

# 3D Earth Spring school – Virtual Meeting 2021

Agenda		
Time (UTC +2)	Topic	Speaker
<b>Day 1</b>		
09:00-09:10	Welcome	Haagmans
09:10-10:00	Satellite data for Geophysics	Ebbing
10:00-10:30	3D Earth products in GPlates	Gaina
10:30-12:00	Gravity data sensitivity	Root
12:00-13:00	Lunch	
13:00-13:45	Concept of gravity inversion by stepwise implementing constraints	Holzrichter
13:45-16:00	Application	Holzrichter
16:00 – 17:00	Icebreaker at Wonder.me	All
<b>Day 2</b>		
09:00-10:00	Introduction to joint inversion	Moorkamp
10:00-12:00	Concepts of Integrated geophysical-petrological, thermochemical modelling	Fullea
12:00-13:00	Lunch	
13:00-15:00	Integrated geophysical-petrological, thermochemical inversion	Fullea
15:00-16:00	Example Sumatra & Discussion	Root
<b>Day 3</b>		
9:00-10:00	Mantle conductivity, joint inversion and mutual information	Moorkamp
10:00-12:00	Joint inversion and mutual information	Moorkamp
13:00-14:00	Joint inversion and mutual information	Moorkamp
14:00-15:00	Mantle conductivity from WINTERC and Swarm	Martinec
15:00-16:00	Joint inversion and mutual information	Moorkamp
<b>Day 4</b>		
09:00-10:00	Heat-Flow, Curie isotherm and Magnetic data	Ebbing
10:00-12:00	Magnetic inversion for magnetic sources	Szwillus
13:00-13:30	Bayesian inversion -Concepts	Szwillus
13:30-16:00	Bayesian inversion for magnetic sources	Szwillus
16:00	Feedback and summary	

Talks

Lectures-Practicals