



Online Ethics Center
FOR ENGINEERING AND SCIENCE

Climate and Infrastructure I: Why Does It Matter?

CCEP Video 1

Year

2014

Description

The first of two brief videos based on interviews with leaders in climate adaptation, city management, engineering systems, public engagement, and other key fields, who gathered at the national meeting on “Climate Change and America’s Infrastructure: Engineering, Social, and Policy Challenges,” January 28-30, 2013.

Abstract

The US National Academy of Engineering (NAE) has collaborated with four partners -- Arizona State University, Museum of Science-Boston, University of Virginia, and the Colorado School of Mines -- to develop a Phase I Climate Change Education Partnership (CCEP) on the impacts of climate change for engineered systems. In its work from 2010 to 2014 the Partnership focused on efforts to catalyze and transform education so that it effectively prepares current and future engineers, policymakers, and the public to meet these challenges. At the capstone meeting and workshop in January 2013, national leaders in climate adaptation, city management, engineering systems, public engagement, and other key fields gathered to work through the implications of climate change for US infrastructure in the context of education and public policy.

The workshop was recorded, and two videos released by the NAE Center for Engineering Ethics and Society summarize the results. The first highlights the importance of changes in climate with respect to engineered systems, and the second describes the many different types of expertise that will be needed to adequately address the challenges to these systems. These videos are intended to serve as a starting point for discussion and enable educators and others to inform engineers and the public of the numerous challenges posed by climate change.

This work was supported by Grant No. 1043289 between the National Academy of Engineering and the National Science Foundation. Any opinions, findings, conclusions, or recommendations expressed in these videos are those of the speaker(s) and do not necessarily reflect the views of the organizations or agencies that provided support for the project.

Body

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Infrastructure Climate Change I: Why does it matter?

Infrastructure Climate Change II: Who should address it?

Resource Type

Multimedia

Topics

Climate Change

Discipline(s)

Engineering