

OSKAR VON MILLER FORUM

Press release

The Climate Crisis – Causes, Consequences, Potential Solutions

A lecture by Stefan Rahmstorf, Potsdam Institute for Climate Impact Research, on 17 January 2019 at 6:30 p.m. at the Oskar von Miller Forum

Forest fires, floods, landslides, drought – 2018 has cast an unprecedented spotlight on climate change. This doesn't come as a surprise to climate researchers as they have been observing the increasing rate of extreme weather events for decades.

New global temperature records in 2014, 2015 and 2016, a weakening Gulf Stream system, rising sea levels and an unending series of weather extremes – what do the latest data on global warming tell us? Does global warming contribute to stronger tropical storms? Have tilting points of the climate system already been exceeded? Is there a connection between climate change and causes of migration? And what does the Paris Climate Agreement imply? Is it still possible to halt global warming well under the 2-degree mark, and if so, how rapidly will global emissions have to be reduced to zero?

Climate researcher Stefan Rahmstorf from the Potsdam Institute for Climate Impact Research will discuss the reasons for the climate crisis and outline potential solutions.

About

Stefan Rahmstorf is Professor of Physics of the Oceans at the University of Potsdam and heads the Department of Earth System Analysis at the Potsdam Institute for Climate Impact Research. He was a member of the German Federal Government's Advisory Council on Global Environmental Change from 2004 to 2013, and has been a member of the *National Geographic* Advisory Council in Germany since 2012. In 2017, he was awarded the Climate Communication Prize of the American Geophysical Union.

Stefan Rahmstorf is the author of more than 100 specialist publications, 30 of which appeared in the leading journals of *Nature*, *Science* and *PNAS*.

Books: *Der Klimawandel* (2006, co-authored with Hans-Joachim Schellnhuber), *Wie bedroht sind die Ozeane* (2007, co-authored with Katherine Richardson), *The Climate Crisis* (2010, with David Archer) and *Wolken, Wind und Wetter* (2011).