

ERE – Energy, Resources and the Environment (#EGU17ERE) – Orals

Monday, 24 April

MO1 , 08:30–10:00	ERE1.1 , Energy, Resources & the Environment, 08:30–12:00 , Room 0.94
	TS2.3/EMRP4.21/ERE5.7 , Structures and patterns in fractured and porous media: witnesses for paleostress and fluid flow (co-organized), 08:30–12:00 , Room G1
	HS8.1.7/ERE5.10/GM8.10/GMPV3.7 , Reactive transport, mineral dissolution and precipitation in fractured and porous rock: experiments, models and field observations (co-organized), 08:30–12:00 , Room 2.15
MO2 , 10:30–12:00	ERE1.1 , Energy, Resources & the Environment, 08:30–12:00 , Room 0.94
	TS2.3/EMRP4.21/ERE5.7 , Structures and patterns in fractured and porous media: witnesses for paleostress and fluid flow (co-organized), 08:30–12:00 , Room G1
	HS8.1.7/ERE5.10/GM8.10/GMPV3.7 , Reactive transport, mineral dissolution and precipitation in fractured and porous rock: experiments, models and field observations (co-organized), 08:30–12:00 , Room 2.15
MOL , 12:15–13:15	UMI0 , Plenary, 12:15–13:15 , Room E1
MO3 , 13:30–15:00	ERE1.2 , Energy and environmental system interactions – Policy and modelling, 13:30–15:00 , Room L2
	ERE2.1 , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, 13:30–17:00 , Room 0.94
	GM12.2/ERE1.9/SSP1.6/TS6.7 , Extended Continental Shelf Mapping: a wealth of new scientific challenges (co-organized), 13:30–17:00 , Room L3
MO4 , 15:30–17:00	ERE2.1 , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, 13:30–17:00 , Room 0.94
	ERE3.6 , The role of biomass in a sustainable bio-economy: implications for land use, climate and environmental services, 15:30–17:00 , Room L2
	GM12.2/ERE1.9/SSP1.6/TS6.7 , Extended Continental Shelf Mapping: a wealth of new scientific challenges (co-organized), 13:30–17:00 , Room L3
	SSS10.12/ERE2.5 , Conservation of land resources and land tenure systems (co-organized), 15:30–17:15 , Room -2.20

Tuesday, 25 April

TU1 , 08:30–10:00	ERE3.2/OS4.8 , Marine renewable energy; resource characterisation, interactions and impacts (co-organized), 08:30–10:00 , Room 0.94
	ERE4.3 , Unconventional hydrocarbon resources: Advances and new technologies, 08:30–10:00 , Room 0.96
TU2 , 10:30–12:00	ERE5.5 , Process quantification and modelling in subsurface utilization, 10:30–12:00 , Room 0.96
TU3 , 13:30–15:00	HS5.8/ERE3.8 , Hydropower and other renewable sources of energy for a sustainable future: modelling and management issues (co-organized), 13:30–15:00 , Room 2.44
TU4 , 15:30–17:00	GMPV1.3/EMRP4.32/ERE6.5/SSP1.8/TS3.8 , Multi-scale analysis of geological materials: Minerals, Fluids, Cracks, Pores & Permeability (Sponsored by AGU-VGP) (co-organized), 15:30–17:00 , Room 2.20

Wednesday, 26 April

WE2 , 10:30–12:00	HS8.2.3/ERE6.7 , Thermal and mechanical processes and energy storage in porous and fractured aquifers (co-organized), 10:30–12:00, Room 2.95
WE3 , 13:30–15:00	ERE3.1 , Energy meteorology and spatial modelling of renewable energies, 13:30–17:00, Room L8
WE4 , 15:30–17:00	ERE3.1 , Energy meteorology and spatial modelling of renewable energies, 13:30–17:00, Room L8
	ERE5.4 , Geological CO2 storage: Field methods and analysis of field data from sites and natural analogues, 15:30–17:00, Room M2

Thursday, 27 April

TH1 , 08:30–10:00	ERE6.1 , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, 08:30–15:00, Room L8
TH2 , 10:30–12:00	ERE6.1 , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, 08:30–15:00, Room L8
TH3 , 13:30–15:00	ERE3.5 , Numerical modeling in geothermics, 13:30–15:00, Room D2
	ERE6.1 , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, 08:30–15:00, Room L8
TH4 , 15:30–17:00	ERE1.4/EMRP4.40/TS2.6 , Fracture, mechanics and flow in tight reservoirs (co-organized), 15:30–17:00, Room 0.96
	ERE3.4 , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, 15:30–17:00, Room D2
	ERE6.2 , Natural stone research and Heritage stone designation., 15:30–17:00, Room L8
	EMRP1.1/ERE1.10/GI3.15 , Evaluation of coupled reservoir processes: laboratory experiments and numerical modelling (co-organized), 15:30–17:00, Room 0.31

Friday, 28 April

FR1 , 08:30–10:00	ERE3.4 , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, 08:30–15:00, Room D2
	ERE3.7/HS5.11 , Renewable energy and environmental systems: modelling, control and management for a sustainable future (co-organized), 08:30–10:00, Room M2
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8
FR2 , 10:30–12:00	ERE4.1/EMRP4.15/HS11.6/TS2.5 , Mechanics and flows in shale rocks: properties and processes (co-organized), 10:30–17:00, Room D2
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8
	SM4.1/ERE6.4 , Imaging and inversion to explore the Earth's crust (co-organized), 10:30–17:00, Room 1.61

FRL, 12:15–13:15	DM6/ERE, Division meeting for Energy, Resources and the Environment (ERE) (co-organized), 12:15–13:15, Room M1
FR3, 13:30–15:00	ERE3.4, Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, 08:30–15:00, Room 0.96
	ERE4.1/EMRP4.15/HS11.6/TS2.5, Mechanics and flows in shale rocks: properties and processes (co-organized), 10:30–17:00, Room D2
	SM4.1/ERE6.4, Imaging and inversion to explore the Earth's crust (co-organized), 10:30–17:00, Room 1.61
FR4, 15:30–17:00	ERE4.1/EMRP4.15/HS11.6/TS2.5, Mechanics and flows in shale rocks: properties and processes (co-organized), 10:30–17:00, Room D2
	GM7.2/ERE2.4/HS11.17/OS2.6, Sustainable management of river deltas under pressure (co-organized), 15:30–17:00, Room N1
	SM4.1/ERE6.4, Imaging and inversion to explore the Earth's crust (co-organized), 10:30–17:00, Room 1.61

ERE – Energy, Resources and the Environment (#EGU17ERE) – PICOs

Thursday, 27 April

TH2, 10:30–12:00	TS8.2/ERE1.7/SM4.8, Unravelling the Earth subsurface structure from seismic imaging and interpretation, geological observations, and numerical experiments (co-organized), PICO spot A
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ERE – Energy, Resources and the Environment (#EGU17ERE) – Posters

Monday, 24 April

MO2 , 10:30–12:00	GM12.2/ERE1.9/SSP1.6/TS6.7 , Extended Continental Shelf Mapping: a wealth of new scientific challenges (co-organized), Hall X2, X2.88–X2.115
MO5 , 17:30–19:00	ERE1.1 , Energy, Resources & the Environment, Hall X1, X1.1–X1.23
	ERE1.2 , Energy and environmental system interactions – Policy and modelling, Hall X1, X1.24–X1.46
	ERE1.6 , Securing sustainable supplies of mineral resources for the low carbon economy, Hall X1, X1.47–X1.56
	ERE2.1 , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, Hall X1, X1.57–X1.79
	ERE3.6 , The role of biomass in a sustainable bio-economy: implications for land use, climate and environmental services, Hall X1, X1.80–X1.90
	ERE4.3 , Unconventional hydrocarbon resources: Advances and new technologies, Hall X1, X1.91–X1.113
	SSS10.12/ERE2.5 , Conservation of land resources and land tenure systems (co-organized), Hall X1, X1.345–X1.357
	TS2.3/EMRP4.21/ERE5.7 , Structures and patterns in fractured and porous media: witnesses for paleostress and fluid flow (co-organized), Hall X2, X2.188–X2.212
HS8.1.7/ERE5.10/GM8.10/GMPV3.7 , Reactive transport, mineral dissolution and precipitation in fractured and porous rock: experiments, models and field observations (co-organized), Hall A, A.376–A.394	

Tuesday, 25 April

TU5 , 17:30–19:00	ERE3.1 , Energy meteorology and spatial modelling of renewable energies, Hall X1, X1.1–X1.36
	ERE3.2/OS4.8 , Marine renewable energy; resource characterisation, interactions and impacts (co-organized), Hall X1, X1.37–X1.55
	ERE5.4 , Geological CO2 storage: Field methods and analysis of field data from sites and natural analogues, Hall X1, X1.56–X1.72
	ERE5.5 , Process quantification and modelling in subsurface utilization, Hall X1, X1.73–X1.86
	HS5.8/ERE3.8 , Hydropower and other renewable sources of energy for a sustainable future: modelling and management issues (co-organized), Hall A, A.122–A.136
	GI3.6/EMRP4.18/ERE5.9/SSP1.7/SSS12.27 , Geoscientific Underground Labs and Test Sites (co-organized), Hall X4, X4.215–X4.224
	GMPV1.3/EMRP4.32/ERE6.5/SSP1.8/TS3.8 , Multi-scale analysis of geological materials: Minerals, Fluids, Cracks, Pores & Permeability (Sponsored by AGU-VGP) (co-organized), Hall X2, X2.344–X2.369
	EMRP2.2/ERE6.6 , Advancements in magnetic field studies and natural resources exploration (co-organized), Hall X2, X2.117–X2.129

Wednesday, 26 April

WE5 , 17:30–19:00	HS8.2.3/ERE6.7 , Thermal and mechanical processes and energy storage in porous and fractured aquifers (co-organized), Hall A, A.215–A.233
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Thursday, 27 April

TH5, 17:30–19:00	ERE1.4/EMRP4.40/TS2.6 , Fracture, mechanics and flow in tight reservoirs (co-organized), Hall X1, X1.1–X1.15
	ERE3.4 , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, Hall X1, X1.16–X1.55
	ERE3.5 , Numerical modeling in geothermics, Hall X1, X1.56–X1.77
	ERE3.7/HS5.11 , Renewable energy and environmental systems: modelling, control and management for a sustainable future (co-organized), Hall X1, X1.78–X1.93
	ERE5.1 , The future of geo-energy: understanding the subsurface for safer energy production and storage, Hall X1, X1.94–X1.110
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), Hall X4, X4.234–X4.252
	EMRP1.1/ERE1.10/GI3.15 , Evaluation of coupled reservoir processes: laboratory experiments and numerical modelling (co-organized), Hall X2, X2.117–X2.132

Friday, 28 April

FR2, 10:30–12:00	ERE6.1 , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, Hall X1, X1.44–X1.78
	ERE6.2 , Natural stone research and Heritage stone designation, Hall X1, X1.79–X1.98
FR5, 17:30–19:00	ERE2.3 , Petroleum exploration and production and their impact on the environment, Hall X1, X1.1–X1.7
	ERE4.1/EMRP4.15/HS11.6/TS2.5 , Mechanics and flows in shale rocks: properties and processes (co-organized), Hall X1, X1.8–X1.43
	GM7.2/ERE2.4/HS11.17/OS2.6 , Sustainable management of river deltas under pressure (co-organized), Hall X2, X2.170–X2.188
	SM4.1/ERE6.4 , Imaging and inversion to explore the Earth's crust (co-organized), Hall X3, X3.1–X3.32