Esri Climate Resilience App Challenge 2014

An "Apptitude" for Resilience



The White House Climate Action Plan – June 2013

Cut Carbon Pollution

Climate Action Plan

Lead International

Efforts

Prepare Communities for Impacts

White House Climate Action Plan The Climate Data Initiative -

Scientific Data

Technology – Mobile, Web, Desktop

Technical Know-How

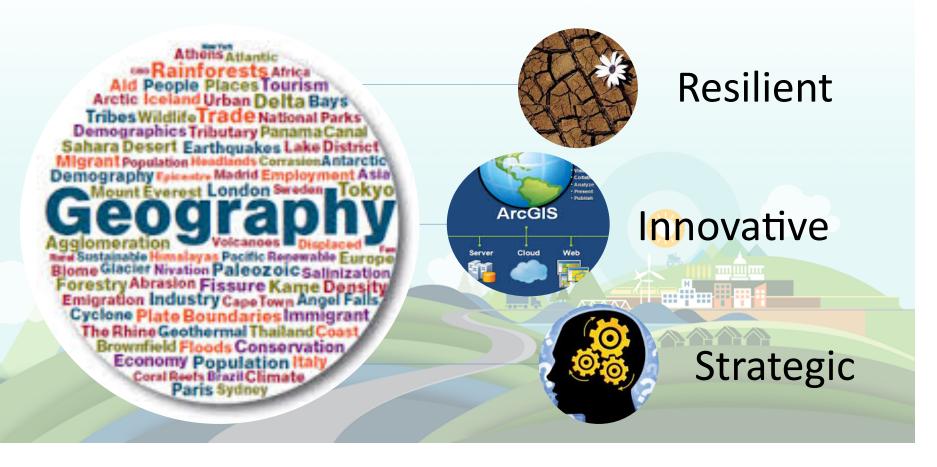
Climate Action Plan

Climate Data Initiative

Leverage Federal data sources to stimulate innovation and entrepreneurship

- Extensive
- Freely-available
- Climate-relevant

Esri Climate Resilience App Challenge 2014 - Motivation



Esri Contribution

Provide Geospatial Technology

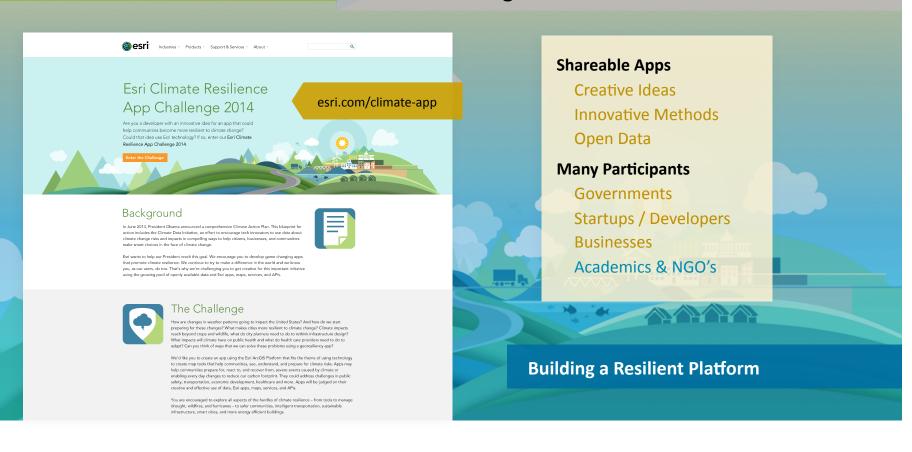
Host Geocollaboration Portal

Sponsor The App Challenge

Esri Climate Resilience App Challenge 2014

App Challenge

Making Communities More Resilient



esri.com/climate-app

App Challenge

Making Communities More Resilient

Participation – Over 35 App and Video Submissions

Narrowed down to 13 Top Submission for Final Judging

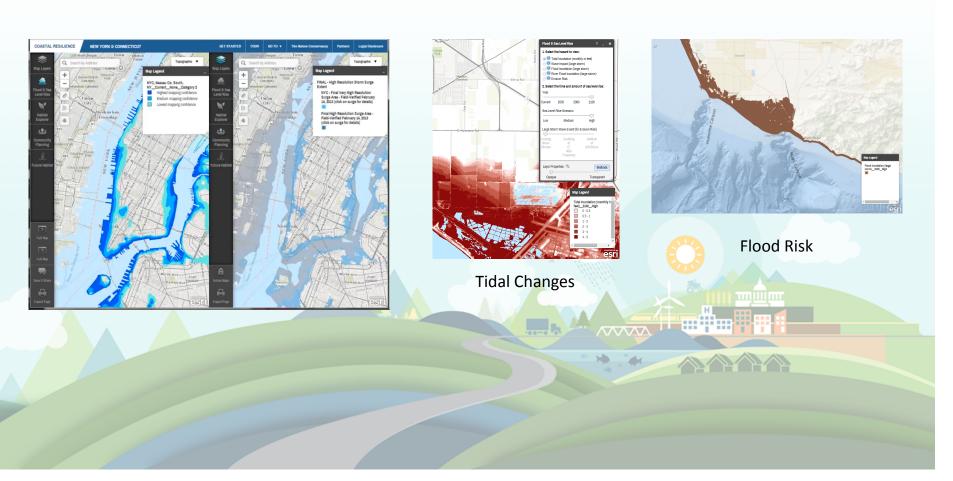
Broad Diversity in Topic and Scale

Building a Resilient Platform

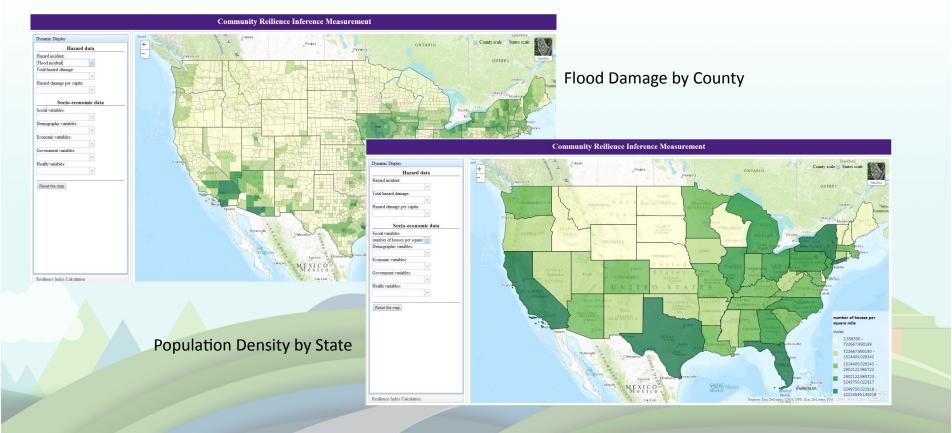


Esri Climate Resilience App Challenge 2014 T.I.T.A.N. Vertical Land Rise Map

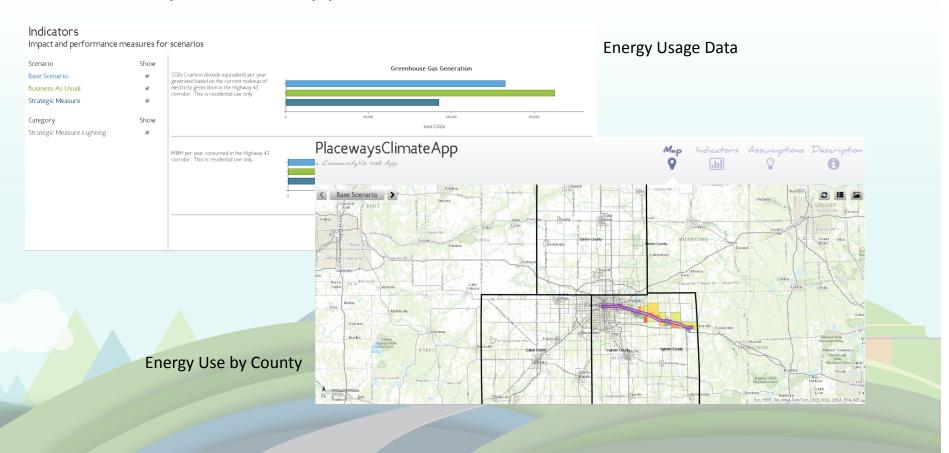
Coastal Resilience 2.0



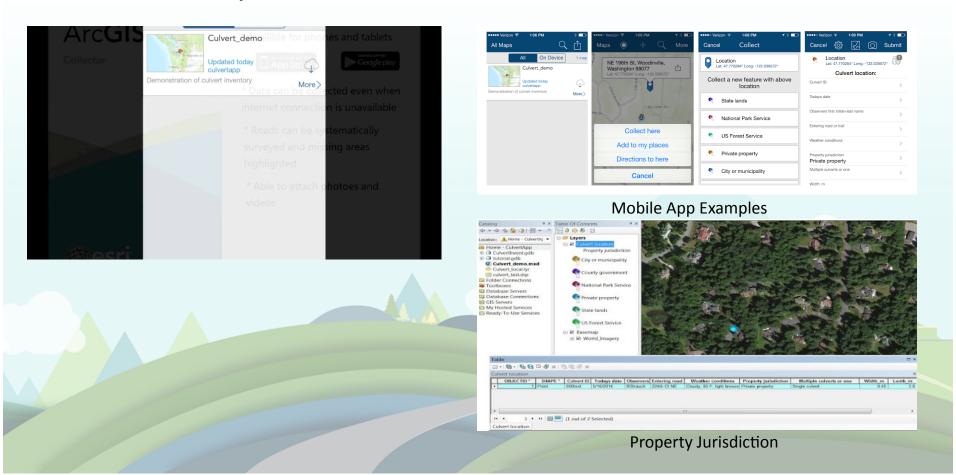
Community Resilience Inference Measurement



CommunityViz Web App



Culvert Inventory for Climate Resilience



Every Drop LA

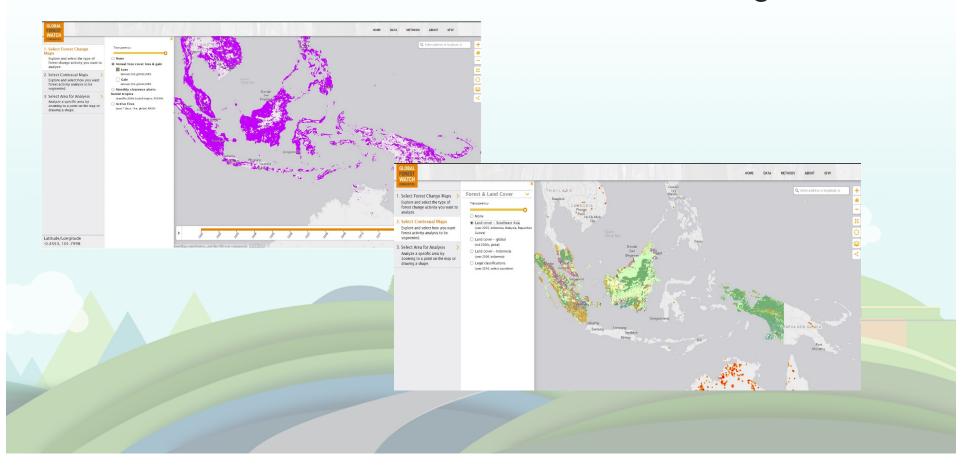


Flood Forecast

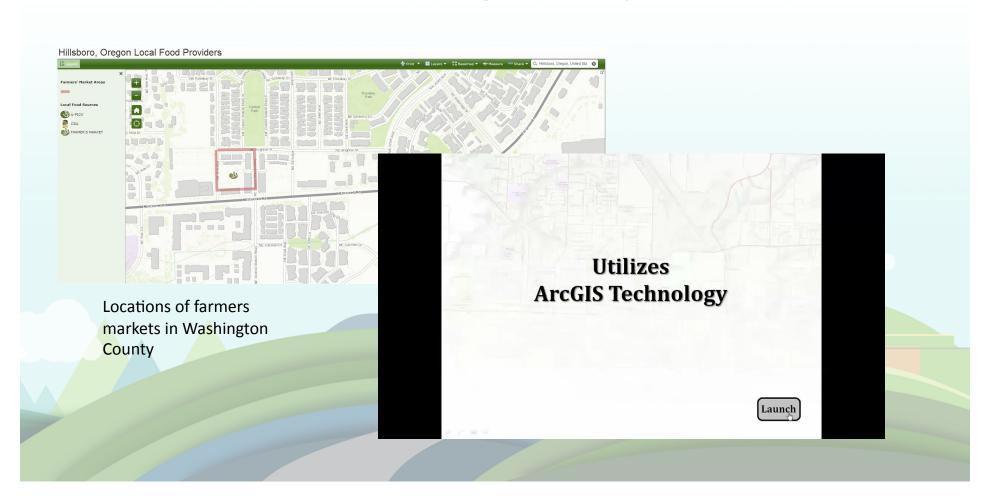


Potential Flood Risk Map

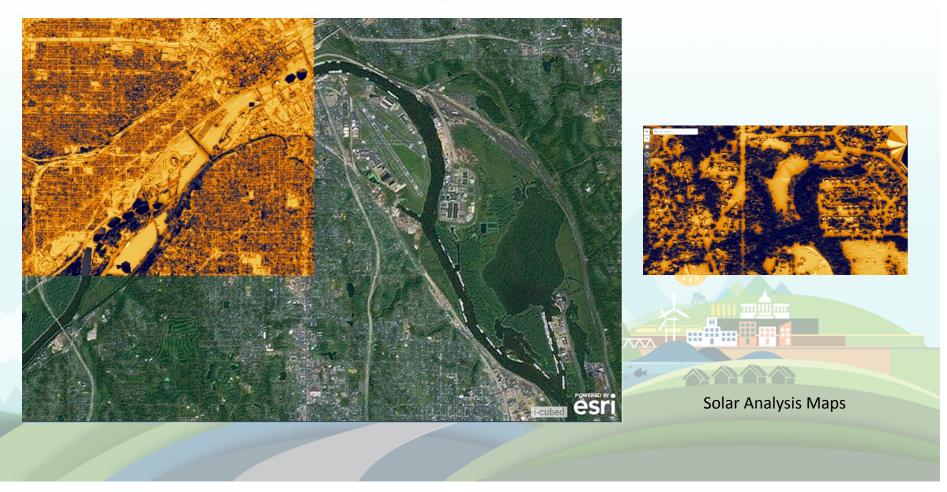
Global Forest Watch Commodities – Geospatial Tools to Help Reduce Greenhouse Gas Emissions from Land Use Change



Local Food Alternatives in Washington County



Minnesota Solar Suitability Analysis



Modeling Community Erosion from Climate Change



Estimated Average Annual Tons of Erosion per Acre

Save the Rain

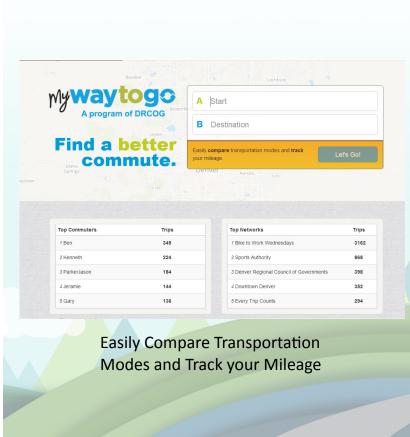


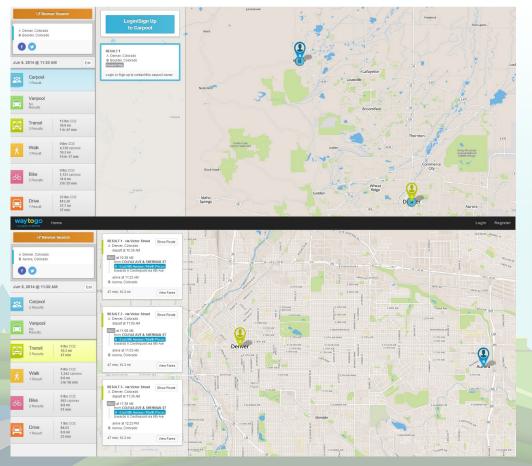
Esri World Headquarter Estimated Rain Usage Data



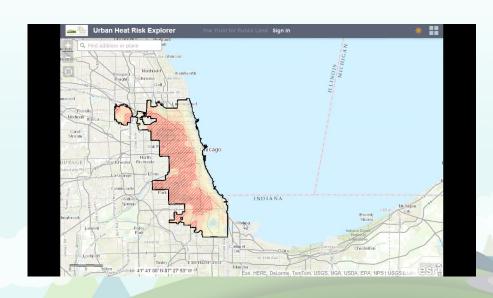


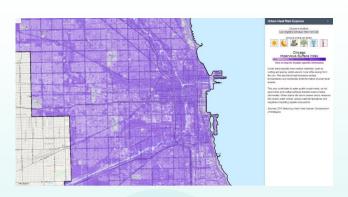
MyWayToGO



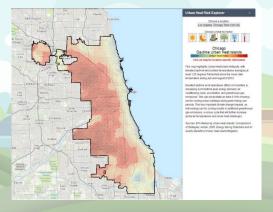


Urban Heat Risk Explorer





Chicago Impervious Surface Index



Chicago Daytime Urban Heat Islands

Third Place

Save the Rain





Second Place

Flood Forecast



First Place

Minnesota Solar Suitability Analysis





What made Top Submissions?

Clearly defined audience

Incentives for use – value proposition

Incentives to change behavior

Simple to use, not too complicated

Innovative use of data/technology – beyond configuration and display

Transferable, replicable

So Now What?...

Promote

• Highlight Apps Esri would encourage you to use

Resilience Portal

• Get Started

Spotlight

• Press and Conference Releases

Integration

• Inquiry into integration with Esri Products/Marketplace

Questions?