

PUBLICATIONS RESIF-RLBP DEPUIS 2009

Publications sur Résif et à partir des données Résif

RESIF-RLBP PUBLICATIONS SINCE 2009

Publications on Resif and from Resif data

Août 2021 / August 2021

Avertissement : De nombreuses publications ne mentionnent pas directement ou clairement l'origine des données utilisées (notamment lorsque ces données proviennent de bases de données agrégatives). Il est donc impossible d'établir une liste exhaustive des publications basées sur les ressources Résif. La liste qui suit offre cependant un aperçu du large éventail des travaux de recherche scientifiques rendues possibles par Résif. Outre les articles de revues, elle inclut les documents de type : thèse, carte, ouvrage et chapitre d'ouvrage, communications à des congrès. Elle comporte 91 publications et court de 2009 au 16 août 2021.

Warning : Many publications do not directly or clearly mention the origin of the data used (especially when these data come from aggregated databases). It is therefore impossible to draw up an exhaustive list of publications based on Resif resources. However, the following list provides an overview of the wide range of scientific research made possible by Resif. In addition to journal articles, it includes documents such as thesis, maps, books and book chapters, and conference papers. It includes 91 publications and covers the period from 2009 to August 16, 2021.

- Articles / Articles : p.2
- Communication à des congrès / communication at a conference : p.5
- Ouvrages, post-doc et thèses / Books, post-doc and thesis : p. 6

1. Amorèse D, Benjumea J, Cara M (2020). Source parameters of the 1926 and 1927 Jersey earthquakes from historical, instrumental, and macroseismic data. *Physics of the Earth and Planetary Interiors*, 300 pp. 106420 - DOI: 10.1016/j.pepi.2019.106420.
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4. Beaucé E, Frank WB, Paul A, Campillo M, Van der Hilst RD (2019). Systematic detection of clustered seismicity beneath the South-Western Alps. *Journal of Geophysical Research - Solid Earth*, 124 (11) pp. 11531-11548 - DOI: 10.1029/2019JB018110
5. Beucler E, Mocquet A, Schimmel M, Chevrot S, Quillard O, Vergne J, Sylvander M (2015). Observation of deep water microseisms in the North Atlantic Ocean using tide modulations. *Geophysical Research Letters*, 42 (11) pp. 316-322 - DOI: 10.1002/2014GL062347
6. Bonnini M, Chevrot S, Gaudot I, Haugmard M, PyrOPE working group (2017). Upper mantle deformation beneath the Pyrenean domain inferred from SKS splitting in northern Spain, southern and western France. *Geophysical Journal International*, 210 (2) pp. 898–910 - DOI: 10.1093/gji/ggx193
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10. Del Gaudio S, Hok S, Festa G, Causse M, Lancieri M (2018). Near-Fault Broadband Ground Motion Simulations Using Empirical Green's Functions: Application to the Upper Rhine Graben (France–Germany) Case Study. *Pure and Applied Geophysics*, 1174 (2) pp. - DOI: 10.1007/s00024-017-1575-1
11. Dessa JX, Beslier MO, Schenini L, Chamot-Rooke N, Corradi N, Delescluse M, Déverchère J, et al (2020). Seismic Exploration of the Deep Structure and Seismogenic Faults in the Ligurian Sea by Joint Multi Channel and Ocean Bottom Seismic Acquisitions: Preliminary Results of the SEFASILS Cruise. *Geosciences*, 10 (3) pp. 108 - DOI: 10.3390/geosciences10030108
12. Diehl T, Deichmann N, Clinton J, Husen S, Kraft T, Plenkens K, Edwards B, Cauzzi C, Michel C, Kästli P, Wiemer S, Haslinger F, Fäh D, Kradošer U, Woessner J (2013). Earthquakes in Switzerland and Surrounding Regions during 2012. *Swiss Journal of Geosciences*, 106 pp. 543-558 - DOI: 10.1007/s00015-013-0154-4
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16. Govoni A, Bonatto L, Capello M, Cavaliere A, Chiarabba C, D'Alema E, Mazza S, Mazzarini F, Monna S, Moretti M, Nardi A, Piccinini D, Piromallo C, Pondrelli S, Salimbeni S, Serpelloni E, Solarino S, Vallocchia M, Santulin M, AlpArray Working Group (2017). AlpArray-Italy : Site description and noise characterization. *Advances in Geosciences*, 43 pp. 39-52 - DOI: 10.5194/adgeo-43-39-2017

17. Gueguen P, Janex G, Nomade J, Langlais M, Helmstetter A, Coutant O, Schwartz S, Dollet C (2021). Unprecedented seismic swarm in the Maurienne valley (2017–2019) observed by the SISmalp Alpine seismic network: operational monitoring and management. *Comptes Rendus Geoscience*, 353 (supp 1) pp. - DOI: 10.5802/crgeos.70
18. Guerin G, Rivet D, Deschamps A, Larroque C, Mordret A, Dessa JX, Martin X (2020). High resolution ambient noise tomography of the Southwestern Alps and the Ligurian margin. *Geophysical Journal International*, 220 (2) pp. 806-820 - DOI: 10.1093/gji/ggz477
19. Guillemot A, Baillet L, Garambois S, Bodin X, Helmstetter A, Mayoraz R, Larose E (2020). Modal Sensitivity of Rock Glaciers to Elastic Changes from Spectral Seismic Noise Monitoring and Modeling. *The Cryosphere Discussions*, pp. 1–40 - DOI: 10.5194/tc-2020-195
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21. Hinzen KG, (2019). Engineering Seismological Parameters of Two ML 4.3 Intraplate Earthquakes in the Northern Rhine Area, Germany. *Seismological Research Letters*, 90 (3) pp. 1258–67 - DOI: 10.1785/0220180265
22. Kästle ED, El-Sharkawy A, Boschi L, Meier T, Rosenberg C, Bellahsen N, Cristiano L, Weidle C (2018). Surface Wave Tomography of the Alps Using Ambient-Noise and Earthquake Phase Velocity Measurements. *Journal of Geophysical Research - Solid Earth*, 123 (2) pp. 1770–1792 - DOI: 10.1002/2017JB014698
23. Kolinsky P, Bokelmann G, the AlpArray Working Group (2019). Arrival angles of teleseismic fundamental mode Rayleigh waves across the AlpArray. *Geophysical Journal International*, 218 pp. 115-144 - DOI: 10.1093/gji/ggz081
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Communications / Posters

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62. Delouis B, Maron C, Ambrois D, Rivet D, Brunel D, Peix F, Chèze J: Martin X (2019). Activités de l'observatoire sismologique de Géoazur-OCA depuis les journées Résif 2018. (MEETING) Rencontres scientifiques et techniques RESIF 2019, Poster.
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67. Langlais M, Vial B, Stehly L, Aubert C (2019). Avancement du projet Résif-CLB à ISTerre. (MEETING) Rencontres scientifiques et techniques RESIF 2019, Poster.
68. Pedersen H, (2009). RESIF-EPOS; a French integrated antenna for the observation of Earth deformation. (MEETING) EGU Geophysical Research Abstracts, 11 pp. abstract id. U41D-03.
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71. Tiberi C, Baudin S, Gautier S, Le Moigne N (2019). Stations RLBP opérées par l'Oreome pour Résif : bilan et perspectives. (MEETING) Rencontres scientifiques et techniques RESIF 2019, Poster.
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75. Vergne J, Charade O, Docquier P, Arnold B (2013). Prototype de stations large bande en milieu ouvert pour le projet RESIF-CLB. (MEETING) Rencontres scientifiques et techniques RESIF.
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Ouvrages

77. Grappin C, Humler E (2019). Quand La Terre Tremble. Séismes et Éruptions Volcaniques et Glissements de Terrain En France. CNRS Edition, pp. - DOI: EAN : 9782271124678

Post-doc

78. Castro A, funded by EDF (ongoing). quantification des incertitudes de localisation des séismes.
79. Lehujeur M, funded by CEA (ongoing). Machine learning for automatic events detection and picking.

Thèses

80. Beller S, Supervisor : S Operto (2017). Imagerie lithosphérique par inversion de formes d'ondes télésismiques – Application aux Alpes Occidentales.
81. Biswas R, funded by EDF (2021 ongoing). An attenuation model for occidental europe with a focus on France.
82. Boschetti L, Supervisor : E Tric (2020). Le risque de tsunami dans les Alpes-Maritimes, quelles réalités ? Quelles méthodes d'analyses de l'aléa et de la vulnérabilité ?
83. Brives J, Supervisors : A Paul (IsTerre), L Stehly (IsTerre), P Boué (IsTerre) (2020). Tomographie des Pyrénées à partir de corrélations de coda de corrélation.
84. Hannouz E, Supervisors : A Walsperdorf, C Sue (ongoing). Relations structurales et cinématiques actuelles entre l'arc externe des Alpes Occidentales et la vallée du Rhône.
85. Heller G, Supervisors: L Margerin (IRAP), O Sèbe (CEA), M Calvet (IRAP) (2020). Estimation de la magnitude des petits séismes à partir de l'analyse de la coda sismique.

86. Lorenzo GWF, Supervisor : A Deschamps (2016). From accelerometric records to the dynamic behavior of existing buildings.
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88. Nouibat A, Supervisors : R Brossier, L Stehly, A Paul (2022 ongoing). Contribution à l'élaboration d'un modèle géologique 3D crustal des Alpes occidentales et leurs bassins périphériques: tomographie sismique par inversion de formes ondes complètes.
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90. Soergel D, Supervisors : H Pedersen (2021). Extension des méthodes d'imagerie par corrélation de bruit sismique : atténuation et anisotropie sous AlpArray.
91. Zhang H, (2018). Multi-segment, Frequency-Dependent Rupture of the 2011 Mw 9.0 Tohoku Earthquake - Chapter : Imaging the Rupture Processes of Earthquakes Using the Relative Back-Projection Method., pp. - DOI: 10.1007/978-3-662-55239-1_5