

GIS

Pat Cummins

NGAC Meeting, April 1-2, 2014

Building Resilient Communities

Transforming How We Understand and Manage Our Future



App Challenge

Making Communities More Resilient

esri.com/climate-app

Esri Climate Resilience App Challenge 2014

Are you a developer with an innovative idea for an app that could help communities become more resilient to climate change? Could that idea use Esri technology? If so, enter our Esri Climate Resilience App Challenge 2014.

[Enter the Challenge](#)

Background

In June 2013, President Obama announced a comprehensive Climate Action Plan. This blueprint for action includes the Clean Data Initiative, an effort to encourage tech innovators to use data about climate change risks and impacts in compelling ways to help citizens, businesses, and communities make smart choices in the face of climate change.

Esri wants to help our President reach this goal. We encourage you to develop game-changing apps that promote climate resilience. We continue to try to make a difference in the world and we know you, as we want, do too. That's why we're challenging you to get creative for this important initiative using the growing pool of openly available data and Esri apps, maps, services, and APIs.

The Challenge

How are changes in weather patterns going to impact the United States? And how do we best prepare for these changes? What makes cities more resilient to climate change? Climate impacts reach beyond crops and wildlife, what do city planners need to do to rethink infrastructure design? What impacts will climate have on public health and what do health care providers need to do to adapt? Can you think of ways that we can solve these problems using a geospatial app?

We'd like you to create an app using the Esri ArcGIS Platform that fits the theme of using technology to create map tools that help communities, see, understand, and prepare for climate risks. Apps may help communities prepare for, react to, and recover from severe events caused by climate or enabling every day changes to reduce our carbon footprint. They could address challenges in public safety, transportation, economic development, healthcare and more. Apps will be judged on their creative and effective use of data, Esri apps, maps, services, and APIs.

You are encouraged to explore all aspects of the burden of climate resilience - from tools to manage drought, wildfires, and hurricanes - to safer communities, intelligent transportation, sustainable infrastructure, smart cities, and more energy efficient buildings.

Shareable Apps

Creative Ideas

Innovative Methods

Open Data

Many Participants

Governments

Startups / Developers

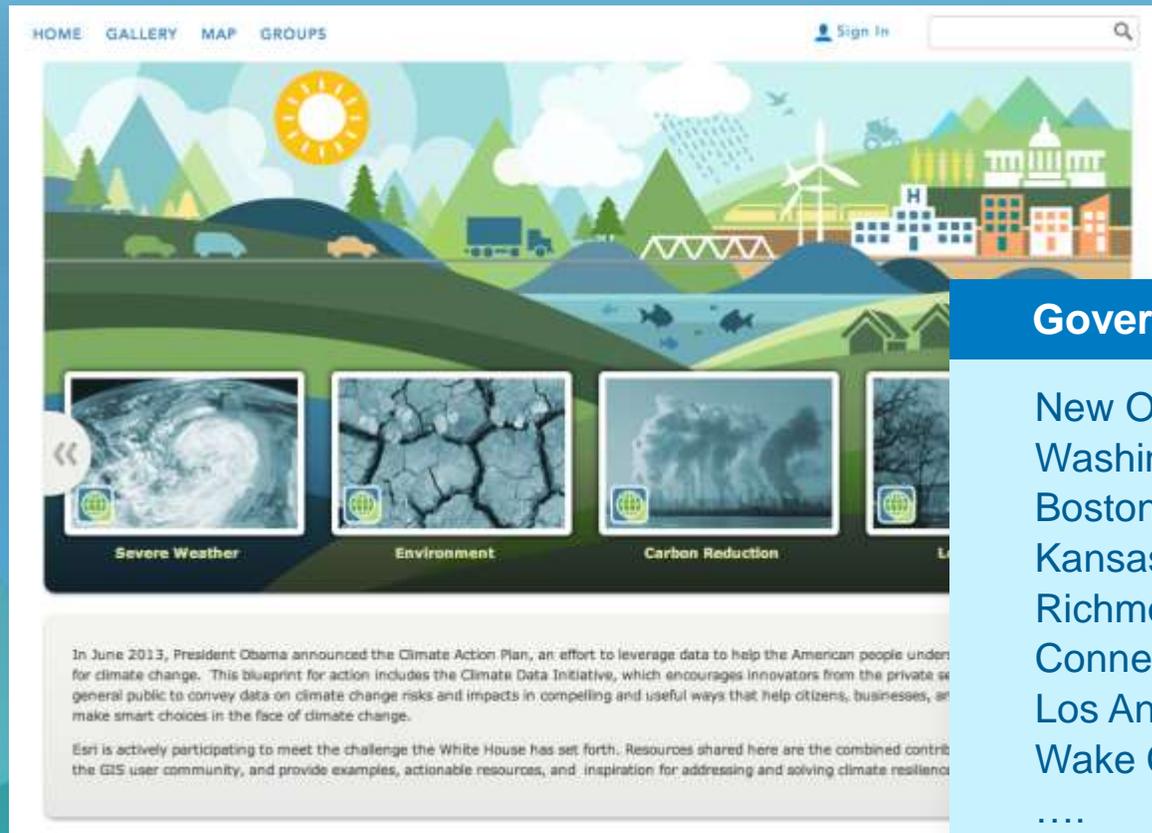
Businesses

Academics & NGO's

Building a Resilient Platform

Partnerships for Resilience

Resource Portal



Governments

New Orleans
Washington, D.C.
Boston
Kansas City
Richmond
Connecticut
Los Angeles
Wake County

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Professional Organizations



Creating and Sharing Knowledge

www.esri.com/industries/government/resilient-communities

National Governors Association Public Private Partnership Award



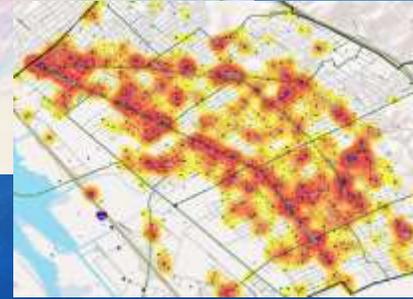
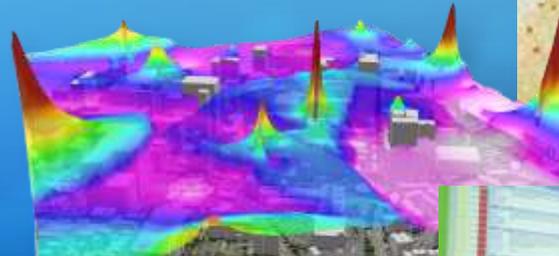
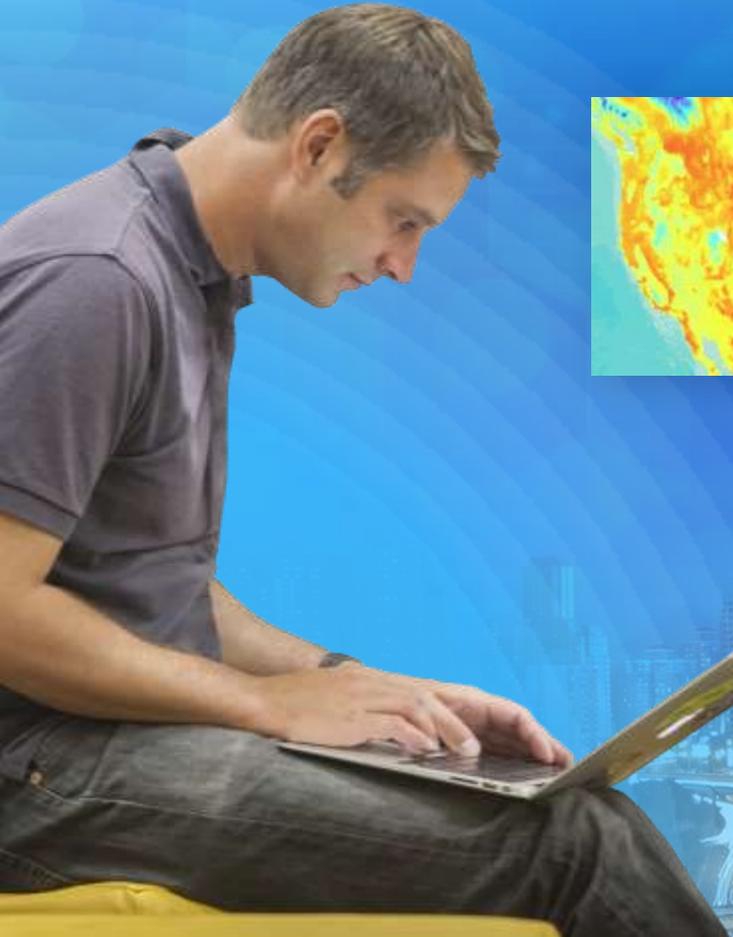
The screenshot shows a video player interface. The main video area displays a woman with short brown hair, wearing a dark blazer over a purple top, speaking at a podium. The background is a blue wall with the 'NATIONAL GOVERNORS ASSOCIATION' logo and a large white star. A 'LIVE' indicator in the top right corner shows the time as '9:24 am PT'. A yellow banner at the bottom of the video frame reads 'NATIONAL GOVERNORS ASSN. WINTER MEETING' and 'Washington, DC'. The C-SPAN logo and 'HD' are visible in the bottom right of the video frame. Below the video frame, the video player controls show a progress bar at 00:00 / 07:04, a play button, and other standard controls. Below the controls, the video title 'CSPAN Public-Private Partnership Award' is displayed. At the bottom of the player, it shows 'Recorded: Mar 4th, 2014', 'Runtime: 07:04', 'Views: 34', 'Published: Mar 4th, 2014', 'Night Mode (Off)', and 'HTML5 Video (Off)'.

ESRI was nominated by New Hampshire Gov. Maggie Hassan for their work with New Hampshire aimed at improving Science, Technology, Engineering and Math (STEM) education. The partnership allowed students in every public and private school in the state unprecedented access to Esri's state-of-the-art GIS tools for education and research.

Improving STEM education with GIS
in New Hampshire

GIS

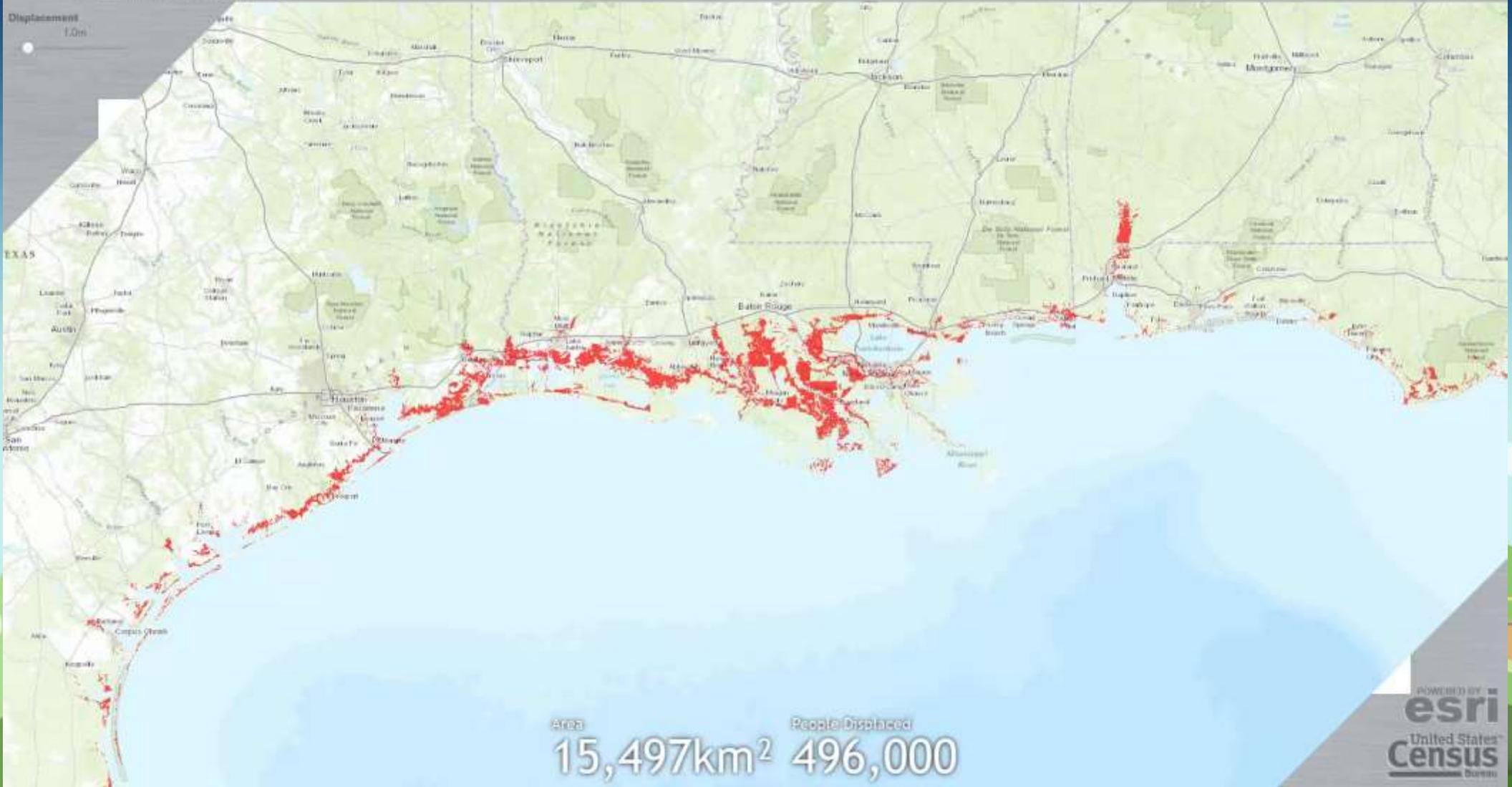
Is Opening Our World



census map

developed by the applications prototype lab

Displacement
1.0m



Area
15,497km²

People Displaced
496,000

POWERED BY
esri
United States
Census
Bureau

