CEED at EGU Vienna, 12 – 17 April

1. **Abdelmalak, Mansour M., Sverre Planke, Torgeir B. Andersen, Jan Inge Faleide, Fernando Corfu**, Christian Tegner, Reidun Myklebust. The Continent-Ocean Transition in the Mid-Norwegian Margin: Insight From Seismic Data and the Onshore Caledonian Analogue in the Seve Nappe Complex. EGU2015-5352 (Talk).
2. **Alsaif, Manar, Johannes Jakob, Torgeir Andersen, Fernando Corfu**. Remnants of a hyperextended passive margin in a Caledonian mélange unit below the Jotun nappe, Bøverdalen, Central-south Norway. EGU2015-6783 (Poster)
3. **Andersen, Torgeir B., Manar Alsaif, Fernando Corfu, Johannes Jakob, Sverre Planke**, Christian Tegner. Magma-poor and magma-rich segments along the hyperextended, pre-Caledonian passive margin of Baltica. EGU2015-5967 (Poster)
4. Brunetti, Maria Teresa, **Zhiyong Xiao**, Goro Komatsu, Silvia Peruccacci, Federica Fiorucci, Mauro Cardinali, Michele Santangelo, Fausto Guzzetti. Landslides on Earth, Mars, Moon and Mercury. EGU2015-3456 (Talk).
5. **Buiter, Susanne** and Joya Tetreault The role of structural inheritance in continental rifting. EGU2015-12047 (Talk).
6. **Buiter, Susanne**, Joya Tetreault, **Trond Torsvik**. Geodynamic models of the Wilson Cycle: From rifts to mountains to rifts. EGU2015-6499 (Talk).
7. **Bull, Abigail** and Christine Thomas. Linking the dynamics and evolution of lower mantle heterogeneities with surface plate motion history. EGU2015-11593 (Poster).
8. **Corfu, Fernando, Torgeir B. Andersen**. Hyperextension in the northern Caledonides: the Gargia nappe in Finnmark. EGU2015-1927 (Poster)
9. **Domeier, Mat, Trond Torsvik**. An explicit kinematic scenario for the Iapetus and Rheic Oceans. EGU2015-5002 (Talk).
10. **Faleide, Jan Inge,** Po Wan Wong, **Roy Helge Gabrielsen**, Filippos Tsikalas, Olav A. Blaich, **Sverre Planke,** Reidun Myklebust. Basin evolution at the SW Barents Sea margin and its conjugate off NE Greenland. EGU2015-9156 (Poster).
11. Fraters, Menno, Anne Glerum, Cedric **Thieulot, Wim Spakman**. Thermo-mechanically coupled subduction using AMR together with a true free surface and sticky air in ASPECT. EGU2015-6631 (Talk).
12. **Gaina, Carmen, Robin Watson**, Juraj Cirbus. Late Mesozoic- Cenozoic plate boundaries in the North Atlantic – Arctic: Quantitative reconstructions using Hellinger criterion in GPlates. EGU2015-11438 (Poster)
13. Gassmöller, Rene, **Bernhard Steinberger**, Juliane Dannberg, Eva Bredow, **Trond Torsvik**. Models and observations of plume-ridge interaction in the South Atlantic and their implications for crustal thickness variations. EGU2015-6776 (Talk).
14. **Jakob, Johannes, Manar Alsaif, Torgeir Andersen, Fernando Corfu**. Hyperextension in the pre-Caledonian margin of Baltica: new observations and U-Pb ages from the Samnanger Complex, Major Bergen Arc, western Norway. EGU2015-9197 (Talk).
15. **Jones, Morgan, Henrik Svensen**, Christian Tegner, **Sverre Planke**, Pi Willumsen. Large volcanic eruptions and the PETM: Geochemistry from the Fur Formation, Denmark. EGU2015-10873 (Poster).

16. **Jones, Morgan**, Seth Burgess, Gauti Eliassen, **Henrik Svensen, Sverre Planke**, Malte Jochmann, Bjarki Friis . Arctic volcanism during the Palaeocene and Eocene: The timing and provenance of volcanic ashes in the Central Tertiary Basin, Svalbard. EGU2015-11468 (Talk).
17. **Karyono, Adriano Mazzini**, Matteo Lupi, Ildrem Syafri, Iyan Haryanto, Masturyono Masturyono, Soffian Hadi, Suprianto Rohadi, Iman Suardi, Ariska Rudiyanto, Bayu Pranata. The LUSI Seismic Experiment: Deployment of a Seismic Network around LUSI, East Java, Indonesia. EGU2015-14315 (Poster).
18. Krueger, Martin, Nontje Straaten, **Adriano Mazzini**. Microbial processes and communities in sediment samples along a transect across the Lusi mud volcano, Indonesia. EGU2015-13714 (Talk).
19. **Lebedeva-Ivanova, Nina, Carmen Gaina, Alexander Minakov**, Sergey Kashubin. A crustal thickness model of the Arctic Region. EGU2015-3764 (Talk).
20. Maffione, Marco, **Cedric Thieulot**, Douwe van Hinsbergen, Antony Morris, Oliver Plumper, **Wim Spakman**. Subduction initiation at oceanic detachment faults: a mechanism to generate extensive ophiolite belts. EGU2015-6768 (Poster).
21. **Mazzini, Adriano**. Magmatic versus sedimentary volcanism: similarities of two different geological phenomena. EGU2015-15133 (Talk).
22. Metman, Maurits, Lennart de Groot**, Cedric Thieulot**, Andrew Biggin, **Wim Spakman** .The sensivity of geomagnetic reversal frequency to core-mantle boundary heat flux magnitude and heterogeneity. EGU2015-12055 (Poster)
23. **Minakov, Alexander Jan Inge Faleide**, Tamara Sakulina, Natalia Krupnova, Nikolai Dergunov. Joint pre-stack depth migration and travel-time tomography applied to a deep seismic profile across the northern Barents Sea igneous province. EGU2015-7726 (Talk).
24. **Minakov, Alexander**, Dmitriy Kolyukhin, Henk Keers. Imaging of 3D Ocean Turbulence Microstructure Using Low Frequency Acoustic Waves. EGU2015-2822 (Poster)
25. Mulyukova, Elvira, **Bernhard Steinberger**, Marcin Dabrowski, Stephan Sobolev. Survival of LLSVPs for Billions of Years in a Vigorously Convecting Mantle: Replenishment and Destruction of Chemical Anomaly. EGU2015-5234 (Poster).
26. Mulyukova, Elvira, Marcin Dabrowski, **Bernhard Steinberger**. Lagrangian numerical techniques for modelling multicomponent flow in the presence of large viscosity contrasts: Markers-in-bulk versus Markers-in-chain. EGU2015-13489 (Talk).
27. Naliboff, John and **Susanne Buiter**. Evolution of crustal faulting during the transition from orthogonal to oblique continental extension. EGU2015-6226 (Talk).
28. **Planke, Sverre, Henrik Svensen**, Joost Frieling, Appy Sluijs. Thermogenic degassing of methane during the PETM: Geochemical and palynological constrains from a borehole in the Norwegian Sea. EGU2015-7453 (Poster).
29. **Rolf, Tobias**, Fabio Capitanio, Paul Tackley. Earth's plate motion evolution and its link to global mantle dynamics. EGU2015-6234 (Talk).
30. **Rolf, Tobias, Stephanie Werner, Bernhard Steinberger**. On the origin of Venus' unusual gravity spectrum. EGU2015-6188 (Pico).
31. Sciarra, Alessandra, **Adriano Mazzini, Alwii Husein**, Soffian Hadi J., Giuseppe Etiope . Gas flux estimates at the LUSI eruption site. EGU2015-13106 (Talk).

32. **Shephard, Grace, Wim Spakman**, Isabelle Panet, **Carmen Gaina, Reidar Trønnes**. Tomographic, kinematic and gravitational evidence for a slab under Greenland and its potential links to Arctic magmatism. EGU2015-7839 (Poster).
33. Sibik, Svetlana, Marie Edmonds, Benoit Villemant, Pauline Thierry, **Alexander Polozov**. Did the Siberian Traps eruptions emit enough halogens to have an impact on ozone geochemistry? EGU2015-10778 (Talk).
34. Spacapan, Juán B., Olivier Galland, Héctor A. Leanza, **Sverre Planke**. Are sills really elastic hydraulic fractures? EGU2015-8876 (Poster).
35. **Svensen, Henrik H.**, Sergei Frolov, Grigorii G. Akhmanov**, Alexander G. Polozov, Sverre Planke**. Basin-scale distribution of sill intrusions in the Tunguska Basin, East Siberia, and the implications for the end-Permian environmental crisis. EGU2015-4847 (Poster)
36. **Thieulot, Cedric, Susanne Buiter**, Sascha Brune, Rhodri Davies, Thibault Duretz, Muriel Gerbault, Anne Glerum, Javier Quinteros, Stefan Schmalholz, **Wim Spakman** . A two- and three-dimensional numerical comparison study of slab detachment. EGU2015-9255 (Pico).
37. **Torsvik, Trond H. and Carmen Gaina**. Canadian Arctic Plate Reconstructions based on revised geological and geophysical data. EGU2015-5530 (Poster)
38. Tutu, Anthony Osei, **Bernhard Steinberger**, Irina Rogozhina, Stephan Sobolev. Constraints on the mantle and lithosphere dynamics from the observed geoid with the effect of visco-elasto-plastic rheology in the upper 300 km. EGU2015-12640 (Talk).
39. Vucic, Ljiljana, Edi Kissling, **Wim Spakman**, Branislav Glavatovic . Minimum 1D P- and S- Velocity Models for Montenegro and Vicinity. EGU2015-6492 (Talk).