

# 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

Time	Speakers	Provisional titles of sessions and talks
09:00	<b>Opening session</b>	
09:30	<b>Morning session</b>	<b>The Cryosphere: Past, present and future</b>
	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
	NN	The cryosphere in the future
	Panel discussion	
12:15	LUNCH	
13:15	<b>Afternoon session 1</b>	<b>Cryospheric change around the world</b>
	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	<b>Afternoon session 2</b>	<b>Humans and the cryosphere</b>
	Astrid Ogilvie	Of Ice and Men: From polar explorers to Polar Research
	NN, native of Greenland	Climate change and indigenous knowledge
	NN	TBA
	Panel discussion	
17:30	END	

## TUESDAY, AUGUST 23

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

## WEDNESDAY, AUGUST 24

Time	Session title (provisional)	Lead organizers
08:30	<b>Glacier mass balance: A global outlook</b>	IASC, GCW
	COFFEE BREAK	
10:30	<b>Physical processes in glaciers and ice caps and glacier hazards</b>	GCW, IACS
12:15	LUNCH	
13:30	<b>The Greenland ice sheet in a warmer climate</b>	DMI, GCW
	COFFEE BREAK	
15:30	<b>Antarctica: Responses of the frozen continent to global warming</b>	SCAR, GCW
17:00	General discussion	
17:30	END	

## THURSDAY, AUGUST 25

Time	Session title (provisional)	Lead organizers
08:30	<b>Sea ice cover: Recent changes and future projections</b>	AWI, NSIDC
	COFFEE BREAK	
10:30	<b>Climate variations, climate- and Earth-System modelling</b>	WMO, ECMWF
12:15	LUNCH	
13:30	<b>Monitoring systems, research gaps, new technologies</b>	GCW/WMO, IAHS
	COFFEE BREAK	
15:30	<b>Conference summary and recommendations</b>	GCW
16:30	General discussion	
17:00	END OF SYMPOSIUM	

## FRIDAY, AUGUST 26

TBD