

## CR – Cryospheric Sciences – Oral Sessions

### Monday, 23 April

<b>MO1</b> , 08:30–10:00	<b>CL1.15</b> , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), <b>08:30–12:00</b> in <b>Room 13</b>
	<b>CR5.30</b> , Ice shelves - dynamics, interactions, observations, modelling, <b>08:30–10:00</b> in <b>Room 20</b>
	<b>GD2.3/GMPV6.8/SM3.6/TS9.8</b> , Heat flow and thermal regime of the lithosphere: Deep and surface processes (co-listed), <b>08:30–10:00</b> in <b>Room 22</b>
	<b>HS2.5</b> , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), <b>08:30–12:00</b> in <b>Room 33</b>
<b>MO2</b> , 10:30–12:00	<b>CL1.15</b> , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), <b>08:30–12:00</b> in <b>Room 13</b>
	<b>CR4.10</b> , Open Session on Permafrost, <b>10:30–12:00</b> in <b>Room 9</b>
	<b>HS2.5</b> , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), <b>08:30–12:00</b> in <b>Room 33</b>
<b>MO3</b> , 13:30–15:00	<b>CR5.40</b> , Subglacial Environments of Ice Sheets and Glaciers, <b>13:30–17:00</b> in <b>Room 5</b>
	<b>CR5.60</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, <b>13:30–17:00</b> in <b>Room 9</b>
<b>MO4</b> , 15:30–17:00	<b>CR5.40</b> , Subglacial Environments of Ice Sheets and Glaciers, <b>13:30–17:00</b> in <b>Room 5</b>
	<b>CR5.60</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, <b>13:30–17:00</b> in <b>Room 9</b>

### Tuesday, 24 April

<b>TU1</b> , 08:30–10:00	<b>CR1.40/CL2.11</b> , State of the cryosphere: observations and modelling (co-organized), <b>08:30–12:00</b> in <b>Room 5</b>
	<b>GM9.1/CR1.70</b> , Cold Region Geomorphology (co-organized), <b>08:30–12:00</b> in <b>Room 21</b>
<b>TU2</b> , 10:30–12:00	<b>CR1.40/CL2.11</b> , State of the cryosphere: observations and modelling (co-organized), <b>08:30–12:00</b> in <b>Room 5</b>
	<b>GM9.1/CR1.70</b> , Cold Region Geomorphology (co-organized), <b>08:30–12:00</b> in <b>Room 21</b>
	<b>HS5.9</b> , Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development (co-listed), <b>10:30–12:00</b> in <b>Room 39</b>
<b>TU3</b> , 13:30–15:00	<b>CR9.10</b> , Sea ice physical and biological processes and interactions with climate, <b>13:30–17:00</b> in <b>Room 9</b>
	<b>CR10.10</b> , Ice-sheet and climate interactions, <b>13:30–17:00</b> in <b>Room 5</b>
	<b>GM9.2</b> , Glacial landforms and palaeoclimatic interpretation (co-listed), <b>13:30–15:00</b> in <b>Room 21</b>
<b>TU4</b> , 15:30–17:00	<b>CR9.10</b> , Sea ice physical and biological processes and interactions with climate, <b>13:30–17:00</b> in <b>Room 9</b>
	<b>CR10.10</b> , Ice-sheet and climate interactions, <b>13:30–17:00</b> in <b>Room 5</b>
	<b>G3.1/CR1.80/GD3.11</b> , Glacial Isostatic Adjustment, Mantle Viscosity and Ice Sheet Fluctuations (co-organized), <b>15:30–17:00</b> in <b>Room 17</b>

### Wednesday, 25 April

<b>WE1</b> , 08:30–10:00	<b>CR5.10</b> , Glaciers and ice caps under climate change, <b>08:30–10:00</b> in <b>Room 9</b>
<b>WE2</b> , 10:30–12:00	<b>CR6.10</b> , Mass and energy balance of snow and ice, <b>10:30–12:00</b> in <b>Room 9</b>
<b>WE3</b> , 13:30–15:00	<b>CR1.20</b> , Applied Geophysics in Cryosphere Sciences, <b>13:30–15:00</b> in <b>Room 9</b>
	<b>PSD1.5</b> , CR1.90 - Modeling, measurements and applications of snow stratigraphy and microstructure, <b>13:30–14:15</b> in <b>Room 37</b>
<b>WE4</b> , 15:30–17:00	<b>CR1.10</b> , Open Topics in Cryospheric Research, <b>15:30–17:00</b> in <b>Room 5</b>
	<b>CR8.20</b> , Debris-covered glaciers, <b>15:30–17:00</b> in <b>Room 9</b>
<b>WE6</b> , 19:00–20:00	<b>ML27</b> , Louis Agassiz Medal Lecture by Ian R. Joughin (co-listed), <b>19:00–20:00</b> in <b>Room 5</b>
<b>Thursday, 26 April</b>	
<b>TH1</b> , 08:30–10:00	<b>CR5.20</b> , Modeling ice sheets and glaciers, <b>08:30–12:00</b> in <b>Room 5</b>
<b>TH2</b> , 10:30–12:00	<b>CR5.20</b> , Modeling ice sheets and glaciers, <b>08:30–12:00</b> in <b>Room 5</b>
<b>TH3</b> , 13:30–15:00	<b>CR3.10</b> , Remote Sensing of the Cryosphere, <b>13:30–17:00</b> in <b>Room 5</b>
<b>TH4</b> , 15:30–17:00	<b>BG1.7</b> , Terrestrial organic matter dynamics during land-ocean transport in the Arctic. (co-listed), <b>15:30–17:00</b> in <b>Room 24</b>
	<b>CR3.10</b> , Remote Sensing of the Cryosphere, <b>13:30–17:00</b> in <b>Room 5</b>
<b>Friday, 27 April</b>	
<b>FR1</b> , 08:30–10:00	<b>CR8.10</b> , Mountain snow cover and avalanche formation, <b>08:30–10:00</b> in <b>Room 9</b>
	<b>CR10.20</b> , Climate change impacts on glaciers, permafrost and related hazards, <b>08:30–10:00</b> in <b>Room 4</b>
<b>FR3</b> , 13:30–15:00	<b>PSD1.4</b> , CR8.10 - Mountain snow cover and avalanche formation, <b>13:30–14:15</b> in <b>Room 40</b>

## CR – Cryospheric Sciences – Poster Sessions

### Monday, 23 April

<b>MO4</b> , 15:30–17:00	<b>CL1.15</b> , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), in <b>Hall Z, Z67–Z84</b>
<b>MO5</b> , 17:30–19:00	<b>BG4.2</b> , Glacial retreat: implications for microbial ecology and biogeochemistry (co-listed), in <b>Poster Area BG, BG70–BG77</b>
	<b>CR4.10</b> , Open Session on Permafrost, in <b>Hall Z, Z139–Z160</b>
	<b>CR5.30</b> , Ice shelves - dynamics, interactions, observations, modelling, in <b>Hall Z, Z161–Z167</b>
	<b>CR5.40</b> , Subglacial Environments of Ice Sheets and Glaciers, in <b>Hall Z, Z168–Z184</b>
	<b>CR5.60</b> , Glacier Monitoring from In-situ and Remotely Sensed Observations, in <b>Hall Z, Z185–Z203</b>
	<b>GD2.3/GMPV6.8/SM3.6/TS9.8</b> , Heat flow and thermal regime of the lithosphere: Deep and surface processes (co-listed), in <b>Hall XL, XL182–XL187</b>
	<b>HS2.5</b> , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), in <b>Hall A, A102–A137</b>

### Tuesday, 24 April

<b>TU5</b> , 17:30–19:00	<b>CR1.40/CL2.11</b> , State of the cryosphere: observations and modelling (co-organized), in <b>Hall XL, XL63–XL91</b>
	<b>CR9.10</b> , Sea ice physical and biological processes and interactions with climate, in <b>Hall XL, XL92–XL115</b>
	<b>G3.1/CR1.80/GD3.11</b> , Glacial Isostatic Adjustment, Mantle Viscosity and Ice Sheet Fluctuations (co-organized), in <b>Hall Z, Z186–Z201</b>
	<b>GM9.1/CR1.70</b> , Cold Region Geomorphology (co-organized), in <b>Hall XL, XL250–XL275</b>
	<b>GM9.2</b> , Glacial landforms and palaeoclimatic interpretation (co-listed), in <b>Hall XL, XL276–XL298</b>
	<b>HS5.9</b> , Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development (co-listed), in <b>Hall A, A306–A318</b>

### Wednesday, 25 April

<b>WE3</b> , 13:30–15:00	<b>PSD1.5</b> , CR1.90 - Modeling, measurements and applications of snow stratigraphy and microstructure, <b>13:30–14:15</b> in <b>Room 37</b>
<b>WE5</b> , 17:30–19:00	<b>CR1.10</b> , Open Topics in Cryospheric Research, in <b>Hall Z, Z165–Z175</b>
	<b>CR1.20</b> , Applied Geophysics in Cryosphere Sciences, in <b>Hall Z, Z176–Z186</b>
	<b>CR1.90</b> , Modeling, measurements and applications of snow stratigraphy and microstructure, in <b>Hall Z, Z187–Z194</b>   Related: PSD1.5, see WE3
	<b>CR5.10</b> , Glaciers and ice caps under climate change, in <b>Hall Z, Z195–Z201</b>
	<b>CR6.10</b> , Mass and energy balance of snow and ice, in <b>Hall Z, Z202–Z214</b>
	<b>CR8.20</b> , Debris-covered glaciers, in <b>Hall Z, Z215–Z229</b>

### Thursday, 26 April

<b>TH5</b> , 17:30–19:00	<b>BG1.7</b> , Terrestrial organic matter dynamics during land-ocean transport in the Arctic. (co-listed), in <b>Poster Area BG, BG1–BG17</b>
	<b>CR3.10</b> , Remote Sensing of the Cryosphere, in <b>Hall X/Y, XY332–XY364</b>
	<b>CR5.20</b> , Modeling ice sheets and glaciers, in <b>Hall X/Y, XY365–XY388</b>
	<b>CR10.10</b> , Ice-sheet and climate interactions, in <b>Hall X/Y, XY389–XY402</b>
<b>Friday, 27 April</b>	
<b>FR2</b> , 10:30–12:00	<b>CR10.20</b> , Climate change impacts on glaciers, permafrost and related hazards, in <b>Hall Z, Z130–Z140</b>
<b>FR3</b> , 13:30–15:00	<b>CR8.10</b> , Mountain snow cover and avalanche formation, in <b>Hall Z, Z117–Z129</b>   Related: PSD1.4, see FR3
	<b>PSD1.4</b> , CR8.10 - Mountain snow cover and avalanche formation, <b>13:30–14:15</b> in <b>Room 40</b>