

# I3

## Responsible

- \*  Christophe Pecheyran

## Field of applications

- \* Geosciences
- \* Environment
- \* Agrifood, health

## Skills

- \* Qualitative identification, adulteration, traceability of origin
- \* Basic imaging,
- \* Geochronological dating (U, Pb & Th)
- \* Biomineral analysis, forensics, traceability (counterfeit, adulteration)
- \* Characterization of chemical elements and their isotopes on the surface of a sample and/or subcellular in the field of life and medicine.

## Equipments

- \* HR-ICP-MS (with or without GC coupling)
- \* Coupling FFF-UVDAD-MALS-ICPMS
- \* Femtosecond laser
- \* Quadrupole ICP-MS
- \* NanoSIMS
- \* IRMS

## Technical centers

- \* PAMAL: Trace metal analyses by laser ablation
- \* Multicollector: Isotopy of metals, metalloids, radionuclides by HR and MC-ICP-MS
- \* Nano characterization
- \* [Nanosims](#)