On Demand, Custom, Topographic Maps

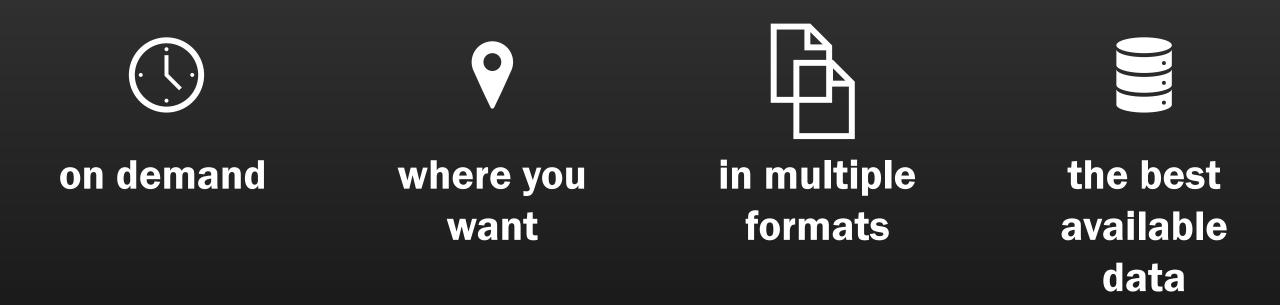
Ariel Doumbouya

Cartographic Products Lead

USGS National Geospatial Program



topoBuilder is...





Demo

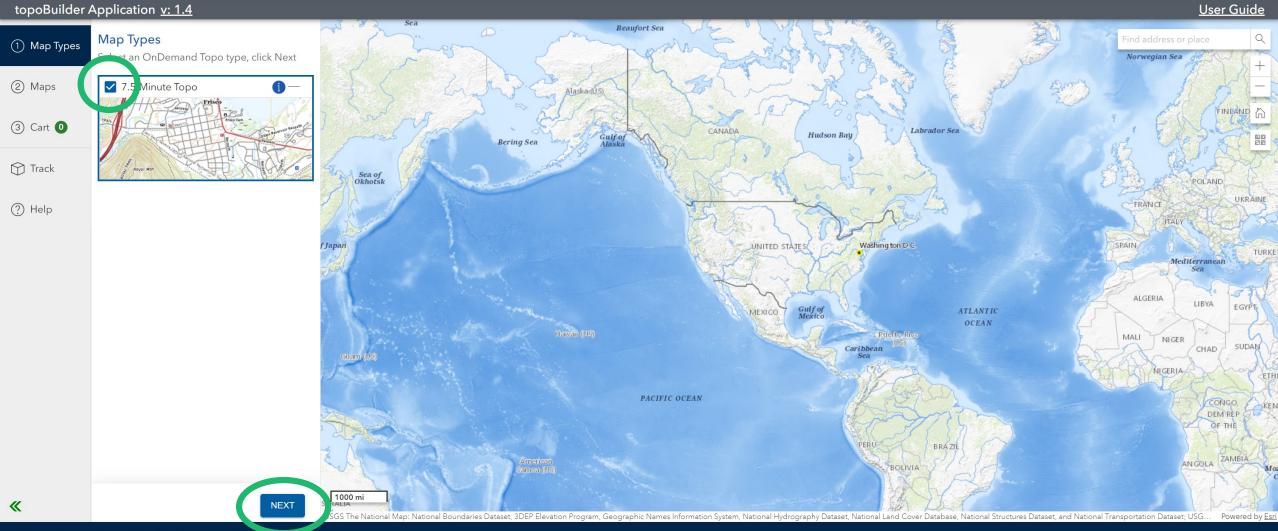


topobuilder.nationalmap.gov

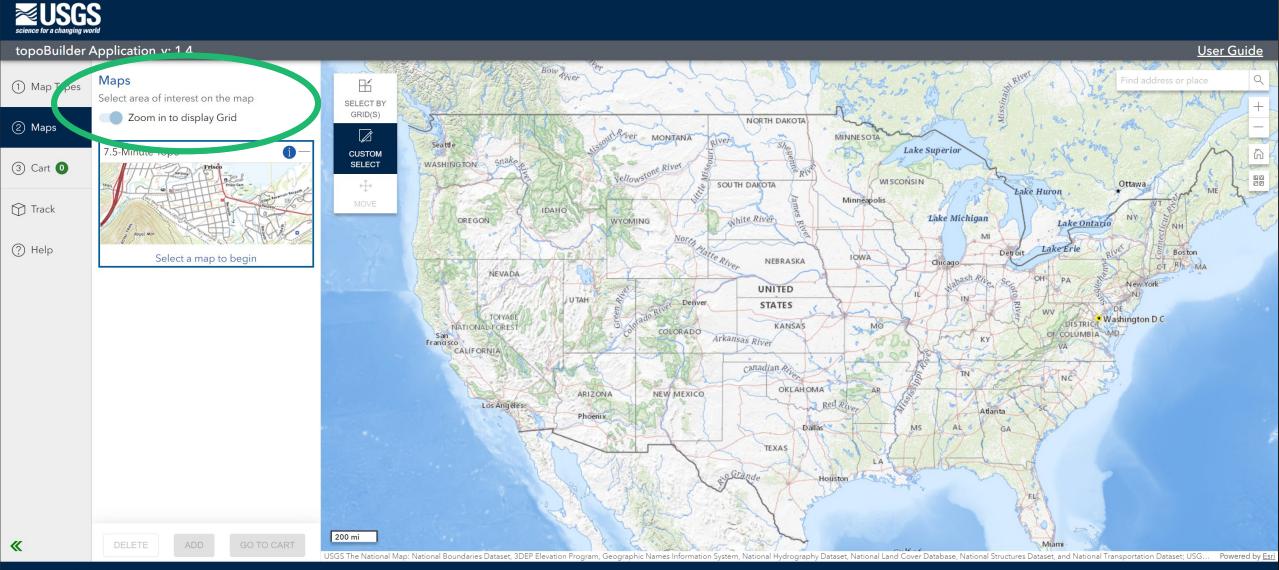


Open the app, select map type

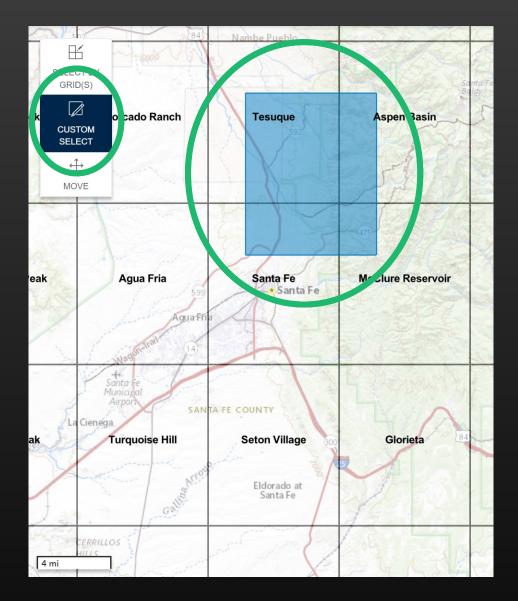


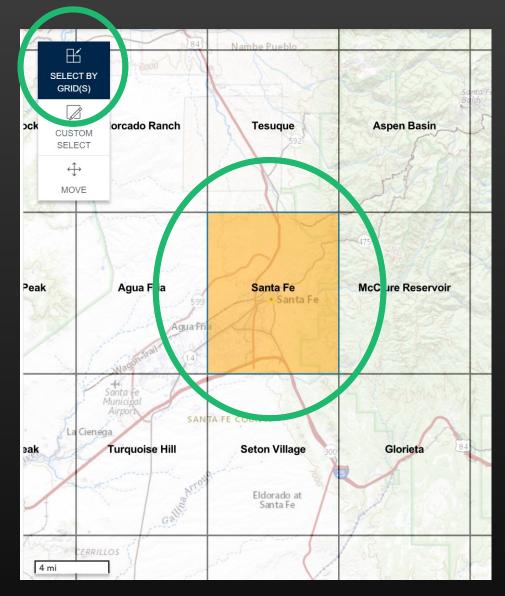


Zoom to your area of interest



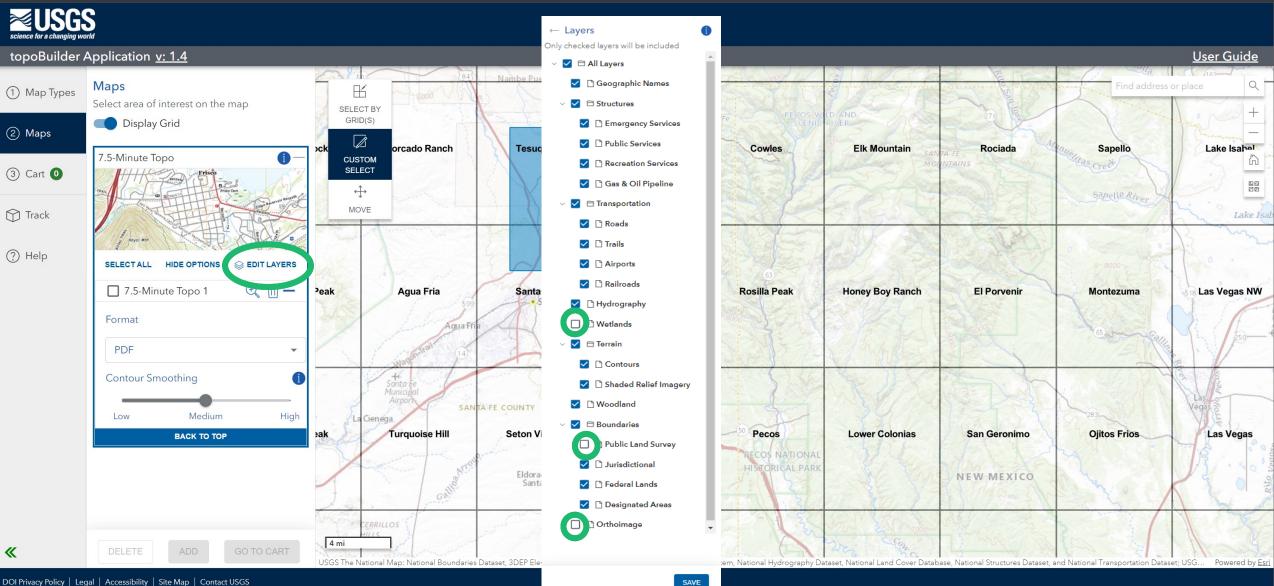
Choose your map extent





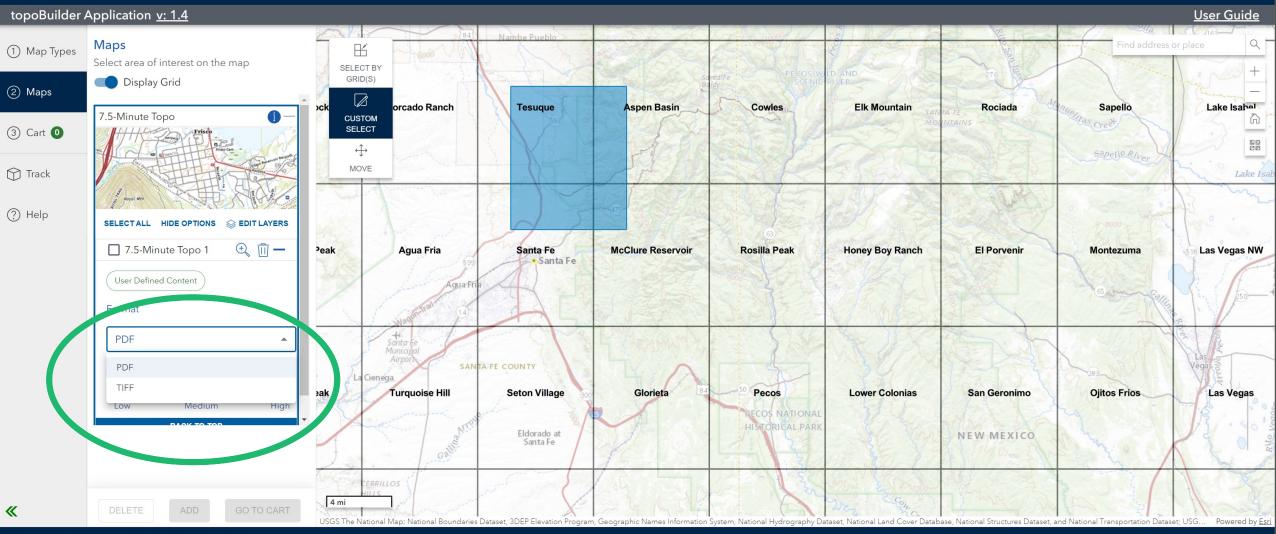


Choose Map Layers



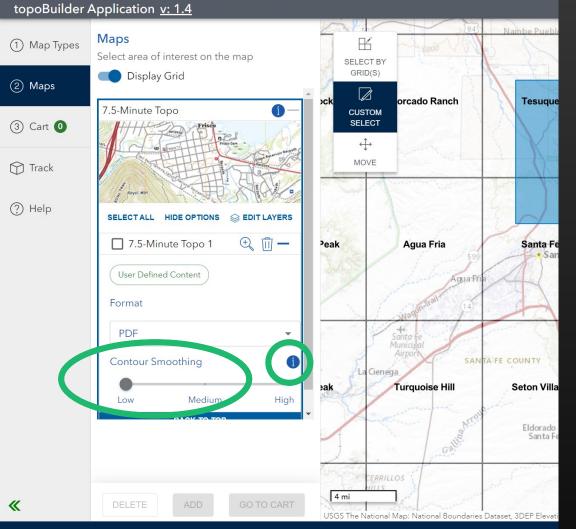
Choose your export options





Choose your contour smoothness

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Contour Smoothness Guide

Low Smoothing

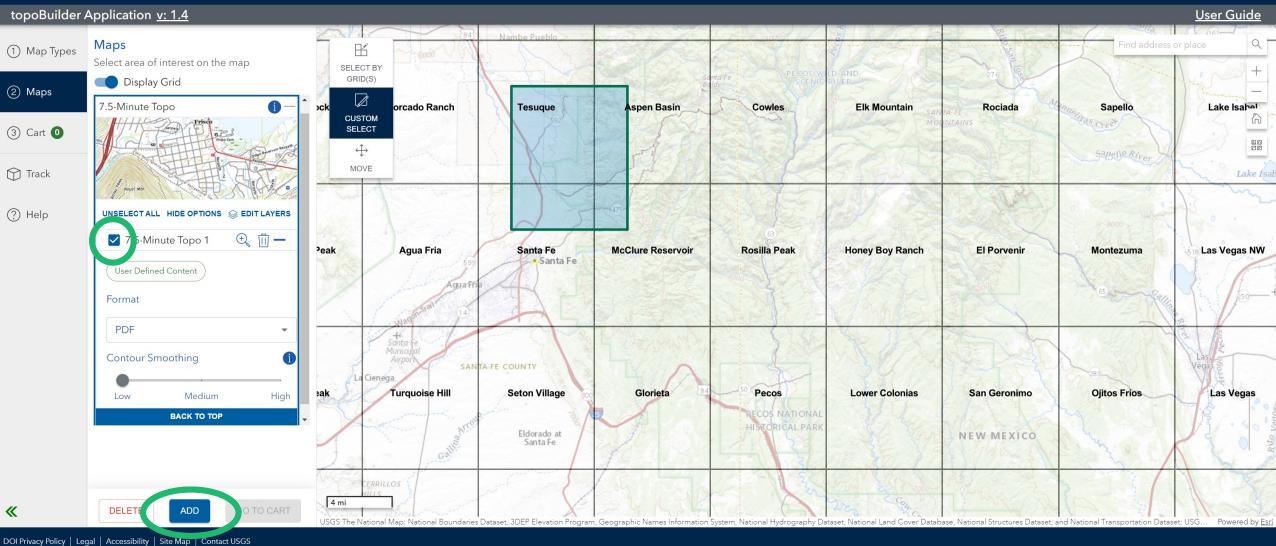
Contours will portray the landscape and topographic features at a high detail allowing the user to better identify geographic surface characteristics. These contours are best for scientific research such as Geology, Geomorphology, and Hazards.

Medium Smoothing

CLOSE

Add to cart

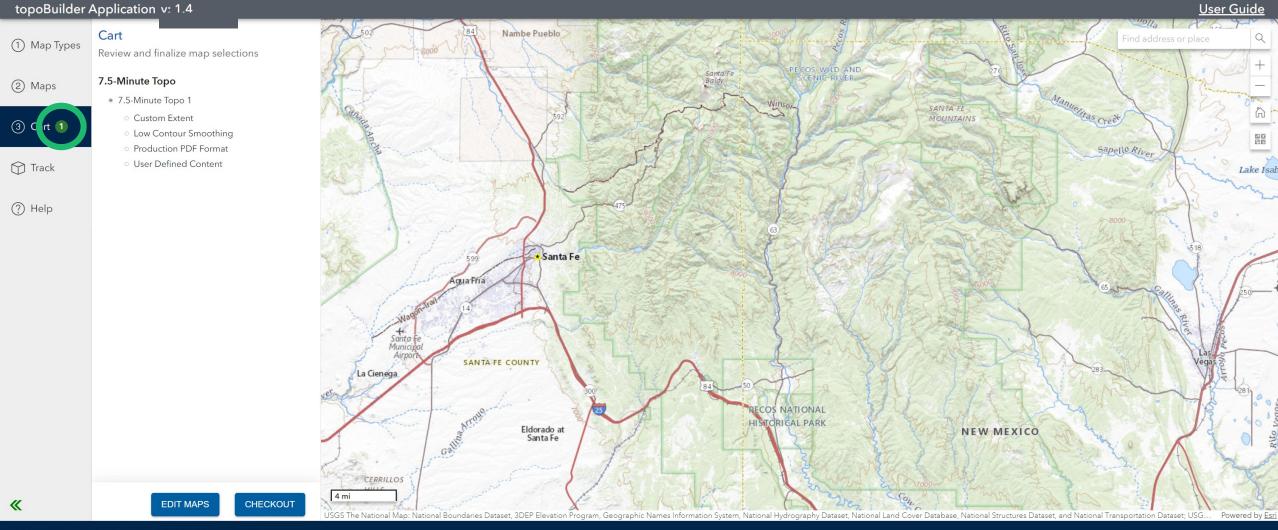




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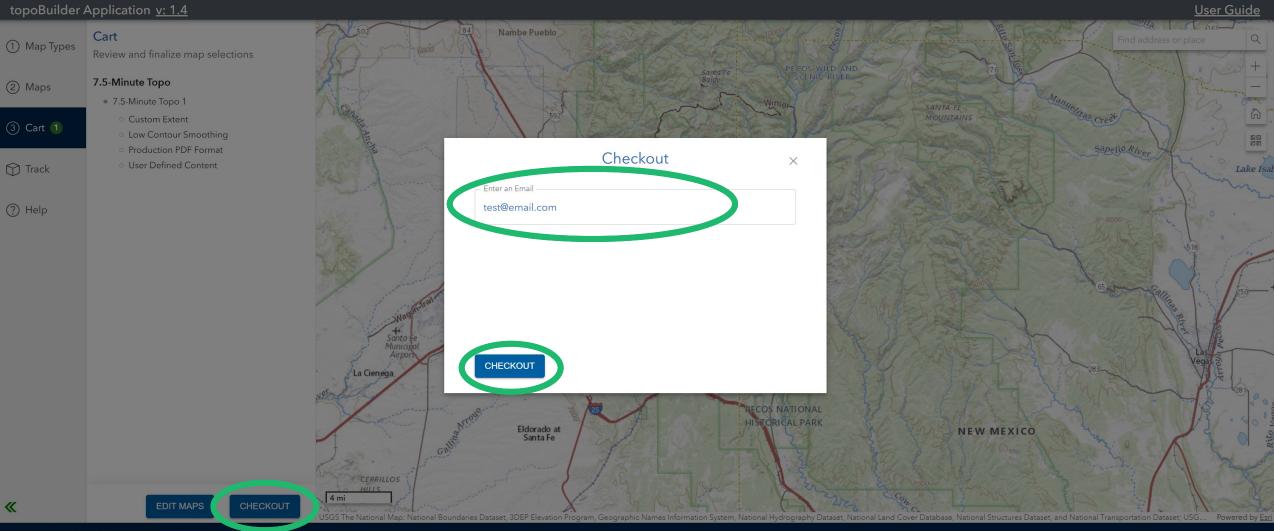
Review selections in cart

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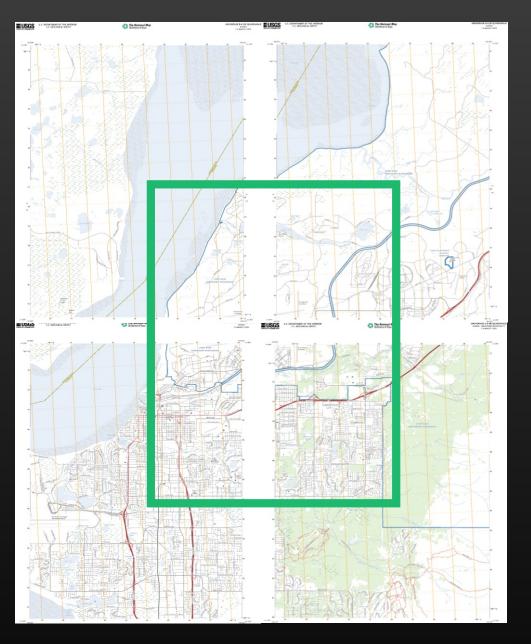
Checkout

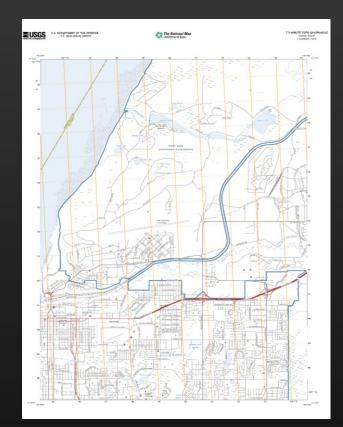




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Benefits







Challenges & Risks

- New paradigm for USGS
- Public Trust/Reputation
- Aggressive goals and timelines
- Unknown demand



Innovations





Setting the Stage for USGS

Rapid Data & Product Dissemination

Data enrichment to support broader topographic mapping use cases

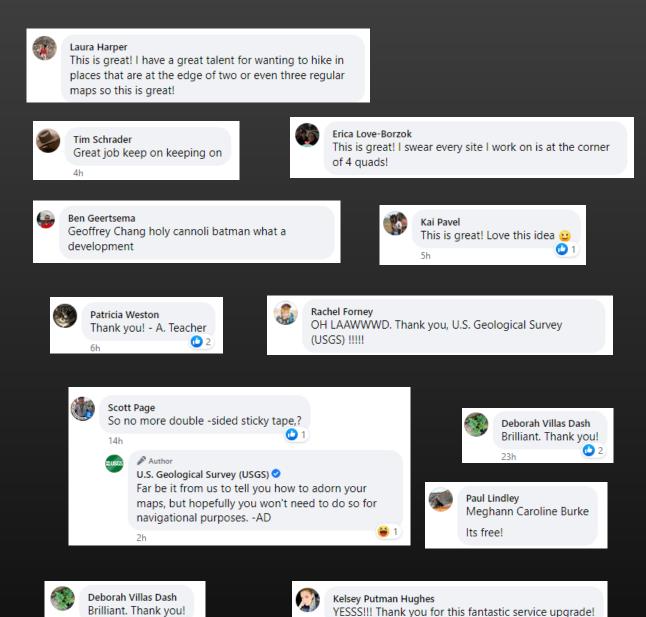
Capabilities to support user needs





Successes

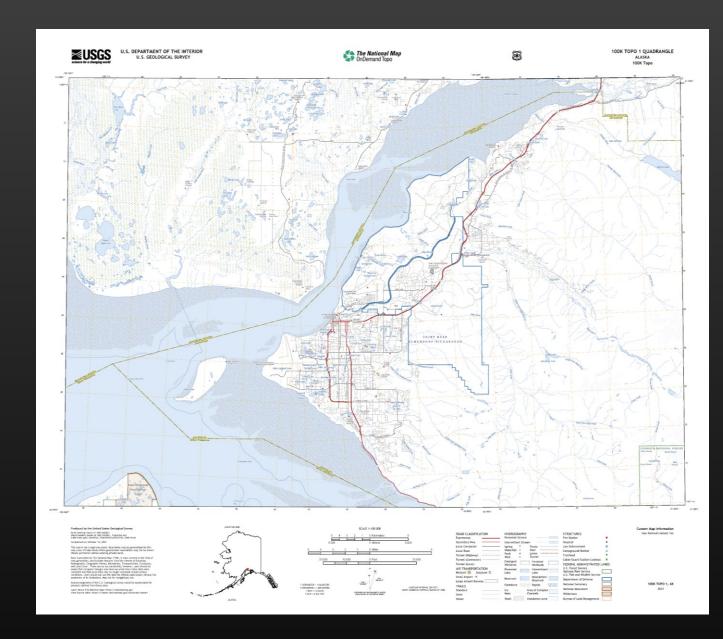
- Users want customized maps
- Users value in 'best-available' data
- Responsiveness to stakeholder feedback (internal and external) is critical
- New paradigm can boost reputation





What's Next?

- What does 'success' mean?
- Who are our users?
- Are we making the 'right' decisions for those users?
- How can we use what we have learned to better meet users needs?





Questions and discussion



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Ariel Doumbouya Cartographic Products Lead USGS National Geospatial Program <u>atdoumbouya@usgs.gov</u>

