DeepNL Webinar Series on Induced Seismicity
6 until 10 July 2020

This summer the NWO research programme DeepNL will organise a Webinar Series on Induced Seismicity. DeepNL aims to improve the fundamental understanding of the dynamics of the deep subsurface under the influence of human interventions. The webinar series will cover various topics related to induced seismicity with daily lectures by several national and international experts.

Goal and audience
The webinar series is aimed at the early career researchers within the current eight DeepNL projects to provide a strong knowledge base in the early stage of the projects. The webinar series will also be open for external researchers, graduating MSc students and professionals from public and private sector, who work on related topics. The working language during the webinars will be English.

Registration
Registration is required and can be done until July 1st via the online registration form. Non-DeepNL researchers are requested to provide a brief motivation for their participation. The organisation committee will evaluate the motivation and may decline a registration in case it is insufficiently clear that the knowledge level and professional activities match with the Webinar programme.

Organisation committee
The webinar series is organised by Dr Ylona van Dinther (UU), Prof. Jan-Dirk Jansen (TUD), Dr Kees Weemstra (TUD) and Prof. Chris Spiers (UU). The organisation committee is assisted by Niels van den Berg and Cindy Remijnse-Schrader of the NWO DeepNL-office.

For more information please contact the DeepNL-office through deepnl@nwo.nl

Preliminary Programme:

Monday July 6
09:00 – 09:05 Introduction
Dr. Ylona van Dinther (Utrecht University)
09:05 – 12:00 Induced seismicity in Groningen: background & previous work
Prof. Rien Herber (University of Groningen) & Ir. Jan van Elk (NAM)
13:00 – 14:15 Pitches by DeepNL PhD’s and postdocs (session 1)
DeepNL PhD students and postdocs present their work in 3 minutes

Tuesday July 7
13:00 – 14:15 Pitches by DeepNL PhD’s and postdocs (session 2)
DeepNL PhD students and postdocs present their work in 3 minutes
15:00 – 18:00 Reservoir mechanics
Prof. Mark Zoback (Stanford University) & Dr. Suzanne Hangx (Utrecht University)

Wednesday July 8
15:00 – 18:00 From reservoir mechanics to earthquake physics
Prof. Jean-Philippe Avouac (CalTech) & Dr. Peter van den Bogert (Shell)

Thursday July 9
09:00 – 12:00 Earthquake physics from a modelling and laboratory perspective
Prof. Jean Paul Ampuero (GeoAzur, CalTech) & Dr. André Niemeijer (Utrecht University)
13:00 – 14:00 Breakout sessions for new collaborations within DeepNL projects
Discussion in smaller groups to foster new collaborations and stimulate discussions

Friday July 10
09:00 – 12:00 Imaging Seismicity: waveform analysis and source characterisation
Prof. Thorsten Dahm (GFZ-Potsdam) & Dr. Elmer Ruigrok (KNMI, Utrecht University)
13:00 – 14:00 Overall summary and reflection
Summaries from breakout sessions and reflection from the organisation committee

Central European Summer Time (CEST)