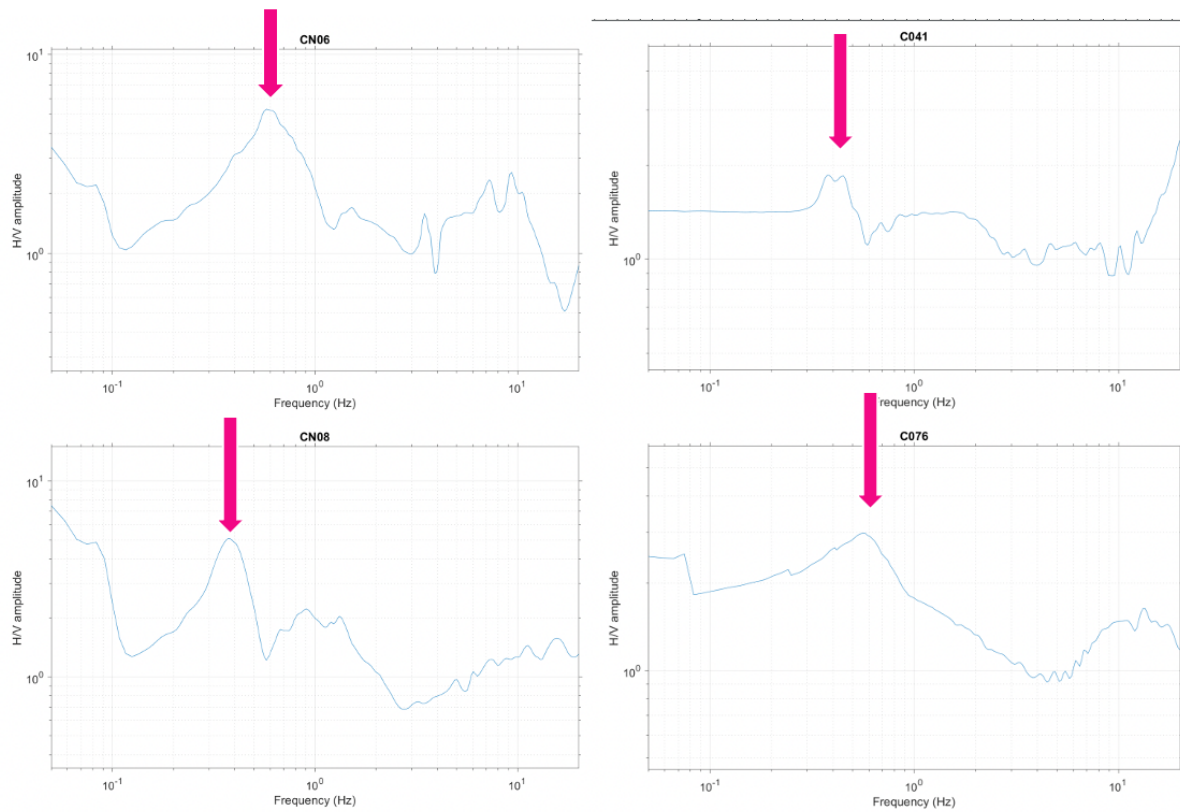


Supplementary Material



5 **Figure S1:** Representative H/V measurements at broad-band stations (left panels) and seismic nodes (right panels).

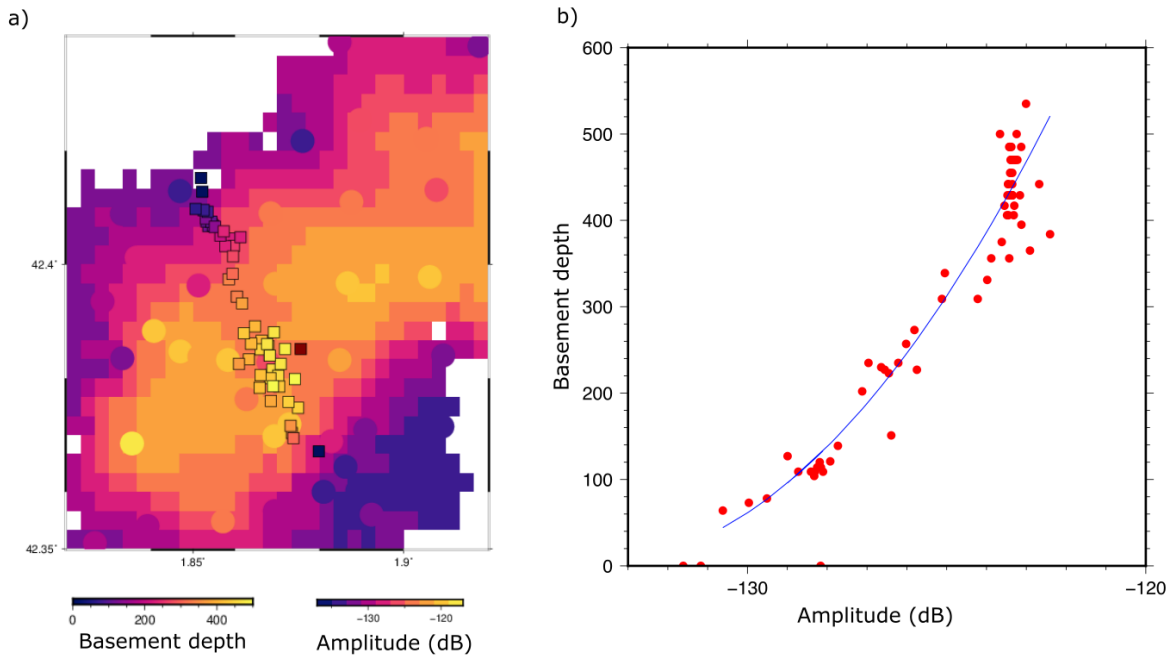


Figure S2: a) Correlation between seismic power amplitudes measured in our dataset and the basement depth estimations from Gabàs et al. 2016. Squares show the basement depth estimations by Gabàs et al 2016, while circles shows the power amplitude in our dataset, measured in dB. Color palettes have been chosen to visualize the correlation between both datasets b) Adjustment between seismic power amplitudes and seismic power amplitudes. Blue line shows the degree 2 polynomial adjustment.