

SAGES 2022 Annual Science Meeting

RRS Discovery and Malmaison Hotel, Dundee

Tuesday 3rd May, evening IceBreaker  
Wednesday 4<sup>th</sup> May – Thursday 5<sup>th</sup> May

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## Schedule at-a-glance

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Day 0 Tuesday 3<sup>rd</sup>  
RRS Discovery, Discovery Point, Dundee

18:00 – 20:00 Ice-breaker reception on deck of Discovery.

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Day 1 Wednesday 4<sup>th</sup>  
Malmaison Hotel, Dundee

09:15 - Welcome

09:30 – 12:30 Session 1: Land, Landscapes and Societal Interactions.

12:30 – 14:00 Lunch + poster set up

14:00 – 16:30 Session 2: Earth Systems: Ice, Land, Ocean, Atmosphere.

16:30– 16:45 Poster pop-ups (30s stand-up-and-talk, no slides!)

16:45 - 18:00: Poster session plus refreshments

19:30 Dinner at Malmaison

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Day 2 Thursday 5<sup>th</sup>  
Malmaison Hotel, Dundee

09:30 – 13:00 Session 3: Carbon

13:00 – 14:00 Lunch

14:00 – 16:00 Session 5: Integrated Water Cycle Management + Health and Wellbeing.

16:00 – Prizes

16:30 END

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Session Schedules

Title: Welcome	
Day: Wednesday 4 <sup>th</sup> May	
Start – End: 09:15 – 09:30	
<b>Time</b>	<b>Event</b>
09:15 – 09:30	Welcome from Mark Inall, SAGES Director.

Title: Land, Landscapes and Societal Interactions	
Day: Wednesday 4 <sup>th</sup> May	
Start – End: 09:30 – 12:30	
<b>Time</b>	<b>Event</b>
09:30	Mapping tipping points along coastal wetlands - Cai Ladd (Glasgow)
	People & peatlands in the Peruvian Amazon: an exploration of social-ecological dynamics - Lydia Cole (St Andrews)
	Landscape influences on vulnerability of coffee smallholder farmers to climate extremes - Alexandra Morel (Dundee)
10:30	coffee
	Multi-level fusion of satellite observation data for monitoring rural wellbeing - Peter Hargreaves (Edinburgh)
	Temperature-related mortality and associated vulnerabilities in Scotland - Kai Wan (Edinburgh)
	Projecting the Children’s Climate Risk Index to 2050 – Gary Watmough (Edinburgh)
	Session Group discussion
<b>Time</b>	<b>Event</b>
12:30 – 14:00	Lunch and Poster set up

Title: Earth Systems: Ice, Land, Ocean, Atmosphere	
Day: Wednesday 4 <sup>th</sup> May	
Start – End: 14:00 – 16:30	
Time	Event
14:00	Multi-sensor observations of glacier calving at Hansbreen, Svalbard – Will Harcourt (St. Andrews)
14:15	How do different wind forcing products impact the zonal current variability in the tropical Atlantic Ocean - Kristin Burmeister (SAMS)
14:30	Ice sheet-wide characterisation of upwelling in Greenland’s tidewater glacier fjords - Donald Slater (Edinburgh)
14:45	Investigating seasonality at tidewater glaciers in Greenland – Oliver Hall (St. Andrews)
15:00	Coffee
15:30	Constraining melting and hydrology beneath the Antarctic ice sheet using models and satellite observations - Martin Wearing (Edinburgh)
15:45	Sulphur isotope insights into the origin of magmatic volatiles at the Cameroon Volcanic Line (CVL) – Sophie Baldwin (Edinburgh)
16:00	Landsat-1 mosaic of Antarctica from the 1970’s - Bertie Miles (Edinburgh)
16:15	Glider observations of the Scottish slope current – Neil Fraser (SAMS)

Title: Refreshments and Posters	
Day: Wednesday 4 <sup>th</sup> May	
Start – End: 16:30 – 18:00	
Time	Event
16:30 – 16:45	Poster pop-ups (30 s stand-up no slides!)
16:45 – 18:00	Refreshments and Posters
19:30	Conference Dinner, Malmaison

Title: Carbon	
Day: Thursday 5 <sup>th</sup> May	
Start – End: 09:30 – 13:00	
Time	Event
09:30 – 10:00	Example feedbacks and management options of the land surface concerning global change - Dr Alexander Graf
10:00 – 10:15	Greenhouse gases from the River Clyde: A source-to sea study - Alison Brown
10:15 – 10:30	Dissolution in Naturally Occurring Carbon Dioxide Reservoirs - Rory Leslie
10:30 – 10:45	Did COVID lockdown emissions changes increase atmospheric methane? - David Stevenson
10:45 – 11:15	coffee
11:15 – 11:30	Carbon and Iron Coupling in a Mid Latitude Fjord - Celeste Kellock
11:30 – 11:45	Detecting Forest Loss at the Scale of Individual Trees - Harry Carstairs
11:45 – 12:00	Impact of Ammonia Deposition on Nitrous Oxide Emissions from Forest Soils - Galina Toteva
12:00 – 12:30	Carbon in planets and asteroids - Dr Lydia Hallis
12:30 – 13:00	Discussion/poster
13:00 – 14:00	Lunch and Posters

<b>Title: Integrated Water Cycle Management + Health and Wellbeing</b>	
<b>Day: Thursday 5<sup>th</sup> May</b>	
<b>Start – End: 14:00 – 16:00</b>	
<b>Time</b>	<b>Event</b>
14:00	Invited Talk: Reaching net zero through partnership working: Perspectives from the Hydro Nation Chair Research & Innovation Fellows Hydro Nation Chair Fellows <ul style="list-style-type: none"> <li>• Deryck Irving</li> <li>• Amy Pickard</li> </ul> Andrew Tyler (Hydro Nation Chair)
	Talk 1: Phosphate removal/recovery from water using functionalised biochars. Presenter - S. Pap.
	Talk 2: One Health and pharmaceutical pollution in Scotland. Presenter - Lydia Niemi.
	Talk 3: Reflections on collaboration for sustainable groundwater quality monitoring in Malawi. Presenters - Fortune Gomo and Alistair Geddes
	Talk 4: Enhancing Climate Justice for Children. Presenter - Irena Connon
	Talk 5: Does re-meandering have an impact on flood risk reduction? The Eddleston Water restoration project, Scotland. Presenter - Isabelle Costaz.

<b>Title: Prizes</b>	
<b>Day: Thursday 5<sup>th</sup> May</b>	
<b>Start – End: 16:00 – 16:30</b>	
<b>Time</b>	<b>Event</b>
16:00 – 16:30	Refreshments and Prizes