



Joint Workshop on **Experimental and numerical modelling approaches to investigate gravity flows**

15-19 September 2025, Italy

We are pleased to announce an event joining two workshops, namely: “Workshop on geophysical flows: from the laboratory to nature” and “Workshop on experimental and numerical modelling approaches to investigate gravity flows”, hosted by Universities of Bari and Calabria (Italy).

The event will bring together the physical and volcanological perspectives on the state-of-the-art open questions and future on laboratory modelling - from experimental to numerical aspects of volcanic gravity-driven particulate flows such as pyroclastic density currents, debris avalanches, block and ash flows, debris flows.

Invited lecturers

P. Dellino (Univ. Bari, Italy), **D. Sarocchi** (UASLP, Mexico), **N. V. Nedumpallile** (British Geol. Survey, UK), **T. Jones** (Lancaster Univ., UK), **F. Tapia** (TU Dresden, Germany), **L. Caballero-Garcia** (UNAM, Mexico), **F. Rocha** (IUSTI, France)

Scientific Program

- Day 1** : PhD day 1 - Presentation by PhD students in talks/posters.
- Day 2** : PhD day 2 - Lectures made by invited and local speakers.
- Day 3** : Workshop between experts and transfer to University of Calabria, CAMILab “Grandi Modelli Idraulici” lab.
- Day 4** : Workshop between experts and PhD students (discussions, experimental demonstrations, ...).
- Day 5** : Departure - Optional transfer to Bari.

Locations

University of Bari

University of Calabria

Organizing Committees

E. Nicotra, G. Capparelli, A. Bougouin (University of Calabria)
F. Dioguardi, R. Sulpizio, P. Dellino (University of Bari)

Participation fee : 30€ (2025 AIV membership, lunches, accomodation at Rende and transfers.

Subscription : On the AIV website (<https://www.aivulc.it>) up to 31 May, 2025.

For further information: eugenio.nicotra@unical.it

This event is carried out within the activities of the following projects:

PRIN-PNRR 2022 project P2022CLRTF “Improving the modeling capabilities of geophysical granular flows through experimental simulations”
European Union Next-GenerationEU (National Recovery and Resilience Plan), Miss. 4, Comp. 2 Inv. 1.3 – D.D. 1243 2/8/2022, PE00000005)

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