

## PERSONAL INFORMATION

 Flavia Ferriero

 [flavia.ferriero@cmcc.it](mailto:flavia.ferriero@cmcc.it)

[flavia.ferriero-ssm@unina.it](mailto:flavia.ferriero-ssm@unina.it)

## WORKING EXPERIENCE

**16/07/2025 - today.** Research collaboration at Euro-Mediterranean Centre on Climate Change (CMCC Foundation), Institute for Climate Resilience (ICR), Soil and Water Systems (SOWAS) division.

## EDUCATION AND TRAINING

**10/01/2025 - 15/06/2025.** Research collaboration with Norwegian Geotechnical Institute (NGI), Oslo, supervised by Dr Luca Piciullo.

**15/01/2024 - 20/12/2024.** Research collaboration with Istituto di Ricerca per la Protezione Idrogeologica (CNR-IRPI) Perugia, supervised by Dr Fausto Guzzetti and Dr Massimiliano Alvioli.

**1/11/2021 - today.** PhD in “Modeling and Engineering Risk and Complexity” at Scuola Superiore Meridionale, Napoli.

**Thesis:** A full probabilistic approach to landslide forecast.

**Supervisors:** Prof. Warner Marzocchi and Prof. Gianfranco Urciuoli.

**Expected date** of graduation: 31/10/2025.

**15/0G/201G - 22/10/2021.** Master’s Degree in Geology and Applied Geology at University of Naples Federico II, Naples.

**Final Mark:** 110/110 cum laude. Career Mention.

**Thesis** in collaboration with Istituto Nazionale di Geofisica e Vulcanologia (INGV): The sustainable use of lightweight cemented soils: microstructural analyses.

**Supervisors:** Prof. Giacomo Russo and Dr. Lucia Pappalardo.

**15/0G/2016 - 18/07/201G.** Bachelor’s Degree in Geology. University of Naples Federico II, Naples.

**Final Mark:** 110/110 cum laude.

**Thesis:** Reconstruction of the morphology of a pyroclastic horizon of a slope area of the Monte Faito (Castellammare di Stabia, Napoli) through electrical resistivity measurements.

**Supervisors:** Prof. Rosa Di Maio and Prof. Ester Piegari

**2011 - 2016.** High School Scientific Diploma at Liceo Scientifico Enrico Fermi, Aversa (CE).

## EXPERIENCES AND CONFERENCES

**10/12/2025 - 15/12/2025.** Conference participation: EGU General Assembly 2024. Vienna, Austria.  
Oral presentation: Bayesian probabilistic forecasting of rainfall-induced landslides.

Oral presentation: Evaluating the Influence of Urbanization on Slope Stability: A Case Study on Ischia Island. Application of the physically-based model TRIGRS to assess the influence of urbanization on slope stability.

**14/04/2024 - 16/04/2024.** Conference participation: EGU General Assembly 2024. Vienna, Austria. Poster presentation on probabilistic approach to forecast shallow landslides.

**10/12/2023 - 15/12/2023.** Conference participation: AGU American Geophysical Union Fall Meeting 2023. San Francisco, California. Poster presentation on preparation of landslides catalogue and first steps towards a probabilistic approach to forecast landslides.

**25/06/2023 - 30/06/2023.** Participation in the ALERT Workshop and Doctoral School - Machine Learning in Geomechanics. Aussois, France.

**9/10/2023 - 11/10/2023.** Conference participation: CCS Conference on Complex Systems /ITALY 2023 CONFERENCE. Napoli, Italy. Oral presentation.

**3/10/2023 - 6/10/2023.** Conference participation: BeGEO2023 - Sustainability and Risks: BeGeoScientists on the road to the future. Napoli, Italy. Oral presentation.

**3/06/2023 - 8/06/2023.** Conference participation: Dynamics Days Europe. Napoli, Italy.

**24/05/2023 - 25/05/2023.** Online participation at the 2023 Spring School on Transferable Skills. Focus on developing skills in grant and CV writing.

**22/11/2022 - 27/11/2022.** Presentation of a project at the Science Festival Futuro Remoto - Equilibri, Napoli. Title: Restando in equilibrio. Focus on simple experiments to introduce the concept of equilibrium.

**28/08/2022 - 30/08/2022.** Short course MULTISCALE NUMERICAL MODELLING of GEOMATERIALS: Inferring macro behaviour from micro mechanisms. Grenoble, France. 16<sup>th</sup> International Conference of the International Association for Computer Methods and Advances in Geomechanics.

**21/05/2021.** Third ranked at AAPG's Imperial Barrel Award 2021 - Global Final

**26/03/2021.** First ranked at AAPG's Imperial Barrel Award 2021 - Europe Region

**2017-2021.** Assistant at Geotekne s.r.l. Assistance for field tests and data analysis.

**2016 - 2020.** Tutor of private students. Private lessons for high school students.

**2018 - 2019.** Volunteer. Member of the volunteer staff of the sports Association "Napoli Running".

## PERSONAL SKILLS

**Mother tongue(s):** Italian.

**Foreign language(s):** English. Speaking: B2. Writing: B2.

### Computer skills:

- Geographic information system programs: QGIS, Grass GIS, ArcGIS
- Programming Languages: Python, R, MATLAB, Bash
- Physically-based model to assess slope stability: TRIGRS
- Office programs: Word, Excel, Access, PowerPoint

- Software for CT and microscopy image data visualization and analysis: Avizo, PerGeos
- Software for analyzing and modeling geophysics data: RokDoc
- Computer-aided design (CAD) software: AutoCAD

Napoli, 16/07/2025

Le informazioni contenute nel presente Curriculum sono rese sotto la personale responsabilità del sottoscritto ai sensi degli artt. 46 e 47 del D.P.R. n. 445/2000, consapevole della responsabilità penale prevista dall'art. 76 del medesimo D.P.R. per le ipotesi di falsità in atti e dichiarazioni mendaci. Il sottoscritto esprime il proprio consenso, affinché i dati personali forniti possano essere trattati, nel rispetto del Regolamento (UE) 2016/679 (GDPR) come recepito dal D.Lgs n. 101/2018.