

International papers

4 Septembre 2025 -----

NB : Les doctorants encadrés officiellement sont soulignés. Ceux avec qui j'ai simplement collaboré pendant leur doctorat sont en bleu.

- (1) **GARAMBOIS, S.**, DIETRICH, M., « Seismo-electric wave conversions in porous media: Field measurements and transfer function analysis », *Geophysics*, 2001, n° 66, pp. 1417-1430.
- (2) **GARAMBOIS, S.**, DIETRICH, M., 2002, « Full-waveform numerical simulations of seismo-electromagnetic wave conversions in fluid-saturated stratified porous media », *Journal of Geophysical Research*, 107, No B7.
- (3) PRIDE, S., **GARAMBOIS, S.**, 2002, « The role of Biot slow waves in electroseismic wave phenomena », *Journal of Acoustical Society of America*, 111, 697-706.
- (4) **GARAMBOIS, S.**, SENECHAL, P. & H. PERROUD, 2002, « On the use of combined geophysical methods to assess water content and water conductivity of near-surface », *Journal of Hydrology*, 259, pp 32-48.
- (5) LUTZ, P., **GARAMBOIS, S.**, & PERROUD, H., 2003, Influence of antenna configurations for GPR surveys: information from polarization and amplitude offset measurements, *Special Publication of the Geol. Soc. of London*, 211, pp 295-308.
- (6) NGUYEN, F., **GARAMBOIS, S.**, JONGMANS, D., PIRARD, E. & M. LOCKE, 2005, Image processing of 2D resistivity data to locate precisely faults, *Journal of Applied Geophysics*, 57, pp 260-277.
- (7) PRIDE, S. & **S. GARAMBOIS**, 2005, Electroseismic wave theory of Frenkel and more recent developments, *Journal of Engineering Mechanics*, pp 898-907.
- (8) MERIC, O., **GARAMBOIS S.**, JONGMANS D., VENGEON J.-M. & J.-L. CHATELAIN, 2005, Application of geophysical methods for the investigation of the large gravitational mass movement of Séchilienne (France), *Canadian Geotechnical Journal*, 42, pp 1105-1115.
- (9) REY, E., JONGMANS D., GOTTELAND, P. & **S. GARAMBOIS**, 2006, Characterization of heterogeneous soils using geoelectrical measurements, *Journal of Applied Geophysics*, 58, pp 188-201.
- (10) JEANNIN, M., **GARAMBOIS S.**, GREGOIRE C. & JONGMANS D., 2006, Multi-configuration GPR measurements for geometrical fracture characterization in limestone cliffs (Alps), *Geophysics*, 71, pp B85-B92.
- (11) BORDES C., JOUNIAUX, L., DIETRICH, M., POZZI J.-P. & **S. GARAMBOIS**, 2006, Laboratory measurements of seismo-magnetic conversions in fluid-filled sand, *Geophys. Res. Lett.*, VOL. 33, L01302, doi:10.1029/2005GL024582.
- (12) GUEGUEN, P., CORNOU, C., **GARAMBOIS, S.** and J. BANTON, 2007, On the limitation of the H/V spectral ratio using seismic noise as an exploration tool: Application to the Grenoble valley (France), a small apex ratio basin, *PAGEOPH*, 164(1), 115-134..
- (13) MERIC O., **GARAMBOIS S.**, MALET J.-P., CADET H., GUEGUEN P. & D. JONGMANS, 2007, Seismic-noise based methods for soft-rock landslides characterization, *Bull. Soc. géol. France*, 2007, n 2, pages 137-148.
- (14) JONGMANS D. & **S. GARAMBOIS**, 2007, Surface geophysical investigation and monitoring of landslides: a review, *Bull. Soc. géol. France*, n2, pages 101-112.

- (15) NGUYEN, F., **GARAMBOIS S.**, CHARDON, D., BELLIER O., HERMITTE D. & D. JONGMANS, 2007, Subsurface electrical imaging of anisotropic formations affected by a slow active reverse fault, Provence, France, *Near surface Geophysics*, 62, pages 338-353.
- (16) DEPARIS J., **GARAMBOIS S.** & D. HANTZ, 2007, On the potential of Ground Penetrating Radar to help rock fall hazard assessment of a limestone scale, *Engineering geology*, 94, 89-102.
- (17) BORDES C., JOUNIAUX L., **GARAMBOIS S.**, DIETRICH M., POZZI J.-P. & S. GAFFET, 2008, Evidence of the theoretically predicted seismo-magnetic conversion, *Geophysical Journal International*, doi: 10.1111/j.1365-246X.2008.03828.x.
- (18) DEPARIS, J. & **GARAMBOIS S.**, 2009, On the use of APVO GPR curves for thin-bed properties estimation : theory and application to fracture characterization, *Geophysics*, 74, 1, J1-J12.
- (19) HELMSTTETER A. & **S. GARAMBOIS**, 2010, Seismic activity of S  chilienne rockslide (french Alps) and its correlation with rainfalls, *Journal of Geophys. Res.*, VOL. 115, F03016, doi:10.1029/2009JF001532.
- (20) VINCENT C., **GARAMBOIS, S.**, E. THIBERT, E. LEF  BVRE, E. LE MEUR AND D. SIX, 2010, Origin of the outburst flood from Tete Rousse glacier in 1892 (Mont-Blanc area, France), *Journal of Glaciology*, Vol. 56, No. 198, pp. 688-698.
- (21) DEPARIS J. & **GARAMBOIS S.**, 2010, Inversion Methodology of Dispersive Amplitude and Phase versus Offset of GPR Curves (DAPVO) for Thin Beds Soc. Exp. Geo., [*Advances in Near-surface Seismology and Ground-penetrating Radar*](#), Edited by Richard D. Miller, John H. Bradford, and Klaus Holliger
- (22) SENECHAL, P., **GARAMBOIS S.** & BORDES C., 2010, Feasibility of acoustic imaging for in-situ characterization of fresh concrete injected into soil subsurface", *Journal of Applied Geophysics*, 2, 184–193.
- (23) TATARD, L., GRASSO, J.-R., HELMSTETTER, A., & **S. GARAMBOIS**, 2010, Characterization and comparison of landslide dynamics in different tectonic and climatic settings, *Journal of Geophys. Res.*, 115, F04040, doi: 10.1029/2009JF001624.
- (24) LEGCHENKO A., DESCLOITRES M., VINCENT C., GUYARD H., **GARAMBOIS S.**, CHALIKAKIS K. & M. EZERSKI, 3D Magnetic resonance imaging for Groundwater, 2012, *New Journal of Physics*, New Journal of Physics, 13, 025022, doi: 10.1088/1367-2630/13/2/025022.
- (25) DUPUY B., de BARROS L., **GARAMBOIS S.** & J. VIRIEUX, 2011, Wave propagation in heterogeneous porous media formulated in the frequency-space domain, *Geophysics*, vol. 76, n   4, N13-N28.
- (26) LEGCHENKO, A., CLEMENT, R., **GARAMBOIS, S.**, MAURY, M., MIC, L.-M., LAURENT, J.-P., DESPLANQUE C. & GUYARD H., 2011, Locating water storage of Luitel lake peat bog using MRS, ERT and GPR, *Near Surface Geophysics*, 2011, 9, 201-209.
- (27) GRANDJEAN G., GOURRY J.C., SANCHEZ O., BITRI A & **S. GARAMBOIS**, 2011, Structural study of the Ballandaz landslide (French Alps) using geophysical imagery, *Journal of Applied Geophysics*, 75, 531-542.
- (28) BEAUPRETRE S., **GARAMBOIS S.**, MANIGHETTI I., J. Malavieille, R. Langridge, G. S  n  chal, M. Chatton, T. Davies, C. Larroque, D. Rousset, N. Cotte, C. Romano, 2012, Finding the buried record of past earthquakes with GPR-based paleoseismology: a case study on the Hope fault, New Zealand, *Geophysical Journal international*, Vol. 189, issue 1, p. 73-100, doi: 10.1111/j.1365-246X.2012.05366.x .
- (29) VINCENT C., DESCLOITRES M., **GARAMBOIS S.**, LEGCHENKO A., GUYARD H., LEF  BVRE E. & A. GILBERT, 2012, A potential catastrophic subglacial lake outburst flood avoided in the Mont Blanc area, *Journal of Glaciology*, vol 58 (211), p. 866-878.
- (30) C. VINCENT, M. DESCLOITRES, S. **GARAMBOIS, S.** LEGCHENKO, H. GUYARD, E. THIBERT,

A.GILBERT, N. KARR et V. TAIRRAZ, 2012. Intraglacial water reservoir detected from a geophysical survey in 2010 and preventive measures to avoid a disaster. *Houille Blanche-Revue Internationale De l'Eau* (2), 34–41.

- (31) [WARDEN S.](#), **GARAMBOIS S.**, SAILHAC P., JOUNIAUX L. & M. BANO, 2012, Curvewavelet-based seismoelectric processing, *Geophysical Journal International*, Vol 190, issue 3, 1533-1550, DOI: 10.1111/j.1365-246X.2012.05587.x.
- (32) [ASNAASHARI A.](#), BROSSIER R., **GARAMBOIS S.**, AUDEBERT F., THORE P. & VIRIEUX J., 2013, Regularized seismic full waveform inversion with prior model information, *Geophysics*, Vol 78, No 2, R25-R36, DOI: 10.1190/GEO2012-0104.1.
- (33) [WARDEN S.](#), GARAMBOIS S., JOUNIAUX L. SAILHAC P., BRITO S. & C. BORDES, 2013, Seismoelectric numerical modeling in partially saturated conditions, *Geophys. J. Int*, Volume: 194 Issue: 3 Pages: 1498-1513 DOI: 10.1093/gji/ggt198.
- (34) [BEAUPRETRE S.](#), MANIGHETTI I., **GARAMBOIS S.**, MALAVIELLE J., & S. DOMINGUEZ, 2013, Stratigraphic architecture and fault offsets of alluvial terraces at Te Marua, Wellington fault, New Zealand, revealed by pseudo-3D GPR investigation, *Journal of Geophys. Res. - Solid Earth*, Volume: 118 Issue: 8 Pages: 4564-4585 DOI: 10.1002/jgrb.50317.
- (35) [LAVOUE F.](#), BROSSIER R., METIVIER L. **GARAMBOIS S.** & J. VIRIEUX , 2014, 2D Permittivity and conductivity imaging by Full waveform inversion of multi-offset data : a frequency-domain quasi-Newton approach, *Geophysical Journal International*, Volume: 197 Issue: 1 Pages: 248-268.
- (36) LEGCHENKO A., C. VINCENT, J.M. BALTASSAT, J.F. GIRARD, E. THIBERT, O. GAGLIARDINI, M. DESCLOITRES, A. GILBERT, **S. GARAMBOIS**, A. CHEVALIER, and H. GUYARD, 2014, Monitoring water accumulation in a glacier using magnetic resonance imaging, *CRYOSPHERE* Volume: 8 Issue: 1 Pages: 155-166.
- (37) CAPPA F., GUGLIELMI Y., VISEUR S. & **S. GARAMBOIS**, 2014, Deep fluids can facilitate rupture of slow-moving giant landslides as a result of stress transfer and frictional weakening, *Geophysical Research Letters*, Volume: 41 Issue: 1 Pages: 61-66.
- (38) GUEDRON S., TISSERAND D., **GARAMBOIS S.**, SPADINI L., MOLTON F., BOUNVILAYAND B., CHARLET L. and D.POLYA, 2014, Baseline investigation of (methyl)mercury in waters, soils, sediments and key foodstuffs in the Lower Mekong Basin: The rapidly developing city of Vientiane (Lao PDR), *JOURNAL OF GEOCHEMICAL EXPLORATION* Volume: 143 Pages: 96-102.
- (39) LE MEUR E., SACCHETTINI, M., **GARAMBOIS, S.**, BERTHIER, E., DROUET, A. S., DURAND, G., YOUNG, D., GREENBAUM, J. S., 2014, Two independent methods for mapping the grounding line of an outlet glacier; example from the Astrolabe Glacier, Terre Adelie, Antarctica, *The Cryosphere*, 8, 1331–1346, 2014.
- (40) [ASNAASHARI A.](#), BROSSIER R., **GARAMBOIS S.**, AUDEBERT F., THORE P. & VIRIEUX J., 2015, Time-lapse seismic imaging using regularized FWI with prior model: which strategy?, *Geophysical prospecting*. doi: 10.1111/1365-2478.12176.
- (41) ZYSERMAN F., L. JOUNIAUX, S. WARDEN, **S. GARAMBOIS**, 2015, Borehole seismoelectric logging using a shear-wave source: Possible 1 application to CO2 disposal?, *International Journal of Greenhouse Gas Control* 33 (2015) 89–102.
- (42) [LAVOUE F.](#), R. BROSSIER, L. METIVIER, **S. GARAMBOIS**, J. VIRIEUX, 2015, Frequency-domain modelling and inversion of electromagnetic data for 2D permittivity and conductivity imaging: An application to the Institut Fresnel experimental dataset, *Near Surface Geophysics*, Volume 13, Number 3, 10.3997/1873-0604.2015004.

- (43) LAROSE E., S. CARRIÈRE, C. VOISIN, P. BOTTELIN, L. BAILLET, P. GUÉGUEN, F. WALTER, D. JONGMANS, B. GUILLIER, **S. GARAMBOIS**, F. GIMBERT, C. MASSEY, 2015, Environmental Seismology : what can we learn on Earth surface processes with ambient noise ?, *Journal of Applied Geophysics*, Volume: 116, Pages: 62-74.
- (44) VINCENT C., E. THIBERT, O. GAGLIARDINI, A. LEGCHENKO, A. GILBERT, **S. GARAMBOIS**, T. CONDOM, J.M. BALTASSAT AND J. F. GIRARD, 2015, Analysis of the subglacial cavity in Tête Rousse glacier, *Journal of Glaciology*, 61(228), 609–623. doi: 10.3189/2015JoG14J238.
- (45) MANIGHETTI I., PERRIN C., DOMINGUEZ S., **GARAMBOIS S.**, DELOR E., GAUDEMER Y., VITARD C., BEAUPRÊTRE S., AND MALAVIEILLE J., 2015, Examining the potential of the morphology to record pre-historical earthquake slips in a high alluvial dynamics context; insight from LiDAR data analysis of Eastern Hope fault, New Zealand, *Journal of Geophysical Research*, 120, doi:10.1002/2014JB011787.
- (46) **GARAMBOIS S.**, A. LEGCHENKO, C. VINCENT & E. THIBERT, 2016, Ground Penetrating Radar and Surface Nuclear Magnetic resonance monitoring of an englacial water-filled cavity in the polythermal glacier of Tête Rousse, *Geophysics*, Vol. 81, N° 1, WA131-WA146.
- (47) DUPUY B., ASNAASHARI A., BROSSIER R., **GARAMBOIS S.**, METIVIER L., RIBODETTI A & J. VIRIEUX, 2016, A downscaling strategy from FWI to microscale reservoir properties from high-resolution images, *The leading Edge*, Vol. 35, Issue 2, 146-150.
- (48) DUPUY B., **GARAMBOIS S.**, VIRIEUX J., 2016, Estimation of rock physics properties from seismic visco-elastic attributes. Part I: Strategy and sensitivity analysis, *Geophysics*, May-June 2016, Vol. 81, No. 3: pp. M35-M53, (doi: 10.1190/geo2015-0239.1).
- (49) DUPUY B., **GARAMBOIS S.**, ASNASHAARI A., BALHARET H., LANDRO M, STOVAS A. & J. VIRIEUX, 2016, Estimation of rock physics properties from seismic attributes. Part II: applications", *Geophysics*, Vol. 81, No. 4, pp. M55-M69
- (50) VOISIN C., **GARAMBOIS S.**, MASSEY C. & R. BROSSIER, 2016, Environmental seismology: water table monitoring by ambient seismic noise, *SEG Interpretation*, Vol. 4, No. 3 (August 2016); p. SJ67–SJ76.
- (51) GUEGUEN P., LANGLAIS M., **GARAMBOIS S.**, VOISIN C., DOUSTE-BACQUET., 2016, Soil-structure interaction variations observed during an extreme cold period thanks to the permanent instrumentation of Grenoble's city hall (France), *Bulletin of Earthquake Engineering*, doi:10.1007/s10518-016-9995-3.
- (52) SERLENGA V., DE LORENZO S., RUSSO G., AMOROSO O., VIRIEUX J., **GARAMBOIS S.** & A. ZOLLO, 2016, A three dimensional Qp imaging of the shallowest subsurface of Campi Flegrei offshore caldera, southern Italy, *Geophys. Res. Lett.*, 43, 11,209–11,218, doi:10.1002/2016GL071140.
- (53) MATONTI C., GUGLIELMI Y., VISEUR S., **S. GARAMBOIS** & L. MARIE, 2017, P-wave velocity anisotropy related to sealed fractures reactivation tracing the structural diagenesis in carbonates, *Tectonophysics*, Vol. 705, p. 80-92.
- (54) AMOROSO O., RUSSO G., de LANDRO G., ZOLLO A., **GARAMBOIS S.**, MAZZOLI S., PARENTE M. & J. VIRIEUX, 2017, Three-dimensional attenuation imaging of an active fault zone: inferences on the fluid storage and earthquake related processes, *Geophys. Res. Lett.*, Volume : 44 Issue : 13 Pages : 6752-6760.
- (55) Van PHAN T.H., BONNET T., **GARAMBOIS S.**, TISSERAND D., BARDELLI F., Rizlan BERNIER-LATMANI R., CHARLET L., Arsenic release in sediment Mekong Delta aquifer, Vietnam : the interplay between surface sedimentology and aquifer anoxic, *Geosciences Research*, VL - 2 DO - 10.22606/gr.2017.23004.
- (56) VOISIN C, ROMERO-GUZMAN A., RÉFLOCH A., TARUSELLI M. & **S. GARAMBOIS**, 2017, Ground water monitoring with passive seismic interferometry, *Journal of Water Resources and Protection*, Vol. 9, n° 12, pp. 1414-1427.
- (57) ROUX P., HILLERS G., BINDI D., BOXBERGER T., COLOMBI A., COTTON F., DOUSTE-BACQUE I., **GARAMBOIS S.**, GUEGUEN P., HOLLIS D., LECOCQ T. & I. PONDAVEN, 2018, A new trend toward

seismic metamaterials: the METAFORÉ project, *Seismological Res. Lett.*, Vol.89, 582-593.
<https://doi.org/10.1785/0220170196>.

- (58) AMORESE, D., GRASSO J.-R., **GARAMBOIS S.** & M. FONT, 2018, Change-point analysis of geophysical time series: application to landslide displacement rate (Séchilienne rock avalanche, France), *Geophysical Journal International*, Vol. 213, 1231-1243, <https://doi.org/10.1093/gji/ggy060>.
- (59) **DEVI M. S.**, **GARAMBOIS S.**, BRITO D., DIETRICH M., POYDENOT V. & C. BORDES, 2018, A novel approach for seismoelectric measurements using multielectrode arrangements: II- Laboratory measurements, *Geophysical Journal International*, Volume 214, Issue 3, 1 July 2018, Pages 1783–1799, <https://doi.org/10.1093/gji/ggy251>.
- (60) DIETRICH M., **DEVI M. S.**, **GARAMBOIS S.**, BRITO D. & C. BORDES, 2018, A novel approach for seismoelectric measurements using multi-electrode arrangements: I – Theory and numerical experiments, *Geophysical Journal International*, ggy269, <https://doi.org/10.1093/gji/ggy269>.
- (61) **BENJELLOUN Y.**, DE SIGOYER J., DESSALES H., **GARAMBOIS S.** & M. SAHIN, 2018, Construction history of the aqueduct of Nicaea (Iznik, NW Turkey) and its on-fault deformation viewed from archaeological and geophysical investigations, *Journal of Archeological Sciences : Reports*, 21, p. 289-400, <https://doi.org/10.1016/j.jasrep.2018.08.010>.
- (62) **POUSSE-BELTRAN L.**, VASSALO R., AUDEMARD F., JOUANNE F., OROPEZA J., **GARAMBOIS S.** & J. ARRAY, 2018, Earthquake geology of the last millennium along the Boconó Fault, Venezuela, *Tectonophysics*, vol. 747-748, p. 40-53, <https://doi.org/10.1016/j.tecto.2018.09.010>.
- (63) **GARAMBOIS S.**, VOISIN C., GUZMAN ROMERO A., BRITO D. & B. GUILLER, 2019, Analysis of ballistic waves in seismic noise monitoring of water table variations in a water field site: added value from numerical modelling to data understanding, *Geophys. J. Int.*, Volume 219, Issue 3, December 2019, Pages 1636–1647, <https://doi.org/10.1093/gji/ggz391>.
- (64) LOTT M., ROUX P., **GARAMBOIS S.**, GUEGUEN P. & A. COLOMBI, 2020, Evidence of metamaterial physics at the geophysics SCALE: the meta-foret experiment, *Geophys. J. Int.*, Volume 220, Issue 2, February 2020, Pages 1330–1339, <https://doi.org/10.1093/gji/ggz528>.
- (65) MORDRET A., COURBIS R., BRENGUIER F., CHMIEL M., **GARAMBOIS S.**, MAO S., BOUE P., CAMP-MAN X., LECOCQ T., VAN DER VEEN W. and D. HOLLIS, 2020, Noise-based Ballistic Wave Passive Seismic Monitoring - Part 2: Surface Waves, Volume 221, Issue 1, April 2020, Pages 692–705, <https://doi.org/10.1093/gji/ggaa016>.
- (66) MANIGHETTI I., PERRIN C., GAUDEMER Y., DOMINGUEZ S., STEWART N., MALAVIEILLE J. and **S. GARAMBOIS**, 2020, Lidar-based paleoseismology reveals Wairarapa fault repeatedly produced giant earthquakes, *Scientific Report, Nature*, | <https://doi.org/10.1038/s41598-020-59229-3>.
- (67) **GUILLEMOT A.**, HELMSTETTER A., LAROSE E., BAILLET L., **GARAMBOIS S.**, MAYORAZ R. & R. DELAHOYE, 2020, Seismic monitoring of the Gugla rock glacier (Switzerland): observations and modelling, *Geophys. J. Int.*, <https://doi.org/10.1093/gji/ggaa097>.
- (68) ALLROGGEN N., **GARAMBOIS S.**, SENECHAL G., ROUSSET D. & J. TRONICKE, 2020, Reflection processing of crosshole GPR data : Applications in near surface settings, *Geophysics*, 85: H61-H69, <https://doi.org/10.1190/geo2019-0558.1>.
- (69) MOREAU L., BOUÉ P., SERRIPIERRI A., WEISSE J., HOLLIS D., PONDAVEN I., VIAL B., **GARAMBOIS S.**, LAROSE E., HELMSTETTER A., STEHLY L., HILLERS G. AND O. GILBERT, 2020, Analysis of multi-mode guided wave propagation measured in sea-ice with a passive seismic array, *Journal of Geophys. Res. - Oceans*, Vol. 125, Issue4, <https://doi.org/10.1029/2019JC015709>.
- (70) **SALCEDO M.**, **GARAMBOIS S.**, LE BOUTEILLER P., LI Y. & J. VIRIEUX, 2020, Matrix-free crosshole tomography in VTI media : parametrization analysis and GPR applications in carbonates, *Near surface Geophysics*, Vol. 18, N. 6, Pages 697-712, DOI: 10.1002/nsg.12116.

- (71) **GUILLEMOT A.**, BAILLET L., **GARAMBOIS S.**, BODIN X., A. HELMSTETTER & LAROSE E., 2021, Modal sensitivity of rock glaciers to elastic changes from spectral seismic noise monitoring and modeling, *The Cryosphere*, 15, 501–529, 2021, <https://doi.org/10.5194/tc-15-501-2021>.
- (72) **DURANEL A.**, THOMPSON, J. R., BURNINGHAM, H., DUREPAIRE, P., **GARAMBOIS S.**, WYNS, R. & CUBIZOLLE, H., 2021, Modelling the hydrological interactions between a fissured granite aquifer and a valley mire in the Massif Central, France, *Hydrol. Earth Syst. Sci.*, 25, 291–319, 2021, <https://doi.org/10.5194/hess-25-291-2021>.
- (73) GIMBERT, F., **U. NANNI**, P. ROUX, A. HELMSTETTER, **S. GARAMBOIS**, A. LECOINTRE, A., WALPERSDORF, B. JOURDAIN, M. LANGLAIS, O. LAARMAN, F. LINDNER, A. SERGEANT, C. VINCENT, & F. WALTER, 2021, A Multi-Physics Experiment with a Temporary Dense Seismic Array on the Argentière Glacier, French Alps: The RESOLVE Project, *Seismological Research Letters* 2021; <https://doi.org/10.1785/0220200280>.
- (74) **BENJELLOUN Y.**, de SIGOYER J., **GARAMBOIS S.**, CARCAILLET J. & Y. KLINGER Y., 2021, Segmentation and Holocene Behavior of the Middle Strand of the North Anatolian Fault (NW Turkey), *Tectonics*, Vol. 40, Issue 11, DOI: 10.1029/2021TC006870.
- (75) **SHEN C.**, BRITO D., DIAZ J., SANJUAN F., BORDES C. & **GARAMBOIS S.**, 2022, Pulsed-laser source characterization in laboratory seismic experiments, *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, Vol. 8, Issue 1, DOI: 10.1007/s40948-021-00315-9.
- (76) **GAUBERT-BASTIDE T.**, **GARAMBOIS S.**, BORDES C., VOISIN C., OXARANGO L., BRITO D. & P. ROUX, 2022, High-Resolution Monitoring of Controlled Water Table Variations From Dense Seismic-Noise Acquisitions, *Water Resources Research*, 58, e2021WR030680. <https://doi.org/10.1029/2021WR030680>.
- (77) **GOMES V. M.**, BRITO D., **GARAMBOIS S.**, DIETRICH M., BORDES C. & H. BARUCQ, 2023, Seismoelectric wave conversions at an interface: a quantitative comparison between laboratory data and full-waveform modelling, *Geophysical Journal International*, Vol. 235, Issue 3, December, p. 2992-3011, <https://doi.org/10.1093/gji/ggad409>.
- (78) BIEVRE G. & **S. GARAMBOIS**, 2023, Characterization of a small abandoned municipal solid waste scattered landfill combining remote sensing and near-surface geophysical investigations, *Journal of Environmental and Engineering Geophysics*, Vol. 28, Issue 4, p. 155-168.
- (79) GUILLEMOT A., BONTEMPS N., LAROSE E., TEODOR D., FALLER S., BAILLET L., **GARAMBOIS S.**, THIBERT E., GAGLIARDINI O. & C. VINCENT, 2024, Investigating subglacial water-filled cavities by spectral analysis of ambient seismic noise : results on the polythermal Tête Rousse glacier (Mont Blanc, France), *Geophys. Res. Lett.*, Vol. 41, Issue 4.
- (80) **MIKHAEL N. M.**, POLI P. & **S. GARAMBOIS**, 2024, Non-linear seismic velocity variations observed during a seismic swarm in the Alto Tiberina low angle normal fault from ambient noise correlation measurements, *Journal of Geophysical Research: Solid Earth*, 129, e2023JB028232. <https://doi.org/10.1029/2023JB028232>.
- (81) **GLÜCK E.**, **GARAMBOIS S.**, VANDEMEULEBROUCK J., MUZELLEC T., VIRIEUX J., MORTENSEN A. K., GUDNASON E., ÁGÚSTSDÓTTIR T., 2024, Seismicity patterns and multi-scale imaging of Krafla, N-E Iceland, with local earthquake tomography, *Journal of Geophysical Research: Solid Earth*, 130, e2024JB030425. <https://doi.org/10.1029/2024JB030425>
- (82) METIVIER L., BIEVRE G., BROSSIER R., CAO J., **GARAMBOIS S.**, NOUIBAT A., PROVENZANO G & A. TARAYOUN, 2025, Elastic Full-waveform inversion of ambient noise, *The Leading Edge*, <https://doi.org/10.1190/tle44050373a1.1>.
- (83) DUPUY B., GRØVER A., **GARAMBOIS S.**, TOBIESEN A., LORAND P., DAHLE H., SALAZAR S., FRAUENFELDER R., EMMEL B., EINBU A. & T. HUMSTAD, 2026, UAV-BORNE GPR for snowpack characterization; potential, limitations and operational guidelines, *Cold Regions Science and Technology*, Vol. 241, p.104641.
- (84) **GAUBERT-BASTIDE T.**, BORDES C., **GARAMBOIS S.**, COLLET O., BRITO D. & C. VOISIN, 2025, Monitoring water saturation variations from seismic noise data: a controlled laboratory experiment, *J. of Geophys. Res.*, in press. DOI: 10.1029/2025JB032294.

- (85) PROVENZANO G., BIEVRE G., BROSSIER R., **GARAMBOIS S.** & METIVIER L., 2025, 3D imaging of the Harmalière alpine landslide by interferometry and wave-equation tomography, *Geophys. J. Int.*, in press.
- (86) HELMSTETTER A., **GARAMBOIS S.**, THIBERT E. & O. GAGLIARDINI, 2025, Hydraulic tremor detected by a dense seismic array at Tête Rousse glacier, Mont-Blanc massif, JGR – Earth Surface, accepted with minor revisions, June 2025.
- (87) YAO Y., DONZÉ F.-V., PERSEM M., TRUCHE L., MUCEKU B., **GARAMBOIS S.**, VUJEVIC I., LEFEUVRE N. & E. GOSKOLLI, 2025, Probing the Thickness of Ophiolites through Magnetotelluric Survey to Constrain Hydrogen Origin at Bulqizë, accepted with minor revisions.
- (88) TORRES J.-L., BYRDINA S., ROMERO-BELTRAN G., **GARAMBOIS S.**, RATH V., RIVERA M., ANTAYHUA Y., BURGISSER A., MACHACCA R., MILLA M., TAVERA H. & P. HERING, 2025, Magma storage below Sabancaya volcano (Southern Peru) imaged by broad band magnetotellurics, *J. of Geophys. Res., Solid Earth*, accepted with major revisions.
- (89) MARTINS-GOMES V., BRITO D., **GARAMBOIS S.**, DIETRICH M., BORDES C. & H. BARUCQ, 2025, Effect of layer thickness and fluid conductivity on seismoelectric signals through experiments and numerical simulations, *GJI*, accepted with moderate revisions.
-
- (90) [BELLOUNIS L.](#), BOULIGAND C., BROSSIER R., METIVIER L. & **S. GARAMBOIS**, 2025, Forward modelling of gravity and magnetic data in the presence of topography using a numerical integration scheme with deformable elements, *Geophys. J. Int.*, submitted, August.
- (91) GUPTA A., COHARD J.-M., REVERDY A., BIRON R., COULAUD C., DEBIS H., DESCLOITRES M., DUMONT T., **GARAMBOIS S.**, HECTOR B., VANDERVAERE J.-P. & D. VOISIN, 2025, Balancing Subsurface Complexity and Model Simplicity: How Much Spatially Distributed Field Data Is Needed to Simulate Streamflow in a Subalpine Critical Zone, submitted to *Water Resource Research*, July.
- (92) [GLÜCK E.](#), DAVOLI R., **GARAMBOIS S.**, VANDEMEULEBROUCK J., BETTINA S., MORTENSEN A. K., GUDNASON E. A., ÁGÚSTSDÓTTIR T., LAVALLEE Y., Effects of anthropogenic activity on the seismicity patterns and on the stress field of the Krafla caldera (Iceland), to be submitted to *Nature communications*, August.
- (93) SHEN C., BRITO D., DIAZ J., VIRIEUX, J., **GARAMBOIS S.** & C. BORDES, 2025, High-resolution seismic tomography on a carbonate core, submitted to *GJI*.
-
- (94) FONDRIEST M., MITCHELL T., VASSALO M., **GARAMBOIS S.**, DI GIULIO G., BALSAMO F., PISCHIUTTA M. & M.-L. DOAN, 2025, The heterogeneous near-surface velocity structure of a carbonate-hosted seismogenic fault zone and its dependence on the investigated length scale, *Journal of Geophysical Research: Solid Earth*, submitted, January 2025.
-