

Day 1: Wednesday 23rd November 2022

Bus from Frascati centre (Piazza Marconi) @8:30

In-person, remote

Welcome	
09:00: Registration and coffee 09:30: ESA Welcome and Intro: Objectives and preliminary plans for 2023-2025, <i>Diego Fernandez</i>	
Morning session 1: 4DGreenland final project results	9:45-11:00 (1hr 15mins)
09:45: Surface melt science case, <i>Jan Wuite</i> 10:00: Supraglacial storage science case, <i>Jenny Maddalena</i> 10:15: Subglacial lakes, <i>Louise Sørensen</i> 10:30: Subglacial melt, <i>Nanna Karlsson</i> 10:45: Integrated assessment, <i>Louise Sørensen</i>	
Coffee: 11:00-11:30	
Morning session 2: Greenland continued	11:30-13:00 (1hr 30mins)
11:30: 4DGreenland Scientific Roadmap, <i>Andy Shepherd</i> 11:45: 4DGreenland CCN, <i>Jörg Ebbing</i> 11:50: EO4SMB Final Project Results, <i>Mal McMillan, Martijn Vermeer, Louise Sørensen</i> 12:10: EO4SMB Scientific Roadmap, <i>Mal McMillan</i> 12:30: Discussion on Greenland priorities and next steps, <i>led by Louise Sørensen and Mal McMillan</i>	
Lunch 13:00 – 14:00	
Afternoon session 1: Arctic Ocean – Sea ice,	14:00-15:30 (1hr 30mins)
14:00: Summer sea ice thickness from CryoSat-2, <i>Jack Landy</i> 14:15: Polar+ Snow on Sea Ice Final Project Results: set of presentations on final results, datasets, science advances and roadmap, <i>P+SSI team</i> 15:00: AKROSS final project results, <i>Mel Sandells</i> 15:15: SIN'XS new project overview, <i>Sara Fleury, Elodie da Silva</i>	
Coffee 15:30 – 16:00	
Afternoon session 2: Arctic Ocean	16:00-17:30 (1hr 30mins)
16:00: ARKTALAS Final Project Results and Scientific Roadmap, <i>Johnny Johannessen</i> 16:20: Arctic+ Salinity CCN, <i>Carolina Gabarró</i> 16:35: Cryosphere Virtual Laboratory, <i>Eirik Malnes</i> 16:50: Discussion on Arctic Ocean priorities and next steps, <i>led by Michel Tsamados, Mel Sandells, & Johnny Johannessen</i>	
17:30: Icebreaker drinks reception	Bus to Frascati centre @18:45

Day 2: Thursday 24th November 2022

Bus from Frascati centre (Piazza Marconi) @8:45

In-person, remote

Wake up talk	
09:30: Status of new missions & development for Polar science and applications, <i>Craig Donlon</i>	
Morning session 1: 4DAntarctica	9:45-11:00 (1hr 15mins)
09:45: 4DAntarctica and Digital Twin Projects overview, <i>Noel Gourmelen</i>	
09:50: Supra-glacial melt, <i>Giovanni Macelloni</i>	
10:00: Supra-glacial melt, <i>Thomas Nagler, Jan Wuite</i>	
10:10: Supra-glacial lakes & ESRIN HPC usage for DTE, <i>Mal McMillan, Diarmuid Corr, Amber Leeson</i>	
10:20: "Lithosphere", <i>Fausto Ferraccioli, Rene Forsberg</i>	
10:30: Ice sheet temperature, <i>Giovanni Macelloni, Catherine Ritz</i>	
10:40: Subglacial lakes, <i>Anna Hogg</i>	
10:45: Subglacial routing, <i>Mauro Werder</i>	
10:50: 4DA and DTE status, <i>Martin Ewart</i>	
Coffee: 11:00-11:30	
Morning session 2: 4DAntarctica continued & DTE Antarctica	11:30-13:00 (1hr 30mins)
11:30: MAR Model & EO Assimilation including ESRIN HPC usage, <i>Quentin Claude</i>	
11:45: Ice-sheet wide basal melting: Amery case study, <i>Martin Wearing</i>	
11:55: Active subglacial lakes (4DA + DTE), <i>George Malczyk</i>	
12:00: Ice-Subglacial-Ocean Interactions (4DA + DTE), <i>Dan Goldberg</i>	
12:15: Ice shelves dynamics, melting and stability – including DTE platform concept demo, <i>Martin Wearing, Martin Ewart</i>	
12:30: Discussion on Antarctica priorities and next steps, <i>led by Mal McMillan & Noel Gourmelen</i>	
Lunch 13:00 – 14:00	
Afternoon session 1: Ice shelves and ocean interactions	14:00-15:30 (1hr 30mins)
14:00: Polar+ Ice Shelves: Project overview – aims, key datasets and highlight results, <i>Anna Hogg</i>	
Polar+ Ice Shelves Scientific Roadmap Showcase:	
14:15: Future development of ice shelf basal melt rate product, <i>Noel Gourmelen</i>	
14:25: Future development of ice shelf velocity product, with links to ESA future missions (ROSE-L, Harmony, S1 NG), <i>Thomas Nagler</i>	
14:35: Ice shelf mass balance and freshwater budget, <i>Benjamin Davison</i>	
14:45: CryoSat+ Antarctic Ocean Final Project Results: set of presentations on final results, datasets, science advances and roadmap, <i>CSAO team</i>	
Coffee 15:30 – 16:00	

Afternoon session 2: Southern Ocean	16:00-17:30 (1hr 30mins)
16:00: 20 years of Antarctic sea ice volume, <i>Florent Garnier</i> 16:15: SO Ice, <i>Anna Hogg</i> 16:30: SO Fresh, <i>Rafael Catany</i> 16:45: ALBATROSS, <i>Mathilde Cancet</i>	
17:00: Discussion on Southern Ocean + Ice Shelves priorities and next steps, <i>led by Isobel Lawrence, Anna Hogg & Michel Tsamados</i>	
17:30: Drinks reception + Digital Twin Antarctica demo <i>Martin Ewart, Noel Gourmelen, Livia Jakob, Diarmuid Corr</i>	
18:45: Bus to Frascati centre 20:00: Dinner at Belvedere dal 1933, Frascati.	<i>Note: last train to Rome @22:36</i>

Day 3: Friday 25th November 2022

Bus from Frascati centre (Piazza Marconi) @8:45

In-person, remote

Morning session 1: Continental Cryosphere	9:30-11:00 (1hr 30mins)
09:30: GLAMBIE, <i>Livia Jakob</i> 09:45: Alpine Glaciers, <i>Frank Paul</i> 10:00: Alpine snow, <i>Thomas Nagler</i> 10:15: EO4PAC, MethEO, High latitude methane and AMPAC, <i>Annett Bartsch</i> 10:30: CryoBioLinks, <i>Kristin Böttcher</i>	
10:45: Discussion on priorities and next steps, led by <i>Diego Fernandez</i>	
Coffee: 11:00-11:30	
Morning session 2: Links to EC activities and 2023+	11:30-13:00 (1hr 30mins)
11:30: Introduction, <i>Nicole Biebow</i> 11:35: OCEAN:ICE, <i>Andrew Meijers</i> 11:40: PROTECT, <i>Gael Durand</i> 11:45: PolarRES, <i>Priscilla Mooney</i> 11:50: CRiceS, <i>Jennie Thomas</i> 11:55: TiPACCs, <i>Petra Langebroek</i> 12:00: ARCOS, <i>Massimo Severo Sernicola</i> 12:05: SIOS, <i>Shridhar Jawak</i> 12:10: Arctic Passion, <i>Jonathan Bamber</i>	
12:15: Work plan 2023+ discussion and wrap-up, <i>led by Diego Fernandez</i>	
Bus @13:10 to Frascati centre	