



Floods Working Group: Cross community workshop on past flood variability June 27-30, 2016

Date: June 27-30, 2016

Venue: Maison des Sciences de l'Homme – Alpes,
1221 avenue Centrale – Domaine Universitaire
38400 Saint Martin d'Hères – France
(for details, see at the end of the document)

Financial support: a limited number of grants (covering travel and accommodation expenses) will be available for young scientists (ECS) or researchers from developing countries (BRICS).

Key-note speakers (confirmed): Rhawn Denniston, Mark G. Macklin, Neil Macdonald, Manfred Mudelsee, Lothar Schulte, Scott St. George

General aims of the workshop:

- i) gather scientists from different archive communities and promote collaboration,
- ii) discuss archive-specific methodological aspects,
- iii) discuss advantages/challenges/limitations of each archive and exchange experiences,
- iv) intensify work on database and,
- v) define and discuss goals, products and timelines for the coming year and the complete first 3-year period of the FWG.

For that purpose, the following sessions and discussion topics are proposed:

Session I: What archives can be used to reconstruct past flood variability?

This session will review and introduce different types of flood archives, with focus on archive-specific advantages, challenges and limitations (e.g. length and temporal resolution of records, reliability of detection of flood events, calibration and reconstruction of flood magnitudes).

Session II: How to develop a multi-archive approach?

This session will discuss approaches developed to overcome archive-specific limitations by combining multiple archives of the same type or different archive types — with the goal to strengthen the robustness of flood reconstructions. This theme also includes monitoring of modern processes and paleo-record calibration via instrumental data.

Session III: How to proceed from paleo-flood data sets to statistical analysis, hydro-climate modelling and flood-hazard assessment?

This session should lead to a concept of how statistical and modeling approaches can be used to reconstruct flood patterns on different temporal (decades to millennia) and spatial scales (regional to continental) and how to identify the responsible climatic forcing. In addition, novel approaches regarding the handling of discontinuous time series, age uncertainties and non-calibrated data sets etc. are highly welcome.

Subjects of group and sub-group discussions indicated here are just propositions that **will be discussed with the FWG community before the workshop.**

Archive-specific group discussions and plenary discussions.

- i) Discuss potential of and interest in archive-specific review papers in the frame of a post-conference special issue.
- ii) Discuss the 'ideal' data format (required fields) for a palaeoflood database

Plenary discussions

- I. Summary of group discussions
- II. How to proceed with the collection of data and the database
- III. Define and discuss goals, products and timelines for the coming year and the complete first 3-year period of the FWG.)

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Conference venue

The workshop will be held in the ‘Maison des Sciences de l’Homme – Alpes’ located on the campus of the University of Grenoble (France).

Maison des Sciences de l’Homme – Alpes,
1221 avenue Centrale – Domaine Universitaire
38400 Saint Martin d’Hères - FRANCE
<https://www.msh-alpes.fr/>

This map locates the ‘Maison des Sciences de l’Homme MSH’ on campus:
<http://www.msh-alpes.fr/fr/localisation-msh-alpes>

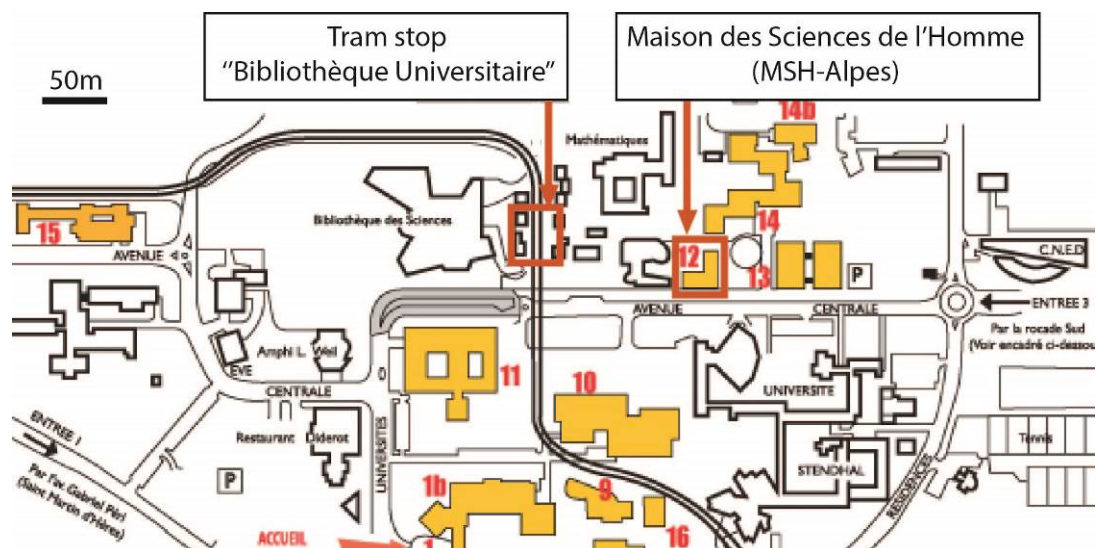


How to reach Grenoble from abroad?

- Airport Lyon: shuttle bus to Grenoble (hourly buses, travel time 1 hour): timetable [here](#)
- Airport Geneva: shuttle bus to Grenoble (6 per day, travel time 2 hours): timetable [here](#)
- Airport Paris: high speed train (TGV) to Grenoble (travel time around 3 hours): [here](#)

How to reach the campus and the ‘Maison des Sciences de l’Homme’ from Grenoble centre?

- **Tram B** from the main railway station (or from the city centre) direction ‘Gières Plaine des Sports’, get out at ‘Bibliothèque universitaire’. Tram every 5 min. Travel time 25-30 minutes from the railway station.
- From the tram station it is 3 minutes by foot to the ‘Maison des Sciences de l’Homme’ (see map below)



Accommodation

The campus is located close to the city centre of Grenoble where hotels are numerous ([here](#)). For your convenience, you may choose among hotels located close to tram B (or tram C).