



# AlpArray Austria - Illuminating the subsurface of Austria AlpArray Austria - Illuminating the subsurface of Austria and understanding of Alpine geodynamics: The network

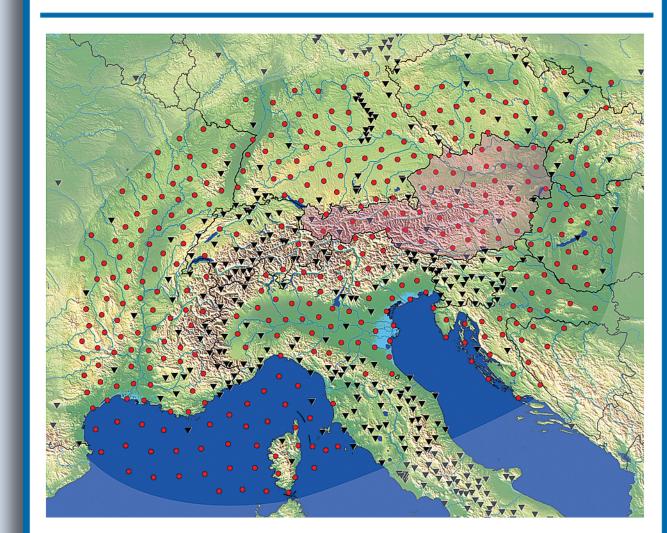


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#### AlpArray project

AlpArray Austria is a research project to study the geodynamics of the Eastern Alps and the subsurface of Austria with a large-scale mobile broadband seismological network. AlpArray

AlpArray Austria is coordinated by the Department of Meteorology and Geophysics (IMGW) at the University of Vienna and funded by the Austrian Science Fund (FWF).



The AlpArray network: temporary permanent

### **AlpArray Austria facts**

- > 42 temporary broadband stations operated by IMGW
- > 12 permanent stations operated by **ZAMG**
- 2 new permanent stations planned by **ZAMG**

40 km average station spacing

## Scientific goals

# The temporary network will be equipped with AlpArray Austria seismic network Status of deployment End of May 2015 (expected completion by end of 2015) Temporary broadband stations Deployment & Planing Status May 2015 Installed / significant scouting progress Local contacts established / potential sites Aerial photo check only / locals contacted Permanent broadband stations Suggested temporary network (May 18, 2015) 9°E30′ Expected duration of deployment: 2 - 3 years

# Instrumentation

27 instruments from IMGW

Reftek 130 Reftek 151

**60s** sensor

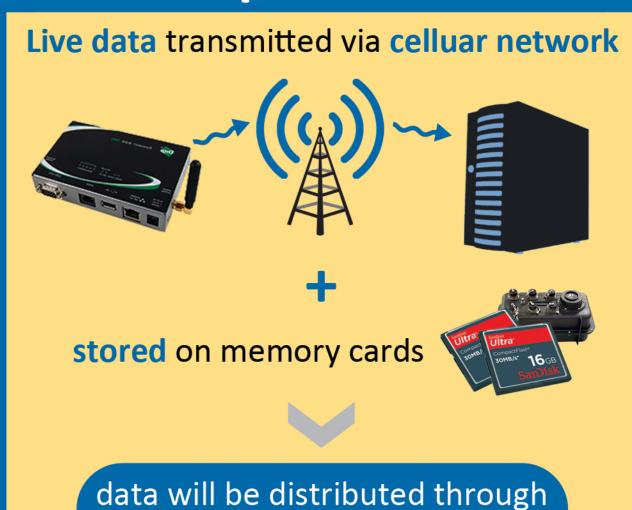
15 instruments from **DIAS** (Dublin Institute for Advanced Studies)

**Taurus** 

Trillium 120

data logger 120s sensor

# Data acquisition



ORFEUS / EIDA

### Installation

Typical installation inside basements, unused huts or wine cellars Noise level

**Abbreviations** 

= Dublin Institute for Advanced Studies | Geophysics Section | Dublin, Ireland

IMGW = Department of Meteorology & Geophysics | University of Vienna | Vienna, Austria

**ZAMG** = Zentralanstalt für Meteorologie & Geodynamik | Federal Ministry of Science, Research and Economy | Vienna, Austria