

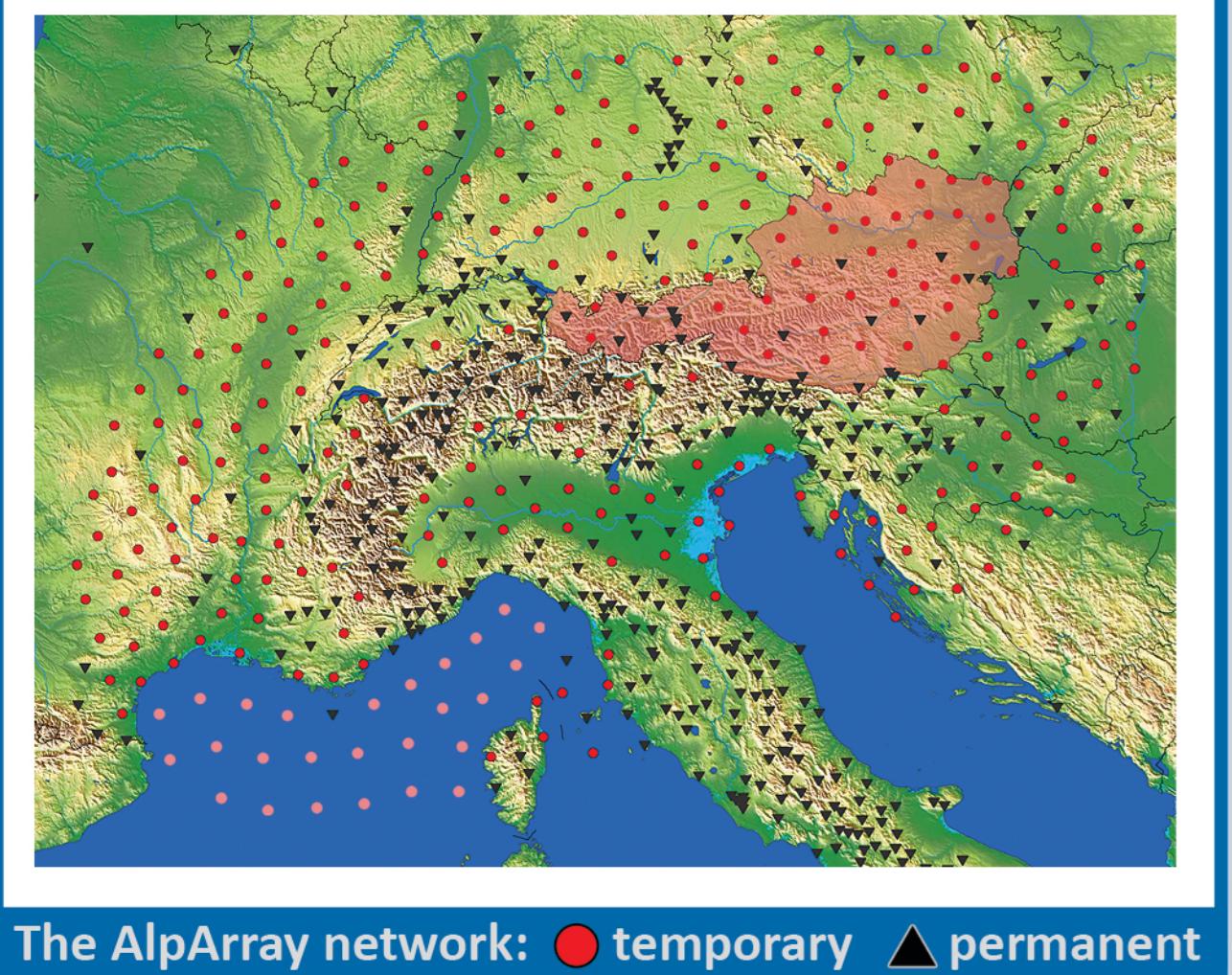
Florian Fuchs | Petr Kolínský | Gidera Gröschl | Götz Bokelmann | AlpArray Working Group

## AlpArray project

AlpArray is a unique transnational research initiative to study the geodynamics and subsurface of the Alps with a large-scale temporary broadband seismological network which complements the existing permanent stations.

64 research institutes from 17 countries join their expertise to advance our knowledge about the structure and evolution of the lithosphere beneath the entire Alpine area.

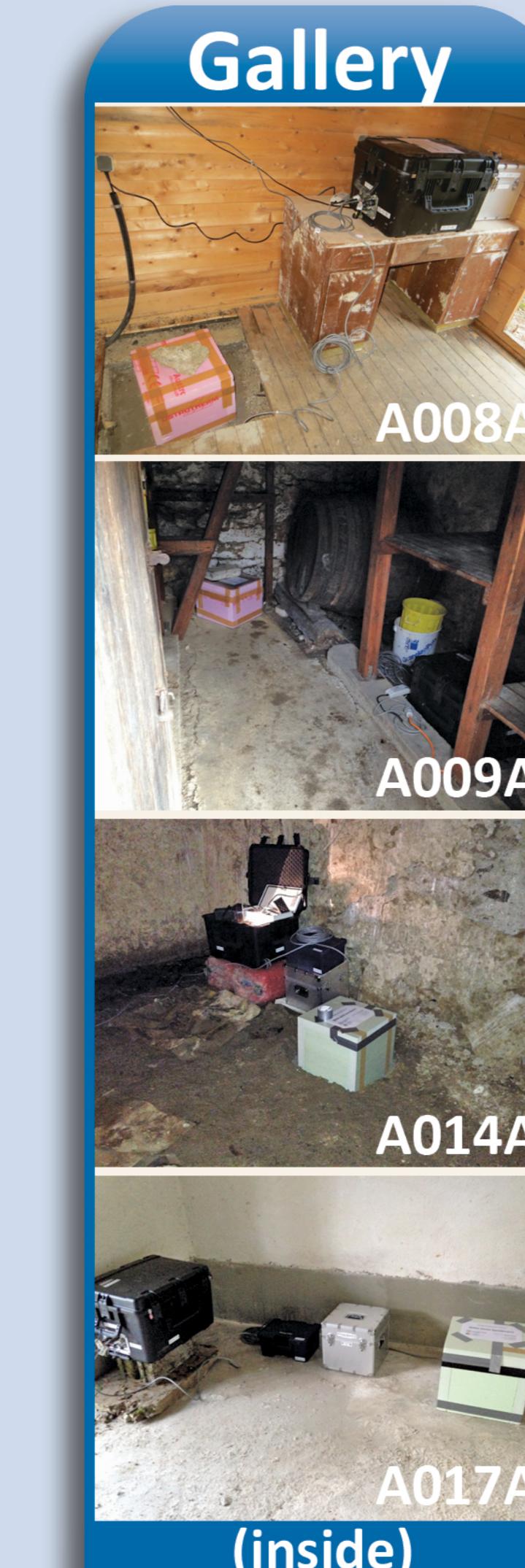
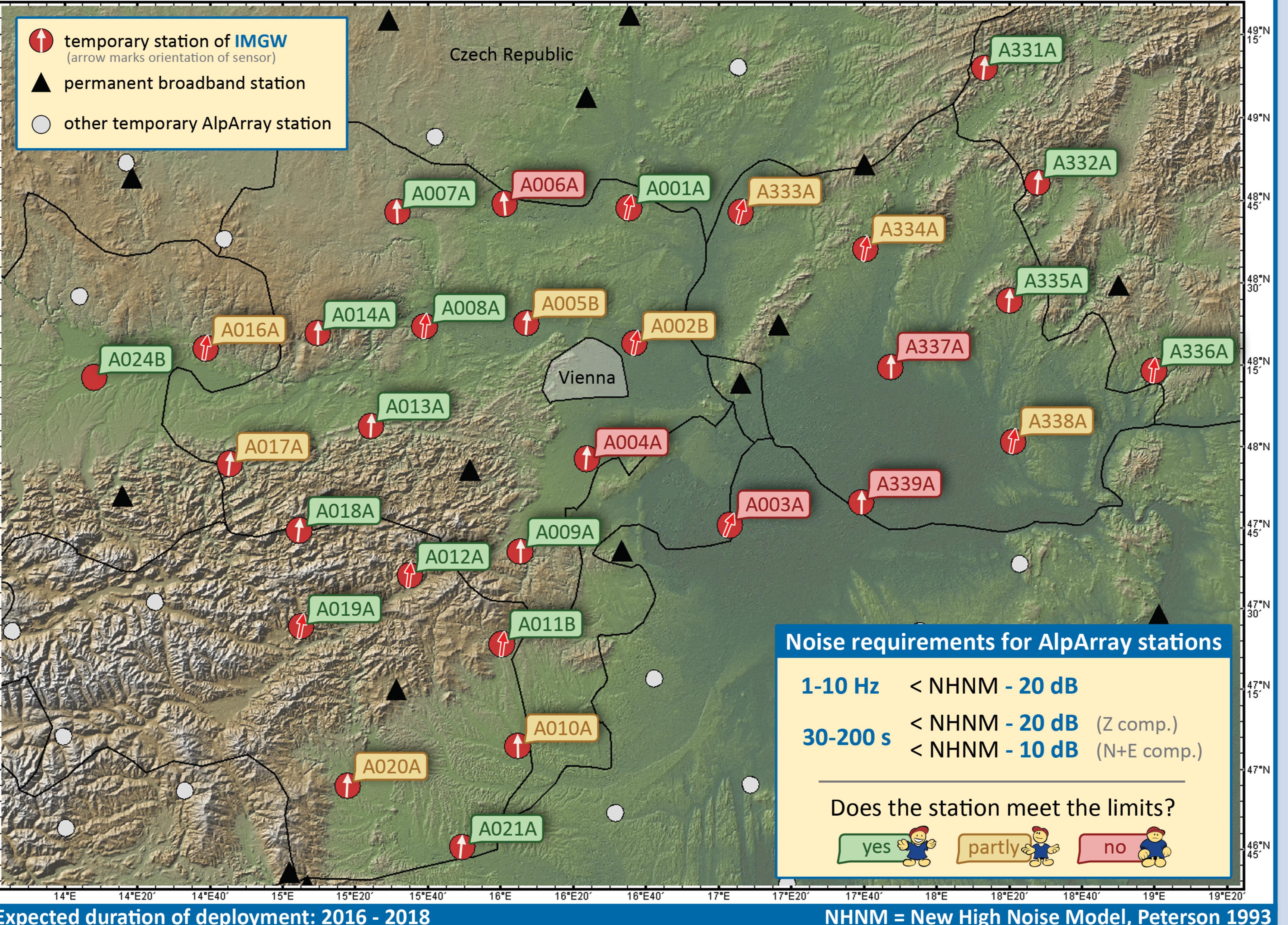
AlpArray in Austria and Slovakia is coordinated by the Department of Meteorology and Geophysics (IMGW) at the University of Vienna and funded by the Austrian Science Fund (FWF).



## Gallery



## Station map

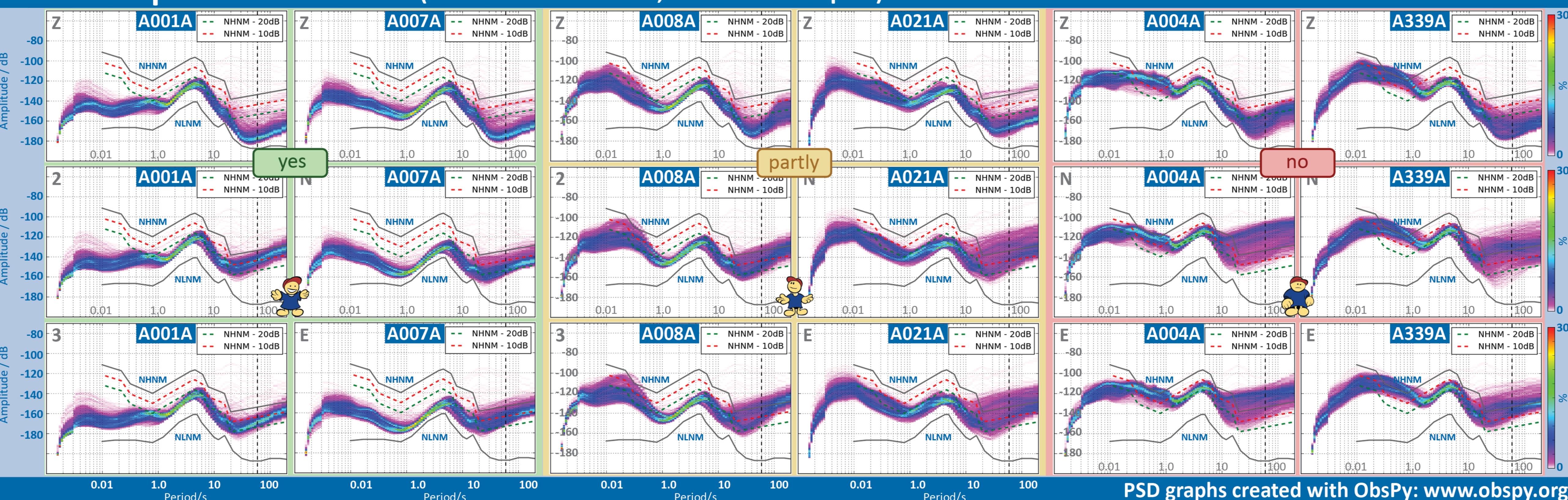


## Installation

Typical installation inside basements, unused huts or wine cellars

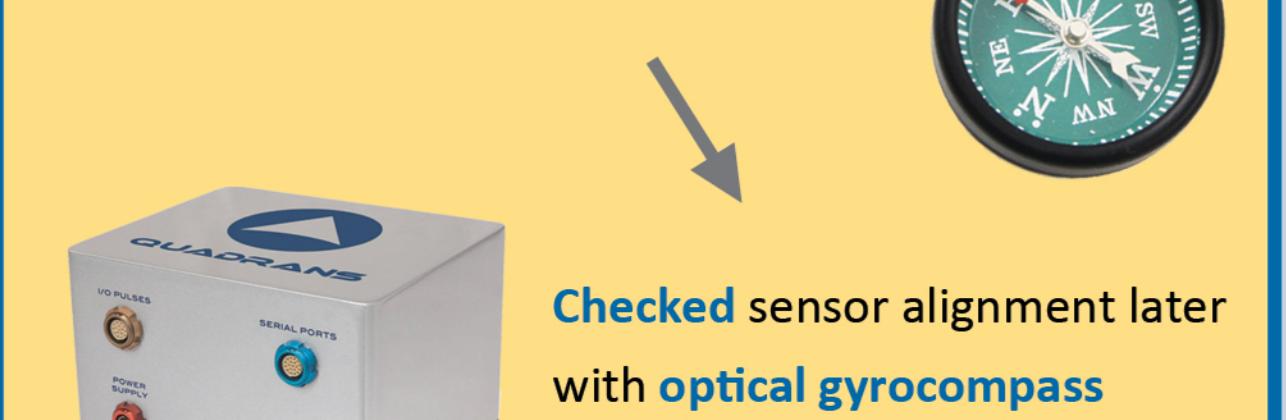


## Power Spectral Densities (Noise characteristics, selected examples)



## Sensor alignment

N-S orientation of sensor determined with magnetic compass during deployment



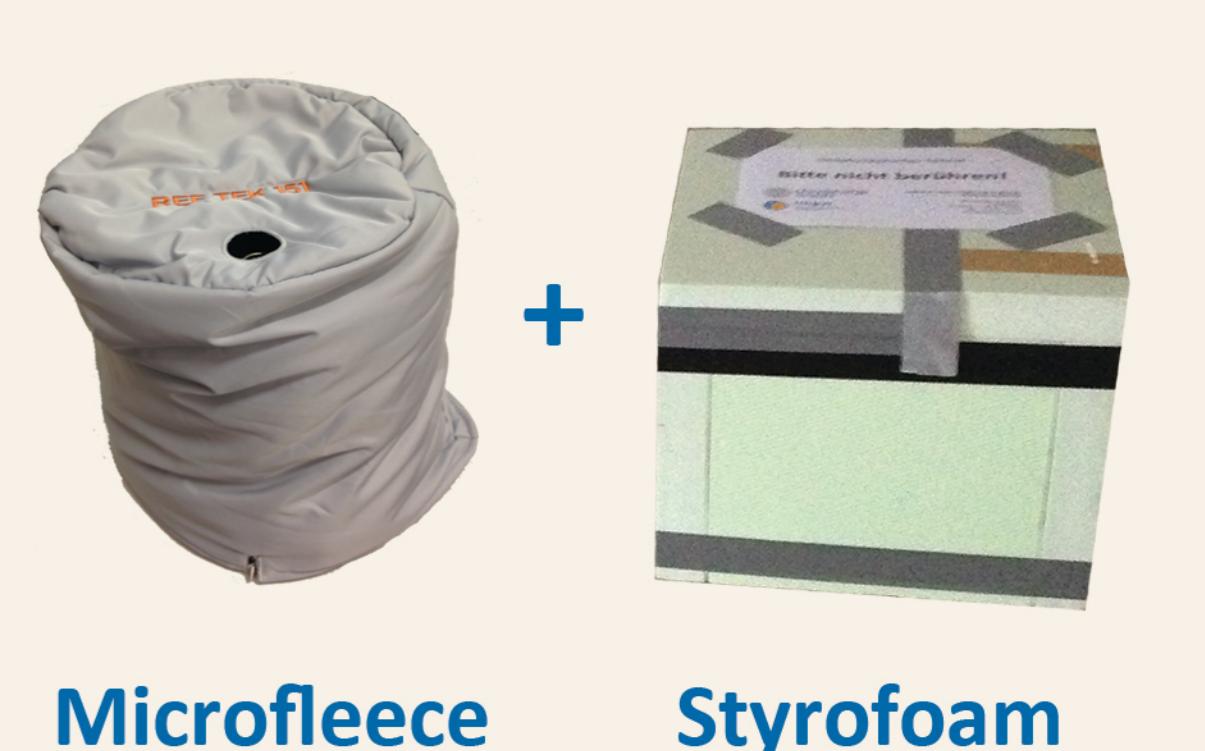
Re-named N+E channels to 2+3 if deviation from geographic North > 5° (11 of 30 stations affected)

## Instrumentation

The temporary stations are equipped with 30 instruments from **IMGW**



## Thermal insulation



## Power supply



## Data acquisition

