

## ERE – Energy, Resources and the Environment (#EGU18ERE) – Orals

### Monday, 09 April

<b>MO1</b> , 08:30–10:00	<b>ERE1.1</b> , Energy, Resources & the Environment, <b>08:30–10:00</b> , <b>Room M1</b>
	<b>GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8</b> , COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), <b>08:30–11:45</b> , <b>Room 0.49</b>
	<b>GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33</b> , Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), <b>08:30–12:00</b> , <b>Room 0.96</b>
<b>MO2</b> , 10:30–12:00	<b>ERE3.4</b> , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, <b>10:30–15:00</b> , <b>Room L2</b>
	<b>GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8</b> , COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), <b>08:30–11:45</b> , <b>Room 0.49</b>
	<b>GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33</b> , Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), <b>08:30–12:00</b> , <b>Room 0.96</b>
<b>MO3</b> , 13:30–15:00	<b>ERE3.4</b> , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, <b>10:30–15:00</b> , <b>Room L2</b>
<b>MO4</b> , 15:30–17:00	<b>ERE3.5</b> , Numerical modeling in geothermics, <b>15:30–17:00</b> , <b>Room L2</b>
	<b>HS8.2.3/ERE6.4</b> , Thermal and mechanical processes and energy storage in porous and fractured aquifers (co-organized), <b>15:30–17:00</b> , <b>Room B</b>

### Tuesday, 10 April

<b>TU1</b> , 08:30–10:00	<b>ERE1.2</b> , Energy and environmental system interactions – Policy and modelling, <b>08:30–12:00</b> , <b>Room M1</b>
<b>TU2</b> , 10:30–12:00	<b>ERE1.2</b> , Energy and environmental system interactions – Policy and modelling, <b>08:30–12:00</b> , <b>Room M1</b>
<b>TU3</b> , 13:30–15:00	<b>GMPV6.6/ERE3.6/NH2.10</b> , Volcanic resources (co-organized), <b>13:30–15:00</b> , <b>Room -2.32</b>
<b>TU4</b> , 15:30–17:00	<b>ERE4.2</b> , Unconventional hydrocarbon resources: Advances and new technologies, <b>15:30–17:00</b> , <b>Room M1</b>

### Wednesday, 11 April

<b>WE1</b> , 08:30–10:00	<b>ERE7.1</b> , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, <b>08:30–12:00</b> , <b>Room M1</b>
	<b>IE2.2/GMPV1.4/BG1.11/CL4.29/ERE1.6/GD3.6/PS1.1/SSP1.10</b> , Terrestrial Planet Evolution: deep carbon cycle and interior/exterior coupling (co-organized), <b>08:30–10:00</b> , <b>Room N2</b>
<b>WE2</b> , 10:30–12:00	<b>ERE7.1</b> , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, <b>08:30–12:00</b> , <b>Room M1</b>
	<b>HS5.7/ERE3.8</b> , Advances in modeling and control of environmental systems: from drainage and irrigation to hybrid energy generation.

	(co-organized), <b>10:30–12:00, Room 2.95</b>
<b>WE3</b> , 13:30–15:00	<b>ERE2.1</b> , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, <b>13:30–17:00, Room M1</b>
<b>WE4</b> , 15:30–17:00	<b>ERE2.1</b> , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, <b>13:30–17:00, Room M1</b> <b>ERE6.3/EMRP4.1/TS2.6</b> , Fracture, mechanics and flow in tight reservoirs (co-organized), <b>15:30–17:00, Room 0.49</b>
<b>Thursday, 12 April</b>	
<b>TH1</b> , 08:30–10:00	<b>ERE3.1</b> , Energy meteorology and spatial modelling of renewable energies, <b>08:30–12:00, Room M1</b> <b>GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16</b> , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), <b>08:30–12:00, Room 0.49</b>
<b>TH2</b> , 10:30–12:00	<b>ERE3.1</b> , Energy meteorology and spatial modelling of renewable energies, <b>08:30–12:00, Room M1</b> <b>GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16</b> , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), <b>08:30–12:00, Room 0.49</b>
<b>TH3</b> , 13:30–15:00	<b>ERE5.3</b> , Process quantification and modelling in subsurface utilization (including ERE Division Outstanding ECS Lecture), <b>13:30–15:00, Room M1</b> <b>ML37/ERE</b> , ERE Division Outstanding ECS Lecture by Victor Vilarrasa (co-organized), <b>14:45–15:00, Room M1</b>
<b>TH4</b> , 15:30–17:00	<b>ERE6.1</b> , Evaluation of coupled THMC processes related to geo-energy applications: from laboratory to reservoir scale, <b>15:30–17:00, Room M1</b>
<b>Friday, 13 April</b>	
<b>FR1</b> , 08:30–10:00	<b>HS8.1.7/ERE6.5</b> , Reactive transport, mineral dissolution and precipitation in fractured and porous rock: experiments, models and field observations (co-organized), <b>08:30–10:00, Room 2.31</b>
<b>FRL</b> , 12:15–13:15	<b>DM6/ERE</b> , Division meeting for Energy, Resources and the Environment (ERE) (co-organized), <b>12:15–13:15, Room L2</b>
<b>FR3</b> , 13:30–15:00	<b>ERE5.5</b> , Assessment of Barrier Integrity in Geological Repositories for Nuclear Waste Disposal and Contaminant Isolation, <b>13:30–17:00, Room M1</b>
<b>FR4</b> , 15:30–17:00	<b>ERE5.5</b> , Assessment of Barrier Integrity in Geological Repositories for Nuclear Waste Disposal and Contaminant Isolation, <b>13:30–17:00, Room M1</b>

## ERE – Energy, Resources and the Environment (#EGU18ERE) – PICO

**Wednesday, 11 April**

<b>WE1, 08:30–10:00</b>	<b>HS7.3/CL2.19/ERE2.5/NH1.16/NP9.1, Water, climate, food and health (co-organized), PICO spot 5b</b>
<b>WE2, 10:30–12:00</b>	<b>HS7.3/CL2.19/ERE2.5/NH1.16/NP9.1, Water, climate, food and health (co-organized), PICO spot 5b</b>

## ERE – Energy, Resources and the Environment (#EGU18ERE) – Posters

### Monday, 09 April

<b>MO5</b> , 17:30–19:00	<b>ERE1.1</b> , Energy, Resources & the Environment, <b>Hall X4, X4.346–X4.373</b>
	<b>ERE3.3/OS4.9</b> , Marine renewable energy; resource characterisation, interactions and impacts (co-organized), <b>Hall X4, X4.374–X4.384</b>
	<b>ERE3.4</b> , Conventional and unconventional geothermal resources: Advances in integrated approaches for exploration and monitoring, <b>Hall X4, X4.385–X4.411</b>
	<b>ERE3.5</b> , Numerical modeling in geothermics, <b>Hall X4, X4.412–X4.422</b>
	<b>GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8</b> , COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), <b>Hall X1, X1.1–X1.28</b>
	<b>GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33</b> , Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), <b>Hall X2, X2.1–X2.17</b>
	<b>HS8.2.3/ERE6.4</b> , Thermal and mechanical processes and energy storage in porous and fractured aquifers (co-organized), <b>Hall A, A.242–A.256</b>

### Tuesday, 10 April

<b>TU5</b> , 17:30–19:00	<b>ERE1.2</b> , Energy and environmental system interactions – Policy and modelling, <b>Hall X4, X4.231–X4.243</b>
	<b>ERE2.2</b> , Petroleum exploration and production and their impact on the environment, <b>Hall X4, X4.244–X4.254</b>
	<b>ERE4.1</b> , European gas hydrate occurrences as a resource of natural gas: exploration, production and risks, <b>Hall X4, X4.255–X4.263</b>
	<b>ERE4.2</b> , Unconventional hydrocarbon resources: Advances and new technologies, <b>Hall X4, X4.264–X4.284</b>
	<b>GMPV6.6/ERE3.6/NH2.10</b> , Volcanic resources (co-organized), <b>Hall X2, X2.439–X2.452</b>

### Wednesday, 11 April

<b>WE5</b> , 17:30–19:00	<b>ERE2.1</b> , Environmental impacts of hydraulic fracturing: Measurements, monitoring, mitigation and management, <b>Hall X4, X4.198–X4.214</b>
	<b>ERE3.7</b> , The role of biomass in a sustainable bio-economy: significant developments and impact on land use, climate and environmental services, <b>Hall X4, X4.215–X4.220</b>
	<b>ERE6.3/EMRP4.1/TS2.6</b> , Fracture, mechanics and flow in tight reservoirs (co-organized), <b>Hall X4, X4.221–X4.230</b>
	<b>ERE7.1</b> , Geomaterials in construction: resources, properties, performance, environmental interactions, decay, and extractive industries waste management, <b>Hall X4, X4.231–X4.261</b>
	<b>IE2.2/GMPV1.4/BG1.11/CL4.29/ERE1.6/GD3.6/PS1.1/SSP1.10</b> , Terrestrial Planet Evolution: deep carbon cycle and interior/exterior coupling (co-organized), <b>Hall X2, X2.345–X2.361</b>
	<b>HS5.7/ERE3.8</b> , Advances in modeling and control of environmental systems: from drainage and irrigation to hybrid energy generation. (co-organized), <b>Hall A, A.111–A.125</b>

## Thursday, 12 April

TH5, 17:30–19:00	<b>ERE1.4</b> , Responsible mineral and energy resource development, <b>Hall X4, X4.201–X4.214</b>
	<b>ERE3.1</b> , Energy meteorology and spatial modelling of renewable energies, <b>Hall X4, X4.215–X4.250</b>
	<b>ERE5.2</b> , Geological CO2 storage: Field methods and analysis of field data from sites and natural analogues, <b>Hall X4, X4.251–X4.264</b>
	<b>ERE5.3</b> , Process quantification and modelling in subsurface utilization (including ERE Division Outstanding ECS Lecture), <b>Hall X4, X4.265–X4.279</b>
	<b>ERE6.1</b> , Evaluation of coupled THMC processes related to geo-energy applications: from laboratory to reservoir scale, <b>Hall X4, X4.280–X4.296</b>
	<b>OS4.10/AS4.8/ERE1.7/GI2.13/NH11.7</b> , Benefits and Detriments of Geoengineering in the Ocean-Atmosphere System (co-organized), <b>Hall X4, X4.67–X4.72</b>
	<b>GI3.6/EMRP4.12/ERE2.3/SSP1.9/SSS13.18</b> , Geoscientific Underground Labs and Test Sites (co-organized), <b>Hall X1, X1.130–X1.140</b>
<b>GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16</b> , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), <b>Hall X1, X1.41–X1.58</b>	

## Friday, 13 April

FR5, 17:30–19:00	<b>ERE5.5</b> , Assessment of Barrier Integrity in Geological Repositories for Nuclear Waste Disposal and Contaminant Isolation, <b>Hall X4, X4.204–X4.222</b>
	<b>HS8.1.7/ERE6.5</b> , Reactive transport, mineral dissolution and precipitation in fractured and porous rock: experiments, models and field observations (co-organized), <b>Hall A, A.166–A.180</b>