

CRYOSPHERE 2022

The symposium week at a glance:

SUNDAY, AUGUST 21

Public event:

Presentation by **James Balog**, author of the award-winning film *Chasing Ice*

Icebreaker

MONDAY, AUGUST 22

Tíme	Speakers	Provisional titles of sessions and talks
09:00	Opening session	
09:30	Morning session	The Cryosphere: Past, present and future
	Dorthe Dahl-Jensen	Past climates from cryospheric archives
	Valerie Masson-Delmotte	Global warming and the cryosphere
	Eric Rignot	On the difficulties of projecting future ice sheet melt and why observations remain paramount
	Jason Box	Accelerations in the Arctic and global climate system
	Panel discussion	
12:15	LUNCH	
13:15	Afternoon session 1	Cryospheric change around the world
	Olga Makarieva	Arctic hydrology and cryospheric change
	Julia Boike	Arctic Permafrost: The consequences of thaw
	Mark Serreze	The future of sea ice in the Arctic
	Mandira Singh Shrestha	Snow, ice and runoff in high mountain areas
	Panel discussion	
	BREAK	
16:00	Afternoon session 2	Humans and the cryosphere
	Astrid Ogilvie	Of Ice and Men: From polar explorers to Polar Research
	NN, native of Greenland	Climate change and indigeneous knowledge
	NN	TBA
	Panel discussion	
17:30	END	

TUESDAY, AUGUST 23

Tíme	Session title (provisional)	Lead organizers
08:30	Snow cover change: Current capabilities - future needs	GCW/WMO, IACS
	COFFEE BREAK	
10:30	Snow and ice as a water resource	IAHS, UNESCO
12:15	LUNCH	
13:30	Permafrost: Dynamics and challenges for society into the future	IPA, IASC
	COFFEE BREAK	
15:30	Ocean-cryosphere interactions	IOC, IACS, IASC
17:00	General discussion	
17:30	END	

WEDNESDAY, AUGUST 24

Tíme	Session title (provisional)	Lead organizers
08:30	Glacier mass balance: A global outlook	IASC, GCW
	COFFEE BREAK	
10:30	Physical processes in glaciers and ice caps and glacier hazards	GCW, IACS
12:15	LUNCH	
13:00	Mid-Conference Excursion	

THURSDAY, AUGUST 25

Tíme	Session title (provisional)	Lead organizers
08:30	The Greenland ice sheet in a warmer climate	DMI, GCW
	COFFEE BREAK	
10:30	Antarctica: Responses of the frozen continent to global warming	SCAR, GCW
12:15	LUNCH	
13:30	Sea ice cover: Recent changes and future projections	AWI, NSIDC
	COFFEE BREAK	
15:30	Climate variations, climate- and Earth-System modelling	WMO, ECMWF
16:30	General discussion	
17:00	END OF SYMPOSIUM	

FRIDAY, AUGUST 26

08:30	Monitoring systems, research gaps, new technologies	GCW/WMO, IAHS
	COFFEE BREAK	
10:30	Conference summary and recommendations	GCW
12:15	LUNCH	
13:30	Start of afternoon sessions (TBD)	
16:30	General discussion	
17:00	END OF SYMPOSIUM	

SATURDAY, AUGUST 27

09:00 Start of 1-day and 3-day fieldtrips