

# Aligning Earth Science Data with Community Resilience Needs

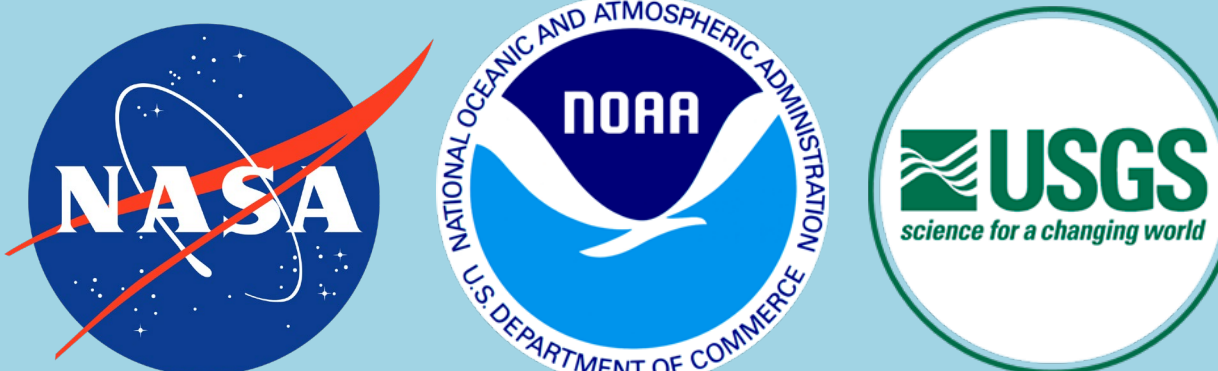
 **ESIP Community Resilience Cluster**  
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Historically, Earth Science data have been made by and for scientists, but society expects more access to and value from data and information. Earth Science can offer societal benefit by contributing to the resilience of communities, but there are complex challenges that must be understood and overcome.

Read our problem statement!

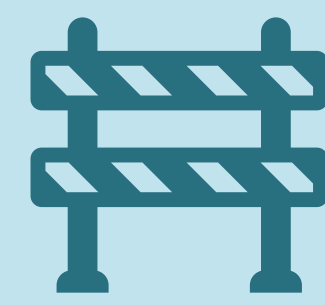


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## Our Mission

Enhance community resilience through **culturally meaningful** improvements to data accessibility and informatics tools.



## Challenges

- **Inequity in the scientific process:** Without equitable representation, needs may be insufficiently addressed.
- **Gaps in data ethics and governance:** Ethical lapses may occur when managing, using, and reusing data.
- **Mismatch of scale and focus:** The scale and focus of Earth Science data are often at odds with the needs of place-based communities.
- **Falling short of communities' needs for actionable information:** Earth Science data may not be in a useful form for decision-makers.



## Path Forward

- **Integrate communities and intermediaries** into the scientific data pathway.
- **Build capacity to bridge science and place-based community needs** by providing skills development for scientists and community members.
- **Reconcile openness with self-governance** by reducing barriers to information while protecting the interests of people and communities.
- **Provide greater access to data tools and support for resilience planning** through usage-based discovery.



## Connect with Us

Let's work together! [Learn more](#) about us and find us on the [ESIP Slack](#) at [#communityresilience](#).