

Programme "The Cryosphere in a changing climate –

A scientific symposium in the memory of Koni Steffen" / Congress Centre Davos (22)23-24 JUN 2022

(Programme subject to change; v 20 JUN 2022)

<u>Date / Time</u>	<u>Topic</u>	<u>Venue</u>	<u>Speakers</u>
Wednesday, 22nd June 2022			
starting 17.00 til around 19.00	Icebreaker Pre-registration	Congress Centre Davos, Entrance C, Promenadenstrasse Foyer	
Thursday, 23rd June 2022			
		Congress Centre Davos, Entrance C, Promenadenstrasse Rooms Aspen I+II	
08.30-10.00	Registration and welcome coffee	Foyer Congress Centre Davos, Entrance C	<i>Organising Committee</i>
10.00-11.00	Symposium 1st part -- The scientific legacy of Koni Steffen		<i>Chair Gian-Kasper Plattner</i>
10.00-10.10	Welcome		Beate Jessel
10.10-10.35	Koni Steffen: scientist, teacher and communicator	via Zoom	Waleed Abdalati
10.35-11.00	Long-term monitoring and research efforts to foster innovation		Theodore Scambos
11.00-11.30	Coffee-break		
11.30-12.35	Science Talks 1 Ice sheets and sea level		<i>Chair Gian-Kasper Plattner</i>
11.30-11.55	Polar Ice Sheets: mass balance and dynamics		Eric Rignot
11.55-12.20	Sea level change: past and future		Helene Hewitt

12.20-12.35	EARLY CAREER presentations Talk 1: Subsurface warming of West Antarctic coastal waters linked to ENSO events Talk 2: Impact of atmospheric forcing uncertainties on Arctic and Antarctic sea ice simulation in CMIP6 OMIP		Maurice Huguenin Xia Lin
12.35-14.30	Postersession		Students, Postdocs, Early Career Scientists
13.30-14.30	Lunch		
14.30-17.00	Science Talks 2 High mountain glaciers and global biogeochemical cycles		<i>Chair Birgit Ottmer</i>
14.30-14.55	Mountain glaciers and hydrology: a Swiss perspective		Daniel Farinotti
14.55-15.20	Preserving ice cores from mountain glaciers: the ICE MEMORY initiative		Margit Schwikowski
15.20-15.50	Coffee-break		
15.50-16.05	EARLY CAREER presentations Talk 3: Snow accumulation over the world's glaciers (1981-2021) inferred from climate reanalyses and machine learning Talk 4: Hot spots of glacier mass balance variability in Central Asia		Matteo Guidicelli Martina Barandun
16.05-16.30	Carbon, climate and the role of the Southern Ocean		Nicolas Gruber
16.30-16.50	Sermeq Konrad Steffen Books, photos and exhibition	per Zoom Lecture Hall	Arnaq Brandt Johansen / Andreas Peter Ahlstrøm / William Colgan Thomas Stocker / Martin Hood Peter Cerny Fridolin Walcher
16.50-17.00	Information for the evening / End of session		
<i>[Rooms have to be cleared as quickly as possible in order to prepare for apéro and dinner]</i>			

17.00-18.00	Check-in hotels (if not yet done)		
18.00-19.00	Apéro	Congress Centre Davos, Entrance C, Promenadenstrasse Foyer	all participants and guests
19.15-ca. 23.00	Meet&Dine	Congress Centre Davos, Entrance C, Promenadenstrasse Rooms Aspen I+II	all participants and guests
	Memories of Koni		Atsumu Ohmura Anico and Simon Steffen
Friday, 24th June 2022			
		Congress Centre Davos	
09.00-10.05	Science Talks 3 Information from paleoclimate archives		<i>Chair Daniel Farinotti</i>
09.00-09.25	Paleoclimate information from sediment cores		Bianca Perren
09.25-09.50	Long-term climate reconstructions from polar ice cores		Thomas Stocker
09.50-10.05	EARLY CAREER Presentations Talk 5: Self-contained ecosystems on the surface of ice: do microorganisms of cryoconite holes affect the glaciers? Talk 6: Drivers of changes in the permafrost late shoulder season		Ewa Poniecka Cécile Osy
10.05-10.35	Coffee-break		
10.35-11.40	Science Talks 4 Sea ice and Greenland field work		<i>Chair Danièle Rod</i>
10.35-11.00	Sea ice changes in Arctic and Antarctic		Julienne Stroeve
11.00-11.25	Greenland field work: Swiss Camp etc.		Jay Zwally
11.25-11.40	EARLY CAREER Presentations Talk 7: The hydrology of icy firn		Nicole Clerx

	Talk 8: Comparing radiative transfer models of bare Arctic sea ice to in-situ observations		Amy MacFarlane
11.40-13.15	Postersession		Students, Postdocs, Early Career Scientists
12.00-13.15	Lunch		
13.15-15.15	Research, climate and the scientist's engagement		<i>Chair Heini Wernli</i>
13.15-13.40	Linking science with policy makers (present as former Arctic Ambassador)		Stefan Flückiger
13.40-14.05	International policy discourse: from the IPCC to individuals		Valérie Masson Delmotte
14.05-14.35	Coffee-break		
14.35-15.15	Closing plenary		
14.35-15.00	Ensuring Koni's legacy: from Swiss Camp to SPI		Jason Box Danièle Rod
15.00-15.15	End of symposium / Wrap-up		