

Joint Nordic EPOS and 53rd Nordic Seismology Seminar
25.–27.10.2022, Helsinki, Finland & Zoom

Updated program

Tuesday 25.10.2022

Time	Duration	Presenter & title
10:00–11:00	60 min	Registration and morning coffee (Physicum lobby)
Opening of the meeting (11:00–11.45) (Physicum, D101) <i>Chair: Annakaisa Korja</i>		
11:00–11:10	10 min	Welcome words
11:10–11:25	15 min	Korja: Updates on FIN-EPOS and Nordic EPOS and introduction to EPOS videos
11:25–11:40	15 min	Michalek: Update on developments in EPOS (remote)
Session 1: Monitoring seismology (11:45–13:00) <i>Chair: Pasi Lindblom</i>		
11:45–12:00	15 min	Roth: Swedish National Seismic Network - News and Status 2022
12:00–12:15	15 min	Lindblom: Finnish National Seismic Network (FNSN)
12:15–12:30	15 min	Weidle: Seismic monitoring in Northern Germany (remote)
12:30–12:45	15 min	Vogfjörd: SIL seismic network and data management and quality control (remote)
12:45–13:00	15 min	Discussion
13:00–14:15	75 min	Lunch
Session 1: Monitoring seismology - continues (14:15–15:40) <i>Chair: Michael Roth</i>		
14:15–14:30	15 min	Uhlmann: Managing logistically challenging broadband monitoring projects on high latitudes using latest generation seismic instrumentation
14:30–14:45	15 min	Seipäjärvi: Latest updates and maintenance of IMS station PS17 FINES array
14:45–15:00	15 min	Eggertsson: Automatic event classification in Sweden
15:00–15:15	15 min	Gallacher: Seismic Station Polarity Reversal Detection Using Parametric Data from the ISC Bulletin (remote)
15:15–15:30	15 min	Heikkilä: NorDB database system
15:30–15:40	10 min	Discussion
15:40–16:00	20 min	Coffee/tea break
Session 2: Introduction to posters (16:00–16:45) <i>Chair: Päivi Haapanala</i>		
16:00–16:45	45 min	Poster advertisements (2 min presentations) <i>Posters are listed below (page 4)</i>
Poster session (16:45–18.45) (Exactum 1st floor lobby, onsite only)		
16:45–18:45	120 min	Posters in Exactum lobby (salad and drinks available)
End of day one (19:00) Casual get-together at Sauna Hermanni		

Wednesday 26.10.2022

Time	Duration	Presenter & title
9:00–10:00	60 min	Onsite technical staff meeting (Institute of Seismology, Exactum 4 th floor)
10:00–10:30	30 min	Morning coffee and tea (Physicum lobby)
Session 3: Seismicity and local seismic events (10:30–12:00) <i>Chair: Kati Oinonen</i>		
10:30–10:45	15 min	Keers: Elastic isotropic modeling and full waveform inversion for regional seismology (remote)
10:45–11:00	15 min	Soosalu: Recent Intraplate Seismicity in Estonia, East European Platform
11:00–11:15	15 min	Sorensen: Earthquake-induced landslides in Norway
11:15–11:30	15 min	Lund: The 26 September blasts in the southern Baltic (remote)
11:30–11:45	15 min	Köhler: NORSAR's analysis of the Northstream explosions
11:45–12:00	15 min	Discussion
12:00–13:15	75 min	Lunch
Session 4: Induced seismicity and hazard (13:15–14:30) <i>Chair: Heidi Soosalu</i>		
13:15–13:30	15 min	Vuorinen: Detection of Induced Seismicity With a Dense Surface Network: Otaniemi Case
13:30–13:45	15 min	Kumar: Seismic Hazard Analysis of a mined-out areas (remote)
13:45–14:00	15 min	Rintamäki: Full moment tensors of the induced seismicity in the Otaniemi enhanced geothermal system
14:00–14:15	15 min	Atobra: DRM in Geothermal systems
14:15–14:30	15 min	Discussion
14:30–14:45	15 min	Break
Session 5: RI management (14:45–15:30) <i>Chair: Peter Voss</i>		
14:45–15:00	15 min	Voss: Nordic EPOS Research Infrastructure Management – Plans and Recommendations
15:00–15:30	30 min	Sharing best practices
15:30–16:00	30 min	Coffee/tea break
Social program 16–>		
16.00–17.00	30-60 min	Tour around Kumpula Campus (Institute of Seismology and instrument pool facilities) <i>Meeting rooms available for discussions and/or for working</i>
18:30–		Dinner at restaurant Sunn (Aleksanterinkatu 26, Helsinki, 2 nd floor)

Thursday 27.10.2022

Time	Duration	Presenter & title
09:00–10:15	75 min	Analyst meeting (Institute of Seismology, Exactum 4 th floor)
10:00–10:30	30 min	Morning coffee and tea (Physicum lobby)
Session 6: Seismic hazard and risk (10:30–12:30) <i>Chair: Mathilde Sørensen</i>		
10:30–10:45	15 min	Fülöp: A new seismic source zone model for Finland
10:45–11:00	15 min	Karlsen: New seismic hazard model for Norway
11:00–11:15	15 min	Joshi: Probabilistic Seismic Hazard Assessment of Sweden
11:15–11:30	15 min	Halldorsson: Overview of the ESHM20 results for Iceland and comparison with previous estimates (remote)
11:30–12:30	60 min	Hazard discussion
12:30–13:45	75 min	Lunch (Hazard discussion continues over lunch)
Session 6: Seismic hazard and risk - continues (13:45–14:30) <i>Chair: Tommi Vuorinen</i>		
13:45–14:00	15 min	Mäntyniemi: A Bayesian prior distribution of the maximum credible magnitude, M _{max} , for Fennoscandia
14:00–14:15	15 min	Ghione: Building typologies for Norway: a case study for Oslo using machine learning
14:15–14:30	15 min	Halldorsson: The estimation of new geology-based frequency-dependent site amplification functions for Iceland (remote)
14:30–14:45	15 min	Discussion
Session 7: FAIRness (14:45–15:45) <i>Chair: Jan Michalek</i>		
14:45–15:00	15 min	Nedrebø: Results from FAIRness Survey among Nordic Countries
15:00–15:15	15 min	Júlíusdóttir: Earth science data from Iceland in FAIR access
15:15–15:45	30 min	Discussion
Closing session (15:45–16:00)		
15:45–16:00	15 min	Wrap up
16:00–16:30	30 min	Ware fell coffee and tea
End of the meeting 16.30		

Poster Session
Tuesday 25th October

Presenter & title
Haapanala: Finnish Seismic Instrument Pool
Haapanala: Solid Earth Science RI collaboration in Finland
Hällsten: Åland network
Joshi: Probabilistic seismic hazard assessment of Sweden
Junno: SEISMIC RISK – Mitigation of induced seismic risk in urban environment
Luhta: Complementing monitoring networks with SmartSolos
Nedrebø: FAIRness Data Survey presentation by EPOS UiB
Pekkala: The Scandinavian Arctic Continental Experiment (SCARCE) – Installation and scientific goals
Sadeghi-Bagherabadi: High-Resolution Crustal S-wave Velocity Model and Moho Geometry Beneath the Southeastern Alps: New Insights From the SWATH-D Experiment
Shomali: The SNSN automatic bulletin
Silvennoinen: Northern Finland seismological network in 2022 Sodankylä geophysical observatory, University of Oulu, Finland
Soosalu: Nordic Seismology Hardware Knowledge Sharing
Veikkolainen: Monitoring urban seismicity with the HelsinkiNet network
Voss: The SHARP Storage project
Voss: Cryo-generated seismic events in Greenland

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Participants

	Name		Affiliation	Country	
ONSITE	1	Kwabena	Atobra	Institute of Seismology, University of Helsinki	Finland
	2	Letizia	Caravella	Institute of Seismology, University of Helsinki	Finland
	3	Ben	Dando	NORSAR	Norway
	4	Gunnar	Eggertsson	Uppsala University	Sweden
	5	Federica	Ghione	NORSAR	Norway
	6	Päivi	Haapanala	Institute of Seismology, University of Helsinki	Finland
	7	Jennifer	Hällsten	Institute of Seismology, University of Helsinki	Finland
	8	Taavi	Heikkilä	Institute of Seismology, University of Helsinki	Finland
	9	Niranjana	Joshi	Uppsala University	Sweden
	10	Niina	Junno	Institute of Seismology, University of Helsinki	Finland
	11	Outi	Kaisko	Rock Mechanics Consulting Finland Oy	Finland
	12	Maren Kjos	Karlsen	University of Bergen	Norway
	13	Andreas	Köhler	NORSAR	Norway
	14	Kari	Komminaho	Institute of Seismology, University of Helsinki	Finland
	15	Annakaisa	Korja	University of Helsinki	Finland
	16	Jari	Kortström	Institute of Seismology, University of Helsinki	Finland
	17	Pasi	Lindblom	Institute of Seismology, University of Helsinki	Finland
	18	Tuija	Luhta	Institute of Seismology University of Helsinki	Finland
	19	Björn	Lund	Uppsala University	Sweden
	20	Päivi	Mäntyniemi	Institute of Seismology, University of Helsinki	Finland
	21	Janne	Narkilahti	University of Oulu / SGO	Finland
	22	Harald	Nedrebø	University of Bergen	Norway
	23	Mari	Nesse	University of Bergen	Norway
	24	Kati	Oinonen	Institute of Seismology, University of Helsinki	Finland
	25	Berit Opsahl	Paulsen	NORSAR	Norway
	26	Minttu	Pekkala	Institute of Seismology, University of Helsinki	Finland
	27	Sara	Rezaei	University of Bergen (UiB)	Norway
	28	Annukka	Rintamäki	Institute of Seismology, University of Helsinki	Finland
	29	Michael	Roth	Uppsala University	Sweden
	30	Amir	Sadeghi-Bagherabadi	Institute of Seismology, University of Helsinki	Finland
	31	Laura	Säilä-Corfe	University of Helsinki	Finland
	32	Peter	Schmidt	Uppsala University	Sweden
	33	Pirita	Seipäjärvi	Institute of Seismology, University of Helsinki	Finland
	34	Hanna	Silvennoinen	University of Oulu / SGO	Finland
	35	Heidi	Soosalu	Geological Survey of Estonia	Estonia
	36	Mathilde	Sørensen	University of Bergen	Norway
	37	Berit Marie	Storheim	University of Bergen	Norway
	38	Timo	Tiira	Institute of Seismology, University of Helsinki	Finland
	39	Steffen	Uhlmann	IGM GmbH / Nanometrics Inc.	Germany
	40	Toni	Veikkolainen	Institute of Seismology, University of Helsinki	Finland
	41	Peter	Voss	GEUS	Denmark
	42	Tommi	Vuorinen	Institute of Seismology, University of Helsinki	Finland

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Participants

	Name		Affiliation	Country	
REMOTE	1	Celso	Alvizuri	NORSAR	Norway
	2	Katriina	Arhe	Retired / Seismo FI	Finland
	3	Trine	Dahl-Jensen	Geological Survey of Denmark and Greenland	Denmark
	4	Ludovic	Fülöp	VTT Technical Research Centre of Finland	Finland
	5	Ryan	Gallacher	International Seismological Centre	UK
	6	Gunnar B.	Gudmundsson	Icelandic Meteorological Office	Iceland
	7	Benedikt	Halldorsson	University of Iceland	Iceland
	8	Ríkey	Júlíusdóttir	Icelandic Meteorological Office	Iceland
	9	Henk	Keers	University of Bergen	Norway
	10	Marie	Keiding	Geological Survey of Denmark and Greenland	Denmark
	11	Vikalp	Kumar	National Institute of Rock Mechanics	India
	12	Tine	Larsen	Geological Survey of Denmark and Greenland	Denmark
	13	Jan	Michalek	University of Bergen	Norway
	14	Tora Haugen	Myklebust	UiB, AkerBP	Norway
	15	Andrius	Pacesa	Lithuanian Geological Survey	Lithuania
	16	Stevan	Plasonja	Kinematics Inc.	USA
	17	Aasiya	Qadir	University of Parma, Italy	India
	18	Nicolai	Rinds	Geological Survey of Denmark and Greenland	Denmark
	19	Marja	Uski	University of Helsinki	Finland
	20	Kristín	Vogfjörð	Veðurstofa Íslands	Iceland
	21	Christian	Weidle	CAU Kiel	Germany