Bruno, Silvia De Angeli, EGU 2024
4. "Ex-ante recognition of the basic minimum urban system to improve the ex-post recovery process" Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Silvia De Angeli, EGU 2023
5. "A participatory approach to define indicators for the recognition of the minimum urban system required to ensure the recoverability of a city exposed to flood and seismic risks" Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Silvia De Angeli, COMPDYN 2023
6. "Assessing multi-hazard risk assessment capabilities of Early Warning Systems considering potential interactions among pandemics and natural hazards", Soheil Mohammadi, Giorgio Boni, Davide Miozzo, Silvia De Angeli, EGU 2022.
7. "A combined flood-seismic resilience-based planning framework to improve the recoverability of urban settlements", Soheil Mohamadi, Serena Cattaria, Giorgio Bonia, Francesca Pirlonea, Silvia De Angeli, 17th Plinius EGU Conference on Mediterranean Risks
8. "Drought risk perception and its effect on water management policies: the case of sinkholes in the Hamedan region, Iran", Soheil Mohammadi, Hamidreza Mohammadi, Silvia De Angeli, Le Giornate dell'Idrologia della Società Idrologica Italiana 2022