

**COMMERCE DATA
SERVICE**

STAR YING / DATA SCIENTIST





The US Department of Commerce creates the conditions for economic growth and opportunity



Commerce agencies are among the biggest contributors to the open data movement.



UNITED STATES
PATENT AND TRADEMARK OFFICE



INTERNATIONAL
TRADE
ADMINISTRATION

NIST





NOAA VIIRS
Satellite
Imagery



Census Foreign Trade
+ ITA Market Reports



NOAA
Fishing



American
Housing Survey
+ American
Community
Survey



Severe
Weather Data
Inventory



NOAA
NEXRAD



IP +
Patents

3 25



Commodity

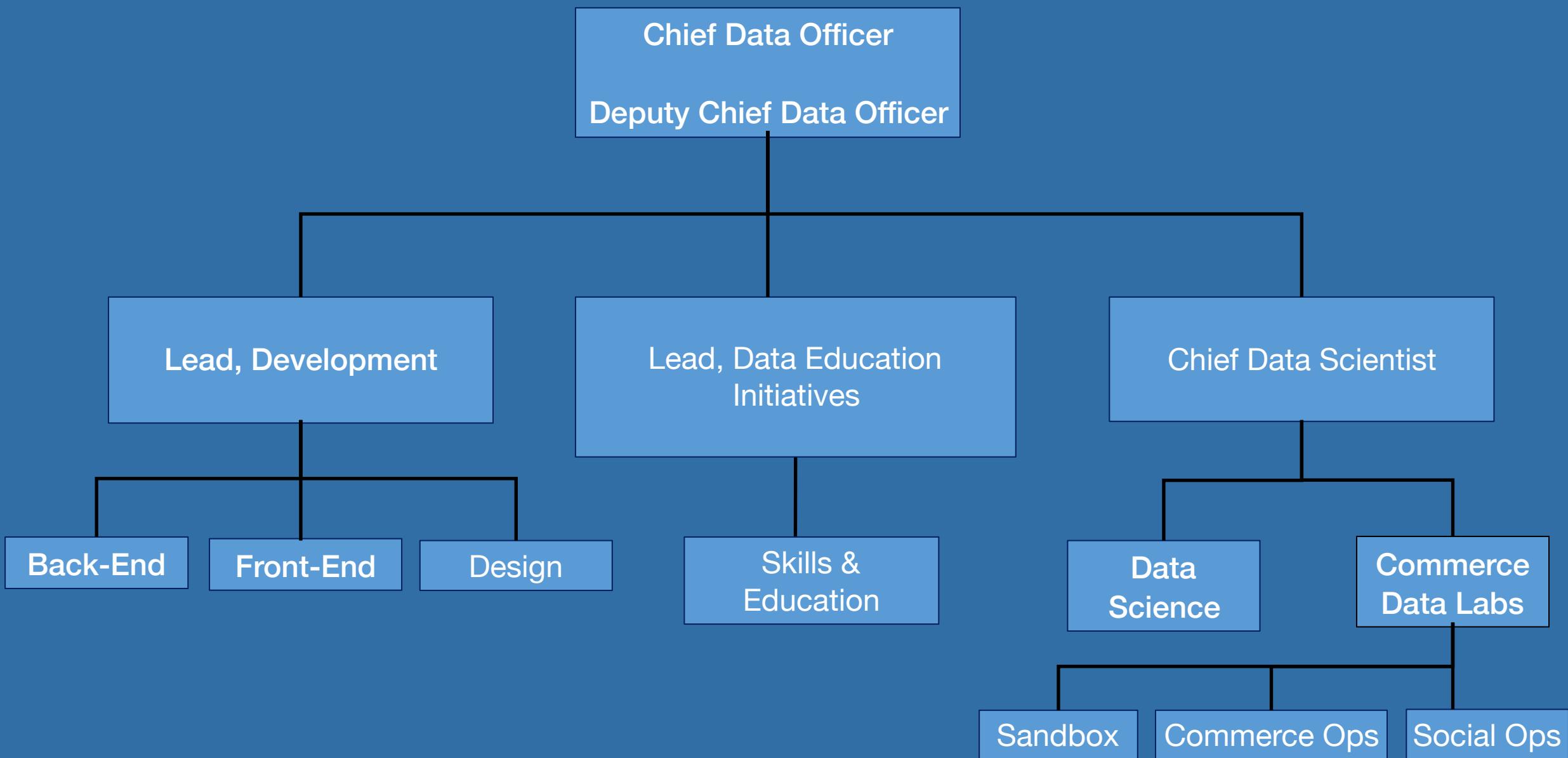


Just from one instrument on one of our satellites, we collect, process and disseminate >2.5 TB per day.



COMMERCE DATA SERVICE

- Development
- Education
- Data Science





purpose

promise

performance

**communication, collaboration, agile and lean,
user-centered design, outcomes-driven, and open**

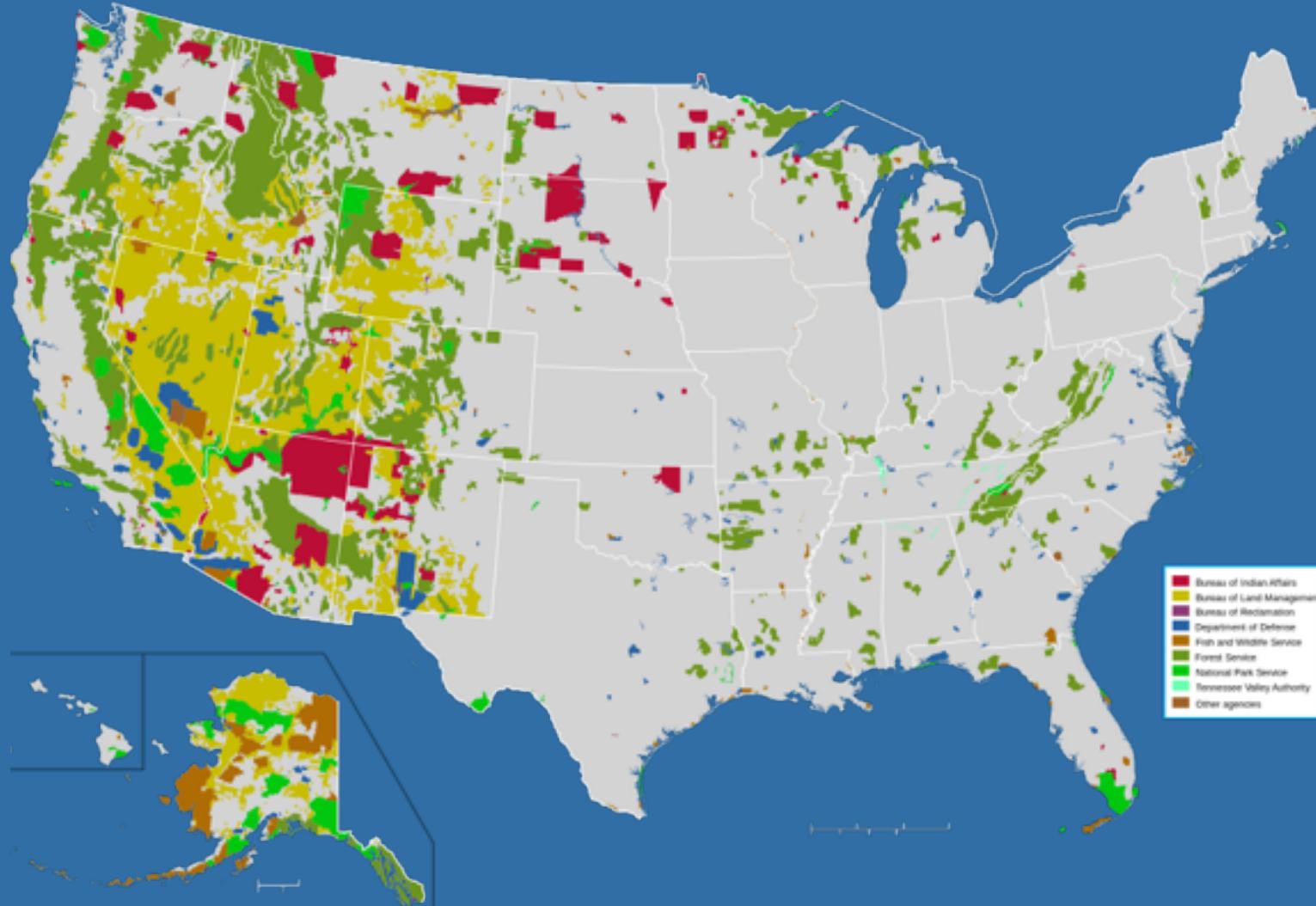
we Deliver

we Consult

we Train

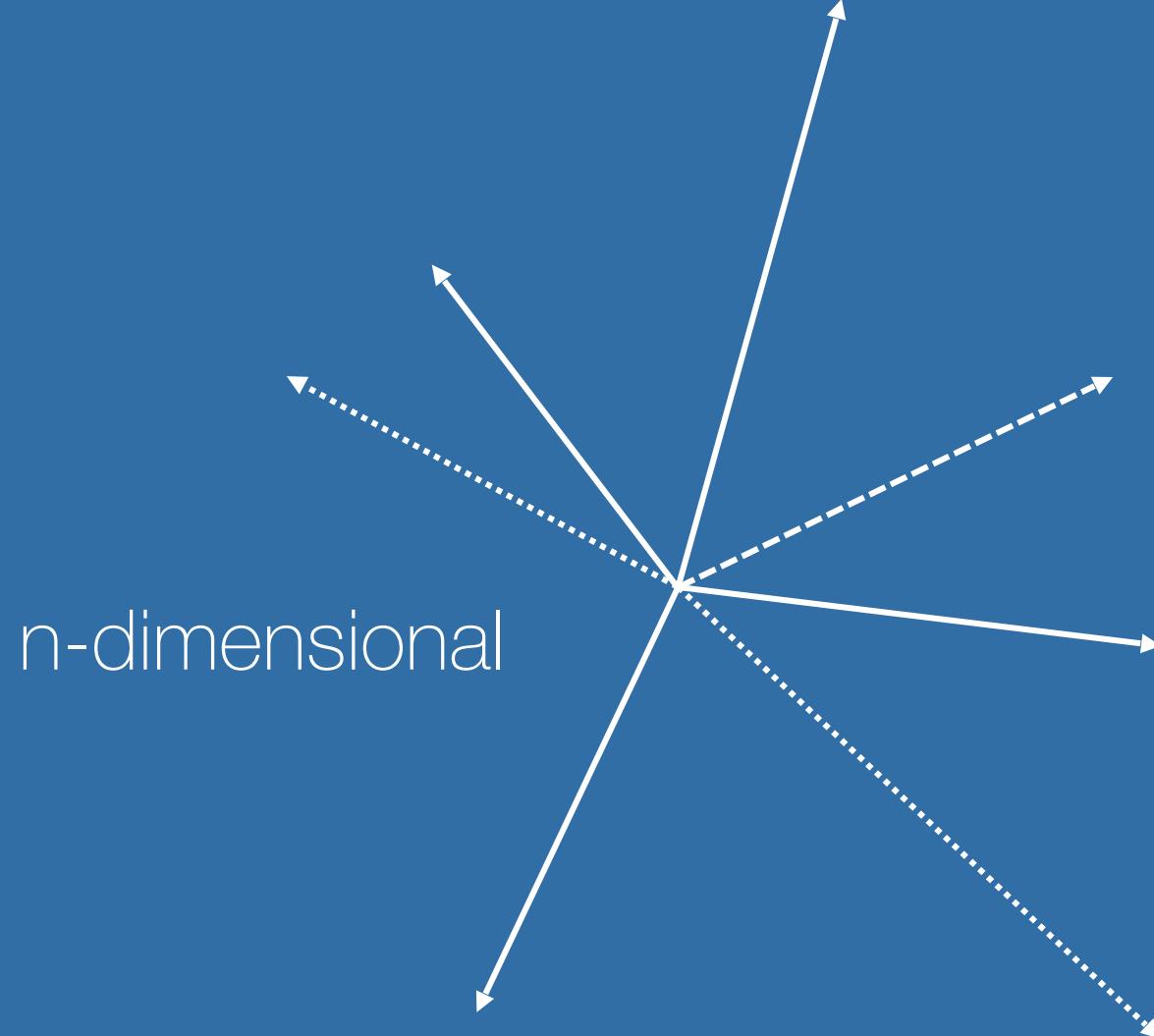
we Partner

we Procure



Scoping for awesomeness

Government takes on the hardest,
inelastic problems



Private sector
data science



Government
data science

Access to the **field**, actionable **resources**, **reason** for existence,
ethical intervention, **defensible** yet **accessible**, and **sustainable**

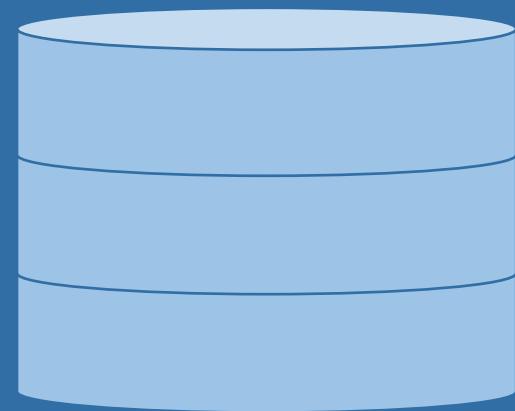
| | A Reason to Exist | Access to Valid Resources | Methodologically defensible yet intellectually accessible | Ethical Intervention Points | Path to sustainability |
|----------|-------------------|---------------------------|-----------------------------------------------------------|-----------------------------|------------------------|
| Ideas | X | X | | | |
| Research | X | X | X | | |
| Products | X | X | X | X | X |
| Services | X | X | X | X | X |



Maximize the positive impacts of Commerce data on society.

Fuel **economic growth**, create a **data-driven government**, and deliver new **data services**

Trade data, income data, patent data modernization,
data usability, interoperability architecture



code

visuals

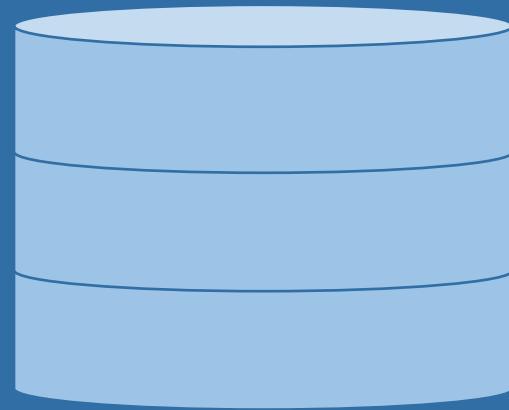
context

algorithms

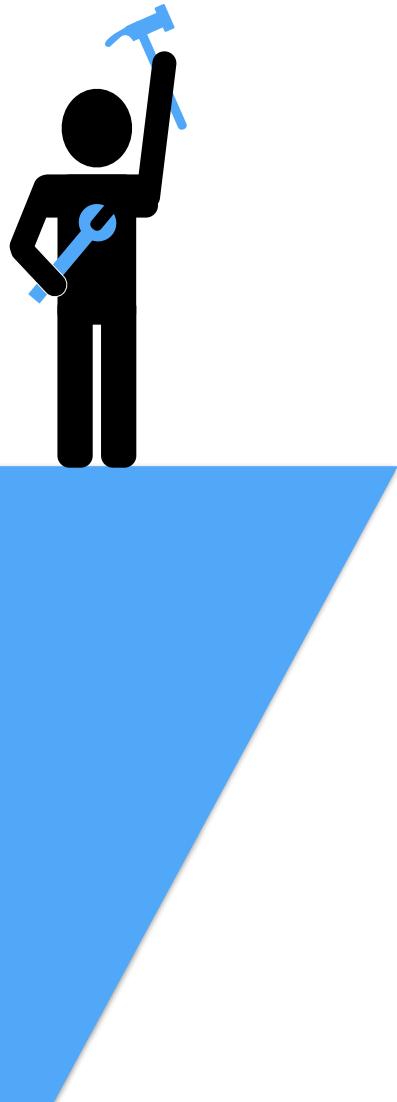
research questions

narrative

“show the thing”

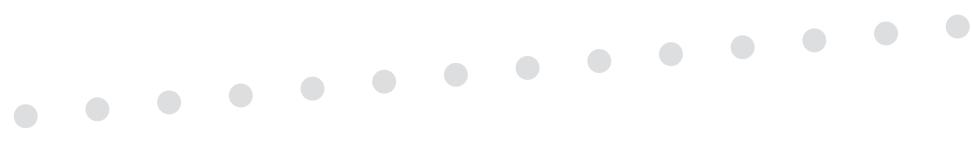


data is often fit for a singular purpose and wide spread usability is not typically considered



knowledge gap

knowledge gap



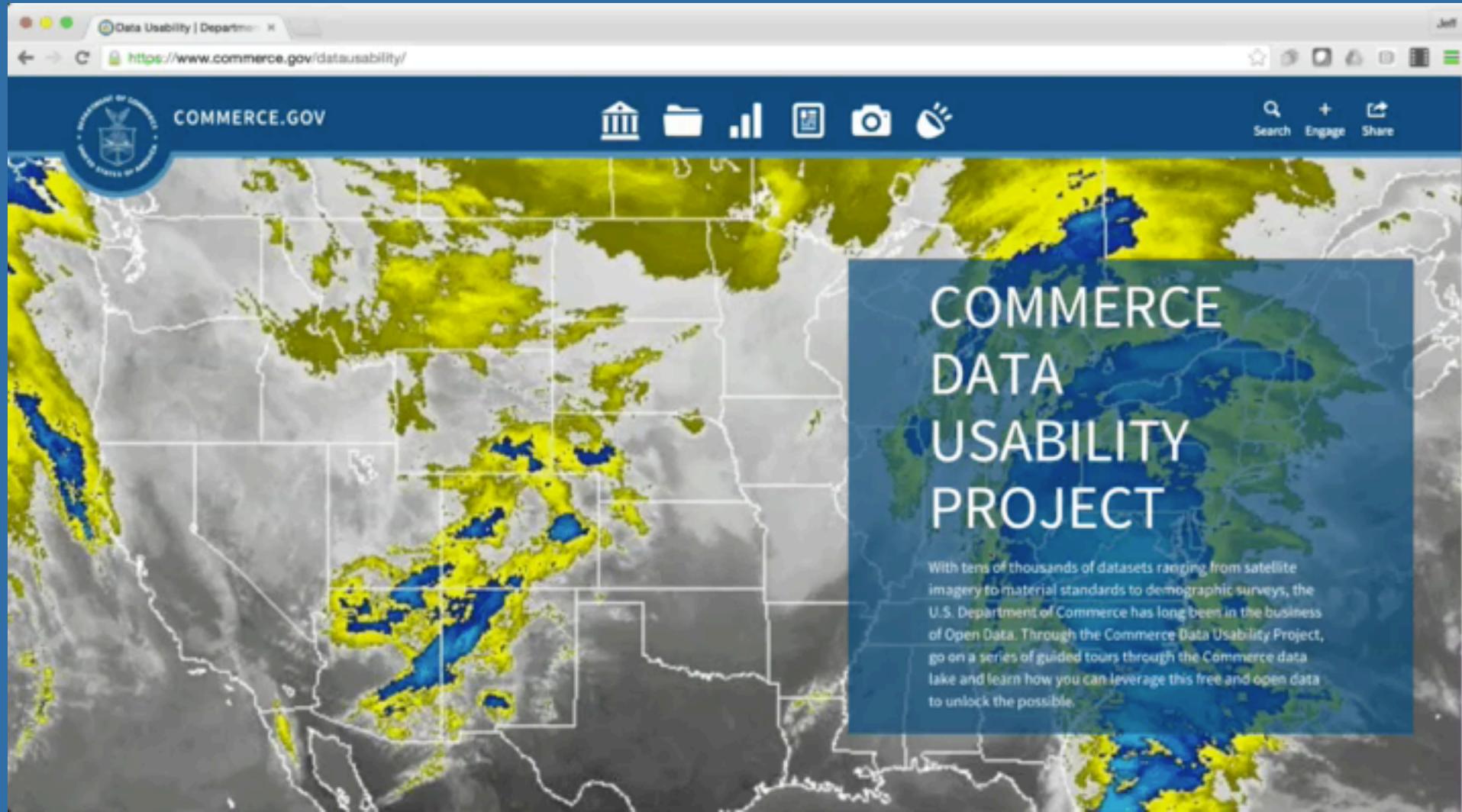
innovation
in your field



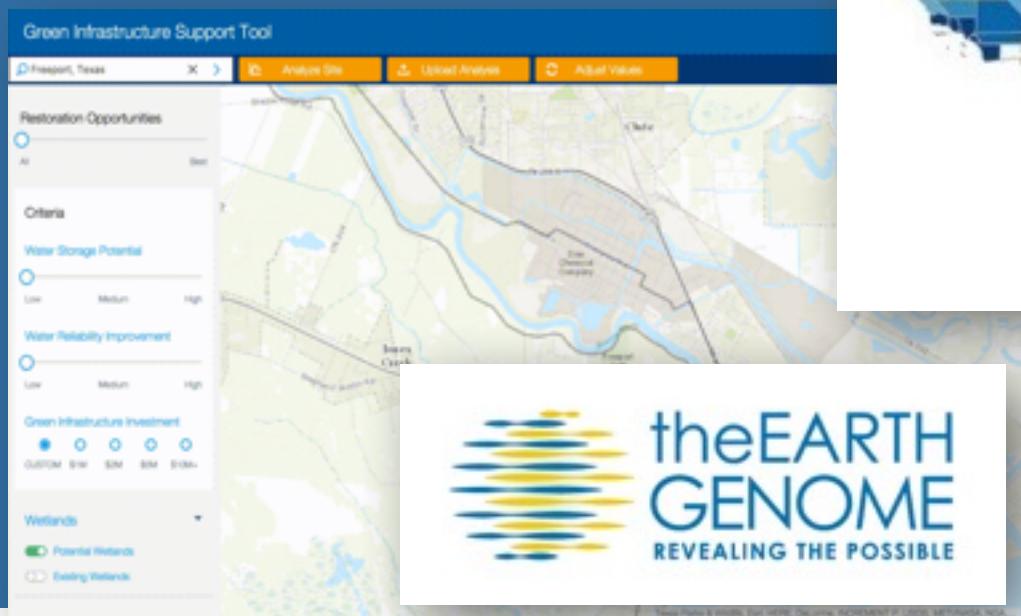
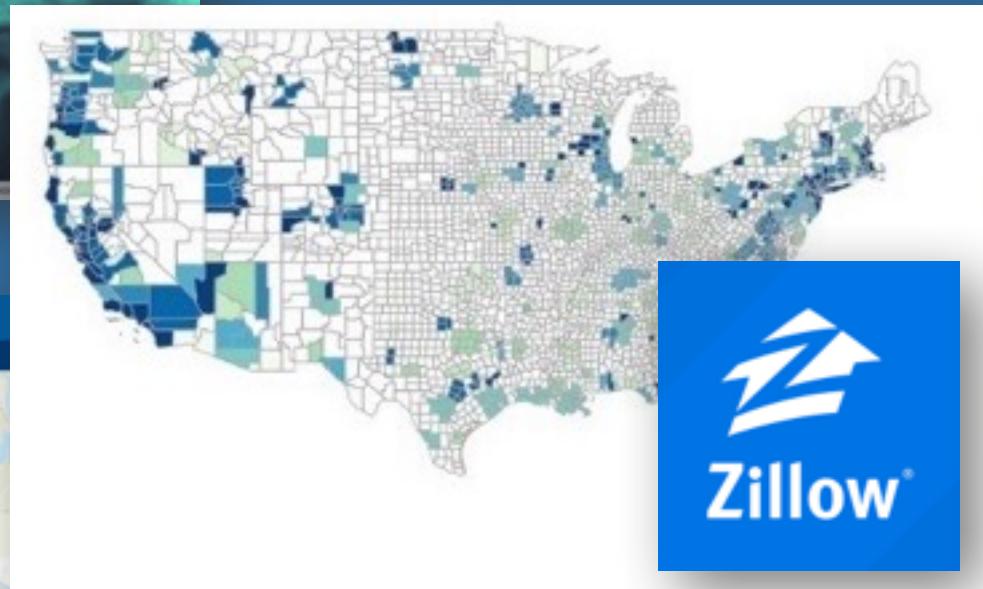
Open data maximization

progression

Projects



[commerce.gov/datausability](https://www.commerce.gov/datausability)





Income Across **AMERICA**

Explore how income changes across geographies and demographics.

[Browse Topics](#)

or

[Explore Data](#)

View and Build Powerful Visualizations

Income distribution in the United States is a complex issue that everyone deserves the right to

midaas.commerce.gov

The Opportunity Project

An official website of the United States Government

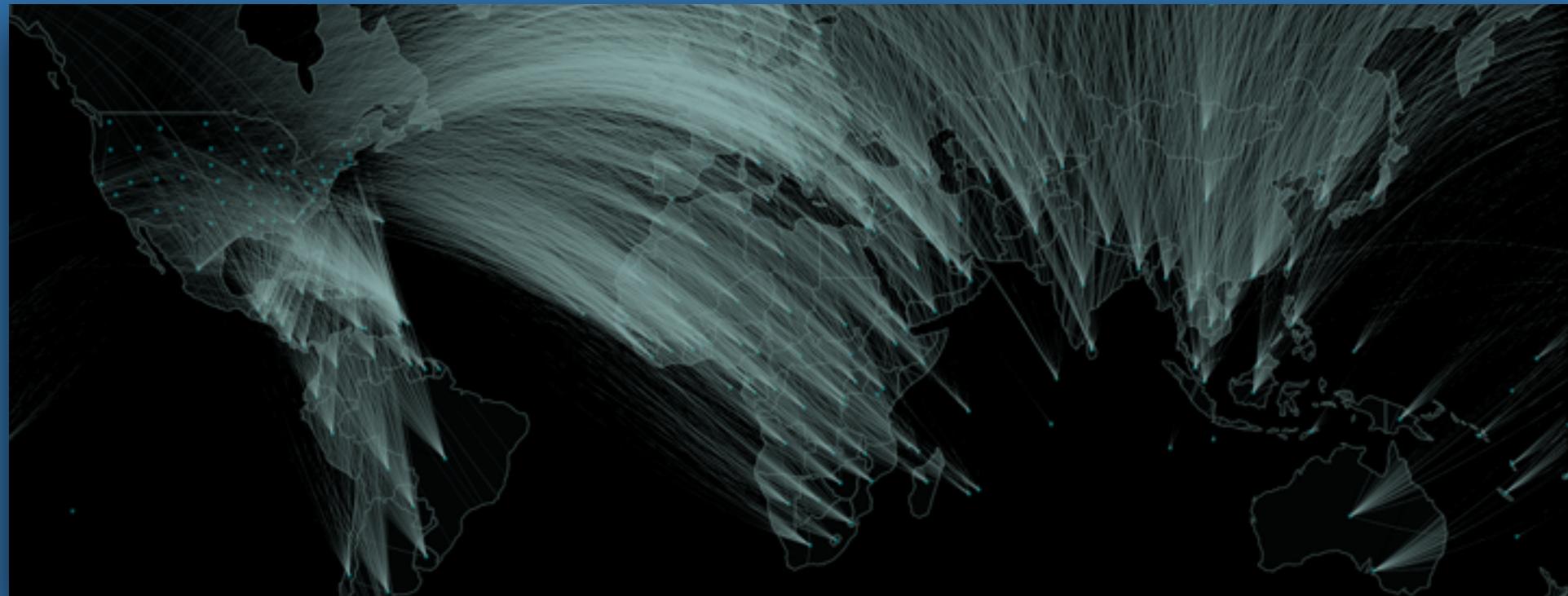
This site is currently in beta. Learn more.

The Opportunity Project

Let's build something amazing together.

Connect Build Learn More

opportunity.census.gov



New Exporters Initiative



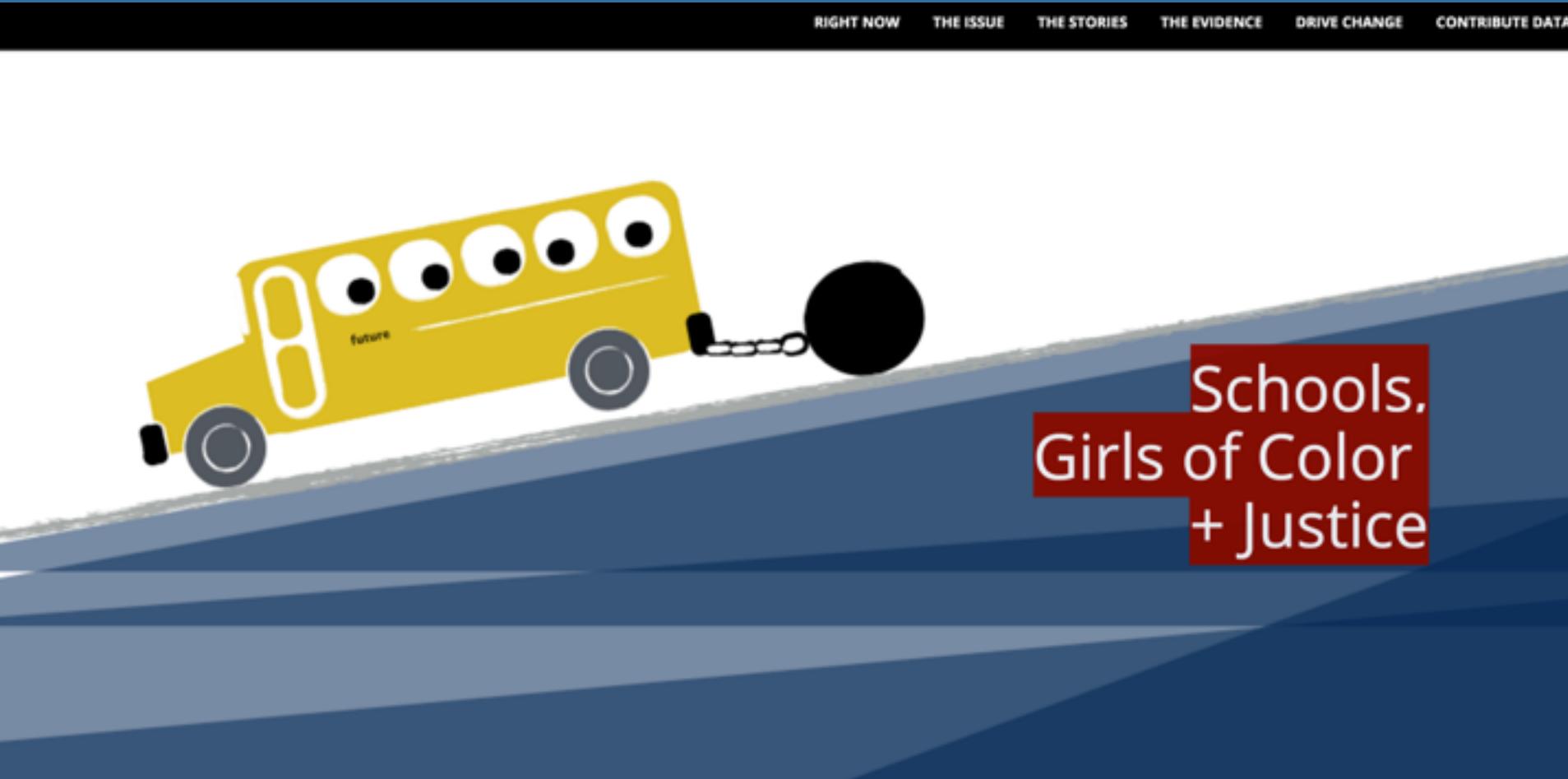
COMMERCE.GOV



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dataacademy.commerce.gov



Schools.
Girls of Color
+ Justice

www.helpgirlsofcolor.org/

Stay tuned.



Ian Kalin

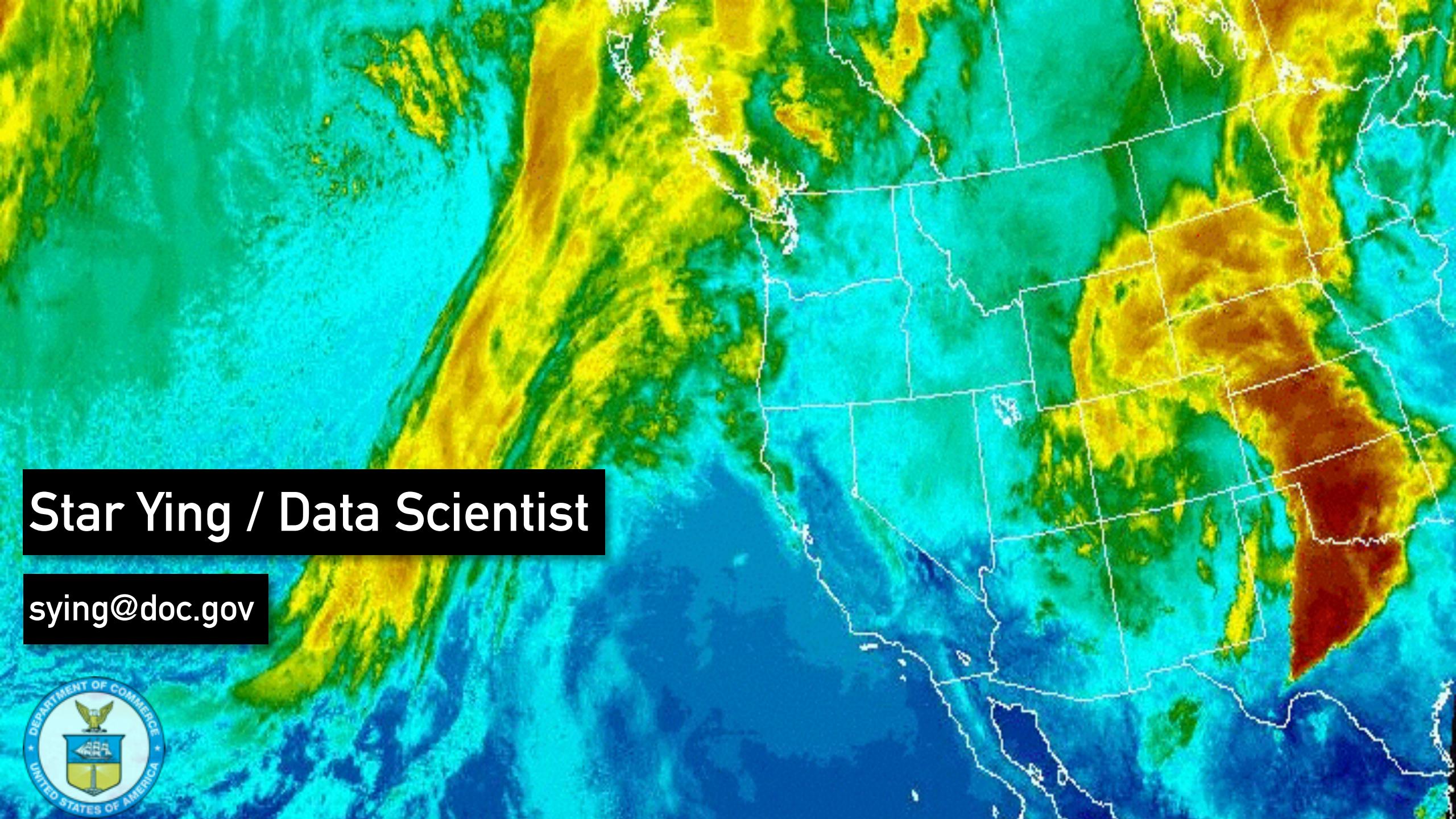
Chief Data Officer

ikalin@doc.gov

Dr Tyrone Grandison

Deputy Chief Data Officer

tgrandison@doc.gov



A weather radar map of the Eastern United States, showing a large area of heavy precipitation and severe weather systems. The map uses a color scale from blue (lighter rain) to red (heaviest rain). A prominent yellow-to-red wedge-shaped area of intense precipitation is visible over the Great Lakes and moving eastward across the Great Plains and Midwest. The map also shows the outlines of the 50 US states.

Star Ying / Data Scientist

sying@doc.gov

