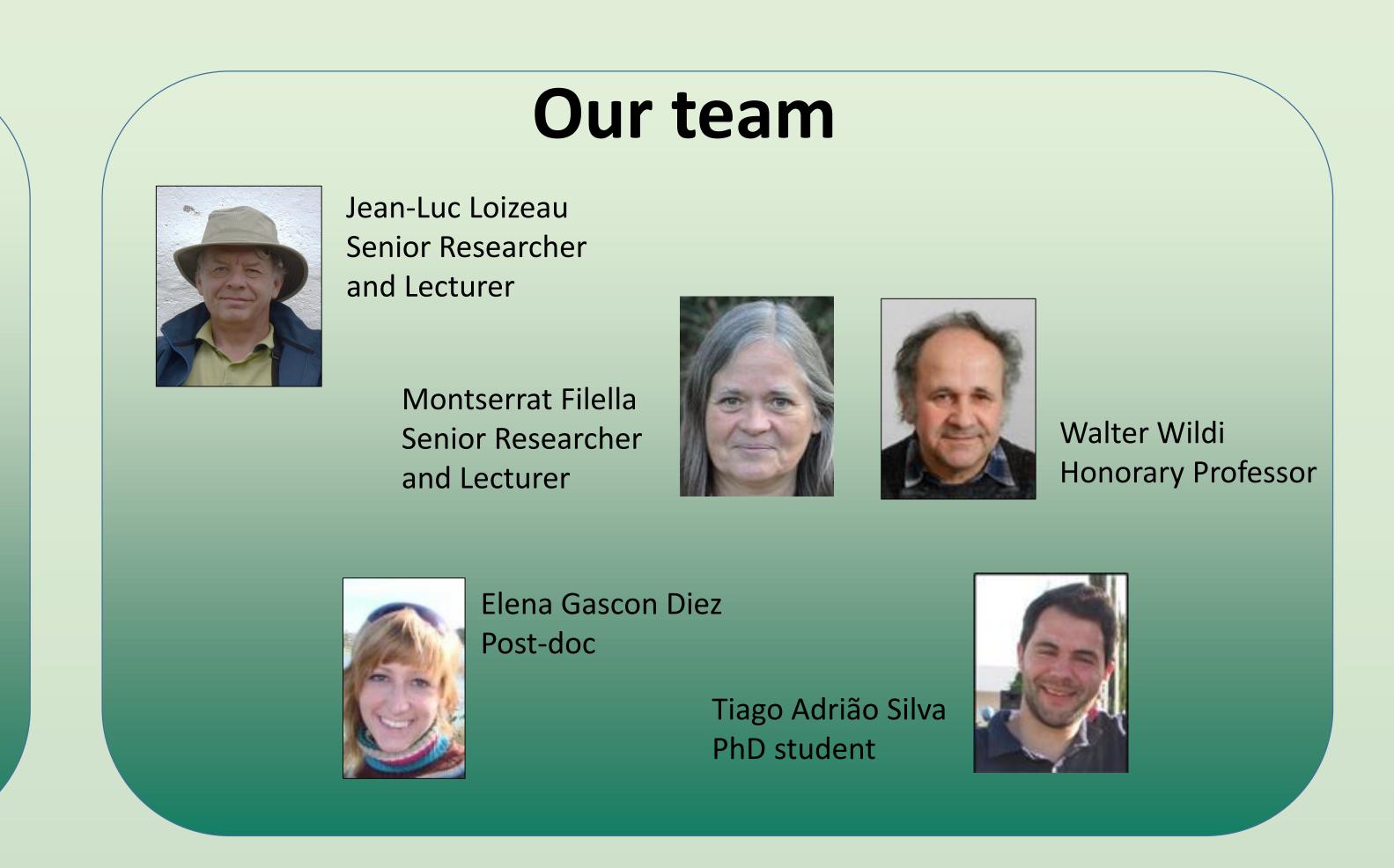
# Limnology and Environmental Geology

**Group leader: Jean-Luc Loizeau** 

#### Our vision and aims

The research activities of the group address issues that lie at the interface between geology, geochemistry and environmental sciences, mainly centered on issues related to aquatic environments and geology of the *Anthropocene*. Any measures to mitigate or remediate adverse anthropogenic activities should be based on a clear understanding of the natural processes. The past helps to understand the present and anticipate the future.

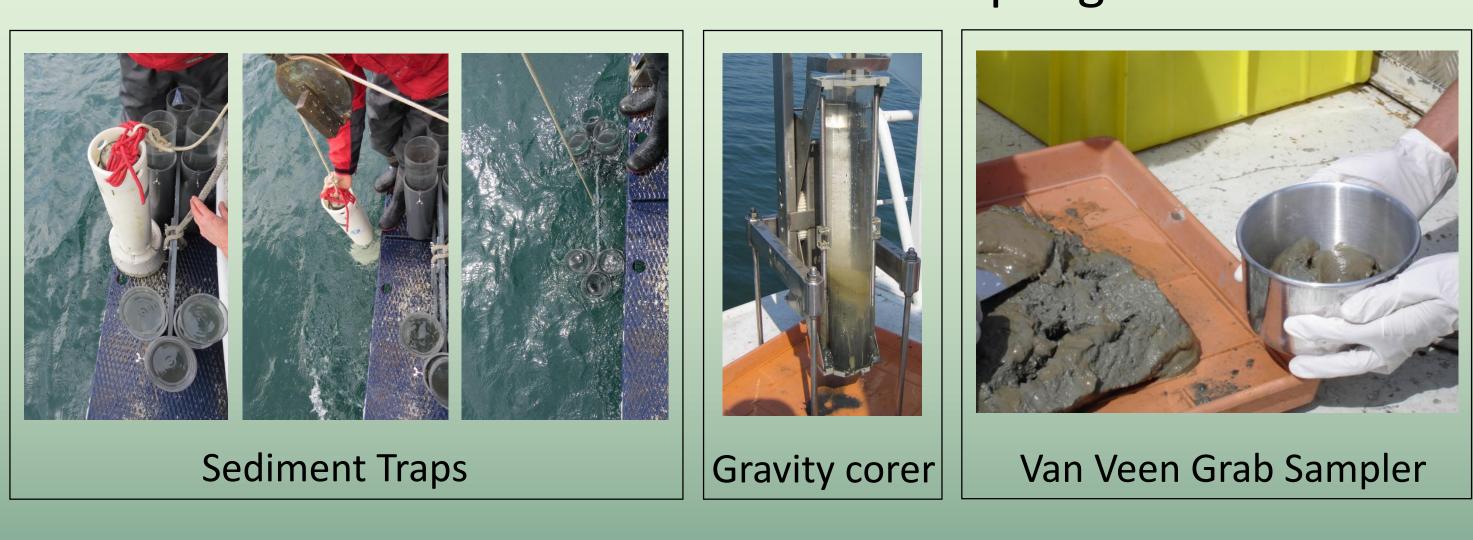


### Approach and main tools

An iterative approach: observation of the environment (*in situ* measurements and sampling), laboratory experiments and analyses; concept developments and modelling; validation (or not) by observation in the environment; ...



#### In situ measurements and sampling

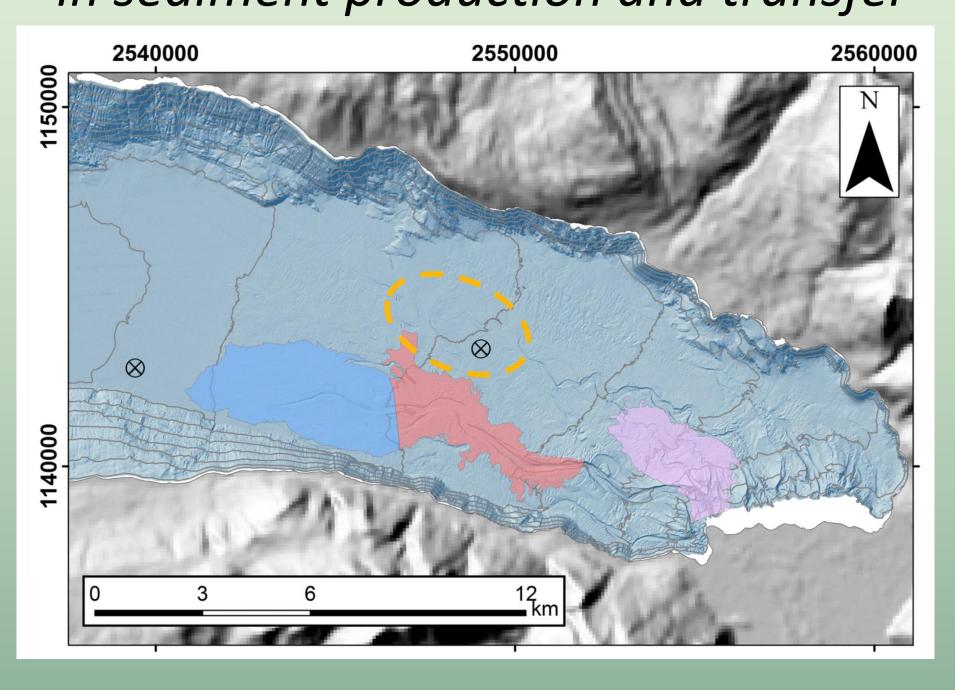




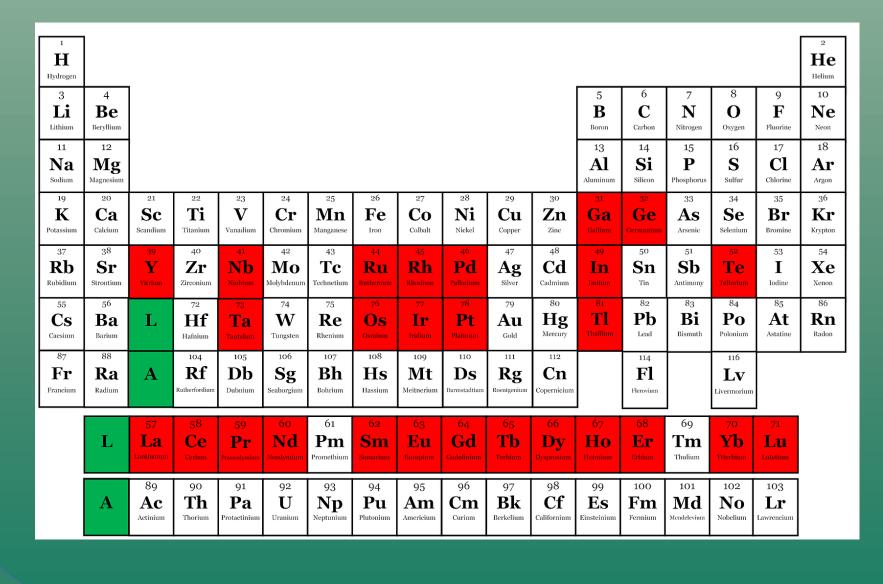


## Major research topics

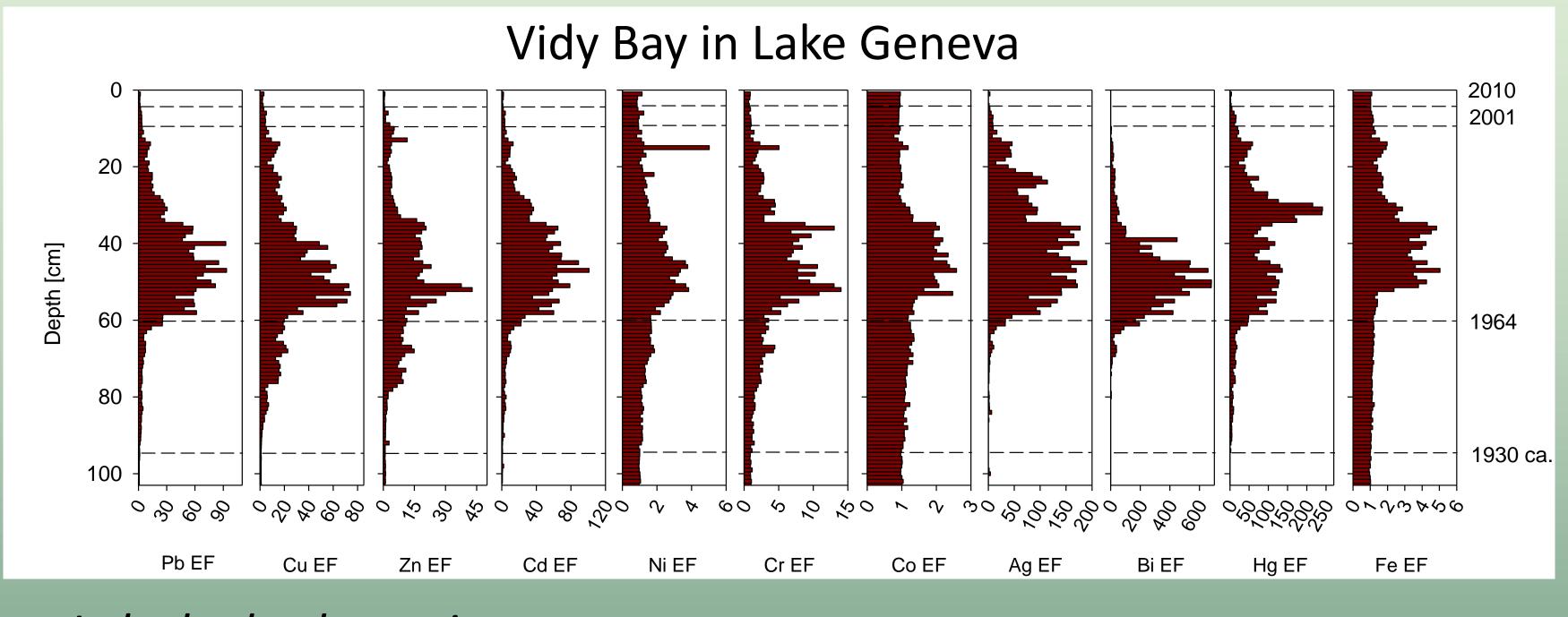
Human impacts vs. climatic changes in sediment production and transfer



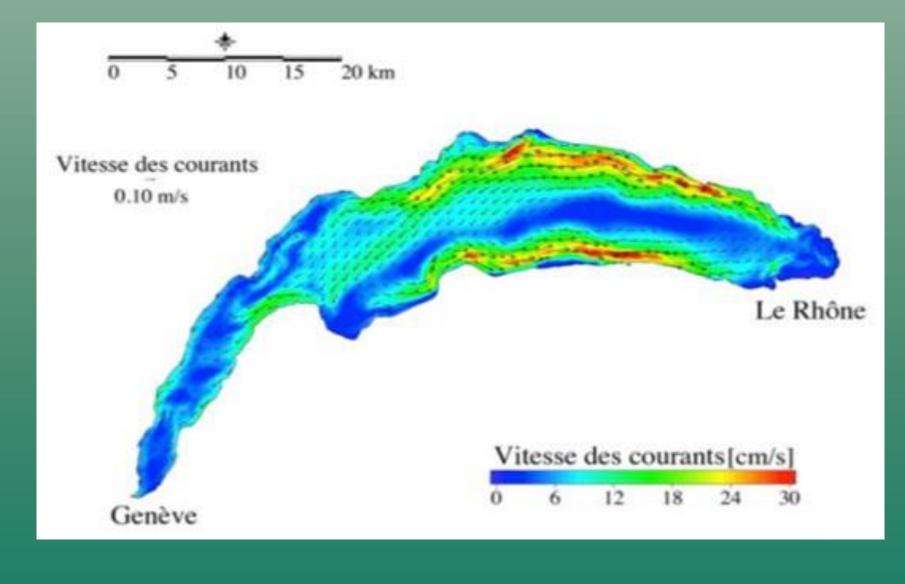
Technology-critical elements (TCEs)



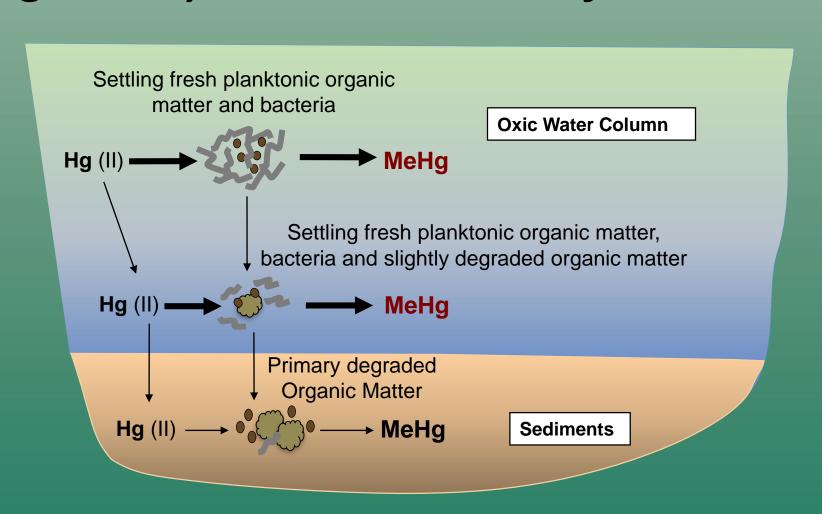
History of environmental contamination inferred from lake sediments



Lake hydrodynamics



Hg methylation and transfer in lakes



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