

**Presenter:** Shana Udvardy [10:45 to 11:15]

**Presentation Title:** **Rising Seas: An Overview and Implications of Global and National Mean Sea-Level Rise Scenarios**

**Abstract:** Recent reports by the U.N. International Panel on Climate Change (IPCC) and by the U.S. Global Change Research Program's (USGCRP) Fourth National Climate Assessment indicate that the rate of sea-level rise (SLR) is accelerating. SLR rose more rapidly in the 20th century than the past 27 centuries. The rate of SLR in the 21st century is very likely to exceed the rate observed during the 1971–2010 period due to increases in ocean warming and melting of glaciers and ice sheets. While a certain degree of climate change due to past and present global greenhouse gas (GHG) emissions is unavoidable, the rapid reduction of global emissions and an increase in adaption measures is urgently needed to spare coastal communities from going underwater and the economy from suffering significant damages.

Shana Udvardy

Shana Udvardy is the climate resilience analyst with the Climate & Energy program at the Union of Concerned Scientists. She conducts research and policy analysis to help inform and build support to increase resilience to climate change impacts.

Shana is a Certified Floodplain Manager (CFM) and holds a M.S. in Conservation Ecology and Sustainable Development from the University of Georgia's Odum School of Ecology and a B.A. from Syracuse University's Maxwell School.