

1. **Afonso, Juan Carlos**; Nicholas Rawlinson, Yingjie Yang, Sergio Zlotnik, and Olga Ortega. EGU2017-18505 | Posters | GD8.1/EMRP4.11/SM4.10 Linking geodynamics and geophysical inversion with multiobservable probabilistic tomography. Mon, 24 Apr, 17:30–19:00, Hall X2
2. **Andersen, Torgeir B; Hans Jørgen Kjøll, Johannes Jakob, Fernando Corfu**, and Christian Tegner. EGU2017-11906 | Orals | TS7.5 The pre-Caledonian margin of Baltica. Fri, 28 Apr, 14:00–14:15, Room G1
3. Bellwald, Benjamin, **Sverre Planke**, Mohammed Matar, and Emilia Daria Piasecka. EGU2017-12990 | Posters | CR4.10/GM10.3 P-Cable 3D high-resolution seismic data as a powerful tool to characterize subglacial landforms and their genesis: A case study from the SW Barents Sea. Fri, 28 Apr, 10:30–12:00, Hall X5
4. **Buiter, Susanne** and Susan Ellis. EGU2017-4832 | Posters | TS8.4/GD8.6/GM3.10 . The challenges of numerically simulating analogue brittle thrust wedges. Wed, 26 Apr, 17:30–19:00, Hall X2
5. **Buiter, Susanne**. EGU2017-8421 | Posters | TS6.2 How collisional inheritance can affect rifted margin architecture. Thu, 27 Apr, 17:30–19:00, Hall X2
6. **Collignon, Marine**; Øyvind Hammer, **Mohammad J. Fallahi**, Matteo Lupi, Daniel W. Schmid, **Husein Alwi**, Soffian Hadi, and **Adriano Mazzini**. EGU2017-4822 | Posters | GMPV1.4/BG9.68/SSP3.15 Linking the Lusi mud eruption dynamics with regional and global seismic activity: a statistical analysis. Fri, 28 Apr, 17:30–19:00, Hall X2.
7. **Collignon, Marine**; Daniel W. Schmid, Christophe Galerne, Matteo Lupi, and **Adriano Mazzini**. EGU2017-4793 | Orals | GMPV1.4/BG9.68/SSP3.15 Modelling fluid flow in clastic eruptions: application to the Lusi mud eruption. Fri, 28 Apr, 14:15–14:30, Room D1.
8. **Conrad, Clinton P.** and Lars N. Hansen. EGU2017-9841 | Orals | GD7.2/EMRP4.9/SM10.2 . Interplay between Tectonic Plate Motions, Anisotropic Viscosity, and the Development of Rock Fabrics in the Asthenosphere. Thu, 27 Apr, 11:30–11:45, Room K1
9. **Conrad, Clinton P; Bernhard Steinberger, and Trond H. Torsvik**. EGU2017-9880 | Posters | GD3.2/EMRP4.24/SM10.1 Sea Level Change due to Time-Dependent Long-Wavelength Dynamic Topography Inferred from Plate Tectonic Reconstructions. Thu, 27 Apr, 17:30–19:00, Hall X2
10. **Cramer, Fabio**. EGU2017-8528 | Posters | GD8.4/EMRP4.10/TS8.7 StagLab: Post-Processing and Visualisation in Geodynamics I Wed, 26 Apr, 17:30–19:00, Hall X2
11. **Cramer, Fabio**; Carolina Lithgow-Bertelloni, and Paul Tackley. EGU2017-13862 | Orals | GD5.1/EMRP4.7/GMPV2.10. The dominant surface-topography contributions of individual subduction parameters. Wed, 26 Apr, 15:30–15:45, Room K1
12. **Domeier, Mat**. EGU2017-10167 | Orals | TS9.3/EMRP4.2 Early Paleozoic tectonics of Asia: A preliminary full-plate model. Thu, 27 Apr, 08:45–09:00, Room G1
13. **Doubrovine, Pavel V; Trond H. Torsvik, and Mathew Domeier**. EGU2017-7794 | Posters | EMRP3.3 . Paleomagnetism and paleosecular variation from the late Miocene to recent lavas of Mauritius. Thu, 27 Apr, 17:30–19:00, Hall X2
14. Døssing, Arne; **Carmen Gaina**, and John Brozena. EGU2017-12107 | Orals | GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6 . Building and breaking a Large Igneous Province: An example from the High Arctic. Mon, 24 Apr, 16:00–16:15, Room E1
15. Eibl, Eva P. S; Tómas Jóhannesson, Benedikt G. Ofeigsson, Matthew J. Roberts, Christopher J. Bean, Kristin S. Vogfjörð, **Morgan T. Jones**, Melissa A. Pfeffer, Baldur Bergsson, and Finnur Pálsson. EGU2017-17090 | Posters | GM1.5/CR2.6/GI3.14/NH4.10/SM4.7 | | Highlight. Geophysical Tracking of a Subglacial Flood in Near Real-Time. Mon, 24 Apr, 17:30–19:00, Hall X2
16. **Fallahi, Mohammad Javad**; Anne Obermann, Matteo Lupi, and **Adriano Mazzini**. EGU2017-6531 | Orals | GMPV1.4/BG9.68/SSP3.15 The feeding system of the Lusi eruption revealed by ambient noise tomography. Fri, 28 Apr, 14:00–14:15, Room D1
17. **Fallahi, Mohammad Javad**; Matteo Lupi, **Adriano Mazzini**, Alina Polonia, Antonino D'Alessandro, Giuseppe D'Anna, and Luca Gasperini. EGU2017-9981 | Posters |

- GMPV1.4/BG9.68/SSP3.15. Mud volcano monitoring and seismic events along the North Anatolian Fault (Sea of Marmara). Fri, 28 Apr, 17:30–19:00, Hall X2
18. **Fullea, Javier, Ana Negredo, María Charco, Imma Palomeras, Antonio Villaseñor, and Juan Carlos Afonso.** EGU2017-10640 | Posters | TS7.6 The topography of the Iberian Peninsula from coupled geophysical-petrological inversion of multiple data sets. Fri, 28 Apr, 17:30–19:00, Hall X2
 19. **Gasser, Deta; Tor Grenne, and Lars Eivind Augland.** EGU2017-4878 | Posters | TS7.5 The enigmatic Gula Complex of the central Norwegian Caledonides: new constraints on age and origin from zircon dating and geochemistry. Fri, 28 Apr, 17:30–19:00, Hall X2
 20. **Gelabert, Olga Ortega; Sergio Zlotnik, Juan Carlos Afonso, and Pedro Díez.** EGU2017-11521 | Posters | GD8.4/EMRP4.10/TS8.7. Model Order Reduction for the fast solution of 3D Stokes problems and its application in geophysical inversion. Wed, 26 Apr, 17:30–19:00, Hall X2
 21. **Gottschalk Ballo; Eirik, Lars Eivind Augland, Øyvind Hammer, and Henrik Svensen.** EGU2017-15378 | Posters | SSP2.4/GMPV1.5 A new age model for the Late Ordovician bentonites in Oslo, Norway. Tue, 25 Apr, 17:30–19:00, Hall X1. EGU2017-12418 | Posters | SSP2.4/GMPV1.5
 22. **Heim, Michael; Fernando Corfu.** EGU2017-9151 | Posters | TS7.5 Heidal revisited: new light on critical elements in the allochthon of the classical Otta region (Oppland). Fri, 28 Apr, 17:30–19:00, Hall X2
 23. **Husein, Alwi; Adriano Mazzini, Matteo Lupi, Alessandra Sciarra, and Karyono Karyono.** EGU2017-7160 | Posters | GMPV1.4/BG9.68/SSP3.15 A geophysical and geochemical investigation of the Kalang-Anyar mud volcano, Indonesia. Fri, 28 Apr, 17:30–19:00, Hall X2
 24. **Incel, Sarah; Nadège Hilairet, Loïc Labrousse, Torgeir B. Andersen, Yanbin Wang, and Alexandre Schubnel.** EGU2017-6669 | Posters | TS3.2/GMPV3.5 Eclogite-facies metamorphic reactions under stress and faulting in granulites from the Bergen Arcs, Norway: an experimental investigation. Mon, 24 Apr, 17:30–19:00, Hall X2
 25. **Jakob, Johannes; Manar Alsaif, Torgeir Andersen, and Fernando Corfu.** EGU2017-12707 | Posters | TS7.5 U-Pb ID-TIMS geochronology of gneisses and metaintrusives in the pre-Caledonian magma-poor hyperextended margin of Baltica. Fri, 28 Apr, 17:30–19:00, Hall X2
 26. **Jeannot, Ludovic and Susanne Buiter.** EGU2017-3899 | Orals | TS6.1/GD5.4. Analysing the deformation width of transtensional rifted margins. Fri, 28 Apr, 08:30–08:45, Room D3
 27. **Jerram, Dougal; Henrik Svensen, Sverre Planke, John Millett, and Pete Reynolds.** EGU2017-18174 | Orals | GMPV1.4/BG9.68/SSP3.15 Sill induced hydrothermal venting: A summary of our current understanding. Fri, 28 Apr, 14:30–14:45, Room D1
 28. **Jones, Morgan; Lawrence Percival, Joost Frieling, Tamsin Mather, and Henrik Svensen.** EGU2017-10196 | Posters | SSP2.4/GMPV1.5 Assessing the variation in mercury deposition around the North Atlantic during the Palaeocene-Eocene Thermal Maximum (PETM). Tue, 25 Apr, 17:30–19:00, Hall X1
 29. **Magni, Valentina.** EGU2017-9145 | Orals | TS7.1/GD6.7/SM6.4 Mantle flow and oceanic crust formation during the opening of the Tyrrhenian back-arc basin. Wed, 26 Apr, 14:30–14:45, Room D3
 30. **Mauri, Guillaume; Alwi Husein, Karyono Karyono, Soffian Hadi, Hardi Prasetyo, Matteo Lupi, Anne Obermann, Adriano Mazzini, and Stephen A. Miller.** EGU2017-12614 | Posters | GMPV1.4/BG9.68/SSP3.15 Insights on the structure and activity of Lusi mud edifice from land gravity monitoring. Fri, 28 Apr, 17:30–19:00, Hall X2
 31. **Mazzini, Adriano; Alessandra Sciarra, Matteo Lupi, Guillaume Mauri, Karyono Karyono, Alwi Husein, Ida Aquino, Ciro Ricco, Anne Obermann, and Soffian Hadi.** EGU2017-16046 | Posters | GMPV1.4/BG9.68/SSP3.15 | Highlight The Lusi mud eruption dynamics: constraints from field data. Fri, 28 Apr, 17:30–19:00, Hall X2
 32. **Medvedev, Sergei, Ebbe Hartz, and Jan Inge Faleide.** EGU2017-8811 | Posters | GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6 Vertical displacements of circum-Arctic lithosphere caused by glacial erosion. Mon, 24 Apr, 17:30–19:00, Hall X2

33. Millett, John; Eric Haskins, Donald Thomas, **Dougal Jerram**, **Sverre Planke**, Dave Healy, Jochem Kück, Lucas Rossetti, Natalie Farrell, and Simona Pierdominici. EGU2017-15475 | Orals | GMPV1.3/EMRP4.32/ERE6.5/SSP1.8/TS3.8 Porosity and permeability evolution of vesicular basalt reservoirs with increasing depth: constraints from the Big Island of Hawaii. Tue, 25 Apr, 15:45–16:00, Room 2.20
34. Obermann, Anne; **Karyono Karyono**, Tobias Diehl, Matteo Lupi, and **Adriano Mazzini**. EGU2017-14286 | Orals | GMPV1.4/BG9.68/SSP3.15 Seismicity at Lusi and the adjacent volcanic complex, Java, Indonesia. Fri, 28 Apr, 13:45–14:00, Room D1
35. Oliveira, Beñat; **Juan Carlos Afonso**, Sergio Zlotnik, and Romain Tilhac. EGU2017-18307 | Posters | GD8.4/EMRP4.10/TS8.7 Numerical Modelling of Multi-Phase Multi-Component Reactive Transport in the Earth's interior. Wed, 26 Apr, 17:30–19:00, Hall X2
36. Panzera, Francesco, Sebastiano D'Amico, Matteo Lupi, **Karyono Karyono**, and **Adriano Mazzini**. EGU2017-17666 | Posters | GMPV1.4/BG9.68/SSP3.15 A microtremor survey to define the subsoil structure in a mud volcano areas. Fri, 28 Apr, 17:30–19:00, Hall X2.
37. Peters, Kalijn; Douwe J.J. van Hinsbergen, **Fernando Corfu**, Derya Gurer, Fraukje M. Brouwer, and Herman L.M. van Roermund. EGU2017-18701 | Posters | TS7.3/GD5.6/GMPV2.11 Subduction initiation close to the continental margin? Implications from U-Pb zircon geochronology of the Pınarbaşı metamorphic sole, central Turkey. Wed, 26 Apr, 17:30–19:00, Hall X2
38. Pierdominici, Simona; Jochem Kueck, John Millett, **Sverre Planke**, **Dougal A. Jerram**, Eric Haskins, and Donald Thomas. EGU2017-12030 | Posters | SSP1.3/EMRP4.37/GI3.7 . Present-day stress state analysis on the Big Island of Hawai'i, USA. Thu, 27 Apr, 17:30–19:00, Hall X2
39. Schliffke, Nicholas; Jeroen van Hunen, **Valentina Magni**, Mark Allen, and Rebecca Freeburn. EGU2017-14029 | Posters | GD5.1/EMRP4.7/GMPV2.10 Magmatism in geodynamical models of continental collision zones. Wed, 26 Apr, 17:30–19:00, Hall X2
40. Schmiedel, Tobias; **Sigurd Kjoberg**, **Sverre Planke**, Craig Magee, Nick Schofield, Olivier Galland, Christopher A-L Jackson, and **Dougal A Jerram**. EGU2017-1169 | Orals | GMPV4.7/NH2.7 Mechanisms of overburden deformation associated with the emplacement of the Tulipan sill, mid-Norwegian Margin. Mon, 24 Apr, 16:45–17:00, Room K1
41. **Sekhar, Aswin**, David J. Asher, **Stephanie C. Werner**, Jeremie Vaubailon, and Gongjie Li. EGU2017-9018 | Posters | PS4.1 Change in General Relativistic precession rates due to Lidov-Kozai oscillations in the Solar System. Wed, 26 Apr, 17:30–19:00, Hall X4
42. **Shephard, Grace E.**, Kara J. Matthews, Kasra Hosseini, and **Mathew Domeier**. EGU2017-7916 | Orals | GD3.2/EMRP4.24/SM10.1. On the consistency of tomographically imaged lower mantle slabs Fri, 28 Apr, 09:45–10:00, Room K1
43. **Shephard, Grace E**; **Mansour M Abdelmalak**, **Susanne Buiter**, Karsten Piepjohn, **Morgan Jones**, **Trond Torsvik**, **Jan Inge Faleide**, and **Carmen Gaina**. EGU2017-4286 | Posters | D6.1/CR6.6/SM6.10/SSP1.5/TS9.6 Refining plate reconstructions of the North Atlantic and Ellesmerian domains. Mon, 24 Apr, 17:30–19:00, Hall X2
44. **Shulgin Alexey** and Hans Thybo. EGU2017-9568 | Posters | GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6 Active seismic profile in east-central Greenland. Seismic explosion sources on an ice cap. Mon, 24 Apr, 17:30–19:00, Hall X2
45. **Shulgin, Alexey**; Iselin Aarseth, **Jan Inge Faleide**, Rolf Mjelde, and Ritske Huismans. EGU2017-9821 | Posters | TS6.1/GD5.4 The Western Barents Sea: where is the Caledonian Deformation Front? Fri, 28 Apr, 17:30–19:00, Hall X2
46. **Shulgin, Alexey**; Rolf Mjelde, and **Jan Inge Faleide**. EGU2017-10085 | Posters | D6.1/CR6.6/SM6.10/SSP1.5/TS9.6 Crustal structure of the South Barents Sea. Mon, 24 Apr, 17:30–19:00, Hall X2
47. Sleveland, Arve; **Sverre Planke**, Valentin Zuchuat, Franziska Franeck, **Henrik Svensen**, Ivar Midtkandal, Øyvind Hammer, Richard Twitchett, and Deltadalen Study Group. High-

resolution stratigraphic analyses of Permian-Triassic core material recovered in central Spitsbergen. Tue, 25 Apr, 17:30–19:00, Hall X1

48. Soelen, Els van; Edi Hasic, **Sverre Planke**, **Henrik Svensen**, Arve Sleveland, Ivar Midtkandal, Richard Twitchett, and Wolfram Kürschner. EGU2017-6703 | Posters | SSP2.4/GMPV1.5 Permian-Triassic palynofacies and chemostratigraphy in a core recovered from central Spitsbergen. Tue, 25 Apr, 17:30–19:00, Hall X1
49. Zertani, Sascha; Timm John, Frederik Tilmann, Hem Bahadur Motra, Loic Labrousse, and **Torgeir B. Andersen**. EGU2017-18686 | Posters | TS7.4/GD5.7/NH4.15 Petrophysical properties of eclogite facies shear zones and their relationship to receiver function signals Mon, 24 Apr, 17:30–19:00, Hall X2