

Abstracts at international meetings - Scientific staff residing in observatories
Observatoires Volcanologiques et Sismologiques (OVSM+OVPF+OVSG) (IPGP)
Service National d'observations en volcanologie

2012-2017

2017 (20)

1. **Bonifacie M**, Bardoux G, **Robert V**, **Dessert C**, Moune S, Agrinier P & Joseph E. (2017) Halogen Concentrations and Chlorine Isotope Compositions along the Lesser Antilles Arc Recorded in Thermal Springs
2. Chen, Y, D. Remy, J.L. Froger, **A. Peltier**, **N. Villeneuve**, J. Darroze, H. Perfettini, S. Bonvalot (2017), Long term ground displacement (2007-2014) observed by InSAR and GNSS at Piton de la Fournaise. ID:51, Fringe 2017, Helsinki
3. **Clouard V.**, Gonzalez Matos, O., and J. Zahradník, Moment tensor solutions along the Central Lesser Antilles using regional broadband stations, VII Convención Cubana de Ciencias de la Tierra, GEOCIENCIAS 2017, La Havana (Cuba), 3-7 Abril 2017.
4. Coppola, D., **A. DiMuro**, **A. Peltier**, **N. Villeneuve**, **V. Ferrazzini**, M. Favalli, P. Bachèlery, L. Gurioli, A. J. L. Harris, S. Moune, I. Vlastélic, B. Galle, S. Arellano, A. Aiuppa (2017), Shallow system rejuvenation and magma discharge trends at Piton de la Fournaise volcano (La Réunion Island). Geophysical Research Abstracts, vol. 19, Abstract EGU2017-10153, Vienna, EGU2017
5. **Dessert C**, Clergue C, Rousteau A & Benedetti M. (2017). Sr and Nd Constraints on Geochemical Processes in Highly Weathered Volcanic Catchment, Guadeloupe (FWI)
6. Durand, V., A. Mangeney, C. Hibert, **A. Peltier**, **P. Kowalski**, **F. Lauret**, **C. Brunet**, **V. Ferrazzini**, K. Wegner, F. Haas, N. Villeneuve (2017), Volume estimation of rockfalls in the Dolomieu crater of Piton de la Fournaise volcano, La Réunion: Is there a link between eruptions and rockfalls? Geophysical Research Abstracts, vol. 19, Abstract EGU2017-9253, Vienna, EGU 2017
7. Fries D, James R, **Dessert C** & Bouchez J. (2017) Response of Weathering Processes to Rain Events in a Highly-Weathered Catchment (Guadeloupe, France): Insights from Li Isotopes
8. Froger, J.L., V. Cayol, M. Tridon, M.G. Bato, D. Remy, Y. Chen, D. Smittarello, V. Pinel, J.M. Prival, **N. Villeneuve**, **A. Peltier**, A. Augier, S. Rivet, Y. Guehenneux (2017), Indian Ocean InSAR Observatory (OI2) - Routine Interferometric Monitoring of a Volcanic Island, the Piton de la Fournaise. ID:41, Fringe 2017, Helsinki.
9. Gaspard F, Opfergelt S, Ameijeiras-Marino Y, **Dessert C**, Derry L & Delmelle P. (2017) Germanium/silicon Ratio to Trace Weathering and Hydrothermal Contribution to Element Fluxes in River Waters from Guadeloupe (FWI)
10. Gonzalez Matos, O., **Clouard V.** S. Tait and G. Panza, Empleo de métodos de optimización para la determinación de la estructura litosfera-astenosfera en el Caribe insular, VII Convención Cubana de Ciencias de la Tierra, GEOCIENCIAS 2017, La Havana (Cuba), 3-7 Abril 2017.
11. Harris, A.J.L., **A. DiMuro**, **N. Villeneuve**, **V. Ferrazzini**, **A. Peltier**, D. Coppola, M. Favalli, P. Bachèlery, J.L. Froger, L. Gurioli, S. Moune, I. Vlastélic, B. Galle, S. Arellano (2017), Effusive Crises at Piton de la Fournaise 2014-2015: A Multi-National Response Model. Geophysical Research Abstracts, vol. 19, Abstract EGU2017-9253, Vienna, EGU 2017
12. Harris, A.J.L., **N. Villeneuve**, **A. Di Muro**, **V. Ferrazzini**, **A. Peltier**, D. Coppola, M. Favalli, P. Bachèlery, J.-L. Froger, L. Gurioli, S. Moune, I. Vlastélic, B. Galle, S. Arellano (2017), Effusive Crises at Piton de la Fournaise 2014-2015: A Multi-National Response Model. MeMoVolc workshop. Catania
13. Mergili, M., **N. Villeneuve**, **A. Peltier** (2017), Geomorphologic evolution of the eruptive vent of September 2016 at Piton de la Fournaise (La Réunion). Geophysical Research Abstracts, vol. 19, Abstract EGU2017- 8272, Vienna, EGU2017
14. **Peltier, A.**, J-L Froger, **N. Villeneuve**, T. Catry, **A. Derrien**, S. Samsanov, W. Fenga, H. Geirsson, N. d'Oreyec, K.F. Tiampo (2017), Using ground, airborne and spaceborne methods to retrieve magma paths at Piton de la Fournaise (La Réunion Island). IAVCEI Gen. Assembly, Portland, USA, Aug. 2017
15. Poland, M.P, **A. Peltier**, A. Bonforte, G. Puglisi (2017), A framework for understanding persistent volcanic flank instability based on Kīlauea, Piton de la Fournaise, and Etna. IAVCEI Gen. Assembly, Portland, USA, Aug. 2017
16. Rowland S., A. Harris, **N. Villeneuve**, T. Thordarson (2017). There is always something to learn from those interesting but puzzling lava- flow outcrops that everybody comes across every now and then. Session: V.01: Evaluating volcanic hazards - Lava flow dynamics and hazard assessment. IAVCEI 2017 Portland
17. Samsanov, S., W. Feng, **A. Peltier**, H. Geirsson, N. D'Oreyec, K. Tiampo (2017), Multidimensional small baseline subset (MSBAS) for volcano monitoring in two dimensions: opportunities and challenges. Case study Piton de la Fournaise volcano. GSA Abstract #292818- Cordilleran Section-113th Annual Meeting.
18. Soldati A., A. Harris, L. Gurioli, M. Rhéty, **N. Villeneuve**, A. Whittington (2017) Does lava remember its own thermal history? A new experimental approach to investigate subliquidus rheology applied to the December 2010 eruption of Piton de la Fournaise (La Réunion) Unexpected rheological regime measured down an active lava channel, Session V01 Lava flow dynamics and hazard assessment - V. Evaluating volcanic hazard - IAVCEI
19. **Villeneuve, N**, **A. Peltier**, G. Boudoire, **A. Derrien**, A. Harris, **Ph. Kowalski**, **C. Brunet**, **F. Lauret**, **Ph.**

- Catherine, P. Boissier, A. Di Muro, F. Fontaine, V. Ferrazzini, M. Mergili (2017), Peripheral images for a research-based approach to eruption tracking: use of webcams and images recorded by all! (tourists, journalists, civil protection helicopter pilots....). MeMoVolc workshop. Catania
20. Xu Y, Losno R, Dessert C, Monna F, Robert V & Chane-Teng J. (2017) Compositional Analysis of Saharan Dust Input to Guadeloupe (FWI)

2016 (19)

1. Aubry T., Jellinek A. M. & G. Carazzo, *A new analytical scaling law for the rise of buoyant jets in a crossflow and implication for wind-blown volcanic plumes: comparison with existing scalings*, Conference on Mathematical Geophysics 2016, Paris, France, 6-10 June, 2016.
2. Bonforte, A., F. Guglielmino, A. Peltier, M. Poland, G. Puglisi (2016), Spreading and collapse of big basaltic volcanoes. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-14217, Vienna, EGU2016
3. Boudoire, G., M. Liuzzo, A. Di Muro, A. Aiuppa, A. Finizola, V. Ferrazzini, A. Peltier, P. Allard, S. Gurrieri, L. Michon, E. Delcher, P. Boissier, C. Brunet, G. Giudice, F. Grassa, P. Kowalski (2016), Unrest activity at Piton de La Fournaise volcano (La Reunion Island) inferred by soil CO₂ flux variations along an active tectonic structure. Cities on the Volcanoes 9, Puerto Varas, Chile
4. Colombier, M., B. Scheu, U. Kueppers, L. Gurioli, A. Di Muro, F. Wafsworth, J. Vasseur, D. Dingwell (2016), The evolution of pore connectivity in magma: Insights on eruptive processes. Session GMPV5.8/EMRP4.10/TS1.7, EGU 2016, Vienna
5. Di Muro, A., S. Arellano, S. Aiuppa, P. Bachelery, G. Boudoire, D. Coppola, V. Ferrazzini, B. Galle, G. Giudice, L. Gurioli, A. Harris, M. Liuzzo, N. Métrich, S. Moune, A. Peltier, N. Villeneuve, I. Vlastelic (2016), Eruption and degassing dynamics of the major August 2015 Piton de la Fournaise eruption. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-5074, Vienna, EGU2016
6. Durand, V., A. Mangeney, E. Koné, C. Hibert, A. Protin, P. Kowalski, Lauret, C. Brunet, K. Wegner, F. Haas, N. Villeneuve, A. Peltier (2016), Rockfalls in the Dolomieu crater of Piton de la Fournaise, La Réunion: volume estimations and link with the volcanic activity. Abstract S43A-2818, Fall Meeting, AGU, San Francisco
7. Falsaperla S., H. Langer, and V. Ferrazzini (2016), Eruptive pattern classification on Mount Etna (Sicily) and Piton de la Fournaise (La Réunion). Geophysical Research Abstracts, vol. 18, Abstract EGU2016-2111, Vienna, EGU2016
8. Ferrazzini, V., Z. Duputel, O. Lengliné (2016), Hidden Structures and Magmatic Pathway Evidenced by Small Earthquakes on Piton de la Fournaise Volcano (La Réunion). Fall Meeting, AGU, San Francisco.
9. Fontaine, F.R., G. Roul, B. Hejrani, L. Michon, G. Barruol, H. Tkalčić, V. Ferrazzini, A. Di Muro, D. Reymond, A. Peltier, T. Staudacher, F. Massin. (2016), Caldera formation at the Piton de la Fournaise volcano, La Réunion, Abstract V53A-3066, Fall Meeting, AGU, San Francisco
10. Genco, R., S. Valade, N. Villeneuve, A. Peltier, V. Ferrazzini, A. Di Muro, M. Ripepe (2016), Infrasound of basaltic effusive activity at Piton de la Fournaise Volcano. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-14909, Vienna, EGU2016
11. Girault F., Carazzo G., Kaminski E & S. Tait, *Combined effects of total grain-size distribution and crosswind on the rise of eruptive volcanic columns*, Conference on Mathematical Geophysics 2016, Paris, France, 6-10 June, 2016.
12. Got, J.-L., A. Carrier, D. Marsan, F. Jouanne, S. Hreinsdottir, K.S. Vogfjord, T. Villemin, A. Peltier, V. Ferrazzini (2016), Analyzing the Non-Linear Magma-Edifice Coupling on Basaltic Volcanoes using Earthquake and GPS Data, and a Damage Model : Time Variation of State Variables, Mechanical Characterization of the Pre-Eruptive Dynamics and Consequences for Eruption Prediction, Abstract V53A- 3067, Fall Meeting, AGU, San Francisco
13. Haas, F., K. Wegner, A. Mangeney, V. Durand, N. Villeneuve, P. Kowalski, A. Peltier, A. Protin (2016), Detection of rock failures in the Dolomieu crater on La Réunion using multitemporal LiDAR and photogrammetric data. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-17112, Vienna, EGU 2016
14. Hibert, C., A. Mangeney, M. Polacci, A. Di Muro, S. Vergnolle, V. Ferrazzini, A. Peltier, B. Taisne, M. Burton, T. Dewez, G. Grandjean, A. Dupont, T. Staudacher, F. Brenguier, P. Kowalski, P. Boissier, P. Catherine, F. Lauret (2016), Toward continuous quantification of lava extrusion rate: Results from the multidisciplinary analysis of the 2 January 2010 eruption of Piton de la Fournaise volcano, La Réunion. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-6545, Vienna, EGU2016
15. Lengliné O., Z. Duputel, and V. Ferrazzini (2016), Migrations of seismicity at Piton de la Fournaise volcano. Geophysical Research Abstracts, vol. 18, Abstract EGU2016-3045, Vienna, EGU2016
16. Peltier, A., N. Villeneuve, A. Di Muro, V. Ferrazzini, G. Boudoire, P. Boissier, C. Brunet, P. Catherine, P. Kowalski, F. Lauret, J. Lebreton, M. Liuzzo, Giudice (2016), Quick unrest and renew of eruptive activity at Piton de la Fournaise in 2014-2016. Cities on the Volcanoes 9, Puerto Varas, Chile
17. Poland, M., A. Peltier (2016), Ocean island volcanoes - just how similar are they? Abstract V12A-01, Fall Meeting, AGU, San Francisco
18. Snelling, B., K. Sigloch, G. Barruol, V. Ferrazzini (2016), Comparing hydroacoustic and T-phases from terrestrial and ocean- bottom recordings around La Réunion Island, Indian Ocean, Geophysical Research Abstracts, vol. 18, Abstract EGU2016-6111, Vienna, EGU2016

19. Soldati A., A. John Lang Harris, L. Gurioli, **N. Villeneuve** and A. G Whittington, (2016) Topographic Constraints on Lava Flow Patterns: the December 2010 Eruption of Piton de La Fournaise (La Réunion) AGU fall meeting SanFrancisco.

2015 (19)

1. Bachèlery P., Villeneuve N., Lénat JF., (2015) Eruption reaction at Reunion island. Just to provide a general view on how things are done in Reunion to manage a volcanic eruption. VeTools workshop, Sept.2015Iceland
2. Bonforte, A., F. Guglielmino, A. Peltier, M. Poland, G. Puglisi (2015), Spreading and collapse of big basaltic volcanoes. Abstract G41A-0999, Fall Meeting, AGU, SanFrancisco.
3. Brugier, Y.A., M. Pichavant, A. Di Muro (2015), Effects of volatiles on phase equilibria of a basalt from Piton de la Fournaise (Réunion island): experimental results and comparison with natural products, EGU General Assembly, 2015,Vienna
4. Brugier, Y.A., M Pichavant, A. Di Muro (2015), Experimental determination of phase equilibria of a basalt from Piton de la Fournaise (La Réunion island): 1 atm data and high pressure results in presence of volatiles, EGU General Assembly, 2015,Vienna.
5. **Clouard, V., Roger, J. and E. Moizan**, Arqueología y prospección geológica, una asociación para encontrar depósitos de tsunamis en las Antillas: ejemplo del terremoto de Lisboa de 1755 en Martinica, FWI, VI Convención Cubana de Ciencias de la Tierra, GEOCIENCIAS´2015, La Havana (Cuba), 8-11 Maio 2015.
6. **Clouard, V., P. Tyburn, J.-M. Saurel, S. Deroussi, G. Voineson, B. Naigre, N. Zahibo, J.-N. Degrace, G. Raymond, C. Dufeu, C. Terrac, S. Simphor, G. Jabol**, Avances del sistema de alerta de tsunamis en las islas francesas del Caribe FWI, VI VI Convención Cubana de Ciencias de la Tierra, GEOCIENCIAS´2015, La Havana (Cuba), 8-11 Maio 2015.
7. Di Muro, A., V. Ferrazzini, A. Peltier, N. Villeneuve, G. Boudoire (2015), Volcano unrest at Piton de la Fournaise: the problem of linking deep and shallow parts of the plumbing system. Advanced Monitoring of Active Volcanoes, Naples(Italy).
8. Durand, V., P. Le Bouteiller, A. Mangeney, V. Ferrazzini, P. Kowalski, F. Lauret, C. Brunet (2015), Statistical Analysis of Seismic Events Occurring on Piton de la Fournaise Volcano, La Réunion: Bringing Out Eruptive Precursors, Fall Meeting, AGU, SanFrancisco
9. Froger, JL., V. Cayol, R. Grandin, N. Villeneuve, A. Peltier, S. Rivet, P. Ordoqui, O. Mora (2015), Last eruptions of Piton de la Fournaise imaged with new generation radar data. MDIS-Form@ter workshop, Autrans(France).
10. Guimbretière, G., S. Duraipandian, A. Finizola, A. Canizarès, A. Di Muro, T. Ricci, E. Delcher, P. Simon (2015), Raman spectroscopic setup for the remote monitoring of high temperature volcanic solids and fluids, IUGG Meeting,Prague
11. Gurioli L., I. Vlastelic, A. Di Muro, G. Boudoire, S. Moune, P. Bachelery, N. Villeneuve, 2015. The June 2014 eruption of Piton de la Fournaise: Insights from field, textural and geochemical data. EUGVienna.
12. Kueppers U., Uhlig J., **Carazzo G.**, Kaminski E., Perugini D. & S. Tait, *The three youngest Plinian eruptions of Pelée, Martinique (P1, P2 & P3) : Constraining eruptive conditions from field and experimental studies*, Abstract X presented at 2015 IUGG General Assembly, Prague, June 22-July 2, 2015.
13. Kueppers U., Uhlig J., **Carazzo G.**, Kaminski E., Perugini D., Tait S & **V. Clouard**, *The three youngest Plinian eruptions of Mt Pelée, Martinique (P1, P2 and P3) : Constraining the eruptive conditions from field and experimental studies.*, EGU General Assembly, Geophys. Res. Abs. 17, EGU2015-2082, 2015.
14. **Lemarchand A., F. Beauducel, MP Bouin, F. Brenguier, E. Jacques, E.M Aissaoui, C. Dessert, V. Clouard, N. Villeneuve, V. Ferrazzini, N. Shapiro, A. Anglade, P. Kowalski, JM Saurel** and the teams in the IPGP. Volcanological and Seismological observatories. Validation des données sismologiques des observatoires volcanologiques et sismologiques.
15. López-Venegas, A., S. Chacón, F. Audemard, C. Harbitz, N. Zamora, F. Dondin, **V. Clouard**, E. Vanacore, and V. Huérfano, Tsunamis from Tectonic Sources along Caribbean Plate Boundaries, Abstract T11E-2942 presented at Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec, 2015.
16. Ort, M., **A. Di Muro**, L. Michon, P. Bachèlery (2015), Explosive interaction of magmatic and hydrothermal systems during flank extension: The Bellecombe ashes of Piton de La Fournaise, Réunion Island, IUGG Meeting,Prague
17. **Saurel J.M., Anglade A., Kowalski Ph., Lemarchand A., Clouard, V., Dessert C., Villeneuve N., Shapiro N., Agrinier P**, les équipes des observatoires volcanologiques de l'IPGP, 2015 Réseaux sismologiques et géodésiques des observatoires volcanologiques et sismologiques 2èmes rencontres scientifiques et techniques RESIF, La Grande Motte; 10/2015
18. von Hillebrandt-Andrade, C., B. Aliaga, **V. Clouard, J.-M. Saurel**, Estado de situación a los 10 años del sistema de alerta de tsunamis y otras amenazas costeras del caribe y regiones adyacentes (CARIBE EWS) de la UNESCO - Comisión Oceanográfica Intergubernamental (COI), VI Convención Cubana de Ciencias de la Tierra, GEOCIENCIAS´2015, La Havana (Cuba), 8-11 Maio 2015.
19. Walther, G., I. Frese, **A. Di Muro**, U. Küppers, L. Michon, N. Métrich (2015), The eruptive history of the Troues Blancs pit craters, La Réunion Island: The origin of a 24 km long lava flow, EGU General Assembly, 2015,Vienna

2014 (26)

1. **Anglade, A., J.-M. Saurel, A. Lemarchand, V. Clouard, M.-P Bouin, J.-B. de Chabaliér, S. Tait, C. Brunet, A. Nercessian, R. Robertson, L. Lynch, M. Higgins, J. Latchman** and the OVS teams, Significant

- breakthroughs in monitoring networks of the volcanological and seismological French observatories, EGU2014-14987, EGU General Assembly, Vienne (Autriche), 2014.
2. Aubry T., A. M. Jellinek & G. Carazzo, *Impacts of winds on volcanic plumes - Do crossflows challenge the Morton, Turner and Taylor entrainment assumptions ?*, Abstract V43E-4938 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec., 2014.
 3. Bato M.G., J.L. Froger, A. J. L. Harris and N. Villeneuve, 2014. Insights on the 2010 Lava Flows of Piton de la Fournaise Using Cosmo- SkyMed and TanDEM-X Data: Lava Displacement Rates, Thicknesses, and Volume Estimates. AGU fall meeting San Francisco
 4. Boissier, P., A. Di Muro, L. Henriette, A. Rivière, G. Rault, P. Agrinier, F. Beauducel, P.-A. Davoine, J. Dyon, V. Ferrazzini, P. Kowalski, A. Lemarchand, A. Necessian, A. Peltier, N. Shapiro, T. Staudacher, N. Villeneuve (2014), Acquisition, capitalization, modelling and sharing of volcanic and seismic monitoring data at La Réunion Island. Geophysical Research Abstracts, vol. 16, Abstract EGU2014-7964, Vienna, EGU2014
 5. Brenguier F., D. Rivet, P. Kowalski, E. Larose, T. Lecocq, J. Chaput, S. Rambaud, N. Shapiro, M. Campillo, P. Roux, V. Ferrazzini, N. Villeneuve and the VolcArray team, 2014. Long- and short-term magmatic behavior of Piton de la Fournaise volcano inferred from noise-based seismic monitoring. AGU fall meeting San Francisco
 6. Carrier, A., J.L. Got, A. Peltier, V. Ferrazzini, T. Staudacher, P. Kowalski, P. Boissier (2014), A damage model for volcanic eruptions. EUROCK10
 7. Carrier, A., A. Peltier, J.L. Got, V. Ferrazzini, T. Staudacher, P. Kowalski, P. Boissier (2014), Damage, Weakening and Non-Linear Processes in a Pressurized Volcanic Edifice. Abstract V51B-4744, Fall Meeting, AGU, San Francisco.
 8. Clergue C., M. Dellinger, H. Buss, J. Gaillardet, M. Benedetti, C. Dessert (2014) Lithium constraints on geochemical processes in a tropical andesitic watershed, Bras David, Guadeloupe, FWI, Octobre 2014 / 24ème Réunion des Sciences de la Terre, Pau
 9. Clouard, V., M.-P. Bouin, J.-M. Saurel, C. Prepetit, D. McNamara, S. Hough, M. Saint-Louis, and J.-R. Altidor, Establishing seismic network capabilities in Haïti, EGU2014-16171, EGU General Assembly, Vienne (Autriche), 2014.
 10. Di Muro, A. (2014) Quantitative micro-Raman analysis of volcanic glasses: influence and correction of matrix effects. Geophysical Research Abstracts, vol. 16, EGU General Assembly, 2014, Vienna.
 11. Di Muro, A. (2014) The link between multi-step magma ascent and eruption intensity: examples from the recent activity of Piton de la Fournaise (La Réunion Island). Invited. Geophysical Research Abstracts, vol. 16, EGU General Assembly, 2014, Vienna
 12. Di Muro, A., Métrich, N., Deloule, E., Civetta, L. (2014) Geochemical monitoring of volcano unrest and multi-step magma propagation: the example of the 2007-2011 Piton de la Fournaise activity. Geophysical Research Abstracts, vol. 16, EGU General Assembly, 2014, Vienna
 13. Durand J., P. Tulet, J.B. Filippi, A. Leriche, N. Villeneuve, 2014. A High-resolution Simulation of the Transport of Gaseous Pollutants from a Severe Effusive Volcanic Eruption. AGU fall meeting San Francisco
 14. Fontaine, F.R., G. Rault, L. Michon, G. Barruol, V. Ferrazzini, A. Di Muro, D. Reymond, A. Peltier, T. Staudacher (2014), Dynamics of the 2007 eruptions of Piton de la Fournaise and the related caldera collapse from a single very broad-band seismic station. Geophysical Research Abstracts, vol. 16, Abstract EGU2014-7939, Vienna, EGU2014
 15. Guérin A., Devauchelle O., Lajeunesse E., Dessert C., Robert V., Kitou T., (2015) - Dynamics of an unconfined aquifer : influence on the storm-flow regime of a flood, American Geophysical Union, 14-18 december, 2015, San Francisco
 16. Lemarchand A., A. Anglade, J.M. Saurel (2014), Significant breakthroughs in monitoring networks of the volcanological and seismological French observatories, EGU General Assembly 2014, held 27 April - 2 May, 2014 in Vienna, Austria, id.14987
 17. Leroy, I. and the Haiti-SIS team, Evidence of left-lateral active motion at the North America-Caribbean plate boundary Abstract OS33B-1057 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec, 2014
 18. Liuzzo, M., Giudice, G., Di Muro, A., Ferrazzini, V., Michon, L. (2014). New observational evidence of CO2 degassing anomalies on the Piton de la Fournaise and the relationship between seismotectonic structures and CO2 flux from the soil. EGU 2014, in Geophysical Research Abstracts 16, EGU2014-2444, Vienna, Austria
 19. Massin F., Amorèse, D., Beauducel, F., Bengoubou-Valérius, M., Bernard, M.- L., Bertil, D. (2014) Earthquake precise locations catalog for the Lesser Antilles subduction zone (1972-2013), in: EGU General Assembly Conference Abstracts. p. 9105
 20. Ort, M., Di Muro, A., Michon, L., Bachelery, P. (2014) The Bellecombe ash: indications of explosive eruptions at Piton de la Fournaise, Réunion Island. IAVCEI, 5IMC conference, Queretaro, Mexico
 21. Peltier, A., J.L. Got (2014), Temporal and Spatial Strain Distribution Derived from GNSS Network in Volcanic Area, the Case Study of Piton De La Fournaise. Abstract V43A-4841, Fall Meeting, AGU, San Francisco
 22. Roger, J, Clouard, V. Moizan, E, New Perspective of Tsunami Deposit Investigations: Insight from the 1755 Lisbon Tsunami in Martinique, Lesser Antilles, Abstract S21A-4388 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec, 2014
 23. Rault G., F. Beauducel, V. Ferrazzini, P. Boissier, N. Villeneuve, 2014. The "JERK" method for predicting intrusions and eruptions of Piton de la Fournaise (La Réunion Island) from the analysis of the broad-band seismological RER station. AGU fall meeting San Francisco

24. Taisne, B., **A. Peltier** (2014), Toward joint inversion of monitoring data with physical models during unrest periods. Abstract V34B-06, Fall Meeting, AGU, SanFrancisco
25. **Villeneuve, N., V. Ferrazzini, A. Di Muro, A. Peltier, F. Beauducel, G. Roul, T. Lecocq, F. Brenguier, I. Vlastelic, L. Gurioli, S. Guyard, T. Catry, JL. Froger, D. Coppola, A. Harris, M. Favalli, A. Aiuppa, M. Liuzzo, G. Giudice, P. Boissier, C. Brunet, P. Catherine, F. J Fontaine, L. Henriette, F. Lauret, A. Riviere, P. Kowalski** (2014), The June 2014 eruption at Piton de la Fournaise: Robust methods developed for monitoring challenging eruptive processes. Abstract V43A-4843, Fall Meeting, AGU, SanFrancisco
26. Zecevic, M., L. De Barros, C. Bean, F. Brenguier, **A. Peltier** (2014), The temporal and spatial evolution of pre-eruptive seismicity on Piton de la Fournaise, La Réunion Island. Geophysical Research Abstracts, vol. 16, Abstract EGU2014-7227, Vienna, EGU2014

2013 (22)

1. **Amorese D., and T. Kitou**, 2013. Delineating seismogenic structures in the Lesser Antilles by an improved earthquake location collapsing approach, International Conference Caribbean Waves 2, Gosier, Guadeloupe
2. Bato MG, JL Froger, AJL Harris and **N Villeneuve**, 2013. Characterizing the October 2010 Lava Flow of Piton de la Fournaise using Space-based data. IAVCEI, Kagoshima July 2013, Japan
3. Bato MG, JL Froger, **N Villeneuve** and T Souriot, 2013. TanDEM-X data for early mapping and volume estimation of lava flows: October 2010 Lava flow of Piton de la Fournaise case study. TerraSARX Meeting
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