

Welcome to RIHN Laboratory!

For use of the RIHN laboratory facilities

—Environmental Measurements are the Basis for Integrated
Research in the Field of Global Environmental Studies—

Survey and Analysis Unit (SAU) of Center for Research Promotion (CRP) maintains the facilities and provides technical assistance in Laboratory in **Research Institute for Humanity and Nature (RIHN)**.

RIHN views global environmental problems as matters of interaction between humanity and nature, as well as between human lifestyles and cultures. For this reason, **RIHN** collects information across disciplines and integrates research projects to achieve integrated research in the field of global environmental studies.

Environmental measurements, conducted in laboratory facilities with cutting-edge technologies, such as stable isotope measurement, element determination and DNA analysis, are essential for this type of research. Only through long-term monitoring of the global and regional environment does it become possible to delineate changes in interactions between humanity and nature, thereby enabling new discussions and exploration of solutions.

SAU plays a leading role in accomplishing the **RIHN** mission by cooperating with many research institutes and researchers from within Japan and abroad, who take part in **RIHN** research.

We hope that researchers can make optimal use of the **RIHN** facilities to achieve integrated research in the field of global environmental studies.

Contact information

If you want to use the shared instruments, please access our URL or ask by E-mail.

E-mail doitai@chikyu.ac.jp

URL <http://www.chikyu.ac.jp/laboratories/lab.html>

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About Shared Instruments

The RIHN facilities have shared instruments, which are available for outside universities and research institutes, as well as for RIHN research.

List of the shared instruments controlled by SAU

- Thermal Ionization Mass Spectrometer (TIMS)
-TRITON
- High-Resolution Multicollector ICP-MS
-NEPTUNE plus
- Gamma-ray Spectrometer
-MCA7700
- Stable Isotopic Ratio Mass Spectrometer (IRMS)
-Delta V Advantage, Delta V Plus, Delta plus XP
[H, O, C, N] in organic matters;
[H, O, S] in water; [C, O] in carbonate; [O] in Phosphate
- Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
-7500cx
- Ion Chromatograph
-ICS-3000
- Liquid Water Isotope Analyzer
-L2120-i L2130-i
- Scanning Electron Microscope
-TM-1000
- Mixer Mill
-MM400
- Cutter / Polisher
-Minitom, Discoplan-TS
- Pulverizer
-HP-MS

SAU staff will support
users' experiment!



A part of shared instruments in this list
is still in development of method.

There are other shared instruments managed
by Research Projects.



Inter-University Research Institute Corporation
National Institutes for the Humanities

Research Institute for Humanity and Nature

Laboratory Guide

