



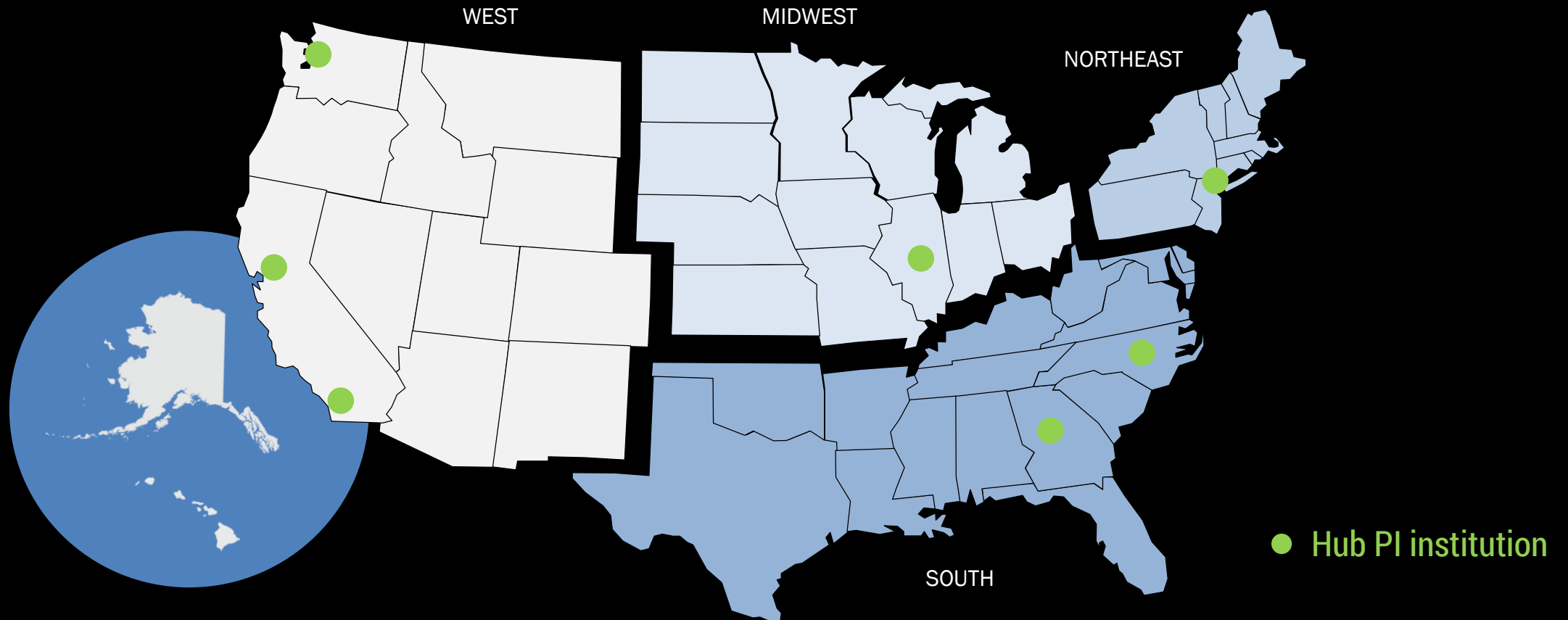
**WEST
BIG DATA
INNOVATION
HUB**

Smart & Connected Communities: National Transportation Data Challenge example

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Four hubs, one mission.



build and strengthen partnerships

across industry, academia, nonprofits, government

to address societal + scientific challenges,

spur economic development,

and accelerate innovation in the big data ecosystem



**WEST
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West Hub Priority Areas



METRO DATA SCIENCE

Smart Cities + Communities,
Transportation, Housing, Police
Data, Economic Development



PRECISION MEDICINE

Diagnostics, Treatment,
Genomics, Environment/ Exposome



NATURAL RESOURCES + HAZARDS

Water, energy, agriculture, disaster
response + recovery, sustainability



DATA-ENABLED SCIENTIFIC DISCOVERY + LEARNING

Open science, reproducibility,
education, workforce development

CROSS-CUTTING EFFORTS:

- Cloud Computing Task Force
- Public Policy, Ethics, Privacy, Security
- Data Sharing, Infrastructure
- Data-Driven Storytelling / Data Literacy
- Data Hackathons, Challenges, Collaborative Community-Building Engagements

NATIONAL TRANSPORTATION DATA CHALLENGE

HOW MIGHT WE REDUCE TRAFFIC FATALITIES?

Hosted by the Regional Big Data Innovation Hubs #BDHubs



Over the last two years, traffic deaths across the United States increased 14%. In 2016, nearly 6,000 pedestrians died - the highest number in more than two decades

JOIN US to share your ideas + contributions through a series of community problem-solving sessions, roundtables, hackathons + demos (in person + online)!



Resources + more info: <https://bigdatahubs.io>

National Transportation Data Challenge Summit

Continued partnerships + opportunities



Highlighting progress + new commitments building upon our 6-month sprint

- ✓ Open data and tool-sharing collaborations through 2020: bit.ly/NTDCdocs
- ✓ Governance model, network of experts + data enthusiasts

Example: curriculum partnership with DSSG + LRNG (10 cities, 700 organizations)

Connections to Global Movements in Data Science

Women in Data Science (WiDS) Datathon + Conference



Predictive Analytics competition Feb 2018 with over 220 teams, 26 countries

- ✓ Gates Foundation financial inclusion data
- ✓ Results shared at global conference with 150+ events, 50+ countries
- ✓ 2nd Annual Datathon planned for 2019

**Call for Commitments now open
Regional collaborations welcome**



California Safe Drinking Water Data Challenge

Join the Launch Event June 26, 2018 | San Francisco



IMAGINE |  | H₂O

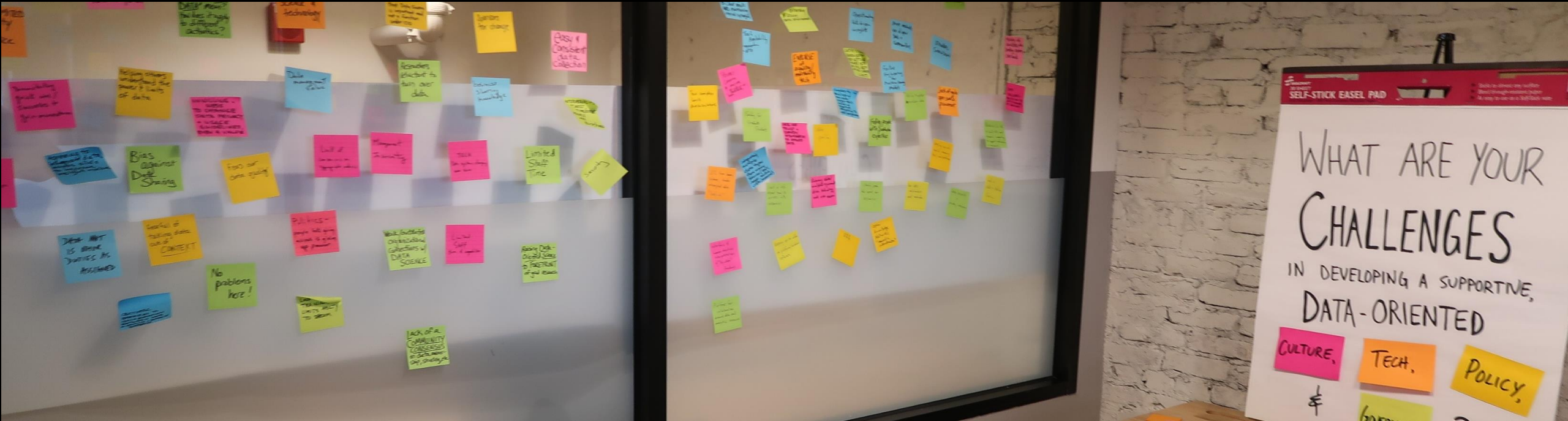


waterchallenge.data.ca.gov

#CAWaterDataChallenge

Building Data Science Capacity: Organizational Change

Confluence of complex challenges + workforce development opportunities



Convened over 125 enthusiasts to share resources, perspectives

- ✓ Federal government, state/local gov, large companies, startups, universities
- ✓ “Vote with your feet” discussion on culture, tech, policy, governance
- ✓ “Asks” and “offers” from a diverse community

Participate:
bit.ly/datahubs

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