

Table 1

Globalseis presentations		
Author(s)	Title	Conference
2009		
G. Nolet	Seismic tomography and the dilemma of the Earth's heat budget	IASPEI General Assembly, Cape Town
G. Nolet	Le paradoxe du budget de chaleur de la Terre	OCA, Nice
G. Nolet	Seismic tomography and the dilemma of the Earth's heat budget	ICTP: From core to crust
G. Nolet	The future of global tomography	RESIF Meeting, Strasbourg
G. Nolet	Seismic tomography and the dilemma of the Earth's heat budget	ETH Seminar
G. Nolet	Global seismic tomography in transition	Mesoimage Mtg, Paris
Y. Tian, Y. Zhou, K. Sigloch and G. Nolet	Structure of the U.S. Mantle Constrained by Simultaneous Inversion of multiple frequency SH-waves and Love waves	AGU Fall Mtg
2010		
G. Nolet	Seismische tomografie: een kijkje achter aardse schermen	KNAW afd. Natuurkunde, Amsterdam
G. Nolet, F. Simons, Y. Hello and Ph. Charvis	Mermaids: array seismology in the oceanic domain	OBS-NEREIS Mtg, Paris
G. Nolet	Seismic tomography and the dilemma of the Earth's heat budget	UNS Fac de physique, Nice
S. Voronin, I. Daubechies, G. Nolet, F. J. Simons, I. L. Loris, S.J. Judd, C. Vonesch, P. Vetter and J. Charl��ty	Practical 11 Optimization Using Parallel Computing	SIAM Conference on Parallel Processing for Scientific Computing, Seattle, Washington
M. Vall��e, J. Charl��ty, A.M.G Ferreira, B. Delouis, J. Vergoz	Rapid determination of large earthquakes moment magnitude, focal mechanism, and source time functions inferred from body-wave deconvolution	SSA meeting, Portland
A.M.G Ferreira, M. Vall��e, J. Charl��ty	Detailed results and validations of the SCARDEC method	SSA meeting, Portland
J. S. Judd, J. Charl��ty, G. Nolet, F. J. Simons, I. Daubechies, P. Vetter, S. Voronin, C. Vonesch, and I. Loris	The computation of Finite-Frequency kernels without the paraxial approximation	EGU General Assembly
I. Loris, F.J. Simons, I. Daubechies, G. Nolet, M Fornasier, P.Vetter, S.J Judd, S. Voronin, C. Vonesch and J. Charl��ty	A new approach to global seismic tomography based on regularization by sparsity in a novel 3D spherical wavelet basis	EGU General Assembly
M. Vall��e, J. Charl��ty, A.M.G. Ferreira, B. Delouis and J. Vergoz	SCARDEC : a new technique for the rapid determination of seismic moment magnitude, focal mechanism and source time functions for large earthquakes using body-wave deconvolution	EGU General Assembly
B. Schuberth and Bunge, H.-P.	High plume excess temperatures in the lowermost mantle	EGU General Assembly, Vienna
J. Charl��ty, M. Vall��e, A.M.G. Ferreira, B. Delouis and J. Vergoz	Detailed results of the SCARDEC method : recent earthquakes and major subduction earthquakes of the last 20 years	EGU General Assembly
A.M.G Ferreira, M. Vall��e and J. Charl��ty	Assessing earthquake source models using 3-D forward modelling of long-period seismic data : application to the SCARDEC method	EGU General Assembly
G. Nolet	Tomography: waveform or traveltimes inversion?	Albert Tarantola Hommage workshop, Paris
M. Obayashi, G. Nolet, J. Yoshimitsu, D. Suetsugu, H. Shiobara, H. Sugioka, A. Ito, T.	Finite frequency tomography for the northwestern Pacific region	ESC 32 nd General Assembly, Montpellier
G. Nolet	The trouble with travel times	ESC 32 nd General Assembly, Montpellier
G. Nolet	Seismic tomography in transition	ESC 32 nd General Assembly, Montpellier
L. Stehly	Computing Green function by Simulating Seismic Ambient Noise Using the Spectral Element Method	ESC 32 nd General Assembly, Montpellier
D. Mercerat, G Nolet, M Marot, P Deshayes, T Monfret	Imaging the slab beneath central Chile using the Spectral Elements method and adjoint techniques	ESC 32 nd General Assembly, Montpellier
B. Schuberth, Bunge, H.-P. and Nolet, G.	The Seismic Signature of Flow in Earth's Mantle	EFMC8 (8th EuroMech Fluid Mechanics Conference), Bad Reichenhall, Germany
B. Schuberth, Bunge, H.-P. and Nolet, G.	The Importance of Mineral Physics for the Geodynamic Interpretation of Seismic Tomography	1st QUEST Workshop, Sardinia
D. Mercerat, G Nolet, M Marot, P Deshayes, T Monfret	Imaging the slab beneath central Chile using the Spectral Elements method and adjoint techniques	Quest Workshop, Sardaigne, Italy
G. Nolet	The trouble with travel times	Quest Workshop, Sardaigne, Italy
C. Gourdin	New Estimations on splitting normal modes	Quest workshop Sardinia
M. Vall��e, A.M.G. Ferreira and J. Charl��ty	Description and validation of the SCARDEC method, a new approach to quickly determine the earthquake source parameters	ESC 32nd General Assembly, Montpellier
J. S. Judd, J. Charl��ty, G. Nolet, F. J. Simons, I. Daubechies, P. Vetter, S. Voronin, C. Vonesch, and I. Loris	The computation of Finite-Frequency kernels without the paraxial approximation	ESC 32nd General Assembly, Montpellier
C. Scheurle, Claustre, H., Antoine, D., Boss, E., Johnson, K., K��rtzinger, A., Mangin, A., Nolet, G.,	Integrating profiling floats with extended capabilities in future education and outreach activities. Cossee Vision paper, accepted to « A Community	COSEE Meeting, Washington DC
B. Schuberth	Joint Modeling of Mantle Flow, Mineral Physics and 3-D Wave Propagation: A Comprehensive Approach to Test Geodynamic Hypotheses Against Seismic Data	Seminar on Computational Seismology, Potsdam, Germany
B. Schuberth, Bunge, H.-P. and Nolet, G.	The Seismic Signature of Strong Thermal Heterogeneity in the Lowermost Mantle	CECAM Workshop Computational Mineral Physics: Applications to Geophysics, Zurich, Switzerland

G. Nolet	High-resolution tomography: the implications for geodynamics	CECAM conference, Zurich
L. Stehly	Using simultaneously curvelet filters and SEM simulation of seismic ambient noise : a possible way to improve ambient noise tomography	AGU 2010 Fall Meeting
Schuberth, B.S.A., Bunge, H.-P.	Strong Thermal Anomalies in the Lowermost Mantle Explain a Large Fraction of Deep Earth Seismic Structure	AGU Fall Mtg
2011		
A. Sukhovich, A. Ogé, F. Simons, A. Deschamps, Y. Hello, and G. Nolet	A probabilistic approach to the discrimination of underwater acoustic signals due to P-waves generated by teleseismic events	EGU Vienna 2011
K. Sigloch and G. Nolet	Frequency dependence of observed P-wave traveltimes and amplitudes, and their prediction by finite-frequency tomography	EGU Vienna 2011
G. Nolet, C. Zoroli, J. Charlety, and D. Mercerat	Seismic tomography: recent developments and new perspectives	EGU Vienna 2011
C. Zoroli, G. Nolet, E. Debayle, and M. Sambridge	Global multiple-frequency SH-wave tomography: refining seismic imaging of the Earth's mantle	EGU Vienna 2011
L. Stehly, P. Cupillard, and B. Romanowicz	Computing green functions by simulating seismic noise using the Spectral Element Method	EGU Vienna 2011
Zoroli C., Nolet G., Charlety J., Debayle E. & Sambridge M.	How to exploit frequency-dependent S-wave delay-times for refining images of the Earth's mantle?	AGU Fall Mtg
Mercerat D., Zoroli C. & Nolet G.	Finite-frequency tomography: the checkerboard test revisited	AGU Fall Mtg
Schuberth, B.S.A., C. Zoroli and G. Nolet	Synthetic Seismograms for a Synthetic Earth – Long-period P- and S-wave Traveltime Variations can be Explained by Temperature Alone	AGU Fall Mtg
C. Gourdin, G. Laske, G. Masters and G. Nolet	Normal modes splitting estimations from recent large earthquakes	AGU Fall Mtg
2012		
E. Leymarie, Y. Hello, C. Penkerch, A. Ogé, A. Poteau, J.F. Argentino, A. Sukhovich, V. J. Charlety, G. Nolet, S. Voronin, I. Daubechies, F. Simons, I. Loris	A new electronic board for profiling floats dedicated to multidisciplinary data acquisition	AGU/ASLO 2012
Schuberth, B.S.A., Zoroli, C. and Nolet, G.	Inversion with a sparsity constraint: Application to mantle tomography Synthetic seismograms for a synthetic Earth: long-period P- and S-wave traveltime variations can be explained by temperature alone	EGU/Vienna 2012
K. Sigloch and G. Nolet	Seeing through the donut holes	3rd Quest wrkshop, Slovakia
Schuberth, B.S.A., Zoroli, C. and Nolet, G.	Synthetic seismograms for a synthetic Earth: long-period P- and S-wave traveltime variations can be explained by temperature alone	3rd Quest wrkshop, Slovakia
Schuberth, B.S.A., Zoroli, C. and Nolet, G.	Synthetic seismograms for a synthetic Earth – Joint modeling of mantle flow, mineral physics and 3-D seismic wave propagation	PRACE DECI symposium, Helsinki
G. Nolet	Seismic tomography, A giant inverse problem	IMRED, Nice
G. Nolet	Seismic tomography, A giant inverse problem	INRIA, Nice
A. Morbidelli and G. Nolet	La Terre, passé et présent	Journées OCA, Nce
G. Nolet; D. Mercerat; C. Zoroli	The devil's checkerboard: why cross-correlation delay times require a finite frequency interpretation	AGU Fall Meeting, San Francisco 2012
Thomas D. Mikesell; G. Nolet; Jean Charlety; J. E. Ritsema; Hendrik J. van Heijst	Finite-frequency global mantle tomography in the Cubed Earth from Rayleigh wave dispersion	AGU Fall Meeting, San Francisco 2012
Maxime Godano; G. Nolet; C. Zoroli	Determination of differential arrival times by cross-correlating worldwide seismological data	AGU Fall Meeting, San Francisco 2012
E. D. Mercerat; G. Nolet	On the linearity of cross-correlation delay times	AGU Fall Meeting, San Francisco 2012
M. Foundotos; G. Nolet	A 1D P wave velocity model under the pacific region using multiply reflected P waves	AGU Fall Meeting, San Francisco 2012
M. Obayashi; J. Yoshimitsu; G. Nolet; Y. Fukao; H. Shiobara; H. Sugioka; M. Kasahara; Y. Gao	Finite frequency tomography for the northwestern Pacific region	AGU Fall Meeting, San Francisco 2012
M. Marot; T. Monfret; M. H. Pardo; M. Gerbault; G. Ranalli; G. Nolet	Petrological modeling of the flat and steep subduction zone in Central Chile, based on seismological, thermo-mechanical and mineralogical data	AGU Fall Meeting, San Francisco 2012
2013		
A. Sukhovich, S. Bonnieux, Yann Hello , F. Simons and G. Nolet	First observations of teleseismic P-waves with autonomous underwater robots: towards future global network of mobile seismometers	EGU/Vienna 2013
M. Bonnin, G. Nolet, C. Thomas, A. Villasenor, J. Gallart, A. Levander	Tomography of the upper mantle beneath the African/Iberian collision zone	EGU/Vienna 2013
C. Joubert, Y. Hello, A. Oge, G. Nolet, A. Sukhovich, J.-F. Argentino	A new method for hydrophone calibration	EGU/Vienna 2013
D. Mikesell, G. Nolet, S. Voronin, J. Ritsema, H.-J. van Heijst	Finite-frequency global tomography of surface waves including mode coupling	EGU/Vienna 2013
Y. Hello, S. Bonnieux, A. Sukhovitch, G. Nolet	Multichannel seismic/weather/zoological monitoring of the oceans	EGU/Vienna 2013
G. Nolet, D. Mercerat, C. Zoroli	The devil's checkerboard: why cross-correlation delay times require finite-frequency interpretation	EGU/Vienna 2013
B. Schuberth, C. Zoroli, G. Nolet	Dispersion of seismic waves in isotropic elastic mantle heterogeneity	EGU/Vienna 2013
S. Voronin, J. Charlety, G. Nolet	Regularized solutions for very large linear systems from geotomography	EGU/Vienna 2013
M. Maror, T. Monfret, M. Gerbault, G. Nolet, G. Ranalli, M. Pardo	Flat vs. Normal subduction, Central Chile: insights from regional seismic tomography and rock type modeling	EGU/Vienna 2013
S. Voronin, J. Charlety, G. Nolet	Regularized solutions for very large linear systems from geotomography	SIAM, Padova
A. Sukhovich, S. Bonnieux, F.J. Simons, A. Oge, Y. Hello, G. Nolet	Mermaids: first observations of teleseismic P waves with freely floating submarine robots	IASPEI, Goteborg
Y. Hello, S. Bonnieux, C. Joubert, A. Sukhovich, J.-F. Argentino, G. Nolet	MultiMermaid: seismic/meteorological/zoological monitoring of the oceans	IASPEI, Goteborg
G. Nolet	Mermaids - a new global seismic network in the oceans	Workshop Roadmap for the Earth Sciences, Erice
G. Nolet	Earth imaging - where are we heading?	Workshop Roadmap for the Earth Sciences, Erice

G. Nolet	Adopt a Mermaid	NERA teacher workshop
G. Nolet	The inverse problem for seismic tomography	SMAI, Paris
F. Courboulex, G. Nolet, and 8 others	A global network for educational seismology ready to be used by everyone	AGU Fall Meeting, San Francisco 2013
M. Foundotos; G. Nolet	Travel time delays and slowness vector deviations interpretation of multiply reflected P waves	AGU Fall Meeting, San Francisco 2013
G. Nolet, A. Sukhovich, Y. Hello, S. Bonnieux, C. Joubert and F Simons	Mermaid: evaluation of its capabilities to observe P-waves in the oceans	AGU Fall Meeting, San Francisco 2013
Y. Hello, S. Bonnieux, C. Joubert, A. Sukhovich, J.F. Argentino, M. Yegikyan and G. Nolet	Multimermaid: A dedicated multichannel seismic/weather/zooological float for monitoring of the oceans	AGU Fall Meeting, San Francisco 2013
C. Joubert, G. Nolet, A. Sukhovich, A. Ogé, J.F. Argentino and Y. Hello	Hydophone calibration for Mermaid seismic network	AGU Fall Meeting, San Francisco 2013
S. Voronin, G. Nolet, D. Mikesell	New compression and regularisation techniques for large-scale tomographic inversion	AGU Fall Meeting, San Francisco 2013
2014		
G. Nolet	Observing P waves everywhere in the oceans	Bullard Labs, Cambridge
C. Petit, M. Corsini, M. Bonnin, B. Scalabrino, L. Le Pourhiet, G. Nolet, and A. Romagny	Crustal structure and gravity anomalies beneath the Rif, northern Morocco: implications for the current tectonics of the Alboran region	EGU/Vienna 2014
V. Monteiller, S. Beller, Guust Nolet, S. Operto, R. Brossier, L. Métivier, A. Paul, and J. Virieux	Some algorithmic issues in full-waveform inversion of teleseismic data for high-resolution lithospheric imaging	EGU/Vienna 2014
V. monteiller, S. Beller, G. Nolet, S. Operto, and J. Virieux	A 3D discontinuous Galerkin finite-element method for teleseismic modelling.	EGU/Vienna 2014
G. Nolet	Observing P waves everywhere in the oceans	Keck workshop on Venus
G. Nolet, A. Sukhovich, Y. Hello, S. Bonnieux, C. Joubert and F Simons	Moving seismic networks at sea	Caltech
G. Nolet, A. Sukhovich, Y. Hello, S. Bonnieux, C. Joubert and F Simons	Moving seismic networks at sea	IRIS workshop, Sunriver OR Inst of Geophysics, Munchen
G. Nolet	Observing P waves everywhere in the oceans	
G. Nolet	Imaging the Earth's interior: solving massive inverse systems	Dept of Astronomy, Nice
G. Nolet	Observing P waves (and much more) everywhere in the oceans	Princeton
G. Nolet, F.Simons	Observing P waves (and much more) everywhere in the oceans	AGU Fall Meeting, San Francisco 2014
Y. Hello, G. Nolet	Multimermaid for Mariscope: a dedicated acoustic float for monitoring the oceans	AGU Fall Meeting, San Francisco 2014
A. Pazmino, Y. Hello, G. Nolet	Three campaigns to image the earth's interior using Mermaids	AGU Fall Meeting, San Francisco 2014
B. Schubert, C. Zaro, G. Nolet	Traveltime Dispersion in an Isotropic Elastic Mantle: Dominance of the Lower Mantle Signal in Differential-frequency Time Residuals	AGU Fall Meeting, San Francisco 2014
2015		
B. Schubert, C. Zaro, and G. Nolet	Computing 3-D wavefields in mantle circulations models to test hypotheses on the origin of lower mantle heterogeneity under Africa directly against seismic observations	EGU/Vienna 2015
S. Beller, V. Monteiller, S. Operto, G. Nolet, and J. Virieux	A parametric analysis of lithospheric imaging by Full-Waveform Inversion of teleseismic body-waves	EGU/Vienna 2015
A. Sukhovich, J.O. Irsson, J. Perrot, and G. Nolet	Automatic signal discrimination using Decision Trees: An application to continuous records of moored hydrophones	EGU/Vienna 2015