

INFRASTRUCTURE/FACILITY	<i>Laboratory of Paleomagnetism</i>
INFRASTRUCTURE/FACILITY	<i>Paleomag</i>
LOCATION OF INFRASTRUCTURE/FACILITY	<i>Rome, Via di Vigna Murata 605, INGV Headquarters</i>
LEGAL NAME OF OWNER ORGANIZATION	<i>Istituto Nazionale di Geofisica e Vulcanologia</i>
COUNTRY	<i>Italy</i>
CONTACT	<i>Aldo Winkler, Laboratory Manager, +393440178009</i>

DESCRIPTION

<p><i>The Paleomagnetism Laboratory of INGV is mainly located in a magnetically shielded room and hosts two long core cryogenic magnetometers for the measurement of the magnetic properties of both discrete rock samples and continuous sediment cores, up to 1.5 m long. The applications of paleomagnetism and rock magnetism span over various disciplines of Earth Sciences, from geodynamics to stratigraphy, from reconstructions of paleoclimatic and paleoenvironmental changes to the monitoring of present-day air pollution.</i></p> <p><i>The laboratory includes state of the art instruments and devices for measuring the magnetic susceptibility and its variation with the applied field and the temperature, as well as a new generation vibrating sample magnetometer for defining hysteresis loops and First Order Reversal Curves</i></p>		
RI/ Facility participating in an ERIC	YES	ERIC EPOS https://www.epos-eu.org/epos-eric

ANALYTICS/EXPERIMENTAL INFRASTRUCTURES/FACILITIES

TYPE	SERVICE DESCRIPTION	ADDITIONAL INFORMATION
AGICO KLY5	<i>Measurement of magnetic susceptibility</i>	Possibility to measure also the variation of magnetic susceptibility with the direction and intensity of the magnetic field	
<i>Micromag VSM Lakeshore 8604</i>	<i>Hysteresis loops and FORCs</i>	Possibility to measure the magnetization of samples under the variation of magnetic field and temperature	

ACCESS PROVIDED

Definitions

- *Remote: the requested facility is operated by the owner's staff the presence of the user team is not required,*
- *Physical (In person/hands-on): the presence of the user team is required/recommended during the whole operation period*
- *Partially remote: the presence of the user team is required at some stage (depending on the user team's activity).*

Remote is possible, but not as a first choice. Physical is preferred, with the supervision of two user teams (researcher and technician)

SPECIAL REQUIREMENTS

Num of access/Call;	2
Max period granted in the year:	

Exclusion Periods in the year:	
Max period granted per single user team (working day; days for R/V)	1 week for call (5 working days)
Max num of user team members admitted	
Admin/Safety requirements for the user team	Acceptance of the Laboratory rules and insurance (personal or institutional) during the stay
Min # days/months of notice to the RI Resp/PI for preparing the access	2 months of notice
Geographical Areas where RI/facility access is granted to user teams	Paleomagnetic laboratory (2 rooms) and service area at INGV