

We have access to a Nu Plasma Multi-Collector Inductively Coupled Plasma Mass Spectrometer (MC-ICP-MS) which is a shared facility located at and managed by the [Department of Earth and Environmental Sciences of Université Libre de Bruxelles](#).



With this instrument we have developed original methodologies for the measurements of:

- Silicon isotopic compositions ($\delta^{30}\text{Si}$) in waters (lakes, rivers, seawater, seaice), rocks (Banded Iron Formation, cherts), soils and plants (phytoliths), phytoplankton (diatoms), standard reference materials. Further information can be found on projects BELCANTO, CLANIMAE, TIMOTHY, Si-CONGO, HOLOCLIP and CLIMLAKE.
- Magnesium isotopic compositions ($\delta^{26}\text{Mg}$) in marine biocarbonates (echinoids: starfish and urchin, bivalves: clams), organic matrix (soft tissues and body fluids of marine invertebrates), continental, hydrothermal and marine waters, standard reference materials, inorganic calcium carbonates. Further information can be found on projects BELCANTO and TIMOTHY.