

# SILLS:

A data reduction tool for LA-ICP-MS

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- > Short history of SILLS
- > Features
- > Advantages & Drawbacks
- > Demonstration with your data
- > Other examples

- > First developed at the University of Leeds by Murray Allan
- > Extensively redesigned and tested at ETH Zurich by Marcel Guillong and Dimitri Meier
- > Currently in use with LA-ICP-MS systems all over the world
- > ~ 17'000 lines of MATLAB code

- > User-friendly, graphical interface
- > Quantify all kind of samples
  - Homogeneous minerals and rocks
  - Fluid, melt and mineral inclusions
  - Zircon dating
  - Trace elements on XRF fusion tablets
  - ...
- > Automatic spike elimination, integration interval selection
- > Many calculation options (external / internal standards, ratios, matrix correction, salt correction, drift correction, etc.)
- > Ability to save projects at any point, print or save plots
- > Result preview
- > Custom output into Excel

## Advantages

- > Easy to use
- > Click & Drag, not manually editing data
- > Fast & efficient work
- > Can handle most applications of LA-ICP-MS
- > Available for free [www.igmr.ethz.ch/research/fluids/software](http://www.igmr.ethz.ch/research/fluids/software)
- > No MATLAB required

## Drawbacks

- > Works with Windows only
- > Hardware requirements
- > Makes you lazy... Always check what you calculate!

