Locating changes on an active volcano using ambient seismic noise cross-correlations





Institut des Sciences de la Terre

Anne Obermann, Thomas Planès, Bérénice Froment, Eric Larose, Michel Campillo

ISTerre, CNRS, Université de Grenoble, France



- > Can we locate the eruptions?
- > Can we forecast the location of a future eruption?





ished by the European Commissio



agreement with the actual eruptive activities.

These results demonstrate that the coda of ambient noise correlations contains deterministic information on the position of the eruptive process in an active volcano, and also offer an original and significant constraint on the location of forthcoming volcanic eruptions.

Acknowledgements

ERC Advanced Grant Whisper 227507