

**ESSI – Earth & Space Science Informatics – Orals****Monday, 28 April**

<b>MO1</b> , 08:30–10:00	<b>PSD6.1</b> , ESSI1.9 - Unmanned aerial vehicles for high resolution sensing in the geosciences, <b>08:30–09:15, Room R12</b>
	<b>SSS11.7/ESSI3.4/GI3.8</b> , GEMAS - Geochemical mapping of agricultural and grazing land soil in Europe (co-organized), <b>08:30–12:30, Room B6</b>
<b>MO2</b> , 10:30–12:00	<b>SSS11.7/ESSI3.4/GI3.8</b> , GEMAS - Geochemical mapping of agricultural and grazing land soil in Europe (co-organized), <b>08:30–12:30, Room B6</b>
<b>MO3</b> , 13:30–15:00	<b>ESSI1.9</b> , Unmanned aerial vehicles for high resolution sensing in the geosciences, <b>13:30–15:15, Room G1</b>
	<b>TS9.3/ESSI1.11/G6.7/GD7.8/GMPV67/NH4.11</b> , Crustal faulting and deformation processes observed by InSAR, GPS and photogrammetry: From observations and monitoring to numerical and physical modeling (co-organized), <b>13:30–17:00, Room B1</b>
<b>MO4</b> , 15:30–17:00	<b>ESSI3.1</b> , Techniques and tools for effective visualization and sonification in the geosciences, <b>15:30–17:15, Room G1</b>
	<b>TS9.3/ESSI1.11/G6.7/GD7.8/GMPV67/NH4.11</b> , Crustal faulting and deformation processes observed by InSAR, GPS and photogrammetry: From observations and monitoring to numerical and physical modeling (co-organized), <b>13:30–17:00, Room B1</b>

**Tuesday, 29 April**

<b>TU1</b> , 08:30–10:00	<b>ESSI2.6</b> , Implications of Big Data to Earth Science Data Analysis, <b>08:30–10:15, Room G1</b>
	<b>NP3.1/CL6.12/SSS0.6</b> , Scales, scaling and extremes in the geosciences (co-listed), <b>08:30–12:15, Room B10</b>
	<b>PSD6.2</b> , ESSI2.7 - Free and Open Source Software (FOSS) for Geoinformatics and Geosciences, <b>08:30–09:15, Room R7</b>
	<b>SSS0.8/BG9.6/ESSI1.10/GI3.10/GM2.5/GMPV60/HS8.3.6/SSP3.1.18/TS9.14</b> , Platforms, Sensors and Applications with Unmanned Aerial Systems in the geosciences (co-organized), <b>08:30–12:15, Room B5</b>
<b>TU2</b> , 10:30–12:00	<b>ESSI2.2</b> , Metadata, Data Models, and Semantics, <b>10:30–12:00, Room G1</b>
	<b>GI1.4</b> , Geoscience processes related to Fukushima nuclear accident (co-listed), <b>10:30–17:00, Room B2</b>
	<b>NP3.1/CL6.12/SSS0.6</b> , Scales, scaling and extremes in the geosciences (co-listed), <b>08:30–12:15, Room B10</b>
	<b>PSD6.3</b> , ESSI2.9 - International cross-project collaboration and interoperability of data management systems, <b>10:30–11:15, Room R5</b>
	<b>SSS0.8/BG9.6/ESSI1.10/GI3.10/GM2.5/GMPV60/HS8.3.6/SSP3.1.18/TS9.14</b> , Platforms, Sensors and Applications with Unmanned Aerial Systems in the geosciences (co-organized), <b>08:30–12:15, Room B5</b>
<b>TU3</b> , 13:30–15:00	<b>ESSI2.9</b> , International cross-project collaboration and interoperability of data management systems, <b>13:30–15:15, Room G1</b>
	<b>GI1.4</b> , Geoscience processes related to Fukushima nuclear accident (co-listed), <b>10:30–17:00, Room B2</b>
<b>TU4</b> , 15:30–17:00	<b>ESSI1.5</b> , 3D Spatial Data, Analysis, Visualization and Infrastructures in Geosciences - From 3D Point Clouds to Information, <b>15:30–17:15, Room G1</b>
	<b>GI1.4</b> , Geoscience processes related to Fukushima nuclear accident (co-listed), <b>10:30–17:00, Room B2</b>

### Wednesday, 30 April

<b>WE1</b> , 08:30–10:00	<b>ESSI1.6</b> , Digital infrastructures to enhance international geoscience information access, provision and use, <b>08:30–10:15, Room G3</b>
	<b>GI3.5</b> , Sensing techniques, geophysical methods, sensor network architectures and data analysis methods for critical and transport infrastructures monitoring and diagnostics (co-listed), <b>08:30–10:00, Room B2</b>
	<b>PSD6.4</b> , ESSI3.1 - Techniques and tools for effective visualization and sonification in the geosciences, <b>08:30–09:15, Room R7</b>
<b>WE2</b> , 10:30–12:00	<b>ESSI1.8/EOS6</b> , Citizen Empowered Science and crowdsourcing in geosciences (co-organized), <b>10:30–12:15, Room G3</b>
<b>WE3</b> , 13:30–15:00	<b>ESSI1.2</b> , Informatics in Oceanography and Ocean Science, <b>13:30–17:15, Room G3</b>
<b>WE4</b> , 15:30–17:00	<b>ESSI1.2</b> , Informatics in Oceanography and Ocean Science, <b>13:30–17:15, Room G3</b>
<b>WE5</b> , 17:30–19:00	<b>PSD6.5</b> , ESSI2.12 - Real Use of Standards and Technologies - Live Demonstrations, <b>17:30–18:15, Room R7</b>

### Thursday, 01 May

<b>TH1</b> , 08:30–10:00	<b>ESSI2.7</b> , Free and Open Source Software (FOSS) for Geoinformatics and Geosciences, <b>08:30–10:15, Room G1</b>
	<b>SM1.3/ESSI2.14/GD8.7/GI1.6/GMPV56/TS1.5</b> , Integrated Research Infrastructures and Services to users: supporting excellence in a science for society (co-organized), <b>08:30–10:15, Room G3</b>
<b>TH2</b> , 10:30–12:00	<b>ESSI2.8</b> , Earth science on Cloud, HPC and Grid, <b>10:30–12:00, Room G1</b>
<b>THL</b> , 12:15–13:15	<b>ML3</b> , Jean Dominique Cassini Medal Lecture by Stamatios M. Krimigis (co-listed), <b>12:15–13:15, Room R1</b>
<b>TH3</b> , 13:30–15:00	<b>EMRP2.5/ESSI1.13/G6.10/GD4.3/PS1.4/ST2.5</b> , Swarm – the first constellation to survey the Earth's magnetic field (co-organized), <b>13:30–17:30, Room Y11</b>
	<b>ESSI2.5</b> , Service and Brokering Architecture challenges for multi-disciplinary interoperability and Future Internet, <b>13:30–15:15, Room G1</b>
	<b>SSS11.1/ESSI3.6</b> , Communication of uncertainty about information in earth sciences (co-organized), <b>13:30–15:15, Room B5</b>
<b>TH4</b> , 15:30–17:00	<b>EMRP2.5/ESSI1.13/G6.10/GD4.3/PS1.4/ST2.5</b> , Swarm – the first constellation to survey the Earth's magnetic field (co-organized), <b>13:30–17:30, Room Y11</b>
	<b>ESSI2.1</b> , Adapting geophysical applications to many- and multi-core high performance computing architectures, <b>15:30–17:15, Room G1</b>

### Friday, 02 May

<b>FR2</b> , 10:30–12:00	<b>PSD9.13</b> , SSS11.1/ESSI3.6 - Communication of uncertainty about information in earth sciences, <b>10:30–11:15, Room B7</b>
<b>FRL</b> , 12:15–13:15	<b>PSD12.3</b> , SM1.3/ESSI2.14/GD8.7/GI1.6/GMPV56/TS1.5 - Integrated Research Infrastructures and Services to users: supporting excellence in a science for society, <b>12:15–13:00, Room B4</b>
<b>FR4</b> , 15:30–17:00	<b>NP2.4</b> , Complex networks and data-driven knowledge discovery in climate and geosciences (co-listed), <b>15:30–17:00, Room B3</b>

**ESSI – Earth & Space Science Informatics – PICOs****Monday, 28 April****MO1**, 08:30–10:00 **ESSI3.2**, State of the Art in Earth Science Data Visualization, **PICO Spot 1****Thursday, 01 May****TH1**, 08:30–10:00 **ESSI2.13**, Open Access to Research Data and Public Sector Information: perspective, drivers, and barriers, **PICO Spot 1**

## ESSI – Earth & Space Science Informatics – Posters

### Monday, 28 April

<b>MO1</b> , 08:30–10:00	<b>PSD6.1</b> , ESSI1.9 - Unmanned aerial vehicles for high resolution sensing in the geosciences, <b>08:30–09:15, Room R12</b>
<b>MO5</b> , 17:30–19:00	<b>ESSI3.1</b> , Techniques and tools for effective visualization and sonification in the geosciences, <b>Red Posters, R173–R183</b>   Related: PSD6.4, see WE1
	<b>GI1.4</b> , Geoscience processes related to Fukushima nuclear accident (co-listed), <b>Red Posters, R80–R117</b>   Related: PSD11.1, see MO4
	<b>SSS11.7/ESSI3.4/GI3.8</b> , GEMAS - Geochemical mapping of agricultural and grazing land soil in Europe (co-organized), <b>Blue Posters, B123–B139</b>
	<b>TS9.3/ESSI1.11/G6.7/GD7.8/GMPV67/NH4.11</b> , Crustal faulting and deformation processes observed by InSAR, GPS and photogrammetry: From observations and monitoring to numerical and physical modeling (co-organized), <b>Blue Posters, B542–B565</b>

### Tuesday, 29 April

<b>TU1</b> , 08:30–10:00	<b>PSD6.2</b> , ESSI2.7 - Free and Open Source Software (FOSS) for Geoinformatics and Geosciences, <b>08:30–09:15, Room R7</b>
<b>TU2</b> , 10:30–12:00	<b>PSD6.3</b> , ESSI2.9 - International cross-project collaboration and interoperability of data management systems, <b>10:30–11:15, Room R5</b>
<b>TU5</b> , 17:30–19:00	<b>ESSI1.1</b> , Exploiting space- and ground-based information for effective disaster risk reduction and preparedness, <b>Red Posters, R60–R69</b>
	<b>ESSI1.2</b> , Informatics in Oceanography and Ocean Science, <b>Red Posters, R70–R89</b>
	<b>ESSI1.5</b> , 3D Spatial Data, Analysis, Visualization and Infrastructures in Geosciences - From 3D Point Clouds to Information, <b>Red Posters, R90–R102</b>
	<b>ESSI1.6</b> , Digital infrastructures to enhance international geoscience information access, provision and use, <b>Red Posters, R103–R118</b>
	<b>ESSI1.8/EOS6</b> , Citizen Empowered Science and crowdsourcing in geosciences (co-organized), <b>Red Posters, R119–R129</b>
	<b>ESSI1.9</b> , Unmanned aerial vehicles for high resolution sensing in the geosciences, <b>Red Posters, R130–R139</b>   Related: PSD6.1, see MO1
	<b>ESSI1.12/CL6.15</b> , New approaches to surface climate models (co-organized), <b>Red Posters, R140–R142</b>
	<b>ESSI2.2</b> , Metadata, Data Models, and Semantics, <b>Red Posters, R143–R149</b>
	<b>ESSI2.6</b> , Implications of Big Data to Earth Science Data Analysis, <b>Red Posters, R150–R159</b>
	<b>ESSI2.10</b> , Enhanced Data-driven GeoScience, <b>Red Posters, R160–R161</b>
	<b>ESSI2.12</b> , Real Use of Standards and Technologies - Live Demonstrations, <b>Red Posters, R162–R168</b>   Related: PSD6.5, see WE5
	<b>GI3.5</b> , Sensing techniques, geophysical methods, sensor network architectures and data analysis methods for critical and transport infrastructures monitoring and diagnostics (co-listed), <b>Red Posters, R42–R59</b>   Related: PSD11.3, see TU4
	<b>SSS0.8/BG9.6/ESSI1.10/GI3.10/GM2.5/GMPV60/HS8.3.6/SSP3.1.18/TS9.14</b> , Platforms, Sensors and Applications with Unmanned Aerial Systems in the geosciences (co-organized), <b>Blue Posters, B129–B151</b>

### Wednesday, 30 April

<b>WE1</b> , 08:30–10:00	<b>PSD6.4</b> , ESSI3.1 - Techniques and tools for effective visualization and sonification in the geosciences, <b>08:30–09:15, Room R7</b>
<b>WE5</b> , 17:30–19:00	<b>ESSI2.1</b> , Adapting geophysical applications to many- and multi-core high performance computing architectures, <b>Red Posters, R125–R141</b>
	<b>ESSI2.5</b> , Service and Brokering Architecture challenges for multi-disciplinary interoperability and Future Internet, <b>Red Posters, R142–R148</b>
	<b>ESSI2.7</b> , Free and Open Source Software (FOSS) for Geoinformatics and Geosciences, <b>Red Posters, R149–R161</b>   Related: PSD6.2, see TU1
	<b>ESSI2.8</b> , Earth science on Cloud, HPC and Grid, <b>Red Posters, R162–R169</b>
	<b>ESSI2.9</b> , International cross-project collaboration and interoperability of data management systems, <b>Red Posters, R170–R173</b>   Related: PSD6.3, see TU2
	<b>NP3.1/CL6.12/SSS0.6</b> , Scales, scaling and extremes in the geosciences (co-listed), <b>Blue Posters, B828–B855</b>
<b>WE5</b> , 17:30–19:00	<b>PSD6.5</b> , ESSI2.12 - Real Use of Standards and Technologies - Live Demonstrations, <b>17:30–18:15, Room R7</b>

### Thursday, 01 May

<b>TH5</b> , 17:30–19:00	<b>EMRP2.5/ESSI1.13/G6.10/GD4.3/PS1.4/ST2.5</b> , Swarm – the first constellation to survey the Earth's magnetic field (co-organized), <b>Red Posters, R82–R101</b>
	<b>SM1.3/ESSI2.14/GD8.7/GI1.6/GMPV56/TS1.5</b> , Integrated Research Infrastructures and Services to users: supporting excellence in a science for society (co-organized), <b>Blue Posters, B490–B504</b>   Related: PSD12.3, see FRL
	<b>SSS11.1/ESSI3.6</b> , Communication of uncertainty about information in earth sciences (co-organized), <b>Blue Posters, B187–B201</b>   Related: PSD9.13, see FR2

### Friday, 02 May

<b>FR2</b> , 10:30–12:00	<b>PSD9.13</b> , SSS11.1/ESSI3.6 - Communication of uncertainty about information in earth sciences, <b>10:30–11:15, Room B7</b>
<b>FRL</b> , 12:15–13:15	<b>PSD12.3</b> , SM1.3/ESSI2.14/GD8.7/GI1.6/GMPV56/TS1.5 - Integrated Research Infrastructures and Services to users: supporting excellence in a science for society, <b>12:15–13:00, Room B4</b>
<b>FR5</b> , 17:30–19:00	<b>NP2.4</b> , Complex networks and data-driven knowledge discovery in climate and geosciences (co-listed), <b>Blue Posters, B935–B945</b>