

ARCTIC SCIENCE SUMMIT WEEK 2021 - SCIENCE PROGRAM

Last update: 17 March 2021



The Arctic: Regional Changes, Global Impacts	Arctic Climate Dynamics
The Changing Arctic Ocean: Dynamics and Impacts	The Changing Terrestrial Environments: Dynamics and Impacts
Unravelling Arctic Ecosystem Dynamics	Education and Capacity Building for The Polar Regions
Living in The Arctic	Observing the Arctic

March 24, 2021

Start (GMT)	End (GMT)	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
08:00	08:30								
08:30	09:00	ID-62 - Arctic climate change and its impacts on weather and climate in the midlatitudes	ID-93 - Climate change and the Arctic Ocean (1)	ID-30 - Permafrost thaw effects to the Arctic nature and society	ID-06 - Arctic ecosystem changes, pollutant issues and their impact on wildlife and northern communities	ID-44 - Effects of environmental parameters on polar terrestrial microbial communities	ID-83 - Human-environment relations - a multi-disciplinary perspective on their repercussions in a changing Arctic (1)	ID-20 - The Arctic Highway(s): Multidirectional effects of socio-economic changes	ID-46 - Observing for Action: Outcomes of the 5th Arctic Observing Summit and Advances in Coordinated Observations
09:00	09:30								
09:30	10:00								
10:00	10:30								
10:30	11:00	Break							
11:00	11:30	ID-65 - Mid- and low-latitude impacts on the Arctic and Antarctic	ID-93 - Climate change and the Arctic Ocean (2)	ID-34 - Implications of permafrost thaw at multiple scales: effects on hydrology and biogeochemistry (1)	ID-57 - Light as a structuring mechanism in the Arctic - from physics to biology (1)	ID-83 - Human-environment relations - a multi-disciplinary perspective on their repercussions in a changing Arctic (2)	ID-88 - Emerging technologies and their applications in the Arctic (1)	ID-13 - Advancing SAON's Roadmap + ID-73 - Pollution of the Arctic Environment	
11:30	12:00								
12:00	12:30								
12:30	13:00								
13:00	13:30	Lunch Break							
13:30	14:00	Opening Session (Plenary Room)							
14:00	14:30	Key Note Lecture: Sheila Watt-Cloutier - The Arctic as your North Star: Re-imagining a Way Forward by Humanizing Climate Change (Plenary Room)							
14:30	15:00	Break							
15:00	15:30	Key Note Lecture: Zita Martins - The Arctic as a planetary analogue for the detection of signatures of life on icy moons of our solar system (Plenary Room)							
15:30	16:00	ID-41 - An ambivalence/paradox of Arctic development: the environment vis-à-vis economy	ID-14 - Linkages and impacts of sea ice conditions and changes in the central Arctic (1)	ID-34 - Implications of permafrost thaw at multiple scales: effects on hydrology and biogeochemistry (2)	ID-54 - Fjords ecosystems in a global perspective - similarities and special features (1)	ID-57 - Light as a structuring mechanism in the Arctic - from physics to biology (2)	ID-75 - Arctic Voices in Art and Literature	ID-88 - Emerging technologies and their applications in the Arctic (2)	ID-35 - Learning from Indigenous methodologies in collaborative Arctic science
16:00	16:30								
16:30	17:00								
17:00	17:30								
17:30	18:00	Break							
18:00	18:30	ID-05 - The Object: Regional Messenger, Global Message	ID-14 - Linkages and impacts of sea ice conditions and changes in the central Arctic (2)	ID-53 - Earth surface processes in a warmer and wetter Arctic	ID-54 - Fjords ecosystems in a global perspective - similarities and special features (2)	ID-23 - The forgotten season - Arctic Winter Microbiology	ID-08 - Arctic Engineering - Research Supporting a Better Life in the Cold	ID-91 - Arctic in Transition: Monitoring ecosystem change from the ground, air, and space (1)	ID-26 - The Arctic Underground: Exploring root and rhizosphere processes in cold ecosystems
18:30	19:00								
19:00	19:30								
19:30	20:00								
20:00	20:30	Break							
20:30	21:00	Break							

March 25, 2021

Start (GMT)	End (GMT)	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
08:00	08:30								
08:30	09:00	ID-43 - Arctic Security: from the geostrategic 'game' of superpowers to global resource competition or societal security?	ID-09 - Ocean Biogeochemistry in the Rapidly Changing Arctic: Research and Impacts (1)	ID-34 - Implications of permafrost thaw at multiple scales: effects on hydrology and biogeochemistry (3)	ID-27 - Biodiversity and ecosystem functions in the New Arctic (1)		ID-19 - Northern Roads and Railways: Social and Environmental Effects of Transport Infrastructure	ID-91 - Arctic in Transition: Monitoring ecosystem change from the ground, air, and space (2)	
09:00	09:30								
09:30	10:00								
10:00	10:30								
10:30	11:00	Key Note Lecture: Letizia Tedesco - Emerging ecological consequences of Arctic sea-ice decline (Plenary Room)							
11:00	11:30	Break							
11:30	12:00	ID-66 - Arctic Science Diplomacy in the Rapidly Changing World: Global Trends and Regional Impacts (1)	ID-09 - Ocean Biogeochemistry in the Rapidly Changing Arctic: Research and Impacts (2)	ID-25 - Experiences in sustaining collaborative Arctic research teams (1)	ID-27 - Biodiversity and ecosystem functions in the New Arctic (2)	ID-12 - Microbiomes and biogeochemical processes along geographic and environmental gradients in the circumpolar North (1)	ID-18 - Adapting to Climate: People and Buildings in Extremely Cold Regions (1)	ID-68 - Progress Towards Realizing Data Sharing for the Arctic Region and Beyond (1)	ID-88 - Emerging technologies and their applications in the Arctic (3)
12:00	12:30								
12:30	13:00								
13:00	13:30								
13:30	14:00	Lunch							
14:00	14:30	IASC Medal Lecture 2020: Sue Ellen Moore - Marine Mammals as Sentinels of Ecosystem Variability in a Rapidly Warming Arctic (Plenary Room)							
14:30	15:00	ID-66 - Arctic Science Diplomacy in the Rapidly Changing World: Global Trends and Regional Impacts (2)	ID-02 - Changing Arctic Coasts (1)	ID-25 - Experiences in sustaining collaborative Arctic research teams (2)	ID-71 - Biodiversity at Northern Latitudes: a Focus on Wetland and Freshwater Ecological Connectivity	ID-12 - Microbiomes and biogeochemical processes along geographic and environmental gradients in the circumpolar North (2)	ID-18 - Adapting to Climate: People and Buildings in Extremely Cold Regions (2)	ID-68 - Progress Towards Realizing Data Sharing for the Arctic Region and Beyond (2)	ID-97 - Open Session on the Arctic Atmosphere
15:00	15:30								
15:30	16:00								
16:00	16:30								
16:30	17:00	Break							
17:00	17:30	ID-94 - Addressing Arctic Change - from Knowledge to Action	ID-02 - Changing Arctic Coasts (2)	ID-80 - Cryosphere Outreach: Concepts and new Developments	ID-56 - Climate change and its impact on ecosystems in subarctic Eurasia	Panel Session - One Health in the Arctic	ID-32 - Responsible development of the Arctic - opportunities, challenges, and pathways to action (1)	ID-17 - The International Synoptic Arctic Survey (SAS) Activities	ID-101 - Sea, lake and river ice monitoring and modelling
17:30	18:00								
18:00	18:30								
18:30	19:00								
19:00	19:30	Break							
19:30	20:00	Break							

March 26, 2021

Start (GMT)	End (GMT)	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
08:00	08:30								
08:30	09:00		ID-55 - System of knowledge production for the Central Arctic Ocean: a model for the region and the globe (1)	ID-59 - Permafrost and periglacial processes in cold climatic areas (1)	ID-27 - Biodiversity and ecosystem functions in the New Arctic (3)		ID-21 - The spectrum of intersectionality in the Arctic - from discrimination to diversity and inclusion	ID-60 - Integrating Arctic observing systems - results from the H2020 INTAROS project	ID-64 - Arctic clouds, aerosols and climate effects
09:00	09:30								
09:30	10:00								
10:00	10:30								
10:30	11:00	Key Note Lecture: Vyacheslav Shadrin (Plenary Room)							
11:00	11:30	Break							
11:30	12:00	ID-86 - Education, Equity and Inclusion: Teaching and Learning for a Sustainable North (1)	ID-55 - System of knowledge production for the Central Arctic Ocean: a model for the region and the globe (2)	ID-59 - Permafrost and periglacial processes in cold climatic areas (2)	ID-27 - Biodiversity and ecosystem functions in the New Arctic (4)	ID-100 - Past climates and environments of the Arctic	ID-32 - Responsible development of the Arctic - opportunities, challenges, and pathways to action (2)	ID-78 - The Distributed Biological Observatory: A Change Detection Array in the Arctic	ID-102 - Arctic Glaciers and Ice Sheets: Past, Present and Future
12:00	12:30								
12:30	13:00								
13:00	13:30								
13:30	14:00	Lunch							
14:00	14:30	Key Note Lecture: Warwick F. Vincent - Arctic Connections: Lands, Seas, Culture and Last Ice (Plenary Room)							
14:30	15:00	ID-86 - Education, Equity and Inclusion: Teaching and Learning for a Sustainable North (2)	ID-74 - Plankton Microbial Communities and its Functions in a Changing Arctic	ID-10 - Governance in the Central Arctic Ocean: from local to global + ID-47 - Regional Changes, Global Impacts in Arctic Fisheries	ID-12 - Microbiomes and biogeochemical processes along geographic and environmental gradients in the circumpolar North (3)		ID-32 - Responsible development of the Arctic - opportunities, challenges, and pathways to action (3)	ID-85 - Use and Usability of Data and Information within Arctic Community-Driven Research	ID-31 - Aerosol observations in the Arctic from ground-based and satellite systems during T-MOSAIC
15:00	15:30								
15:30	16:00								
16:00	16:30								
16:30	17:00	Break							
17:00	17:30	Break							
17:30	18:00	IASC Medal Lecture 2021: Atsumu Ohmura - Arctic as a laboratory for scientific research (Plenary Room)							
18:00	18:30	Break							
18:30	19:00	Break							
19:00	19:30	Break							
19:30	20:00	Closing Session (Plenary Room)							