



FGDC
FEDERAL GEOGRAPHIC
DATA COMMITTEE

Creating Tools to Empower Climate-Smart Communities

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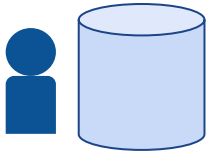
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Problem statements

1. Climate-driven impacts cause cascading problems in our built environments and networked, interdependent economy.
2. Poor, under-served, disadvantaged, & communities of color are the most vulnerable populations.
3. Resilience-building is local, so the need for services & funding is highly concurrent (>32K US communities).
4. To date, the pace & scale of climate impacts in the US are outpacing our response.

Primary target users in the 'resilience ecosystem'



Federal Science & Data Community

Provide research, data, modeling, & assessments of past & future climate



Cloud Host Service Providers

Offer big data hosting, computation, & public browse, formatting, access services



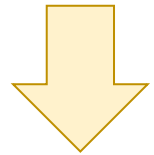
Designers of GIS & Data Analytics

Bring data & analysis tools from federal & local sources together in geospatial context



Last-mile Service Providers

Offer guidance and translation services to help communities & businesses plan & take action



Local Decision Makers

Responsible for local planning & action to protect people and property

Target users' needs

- Most of our target audiences perceive federal data to be hard to find, and hard to interpret / use.*
- Practitioners and local decision makers want climate change data & tools that are tailored for their purposes.*
 - They seek tools to help them produce locally customized maps, visuals, & text.
 - They seek experts' guidance on communicating about the science & data.

NOAA / FGDC TOP sprint challenge

1. Create tools to help local governments efficiently identify and select federal agencies' data that are relevant to their resilience planning purposes.
2. Create tools that enable communities to stand up their own locally customized mapping platform—integrating federal data with their own local data—for resilience planning purposes.
 - a. Must be quick, easy, and (hopefully) affordable

Possible roles for FGDC & NGAC in the sprint



Tech Teams

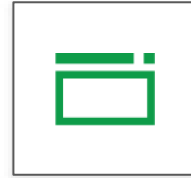
NGAC & FGDC members may nominate whole teams or individuals to join a team the developmental sprint.



User Advocates



Data Stewards



Product Advisors

NGAC may nominate individuals to serve on this team — non-Fed product experts who will consult with Tech Teams.



Judge Committee

Assuming prize \$ is awarded, NGAC & FGDC may nominate individuals to serve on this committee (no conflict of interest).