

Euromlanet TA: lab and field studies

Euromlanet Transnational Access
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Europlanet TA: lab and field studies

- Offers lab and field opportunities
- Data results should be published conforming requirements
- VU helps project to implement infrastructure

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Data to publish:

- General metadata: Date & location of sampling
- Type of sample/location: rock, lava, mud, water, glacial, hot spring, etc.
- Physical & chemical measurements: Temperature, pH, different elements & molecules within e.g. a water sample (Fe, Na, K, P, DOC, etc.)
- Molecular data: DNA/RNA sequences, both raw data and processed (quality controlled & analyzed)
- Isotope analyses
- Spectral & microscopic analyses (XRF, XRD, high resolution spectroscopy, RAMAN, SEM, etc.)
- Pictures & videos taken, e.g. to illustrate sampling sites or as part of instrument testing, e.g. new camera systems
- Operational procedures that were tested/developed, e.g. how to control ROVs for sampling on Mars

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Data types would include:

- Tables with metadata & measurements that can be expressed as text & numerical values (CSV)
- FASTA files for DNA/RNA
- Spectra (not sure which format)
- Image & video files
- Text files

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Will be using Atmospheric/Meteorologic data set as example

- Geolocation
- Date/Time
- Albedo
- Net Radiation
- CO₂

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Points of interest

- Maps
- Images
- Storing documents