

CONTEXT :

Understanding the physics of sediment transport, by bedload or suspension, and its interactions with fluvial and maritime morphology remains a major challenge for researchers and engineers. The development of ever more sophisticated numerical models over the last few decades, backed by an increasingly detailed understanding of hydrosedimentary processes, has opened up great prospects, but has long come up against the great difficulty of accessing data from quality, whether in the laboratory or in the field. However, the miniaturization of tools, the development of indirect measurement methods and remote sensing, software developments, and the ever-increasing performance of batteries and processors, now allow high-precision, continuous, and high-resolution measurement (spatial and temporal). This has given rise to a great deal of work in recent years. It is now possible to access quality data reflecting the great spatial and temporal variability of the environments (nature of the sediments, granulometry, multiphysical interactions, etc.), and the often non-linear response of sediment transport and morphology to the different forcings (hydro-meteorological and anthropogenic) can be approximated.

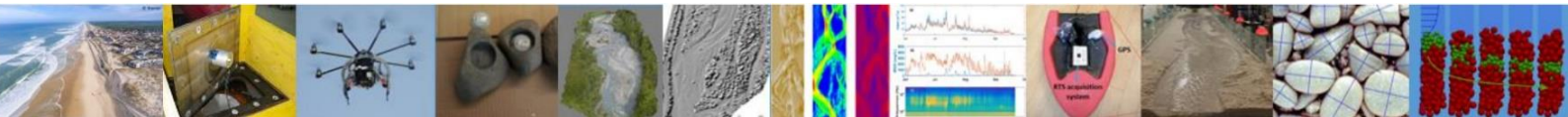
OBJECTIVES :

Ever more inventive initiatives are multiplying in universities, research institutes, design offices and companies. The objective of these days is to give the opportunity to all those who wish to come and present their work and to stimulate exchanges between communities which do not always have the opportunity to meet (industry/research, laboratory/soil , river/sea for Example).

PUBLIC CONCERNED :

Everyone: Researchers, Engineers, Technicians, Managers...





PROVISIONAL PROGRAM:

- About forty oral presentations (15 minutes, presentation + questions)
- About forty posters (with short oral introduction in the room)
- A time for discussion with exhibiting professionals
- Visits (optional) to IGE ([Inrae](#) or Isère station) and [LEGI](#) labs

The final program will be presented later

SESSIONS :

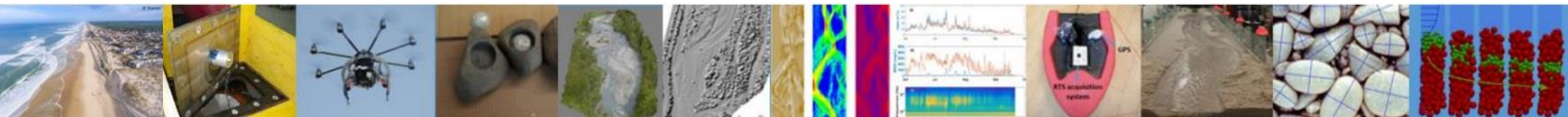
<i>Theme</i>	<i>keywords*</i>
Application and management	Operational tools, case studies...
Watershed production	Monitoring of erosion processes, hydrology,...
Particle transport	Study of bedload and suspension, in the lab or in the field, by direct or indirect methods (optical, acoustic, seismic, etc.), particle tracing methods, etc.
Morphodynamics	UAV, lidar, teledetection, mono/multi-beam, hydro-acoustic, etc. echosounders

** Not exhaustive. Some topics such as numerical modeling, GIS, data management... can find their place in each session*

DATES:

- 15 december :** Call for abstracts
- 15 february :** Abstract submission deadline
- 30 april :** Closing of registrations (at normal rate)
- 15 may :** End of registrations
- 1-2 june :** Conference





SOUMISSION FORMAT:

Abstract 2 pages (see model)

The submission site will be open very soon

INSCRIPTIONS:

Normal Price : 250 € (+100€ after deadline)

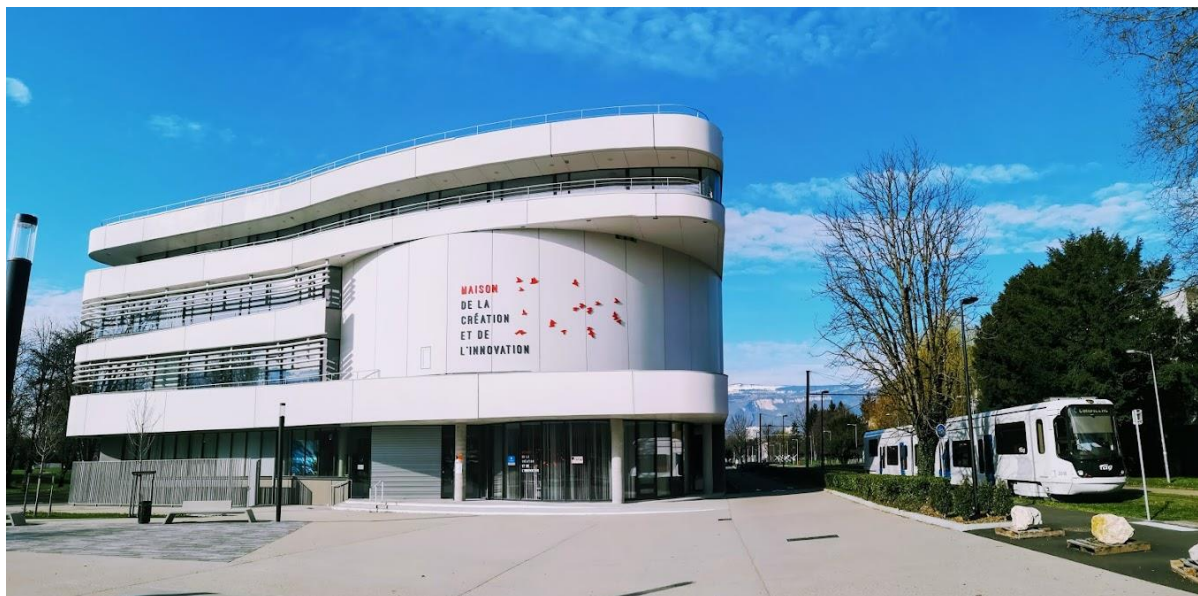
Students : 150€ (+100€ after deadline)

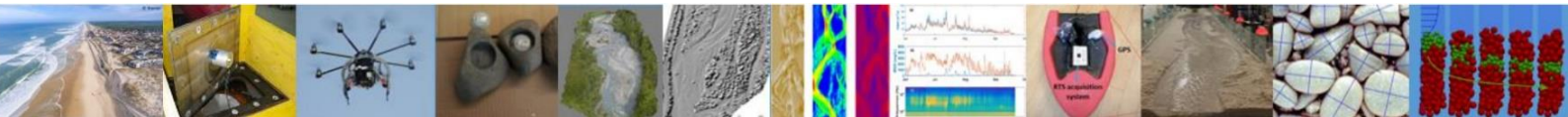
The registration site will be open in march

VENUE :

[La Maison de la création et de l'innovation](#)

Campus Universitaire de Grenoble





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