

# SAGES 2020 ASM SCHEDULE

At a glance

## Tuesday 24th November, 11:20 for 11:30 start

11:30 - 11:55. **SESSION 1:** Welcome

Des Thompson - Chair SAGES Advisory Board

Mark Inall - SAGES Director

John Howe - SAGES Graduate School Convenor and PGR Paper Prize Presentation

12:00 - 13:00 **Keynote 1.** Kersti Berge, Scottish Government. Director of Energy and Climate Change

14:00 - 16:30 (with break) **SESSION 2:** Land, Landscapes and Societal Interactions

## Wednesday 25th November, 09:30 start

09:30 - 11:40 (with break). **SESSION 3:** Carbon in the Earth System

12:00 - 13:00 **Keynote 2.** Finlo Cottier (SAMS) and Francesco Bertoldi (Scottish Government). *Arctic matters: Scotland and the New North.*

14:00 - 15:40. **SESSION 4:** Volcanoes and their interaction with surface processes  
(VALIDATE)

## Thursday 26th November, 10:30 start

10:30 - 11:40. **SESSION 5:** Integrated Water Cycle Management

12:00 - 13:00 **Keynote 3:** Francesca Osowska OBE, FRSE, CEO NatureScot (formerly Scottish Natural Heritage). *Reimagine the future: Nature is key to Scotland's green recovery action plan*

14:00 - 16:30 **SESSION 6:** (with break) Earth Systems: Ocean, Ice and Land.

16:30 Thanks and close. Mark Inall - SAGES Director

# SAGES 2020 ASM FULL SCHEDULE

## SESSION 1: Welcome

<b>SESSION 1</b> Tuesday 24th am.	<b>Chair:</b> Mark Inall	<b>Rapporteur:</b> James Coogan	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
11:30	11:35	Des Thomson	Welcome
11:35	11:45	Mark Inall	SAGES now
11:45	11:55	John Howe	Grad School and PGR Prizes

**SESSION 2: Land, Landscapes and Societal Interactions**

<b>SESSION 2:</b> Tuesday 24th pm.	<b>Chair: Rebecca Wade, Emrys Phillips, Daniel Gilmour</b>	<b>Rapporteurs:</b>	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
14:00	14:30		
<b>Marine Group</b>		ARMSTRONG, CHRISTIAN (SAMS)	Bathymetric observations of an extreme tidal flow: approaches to the Gulf of Corryvreckan, western Scotland, UK
		STEWART, HEATHER (BGS)	The First Geomorphological Map of the South Sandwich Trench
		HOWE, JOHN (SAMS)	Characteristics of shallow and mesophotic environments of the Pemba Channel, Tanzania: implications for management and conservation
		KAZANIDIS, GEORGIOS (EDINBURGH)	The health status of the deep sea
14:30	15:00		
<b>Landscape Group</b>		LARGE, DAVID (NOTTINGHAM)	Informing restoration strategies with bog breathing.

		MOREAU, MIZA (GLASGOW)	Urban commoning and urban morphology: mapping reappropriations of residential alleys
		JONES, TANYA (DUNDEE)	Global restorative climate justice and deglaciating environments
		MOREL, ALEXANDRA (DUNDEE)	Human Appropriated Net Primary Productivity (HANPP) in Cocoa Landscapes
15:00 BREAK	15:15		
15:15 <b>Agriculture Group</b>	16:00		
		DAWSON, LORNA (JHI)	A Green Recovery in Food, Farming & Countryside in Scotland
		MILLER, DAVID (JHI)	Multi-Actor Platforms for Studying Agro-Ecological Farming Systems in the EU
		JACKSON, NEIL (GLAGOW)	Vertical Greening Systems: Multifunctional GI
		MILLER, DAVID (JHI)	Informing the Long Term Vision for Rural Areas of the European Union

16:00 <b>Health &amp; Behaviour group</b>	16:20		
		PFLEGER, SHARON NHS	Antimicrobial Resistance - how can digital messaging help
		OLIVIA OLIVARIUS (STIRLING)	Optimising Recycling Performance via Choice Architecture
Q&A 16:20	16:30		

**SESSION 3: Carbon in the Earth System**

<b>SESSION 3: Wednesday 25th am.</b>	<b>Chairs:</b> Christian Schroeder Philippa Ascough Ehsan Jorat	<b>Rapporteur (may be assigned to a different session):</b> Emily Bonsall	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
9:30	9:45	MOREAU, JOHN	Microbial weathering of REE and P in weathered granitic soil profiles
9:45	10:00	CASAS, CARLA	CO <sub>2</sub> emissions of Microbially-Induced Calcite Precipitation
10:00	10:10	EGGO, HARRY	Using Microbial-Induced Calcite Precipitation to Mitigate Against Internal Erosion
10:10	10:15	KHUDHUR, FAISAL	Quantifying passive CO <sub>2</sub> capture with steel slag using X-ray microcomputed tomography
10:15	10:30	Break	
10:30	10:35	BONSALL, EMILY	Preservation of organic matter by reactive iron species on Mars relevant to Mars sample return
10:35	10:45	HUNT, CORALIE	Regional Scale Mapping of Sedimentary Carbon Using Multibeam Data: The Moray Firth
10:45	10:55	KELLOCK, CELESTE	Source to Sea
10:55	11:05	Break	

11:05	11:20	TYLER, ANDREW	The Forth - Environmental Resilience Array: Driving the Green Recovery
11:20	11:30	HELWIG, KARIN	Informing strategies for reducing Pharma Pollution
11:30	11:40	CUTLER, MARK	Active tropical forest restoration and carbon pricing

**SESSION 4: Volcanoes and their interaction with surface processes (VALIDATE)**

<b>SESSION 4: Wednesday 25th pm:</b>	<b>Chairs:</b> Matteo Spagnolo	<b>Rapporteur (may be assigned to a different session):</b> Will Harcourt (St. Andrews)	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
14:00	14:02	Matteo Spagnolo (Aberdeen)	Welcome
14:02	14:12	Eva Eibl (Potsdam)	Advancing flood early-warning using seismic arrays
14:12	14:22	David MacFarlane (St. Andrews)	R4AsH: Radar-supported Next-Generation Forecasting of Volcanic Ash Hazards
14:22	14:32	Guido Ventura (INGV)	Emplacement mechanism and physical parameters of the 1944 Vesuvio lava flow from DTM
14:32	14:42	Richard Streeter (St. Andrews)	Preservation of tephra from the 1991 eruption of Cerro Hudson, Chile
14:42	14:52	Simona Gabrielli (INGV)	Surficial geological and geomorphological control on seismic waveform at Mount St. Helens Volcano (USA)
14:52	14:55	BREAK	BREAK
14:55	15:05	Jan Jaszewski (Aberdeen)	Ice and Fire: the influence of volcanism on the



			dynamics of Andean glaciers
15:05	15:15	Oliver Lamb (North Carolina)	Identifying Icequakes at Ice-Covered Volcanoes in South Chile
15:15	15:25	Luca De Siena (Mainz)	Imaging and modelling magmatic systems across scales
15:25	15:35	Sophie Butcher	Investigating repeating seismicity at Cayambe Volcanic Complex, Ecuador

### SESSION 5: Integrated Water Cycle Management

<b>SESSION 5: Thursday 26th am.</b>	<b>Chairs:</b> Irena Connon, Rachel Helliwell	<b>Rapporteur:</b>	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
10.30	10.40	Irena Connon	Introduction
10.40	10.45	Donald MacAllister	Performance of rural water supplies during drought in Ethiopia
10.45	10.50	Irena Connon	Rethinking the Relationship between Disability and Vulnerability to Flooding and Extreme Weather through a Relational Perspective of Disability
10.50	10.55	Lydia Niemi	Spatio-temporal trends in pharmaceutical concentrations in the River Dee
10.55	11.00	Sabolc Pap	Adsorptive phosphorus recovery from wastewater to create soil improver product
11.00	11.05	Kerr Adams	Understanding knowledge needs for Scotland to become a resilient Hydro Nation: Freshwater stakeholder perspectives
11.05	11.10	Heather Anderson	Cross-sectoral

			insights for reducing carbon emissions in the water sector
11.10	11.40	Rachel Helliwell + All	Discussion: Review title/objectives of the Fora; Contemporary water-related issues; wider networks/ partnerships; events and effective methods of communication

**SESSION 6: Earth Systems: Ocean, Ice and Land**

<b>SESSION 6: Thursday 26th pm</b>	<b>Chairs:</b> Finlo Cottier, Tom Cowton, Sian Henley	<b>Rapporteurs:</b> Sian/Finlo/Tom	
<i>Start Time</i>	<i>Stop Time</i>	<i>Presenter</i>	<i>Title</i>
1400	1440	Kurjanski	Small ice stream troughs indicate rapid deglaciation of the Central Barents Sea
		Darling	Innovative ecological behaviour for survival in the Arctic polar planktonic biome
		Nadia Jogee	How corals 'cheat' the intermediate disturbance hypothesis
		Mallon	Quantifying coral reef metabolism
		Barnhill	Acclimatization Drives Differences in Reef-Building Coral Calcification Rates
1440	1445	Break	Cowton (Static Abstract)
1445	1530	Dove	Geomorphological mapping and records of sea level change offshore Orkney
		Fraser	120 Years of North Atlantic Circulation Reconstructed from Observations
		Davidson	Iceberg melting increases ocean forcing of Greenland glaciers
		Slater	The influence of the ocean on iceberg calving
		Williams	Recent Dynamical Change at Helheim Glacier, SE Greenland
		Rea	Rapid Little Ice Age advance of a Greenlandic tidewater glacier
1530	1540	Break	Bingham (Static Abstract)
1540	1625	Oien	Analysing palaeocirque glacier equilibrium line altitudes, aspect and altitude as indicators of palaeoclimate

			across the Scandinavian Mountains
		Delf	Comparison of automated approaches to extracting englacial-layer geometry from radar data across ice sheets
		Harcourt	Mapping glaciers using millimetre-wave radar
		Wearing	4D Antarctica: Characterising the supra- and sub-glacial hydrology of the Antarctic Ice Sheet
		Ashmore	Englacial Architecture and Age-Depth Constraints Across the West Antarctic Ice sheet
		Bodart	Age-depth Stratigraphy of Pine Island Glacier Inferred from Airborne Radar and Ice-Core Chronology

## ZOOM etiquette

- ★ Meeting is password protected - **please do not share** - Carol Thomson will send to registrants.
- ★ Same zoom link and password for each day
- ★ All entrants sit in waiting room, and are let in by Rapporteur two minutes before session start, EXCEPT for Chair and Rapporteur - see below
- ★ Everyone enters on mute. Camera is optional.
- ★ All screen sharing disabled at start, except for Chair and Rapporteur as co-hosts (see below)
- ★ Mute at all times unless invited to talk by chair
- ★ Q&A will be after presentations, and managed by chair
- ★ Use “raise hand” or chat to ask Qs
- ★ Sessions are not recorded. Keynotes may be recorded.

## Presenters

- ★ Your submitted abstract pptx slide will be displayed for you by the session rapporteur
- ★ You will not need to “share your screen” for your abstract to be visible to all attendees
- ★ Please stick to time as advised by your session chair(s)
- ★ You may present with your video on or off
- ★ You will not be interrupted during your allotted presentation time

## Chairs and Rapporteurs

- ★ Be online 15 minutes before your session starts
- ★ Read general instructions above
- ★ Carol will make both Chair and Rapporteur zoom “co-hosts” 10 minutes BEFORE your session starts
- ★ Rapporteur must monitor entrants waiting, and let them in two minutes before the session start time (many people can be admitted simultaneously).
- ★ Chair to introduce session and keep time - not the job of Rapporteur
- ★ Chair to remind all of ‘Participants’ etiquette below
- ★ Rapporteur to permit screen sharing as directed by chair, and mute all others during presentations
- ★ Presenter should be spotlighted
- ★ Rapporteur to monitor chat window during presentations
- ★ No interruptions during presentations. Q&A / Discussion after each presenter.
- ★ Chair to manage Q&A / Discussion after each presenter. Using the ‘raise hand’ feature from the audience and/or questions posted on chat. Rapporteur to remind chair of chat Qs if chair has not noticed them all.