

## CR – Cryospheric Sciences (#EGU17CR) – Orals

### Monday, 24 April

<b>MO1</b> , 08:30–10:00	<b>CR2.2</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, <b>08:30–12:00, Room G2</b>
	<b>SSS9.13/BG9.45/CL4.06/CR4.7</b> , Soils in cold-climate regions (co-organized), <b>08:30–12:15, Room -2.21</b>
<b>MO2</b> , 10:30–12:00	<b>CR2.2</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, <b>08:30–12:00, Room G2</b>
	<b>SSS9.13/BG9.45/CL4.06/CR4.7</b> , Soils in cold-climate regions (co-organized), <b>08:30–12:15, Room -2.21</b>
	<b>AS2.3/CR6.4/OS5.5/SSS9.27</b> , Boundary Layers in High Latitudes: Physical and Chemical Exchange Processes over Ocean-Ice-Snow-Land Surfaces (co-organized), <b>10:30–12:15, Room 0.11</b>
	<b>G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17</b> , How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), <b>10:30–12:00, Room 1.61</b>
<b>MOL</b> , 12:15–13:15	<b>UMI0</b> , Plenary, <b>12:15–13:15, Room E1</b>
<b>MO3</b> , 13:30–15:00	<b>CR5.3/OS2.11</b> , Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), <b>13:30–17:00, Room G2</b>
	<b>G3.2/CR2.4/HS11.8/OS4.12</b> , Fluid signatures in the hydrosphere, ocean and cryosphere from space geodesy and Earth rotation monitoring (co-organized), <b>13:30–17:00, Room 1.61</b>
	<b>GM1.5/CR2.6/GI3.14/NH4.10/SM4.7</b> , Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), <b>13:30–15:00, Room N1</b>
	<b>CL1.11/AS4.18/CR2.8</b> , The state-of-the-art in ice coring sciences (co-organized), <b>13:30–17:00, Room F2</b>
	<b>SC32/CR6.15</b> , Quantarctica User Workshop (co-organized), <b>13:30–15:00, Room -2.31</b>
<b>MO4</b> , 15:30–17:00	<b>CR5.3/OS2.11</b> , Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), <b>13:30–17:00, Room G2</b>
	<b>G3.2/CR2.4/HS11.8/OS4.12</b> , Fluid signatures in the hydrosphere, ocean and cryosphere from space geodesy and Earth rotation monitoring (co-organized), <b>13:30–17:00, Room 1.61</b>
	<b>CL1.11/AS4.18/CR2.8</b> , The state-of-the-art in ice coring sciences (co-organized), <b>13:30–17:00, Room F2</b>
	<b>GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6</b> , The Arctic connection - geodynamic, geologic and oceanographic development of the Arctic (co-organized), <b>15:30–17:00, Room E1</b>
	<b>HS5.9/CL2.17/CR6.9/NH1.9</b> , Water infrastructure risks under climate variability and change: role of data analysis, operating approaches, hydro-meteorological and multi-sectoral forecasts (co-organized), <b>15:30–17:00, Room 2.95</b>
<b>MO6</b> , 19:00–20:00	<b>ML19/CR</b> , Louis Agassiz Medal Lecture by Eric Rignot (co-organized), <b>19:00–20:00, Room D2</b>

### Tuesday, 25 April

<b>TU1</b> , 08:30–10:00	<b>GD6.2/CL1.32/CR5.6/EMRP4.29/SM10.6/TS9.7</b> , Unveiling the structure, evolution and influence of the Antarctic Lithosphere (co-organized), <b>08:30–10:00, Room L7</b>
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<b>TU2</b> , 10:30–12:00	<b>CR2.1</b> , Remote sensing of the cryosphere, <b>10:30–17:00, Room G2</b>
	<b>GD8.2/CR6.5/SM10.3</b> , The Earth's thermal state and heat budget of crustal metamorphism (co-organized), <b>10:30–12:00, Room L7</b>
<b>TU3</b> , 13:30–15:00	<b>CR2.1</b> , Remote sensing of the cryosphere, <b>10:30–17:00, Room G2</b>
<b>TU4</b> , 15:30–17:00	<b>CR2.1</b> , Remote sensing of the cryosphere, <b>10:30–17:00, Room G2</b>
	<b>CR3.4/NH8.6</b> , Risks from a changing cryosphere (co-organized), <b>15:30–17:00, Room 0.49</b>
	<b>CR5.2</b> , Subglacial Environments of Ice Sheets and Glaciers, <b>15:30–17:00, Room -2.32</b>
<b>TU5</b> , 17:30–19:00	<b>SC49/CL6.03/CR6.12/OS</b> , Meet Your Reviewer (co-organized), <b>17:30–19:00, Room N2</b>
<b>Wednesday, 26 April</b>	
<b>WE1</b> , 08:30–10:00	<b>CR1.1/CL2.18</b> , State of the Cryosphere: Observations and Modelling (co-organized), <b>08:30–12:00, Room G2</b>
	<b>CL3.03/AS1.22/CR1.6/OS1.15</b> , Polar Climate Predictability and Prediction (co-organized), <b>08:30–10:00, Room 0.96</b>
<b>WE2</b> , 10:30–12:00	<b>CR1.1/CL2.18</b> , State of the Cryosphere: Observations and Modelling (co-organized), <b>08:30–12:00, Room G2</b>
	<b>ML34/CR</b> , CR Division Outstanding ECS Award Lecture by Ricarda Winkelmann (co-organized), <b>11:00–11:15, Room G2</b>
<b>WE3</b> , 13:30–15:00	<b>CR1.2/CL4.09</b> , Ice-sheet and climate interactions (co-organized), <b>13:30–15:00, Room -2.32</b>
	<b>CL4.07/AS1.14/BG9.18/CR1.7/HS11.3</b> , Mountain climates: processes, change and related impacts (co-organized), <b>13:30–17:00, Room E2</b>
	<b>CL1.01/AS4.9/CR1.12/HS7.9/OS1.13</b> , Into the Anthropocene; Observing and interpreting the historical record of temperature and other climate indicators (co-organized), <b>13:30–15:00, Room 0.14</b>
	<b>SC56/CL6.04/CR6.13</b> , Communicating Climate Change - blogging as a group (co-organized), <b>13:30–15:00, Room -2.85</b>
<b>WE4</b> , 15:30–17:00	<b>CR1.3/GM10.4</b> , Reconstructing paleo ice dynamics: Comparing and combining field-based evidence and numerical modeling (co-organized), <b>15:30–17:00, Room -2.32</b>
	<b>CL4.07/AS1.14/BG9.18/CR1.7/HS11.3</b> , Mountain climates: processes, change and related impacts (co-organized), <b>13:30–17:00, Room E2</b>
	<b>CL1.23/BG9.14/CR6.3/OS2.5</b> , Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), <b>15:30–17:00, Room 0.96</b>
<b>Thursday, 27 April</b>	
<b>TH1</b> , 08:30–10:00	<b>CR5.1</b> , Modelling ice sheets and glaciers, <b>08:30–12:00, Room G2</b>
	<b>CR6.2/AS1.23</b> , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), <b>08:30–12:00, Room -2.32</b>
	<b>IE1.1/CR1.14/AS4.21/BG9.66</b> , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), <b>08:30–12:00, Room L2</b>
	<b>CL4.10/CR1.13/OS1.12</b> , Sea level rise: past, present and future (co-organized), <b>08:30–12:00, Room F2</b>
	<b>GM10.2/CR4.4</b> , Cold regions geomorphology (co-organized), <b>08:30–12:00, Room N1</b>

<b>TH2</b> , 10:30–12:00	<b>CR5.1</b> , Modelling ice sheets and glaciers, <b>08:30–12:00, Room G2</b>
	<b>CR6.2/AS1.23</b> , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), <b>08:30–12:00, Room -2.32</b>
	<b>IE1.1/CR1.14/AS4.21/BG9.66</b> , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), <b>08:30–12:00, Room L2</b>
	<b>CL4.10/CR1.13/OS1.12</b> , Sea level rise: past, present and future (co-organized), <b>08:30–12:00, Room F2</b>
	<b>GM10.2/CR4.4</b> , Cold regions geomorphology (co-organized), <b>08:30–12:00, Room N1</b>
<b>THL</b> , 12:15–13:15	<b>DM4/CR</b> , Division meeting for Cryospheric Sciences (CR) (co-organized), <b>12:15–13:15, Room G2</b>
<b>TH3</b> , 13:30–15:00	<b>CR1.4/CL2.19</b> , Glaciers and ice caps under climate change (co-organized), <b>13:30–17:00, Room -2.32</b>
	<b>GI3.9/BG9.22/CR2.5/ESSI1.11/GM3.8</b> , Close-Range Sensing of Environment and 3D Point Clouds in Geosciences (co-organized), <b>13:30–15:00, Room 0.96</b>
	<b>GM10.1/CL1.33/CR4.8</b> , The Legacy of Mountain Glaciations – Glacial landforms and their palaeoclimatic interpretation (co-organized), <b>13:30–15:00, Room N1</b>
	<b>OS1.4/CR6.8</b> , Changes in the Arctic Ocean, sea ice and subarctic seas systems: Observations, Models and Perspectives (co-organized), <b>13:30–15:00, Room 0.49</b>
<b>TH4</b> , 15:30–17:00	<b>CR1.4/CL2.19</b> , Glaciers and ice caps under climate change (co-organized), <b>13:30–17:00, Room -2.32</b>
	<b>SC66/CL6.05/CR6.14</b> , Polar Science Career Panel (EGU Cryosphere and APECS) (co-organized), <b>15:30–17:00, Room -2.16</b>
<b>Friday, 28 April</b>	
<b>FR1</b> , 08:30–10:00	<b>CR4.3</b> , Debris-covered glaciers, <b>08:30–10:00, Room -2.32</b>
	<b>NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20</b> , Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), <b>08:30–12:00, Room L6</b>
<b>FR2</b> , 10:30–12:00	<b>CR6.1/OS1.18</b> , Rapid changes in sea ice: processes and implications (co-organized), <b>10:30–12:00, Room -2.32</b>
	<b>NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20</b> , Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), <b>08:30–12:00, Room L6</b>
<b>FR3</b> , 13:30–15:00	<b>CR4.1/GM10.5</b> , Permafrost Open Session (co-organized), <b>13:30–17:00, Room -2.32</b>
<b>FR4</b> , 15:30–17:00	<b>CR4.1/GM10.5</b> , Permafrost Open Session (co-organized), <b>13:30–17:00, Room -2.32</b>

## CR – Cryospheric Sciences (#EGU17CR) – PICOs

### Monday, 24 April

<b>MO1</b> , 08:30–10:00	<b>CR3.2</b> , Snow, snow cover processes and avalanche formation, <b>PICO spot A</b>
<b>MO2</b> , 10:30–12:00	<b>CR3.3/NH8.5</b> , Snow in ski resorts and snow avalanches: measuring and modelling (co-organized), <b>PICO spot A</b>

### Wednesday, 26 April

<b>WE1</b> , 08:30–10:00	<b>HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16</b> , Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), <b>PICO spot 3</b>
<b>WE2</b> , 10:30–12:00	<b>HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16</b> , Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), <b>PICO spot 3</b>
<b>WE4</b> , 15:30–17:00	<b>IE1.2/CR6.11/AS4.23</b> , Cross Disciplinary Observations for an Integrated Understanding of the Arctic system (co-organized), <b>PICO spot 5b</b>

### Friday, 28 April

<b>FR1</b> , 08:30–10:00	<b>CR2.3</b> , Applied geophysics and in-situ methods in cryospheric sciences, <b>PICO spot 3</b>
<b>FR2</b> , 10:30–12:00	<b>CR2.3</b> , Applied geophysics and in-situ methods in cryospheric sciences, <b>PICO spot 3</b>
	<b>HS2.2.4/CR4.5</b> , Monitoring and modelling water flow paths, supply and quality in a changing mountain cryosphere (co-organized), <b>PICO spot A</b>

## CR – Cryospheric Sciences (#EGU17CR) – Posters

### Monday, 24 April

<b>MO5</b> , 17:30–19:00	<b>CR2.2</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, <b>Hall X5, X5.364–X5.386</b>
	<b>CR3.1</b> , MicroSnow: From quantitative stratigraphy to microstructure-based modelling of snow, <b>Hall X5, X5.387–X5.396</b>
	<b>CR5.3/OS2.11</b> , Ice shelves and tidewater glaciers - dynamics, interactions, observations, modelling (co-organized), <b>Hall X5, X5.397–X5.430</b>
	<b>G3.2/CR2.4/HS11.8/OS4.12</b> , Fluid signatures in the hydrosphere, ocean and cryosphere from space geodesy and Earth rotation monitoring (co-organized), <b>Hall X3, X3.142–X3.169</b>
	<b>GM1.5/CR2.6/GI3.14/NH4.10/SM4.7</b> , Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), <b>Hall X2, X2.54–X2.71</b>
	<b>CL1.11/AS4.18/CR2.8</b> , The state-of-the-art in ice coring sciences (co-organized), <b>Hall X5, X5.22–X5.49</b>
	<b>SSS9.13/BG9.45/CL4.06/CR4.7</b> , Soils in cold-climate regions (co-organized), <b>Hall X1, X1.282–X1.300</b>
	<b>AS2.3/CR6.4/OS5.5/SSS9.27</b> , Boundary Layers in High Latitudes: Physical and Chemical Exchange Processes over Ocean-Ice-Snow-Land Surfaces (co-organized), <b>Hall X5, X5.333–X5.348</b>
	<b>GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6</b> , The Arctic connection - geodynamic, geologic and oceanographic development of the Arctic (co-organized), <b>Hall X2, X2.314–X2.329</b>
	<b>HS5.9/CL2.17/CR6.9/NH1.9</b> , Water infrastructure risks under climate variability and change: role of data analysis, operating approaches, hydro-meteorological and multi-sectoral forecasts (co-organized), <b>Hall A, A.322–A.340</b>
<b>G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17</b> , How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), <b>Hall X3, X3.125–X3.141</b>	

### Tuesday, 25 April

<b>TU5</b> , 17:30–19:00	<b>CR2.1</b> , Remote sensing of the cryosphere, <b>Hall X5, X5.427–X5.470</b>
	<b>CR3.4/NH8.6</b> , Risks from a changing cryosphere (co-organized), <b>Hall X5, X5.471–X5.483</b>
	<b>CR5.2</b> , Subglacial Environments of Ice Sheets and Glaciers, <b>Hall X5, X5.484–X5.496</b>
	<b>GD6.2/CL1.32/CR5.6/EMRP4.29/SM10.6/TS9.7</b> , Unveiling the structure, evolution and influence of the Antarctic Lithosphere (co-organized), <b>Hall X2, X2.289–X2.305</b>
	<b>GD8.2/CR6.5/SM10.3</b> , The Earth's thermal state and heat budget of crustal metamorphism (co-organized), <b>Hall X2, X2.324–X2.343</b>

### Wednesday, 26 April

<b>WE5</b> , 17:30–19:00	<b>CR1.1/CL2.18</b> , State of the Cryosphere: Observations and Modelling (co-organized), <b>Hall X4, X4.1–X4.15</b>
	<b>CR1.2/CL4.09</b> , Ice-sheet and climate interactions (co-organized), <b>Hall X4, X4.16–X4.27</b>

	<b>CR1.3/GM10.4</b> , Reconstructing paleo ice dynamics: Comparing and combining field-based evidence and numerical modeling (co-organized), <b>Hall X4, X4.28–X4.45</b>
	<b>CL3.03/AS1.22/CR1.6/OS1.15</b> , Polar Climate Predictability and Prediction (co-organized), <b>Hall X5, X5.143–X5.156</b>
	<b>CL4.07/AS1.14/BG9.18/CR1.7/HS11.3</b> , Mountain climates: processes, change and related impacts (co-organized), <b>Hall X5, X5.192–X5.223</b>
	<b>CL1.01/AS4.9/CR1.12/HS7.9/OS1.13</b> , Into the Anthropocene; Observing and interpreting the historical record of temperature and other climate indicators (co-organized), <b>Hall X5, X5.1–X5.21</b>
	<b>CL1.23/BG9.14/CR6.3/OS2.5</b> , Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), <b>Hall X5, X5.42–X5.57</b>

### Thursday, 27 April

<b>TH5, 17:30–19:00</b>	<b>CR1.4/CL2.19</b> , Glaciers and ice caps under climate change (co-organized), <b>Hall X5, X5.400–X5.414</b>
	<b>CR1.5/AS4.22/CL2.22</b> , Atmosphere – Cryosphere interaction, poster only. (co-organized), <b>Hall X5, X5.415–X5.424</b>
	<b>CR5.1</b> , Modelling ice sheets and glaciers, <b>Hall X5, X5.425–X5.456</b>
	<b>CR6.2/AS1.23</b> , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), <b>Hall X5, X5.457–X5.475</b>
	<b>IE1.1/CR1.14/AS4.21/BG9.66</b> , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), <b>Hall X5, X5.476–X5.498</b>
	<b>CL4.10/CR1.13/OS1.12</b> , Sea level rise: past, present and future (co-organized), <b>Hall X5, X5.34–X5.66</b>
	<b>GI3.9/BG9.22/CR2.5/ESSI1.11/GM3.8</b> , Close-Range Sensing of Environment and 3D Point Clouds in Geosciences (co-organized), <b>Hall X4, X4.300–X4.315</b>
	<b>GM10.2/CR4.4</b> , Cold regions geomorphology (co-organized), <b>Hall X2, X2.93–X2.114</b>
	<b>GM10.1/CL1.33/CR4.8</b> , The Legacy of Mountain Glaciations – Glacial landforms and their palaeoclimatic interpretation (co-organized), <b>Hall X2, X2.74–X2.92</b>
<b>OS1.4/CR6.8</b> , Changes in the Arctic Ocean, sea ice and subarctic seas systems: Observations, Models and Perspectives (co-organized), <b>Hall X4, X4.1–X4.26</b>	

### Friday, 28 April

<b>FR2, 10:30–12:00</b>	<b>CR4.1/GM10.5</b> , Permafrost Open Session (co-organized), <b>Hall X5, X5.441–X5.454</b>
	<b>CR4.2</b> , Quantification of permafrost and hydrological interactions in a changing climate., <b>Hall X5, X5.455–X5.471</b>
	<b>CR4.3</b> , Debris-covered glaciers, <b>Hall X5, X5.472–X5.484</b>
	<b>CR4.10/GM10.3</b> , Subglacial landform genesis and (palaeo) glaciological significance (co-organized), <b>Hall X5, X5.485–X5.499</b>
<b>FR3, 13:30–15:00</b>	<b>CR6.1/OS1.18</b> , Rapid changes in sea ice: processes and implications (co-organized), <b>Hall X5, X5.500–X5.511</b>
<b>FR5, 17:30–19:00</b>	<b>NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20</b> , Application of remote sensing and Earth-observation data in natural hazard and risk studies

(co-organized), **Hall X3, X3.210–X3.232**