



NORDSIM CALL FOR PROPOSALS, 2010

(application deadline: January 31, 2010)

Applications are invited for analytical time on the Nordic ion microprobe facility (Nordsim). The facility is equipped with a Cameca IMS1270e7 ion microprobe which is used for high spatial resolution, in situ isotopic and elemental analysis in the earth sciences. Currently established analytical procedures include:

- U-Th-Pb geochronology of zircon (and other minerals depending on availability of appropriate standards)
- Pb isotope ratio determination in silicates
- REE determination in silicates
- Trace element determination in silicates, phosphates and carbonates
- Boron isotopes ($^{11}\text{B}/^{10}\text{B}$) in silicate glasses
- Oxygen isotope analysis ($^{18}\text{O}/^{16}\text{O}$ and $^{17}\text{O}/^{16}\text{O}$) in zircon (and other silicates subject to standard availability)
- Sulphur isotope analysis ($^{34}\text{S}/^{32}\text{S}$ and $^{33}\text{S}/^{32}\text{S}$) in sulphides

Other analytical methods may exist or can be developed collaboratively please enquire. Applications received before the deadline of January 31, 2010 will be evaluated by the Nordsim steering committee and successful projects will be scheduled to run during 2010. Further details about the Nordsim facility may be found on our web site (www.nrm.se/nordsim). Application forms may be downloaded from the web site or obtained directly from the laboratory or the appropriate national representatives listed below. Please note that all applications should be submitted directly to the laboratory, preferably by e-mail to martin.whitehouse@nrm.se (mailing address Nordsim Laboratory, Swedish Museum of Natural History, Box 50007, SE-104 05 Stockholm, Sweden).

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