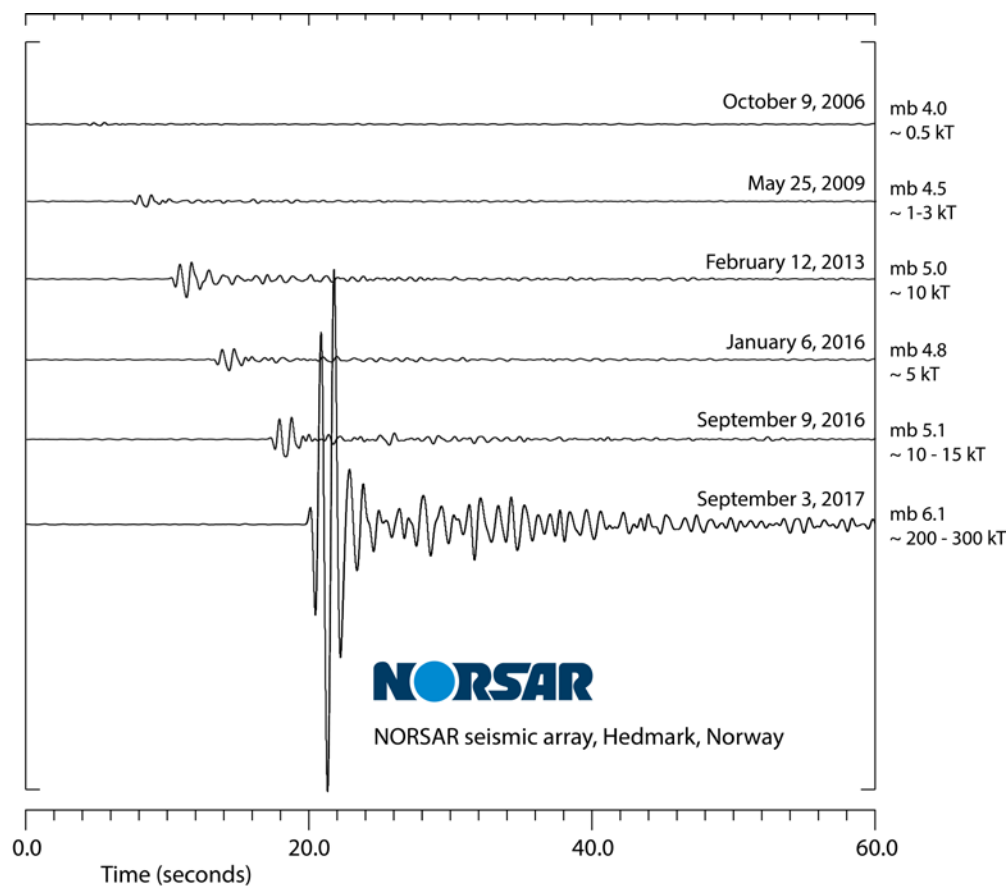


49th Nordic Seismology Seminar 3rd Nordic EPOS Meeting



24-27 September 2018
NORSAR, Kjeller, Norway

49th Nordic Seismology Seminar

24-26 September 2018
NORSAR, Kjeller

Program

Monday, 24 September 2018

- 11:30 – 12:15 Registration at NORSAR's premises at Kjeller
- 12:15 – 13:00 Lunch
- 13:00 – 14:45 Opening Session

Chair: Tormod Kværna

- Opening address by Arve E. Mjelva, Deputy Director of NORSAR
- Mathilde B. Sørensen
 - **What do we know about large historical earthquakes in Norway?**
- Conrad Lindholm
 - **A model for the Scandinavian Postglacial faults**
- Peter Schmidt and Björn Lund
 - **Fault stability in Fennoscandia during the Weichselian glaciation**
- Päivi Mäntyniemi, Mathilde B. Sørensen, Tatiana N. Tatevossian, Ruben E. Tatevossian and Björn Lund
 - **The Lurøy, Norway earthquake of 31 August 1819: A reappraisal of the data east of Norway**
- 14:45 – 16:00 Poster session and coffee break
 - Nicolai Rinds and Peter H. Voss
 - **The operations manual to produce the earthquake bulletin for Denmark and Greenland – a work in progress (poster)**
 - Peter H. Voss, M. B. Sørensen, Zeinab Jeddi and the INTAROS Team
 - **The status of the seismological component of INTAROS project (poster)**

Tuesday, 25 September 2018

- 09:00 – 10:30 Morning Session 1

Chair: Mathilde B. Sørensen

- Myrto Pirli, Sebastian Hainzl, Johannes Schweitzer, Andreas Köhler and Torsten Dahm
 - **Localised thickness variations and ephemeral grounding of the Fimbul Ice Shelf, East Antarctica, from tidally modulated cryoseismicity**
 - Andreas Köhler, Giusi Buscaino, Pierre Marie Lefeuvre, Valerie Maupin, Christopher Nuth, Michal Petlicki, Johannes Schweitzer and Christian Weidle
 - **Seismic monitoring of glaciers and permafrost: What micro-seismicity and ambient noise can tell us about cryospheric processes in Svalbard**
 - Johannes Schweitzer, Andreas Köhler and Christian Weidle
 - **Regional seismicity observed with two temporary seismic arrays in Kongsfjorden, Svalbard**
 - Steven J. Gibbons
 - **Improved location estimates for seismicity along the northern North Atlantic Ridge**
- 10:30 – 10:50 Coffee break

- 10:50 – 12:15 Morning Session 2

Chair: Peter H. Voss

- Svein Mykkeltveit
 - **Current status of implementation of the verification regime for the Comprehensive Nuclear-Test-Ban Treaty (CTBT)**
 - Tormod Kværna, Steven J. Gibbons and Svein Mykkeltveit
 - **The large nuclear test in North Korea on 3 September 2017 and its aftershocks**
 - Kostas Lentas, Dimitry Storchak and James Harris
 - **New additions in the ISC Bulletin: ISC focal mechanism solutions**
 - Björn Lund, Peter Schmidt, Hossein Shomali, Michael Roth and the SNSN team
 - **Current status and developments at the Swedish National Seismic Network**
- 12:15 – 13:00 Lunch
 - 13:00 – 14:15 Afternoon Session 1

Chair: Päivi Mäntyniemi

- Peter H. Voss
 - **Recent national and international activities at the seismological service at GEUS**
 - Jon Magnus Christensen
 - **NORSAR Stations Operations**
 - Zeinab Jeddi, Mathilde B. Sørensen, Peter H. Voss and the INTAROS Team
 - **Seismological monitoring in the Arctic: A brief introduction to INTAROS**
- 14:15 – 14:50 Poster session and coffee break
 - Ilmo Salmenperä, Tommi Vuorinen and Riina Aapasuo
 - **NorDB - Database solution for maintaining seismic metadata (poster)**
 - Z. Hossein Shomali, Björn Lund, Peter Schmidt and the SNSN team
 - **Monitoring the instrument response of The Swedish National Seismic Network (SNSN) (poster)**

- 14:50 – 16:20 Afternoon Session 2

Chair: Björn Lund

- Tommi Vuorinen, Riina Aapasuo, Ilmo Salmenperä and Päivi Mäntyniemi
 - **EVOGY – Evolving the Fennoscandian GMPEs: From Seismometers to Ground Motion Estimates**
 - Won-Young Kim and Lars Ottemöller
 - **Regional Body-Wave Magnitude Scale $m_b(P_n/S_n)$ for Earthquakes in the North Atlantic Region**
 - Norunn Tjåland and Lars Ottemöller
 - **Evaluation of Seismicity in the Northern North Sea**
 - Annie Elisabeth Jerkins, Steven Gibbons, Tormod Kværna and Johannes Schweitzer
 - **Location and Depth Estimation of the North Sea Earthquake of 30 June 2017**
- 19:00 Conference dinner hosted by NORSAR, Scandic Hotel, Lillestrøm

Wednesday, 26 September 2018

- 10:00 – 12:00 Morning Session

Chair: Johannes Schweitzer

- Jens Havskov, Mathilde B. Sørensen, Dina Vales, Mehmet Özyazıcıoğlu, Gerardo Sánchez and Bin Li
 - **Coda Q in different tectonic areas, influence of processing parameters**
 - Laure Duboeuf, Volker Oye, Inga Berre and Eirik Keilegavlen
 - **Induced seismicity in a geothermal reservoir: a case study in the Reykjanes peninsula in Iceland**
 - Yuriy Vinogradov and Elena Kremenetskaya
 - **The analysis of infrasound and seismic signals caused by helicopter crash in Svalbard on 26 October 2017**
 - Sven Peter Näsholm, Erik Mårten Blixt, Steven J. Gibbons, Felix B. Stettner and Tormod Kværna
 - **Interpreting explosive acoustic arrivals at the ARCES seismic array in the context of atmospheric cross-winds**
- 12:00 – 12:15 Closing remarks by organizers and invitation by next year's host
 - 12:15 – 13:00 Lunch

3rd Nordic EPOS Meeting

26-27 September 2018
NORSAR, Kjeller

Program

Wednesday, 26 September 2018

- 12:15 – 13:00 Lunch
- 13:00 – 14:30 Opening Session

Chair: Svein Mykkeltveit

- Kuvvet Atakan and the EPOS Consortium
 - **European Plate Observing System (EPOS): Establishing a Sustainable Research Infrastructure in Solid Earth Science**
- Aleksi Aalto
 - **Finland in the European Plate Observing System - Looking forward to the next decade**
- Tor Langeland, Ove Daae Lampe and Gro Fonnes
 - **EPOS-N E-infrastructure development – the Norwegian National Web Portal**
- Jan Michalek, Christian Rønnevik, Terje Utheim, Øyvind Natvik, Lars Ottemöller, Ulf Baadshaug, Jon Magnus Christensen
 - **Building UIB-NORSAR EIDA node - integration of Norwegian seismic data into EPOS**
- 14:30 – 14:50 Coffee break

- 14:50 – 16:10 Afternoon session
 - Svein Mykkeltveit
 - **Status for the new seismic array on Bjørnøya, to be established as part of EPOS-Norway**
 - Jan Michalek, Kuvvet Atakan, Xiaoliang Wang, Christian Ronnevik, Tor Langeland, Ulf Baadshaug, Jon Magnus Christensen, Halfdan Pascal Kierulf, Bjørn-Ove Grøtan
 - **EPOS-Norway – Integration of Norwegian geoscientific data into a common e-Infrastructure (poster)**
 - Xiaoliang Wang
 - **GRanularity DataBase (GRDB) in EPOS (poster)**

Thursday, 27 September 2018

Chair: Kuvvet Atakan

- 09:00 – 10:30 Discussion among all EPOS participants
- 10:30 – 10:50 Coffee break
- 10:50 – 12:15 Discussion among all EPOS participants
- 12:15 – 13:00 Lunch