
Stéphanie GODEY

Born the 22nd of July 1974 in Bayeux
French Nationality

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Present position and university education

- 1997-2002 PhD at the faculty of Earth Sciences of Utrecht (the Netherlands) under the direction of Pr. Roel Snieder on ‘Structure of the uppermost mantle beneath North America: Regional surface wave tomography and thermo-chemical interpretation’ with focus on the improvement of regional Surface Wave tomography in North America. Defended 26th of September 2002.
- 1996-1997 ‘DEA’ of Geophysics at the University of Strasbourg, 5 months training on the project: Teleseismic tomography of North-Tibet: differentiation of the Altyn Tahg fault by shear heating.
- 1995-1996 Master of Science at the University of Caen, main subject: optic and modern atomic spectroscopy.
- 1992-1995 ‘DEUG and Licence’ of Physics at the University of Caen.

Teaching experience

- 1997-1998 Teaching assistant of Mathematics for 1st and 2nd year earth sciences students (in english) at Utrecht University.
- 1998-2000 Teaching assistant of Seismology for 4th year students.
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Publications and Communications

Publications:

- S. Godey, Snieder R., Villasenor A., Benz H., **Surface wave tomography of North America and the Caribbean using global and regional broadband networks: phase velocity maps and limitations of ray theory.** In press in GJI.
- S. Godey, Trampert J., Snieder, **Influence of scattering effects in Surface wave regional tomography.** In preparation.
- S. Godey, Trampert J., Deschamps F., Snieder R., **Thermal and compositional anomalies beneath the North American continent.** Submitted to JGR.

Communications:

- S. Godey, Snieder R., Villasenor A., Woodward R.L., **Surface Wave tomography of North America and the Caribbean,** EGS poster, Den Haag, The Netherlands, April 1999.
- S. Godey, Snieder R., **Diffraction effects on Surface Wave tomography,** oral presentation, AGU meeting, San Francisco, U.S.A., Décembre 2000.

Workshops

- April 2000 Geophysical methods applied to Archeology, Denver, USA.
- April 1999 Imaging complex media with acoustic and seismic waves, Cargèse, France.
- Mai 1998 Data analysis and the statistical foundations of geomatics, Chania, Krete.
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International collaboration

April-June 2000 Work on scattering theory with Roel Snieder at the Colorado School of Mines, Golden, Colorado. Collaboration with the seismological department of the USGS and the University of Colorado in Boulder.

Oct.-Dec. 1999 Seismological data acquisition and analysis at the USGS, Golden, Colorado in collaboration with Harley Benz. Data processing and inversion procedures in Albuquerque, New Mexico in collaboration with Bob Woodward.

Language skills

Fluency in French, English and Dutch.

Software skills

SAC (Seismic Analysis Code), Fortran, GMT, HTML, Latex, PERL under Linux and Windows environments.
