



Personal information

First name(s) / Surname(s) **Soheil Mohammadi**
 E-mail Mohamadi.soheil92@gmail.com
 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	<p>Research activities within the HE projects Myriad and RecueME, as well as the Union Civil Protection Mechanism (UCPM) Peer Review Program financed by DG ECHO</p> <ul style="list-style-type: none"> Assisted in facilitating the wildfire thematic peer review in Land Brandenburg and the peer review in Kosovo as part of the UCPM Peer Review program Cycle 2022–2024, 2025-2027. Assisted in designing a new framework and guidelines for the UCPM Peer Review Program Cycle 2025–2027. Supported the storyline development and story map preparation for the Veneto case study in the Myriad project, identifying cross-sectoral risks and proposing disaster risk management pathways. Conducted economic categorization and cost evaluation of climate change adaptation solutions for the cultural heritage landscape within the RescueME project.
Name and address of employer	CMCC Foundation – Centro Euro Mediterraneo sui Cambiamenti Climatici, Venezia Mestre, Italy
Type of business or sector	Research centre
Date	2024-2025 academic year
Occupation or position held	Contract Professor
Main activities and responsibilities	<ul style="list-style-type: none"> Teaching the MSc course Multi-Hazard Impact and Risk Assessment as part of the Engineering for Natural Risk Management program.
Name and address of employer	University of Genoa, Savona Campus, Savona, Italy
Type of business or sector	University
Dates	02/2021 – 08/2021
Occupation or position held	Risk Management Trainee
Main activities and responsibilities	<ul style="list-style-type: none"> 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") Collected and analyzed quantitative and qualitative data on Early Warning Systems (EWS) in Eastern Partnership countries Evaluation of the potential interactions between pandemics and natural hazards in the context of disaster risk management. Developing multi-hazard risk assessment capabilities of the EWS section for the CIMA Foundation's EWS Assessment Tool Provided policy recommendations for enhancing the EWS Assessment Tool to improve its effectiveness in disaster risk management
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"> • Collected and analyzed quantitative and qualitative data to inform the planning process • Created thematic maps to visualize key urban issues and opportunities • Designed and conducted semi-structured interviews with local stakeholders • Provided policy recommendations for the regeneration and sustainable development of the neighborhoods
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"> • Engaging local residents and stakeholders to gather input and foster community involvement in the planning process • Organized several workshops and focus group discussions to identify community needs and priorities • Collaborated with urban planners and local authorities to develop inclusive regeneration strategies • Monitoring and evaluation of the project outcomes to assess the effectiveness of community engagement efforts • Contributed to the documentation and reporting of project progress to stakeholders and funding agencies
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"> • Supervised land use change initiatives, ensuring compliance with development plans for rural areas • Assessed and approved development plans provided for rural areas • Oversaw the implementation of construction projects, including the paving and asphaltting of roads in rural areas • Supervised recovery and reconstruction efforts in disaster-affected areas, specifically in the rural regions impacted by the Sarpol Zahab earthquake • Monitored project progress and ensured adherence to safety and quality standards throughout construction activities • Collaborated with local authorities and community stakeholders to ensure project alignment with regional needs and priorities
Name and address of employer	Housing Foundation of I.R. Iran
Type of business or sector	Governmental foundation
Education and training	
Dates	09/2021 – 07/2025
Title of qualification	PhD in Security, Risk, and Vulnerability

Principal subjects	Curriculum of 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" <ul style="list-style-type: none"> Conducted a critical literature review on multi-risk recovery in urban areas. Developed a three-scale framework to identify critical urban assets for investment, aiming to enhance system resilience under multi-risk conditions. Facilitated participatory planning sessions using various approaches, including Fuzzy Cognitive Mapping, to actively engage stakeholders in recovery planning. Applied network analysis to identify the most important urban areas. Presented research findings at multiple international conferences and community-level festivals to disseminate PhD research outcomes.
Name and type of organisation providing education and training	University of Genova, Genoa, Italy
Level in national or international classification	PhD visiting period (3 months), Technology, policy and management, TU Delft, Delft (Netherlands)
Dates	PhD
Title of qualification awarded	09/2019 – 08/2021
Principal subjects	Master Degree in Engineering for Natural Risk Management <ul style="list-style-type: none"> models of the phenomena that characterize natural hazards (hydrology, meteorology, seismology, etc.) modern and traditional observation systems (satellite remote sensing, radars, sensor networks, etc.) ICT techniques environmental impact of chemicals and energy systems legal framework for natural risk management communication and perception of risks mathematical tools and stochastic modelling
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	
Organisational skills and competences	Excellent written and oral communication skills. Ability to manage multiple projects and tasks simultaneously. Excellent in team working and managing.

(*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu)

Computer skills and competences	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Teacher in the MSc. course MULTI-HAZARD IMPACT AND RISK ASSESSMENT, University of Genoa, 2024 spring semester • 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
Peer reviews	<p>Reviewing papers of for peer review journals include:</p> <ul style="list-style-type: none"> • npj Natural Hazards • International Journal of Disaster Risk Reduction • Space and culture
Annexes	Annex 1: List of publications

Last updated: March 2025

Annex 1

PUBLICATIONS

Peer reviewed Journals (Published)

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

Peer reviewed Journals (under review and in preparation)

5. "Fuzzy Cognitive Mapping to Uncover Vital Urban Functions and Their Interdependencies for Disaster Recovery" Soheil Mohammadi, Silvia De Angeli, Fabrizio Bruno, Ilenia Spadaro, Giorgio Boni, Serena Cattari, and Francesca Pirlone. Under review
6. "MU-DIRECTION Framework for Identifying Important Urban Assets in Multi-Risk Recovery: A Pilot Case Study of Sanremo Municipality." In preparation

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