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Department of Marine Sciences
Presents a Seminar by

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Methane Emissions from the Coastal Ocean

Atmospheric methane is the second most important greenhouse gas after carbon dioxide contributing to global warming. Half of global methane emissions come from natural, impacted and human-made aquatic ecosystem and wetland sources. At the global scale, methane emissions from coastal ocean environments such as estuaries and coastal wetlands are highly variable but lower compared to inland waters and significantly higher compared to the open ocean. The large range and uncertainty of coastal methane emissions are related to high spatial and temporal variability of methane in the coastal ocean. In this seminar, I discuss the various factors and different transport pathways that drive methane concentrations and fluxes in coastal ocean ecosystems with a special focus on 'blue carbon' ecosystems i.e. mangrove forests, salt marshes and seagrasses.

Host: Penny Vlahos

Time & Date: 11:00 am, Friday, October 22, 2021

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