

SAGES 2020 ASM Online – SESSION DETAILS

SOURCE TO SEA FORA

Scotland's sea lochs (or fjords) store significant amounts of carbon – rivalling Scotland's peatlands - and the majority of that carbon stems from terrestrial sources. The Source to Sea forum is interested in all aspects of this carbon transfer from land to the sea and subsequent sequestration in the ocean.

While the coastal ocean in this scenario acts as a carbon sink, it is not clear how it will respond to (i) the effects of global climate change such as increasing temperatures, changes in precipitation patterns and amounts, ocean acidification or sea level rise) and (ii) land/ocean use changes (change in land use, increasing aquaculture in sea lochs).

The Scottish landscape with its extensive peatlands, closely-coupled terrestrial and coastal systems, and diverse land uses and physical environments within a small area lends itself as a model system for such research in a global context.

Topics that will be explored in this one-hour session will include but are not limited to

- Carbon exported to the coastal ocean in response to different land uses
- Mechanisms of carbon sequestration in the coastal ocean
- Response to the effects of climate change, e.g. rise in temperature, changes in rainfall patterns or ocean acidification

We welcome abstracts for presentations that address any aspect of these themes in the Scottish and/or international context.

Please submit your abstracts using the SAGES online submission system. When submitting your abstract, please state which of the three themes your presentation will address.

Submit here: <https://www.sages.ac.uk/sages-asm-2020-online/>

Further details on the ASM and on the registration and submission processes are available at: <https://www.eventbrite.co.uk/e/sages-online-annual-science-meeting-2020-tickets-111122899584>