

PERSONAL INFORMATION **Alfredo Reder**

## PERSONAL EXPERIENCE

October 2018 – ongoing

**Researcher at the Euro-Mediterranean Centre on Climate Change Foundation (CMCC)**

Divisione REMHI (REgional Models and geo-Hydrological Impacts) Division - Viale Thomas Alva Edison s.n.c. 81100 Caserta (CE)

Head of Unit – Urban Risk and Adaptation

Qualification – Scientist

*Permanent position*

Aprile 2015 – Ottobre 2018

**Researcher at the Euro-Mediterranean Centre on Climate Change Foundation (CMCC)**

Divisione REMHI (REgional Models and geo-Hydrological Impacts) Division

*Consultant position*

## EDUCATION AND TRAINING

November 2012 – May 2016

**PhD in Geotechnical Engineering**

EQF 8

University of Naples 'Federico II' - Winner of a scholarship - Final grade: excellent

October 2010 – 18 October 2012

**Master's Degree in Civil, Structural and Geotechnical Engineering**

EQF 7

University of Naples 'Federico II' - Final grade: 110/110 laude

## PERSONAL SKILLS

Native language  
Other LanguagesItalian  
English, FrenchBibliometric Indexes  
*Scopus*

- Number of publications: 43
- Total number of citations: 419
- H-Index: 14

Scientific and professional skills

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (e.g., culture and sports), etc*

- Co-author, Speaker and Invited Speaker at national and international conferences (over 40 communications)
- Speaker at COP28 in Dubai (December 2023) as part of the event entitled "Climate Change and Health, and the Role of Academic Institutions and Future Research Directions".
- Co-supervisor of about 10 university theses and 1 doctoral thesis.
- Co-convener at EGU of a session on "Climate Change and Landslides"
- Guest Editor for the Special Issue "Climate Change and Geotechnical Engineering" on Geosciences MDPI.
- Review Editor in the Editorial Board of Geohazards and Georisks (specialized section of Frontiers in Earth Science).
- Review Editor on the Editorial Board of Sustainable Food Systems (specialized section of Frontiers aligned with the United Nations Sustainable Development Goals).
- Associate Editor for the journal "European Journal of Education"
- Lead Author of the *factsheet* on "*Built Environment*" for the EUCRA (The European Climate Risk Assessment) report
- Co-Author of the report "Impact of climate change on the corrosion of the European

reinforced concrete building stock”, Dimova, S., Polo Lopez, C.S. and Sousa, M.L. editor(s), Publications Office of the European Union, Luxembourg, 2024, doi:10.2760/016004, JRC137288.

### Relevant Roles and Skills

Coordination and administration of people, projects and budgets; in the workplace, in voluntary work (e.g. culture and sport) and at home, etc

- Scientific Coordinator (RS) of the project "Un Filo Naturale" (A community that participates to transform the challenge of climate change into an opportunity) funded by Fondazione Cariplo as part of the *call for proposals* "Climate Strategy" (February 2021 – ongoing; <https://www.cmcc.it/it/articolo/un-filo-naturale-una-comunita-che-partecipa-per-trasformare-la-sfida-del-cambiamento-climatico-in-opportunita>). Co-Author of the Climate Transition Strategy of the city of Brescia ([https://www.comune.brescia.it/servizi/urbancenter/unfilonaturale/Documents/210720\\_U\\_C\\_AT\\_188-RELAZIONE\\_STC\\_BS\\_rev2.pdf](https://www.comune.brescia.it/servizi/urbancenter/unfilonaturale/Documents/210720_U_C_AT_188-RELAZIONE_STC_BS_rev2.pdf))
- Scientific Responsible (RS) of the project "MULTICLIMACT: MULTI-faceted CLIMate adaptation ACTions to improve resilience, preparedness and responsiveness of the built environment against multiple hazards at multiple scales" funded by the EUROPEAN COMMISSION under the *Horizon Europe* programme (October 2023 – ongoing; <https://www.cmcc.it/projects/multiclimact-multi-faceted-climate-adaptation-actions-to-improve-resilience-preparedness-and-responsiveness-of-the-built-environment-against-multiple-hazards-at-multiple-scales> )
- WP5 Work Package Leader within the project "AGORA" (A Gathering place to co-design and co-create Adaptation) funded by the EUROPEAN COMMISSION under the *Horizon Europe* programme (Mission on Adaptation to Climate Change) (January 2023 – ongoing; <https://cordis.europa.eu/project/id/101093921>)
- Task Leader of Task 5.2 within the project "ACQUAOUNT" (Adapting to Climate change by QUantifying optimal Allocation of water resOUrces and socio-ecoNomic inTerlinkages) funded under PRIMA programme (Partnership for Research and Innovation in the Mediterranean Area) (July 2021 – in corso; <https://www.cmcc.it/it/projects/acquaount-adapting-to-climate-change-by-quantifying-optimal-allocation-of-water-resources-and-socio-economic-interlinkages>).
- Task Leader of Task 3.4 within the project "RethinkAction" (CRoss-sEcToral planning decisIoN-maKing platform to foster climate Action) funded by the EUROPEAN COMMISSION under the *Horizon 2020* program (Research and Innovation Framework Programme) (October 2021 – ongoing)
- Task Leader of Task 2.2 within the project "SEBASTIEN" (Smarter livEstock Breeding through Advanced Services Tailoring Innovative and multi-sourcE data to users' Needs) funded by the EUROPEAN COMMISSION under the *Connecting Europe Facility 2014-2020 Telecom Sector* programme (January 2022 – ongoing; <https://www.cmcc.it/it/projects/sebastien-smarter-livestock-breeding-through-advanced-services-tailoring-innovative-and-multi-source-data-to-users-needs>)
- Copernicus Climate Change Service 430 - Sectoral Information System Support to Disaster Risk Reduction (<https://climate.copernicus.eu/pluvial-flood-risk-assessment-urban-areas>). The Contract aims at the development of datasets and applications exploiting the climate products present in the Climate Data Store (CDS) to support Disaster Risk Reduction (DRR) in relation to the risks associated with rain-induced disasters (June 2019 - September 2021). *Role*: One of the main technical resources involved in all phases of the development and implementation of the Contract
- INTACT On the Impact of Extreme Weather on Critical Infrastructures (FP7-security-606799) *Role*: activities on the pilot case of the Campania Region for the estimation of the impacts of landslides on critical infrastructures. To this end, he has been involved in modelling activities of landslide dynamics from inception to propagation, as well as in stakeholder engagement and knowledge co-production assessments
- OPERANDUM OPEN-air laboRatories for Nature baseD solUtions to Manage environmental risks (H2020; Grant Agreement 776848) *Role*: activities on pilot areas (OAL Open Air Laboratories) concerning the stability of slopes in the Austrian Tyrol area and on the banks of the Panaro river. In both cases, the effect of climate change and the potential implementation of Nature Based Solutions are assessed

Law 679/2016 of the Regulation of the European Parliament of 27 April 2016 provides for the need to obtain consent for the processing and

*use of personal data. Therefore, I hereby express my consent to the processing and use of the data provided in this curriculum vitae*

Naples, 16/07/2024