

Internet of Water Better Data for Better Decisions

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Our vision for the Center for Geospatial Solutions

We want to help partners
ask the **right questions** and transform
the **right data into actionable insights**



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LINCOLN INSTITUTE
OF LAND POLICY



Internet
of Water
COALITION



Principles and
Philosophy



Philanthropic
Project



Emerging Federal
Initiative



Principles



Philanthropic Project



Federal Initiative

Discoverable,
Accessible, &
Usable Water
Data



New Information &
Insights



Improved Design-
making in the
Water Data
Community



Internet
of Water

Healthy
Communities &
Ecosystems



Better Water
Management
Outcomes



The philanthropic project, initiated at Duke in 2018, now partnering with Lincoln Institute and IoW Coalition Partners consists of three components:

- Place-based collaborative water data projects
- Common standards, advanced through a nationwide community of practice
- Essential new technologies



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Place-Based Projects



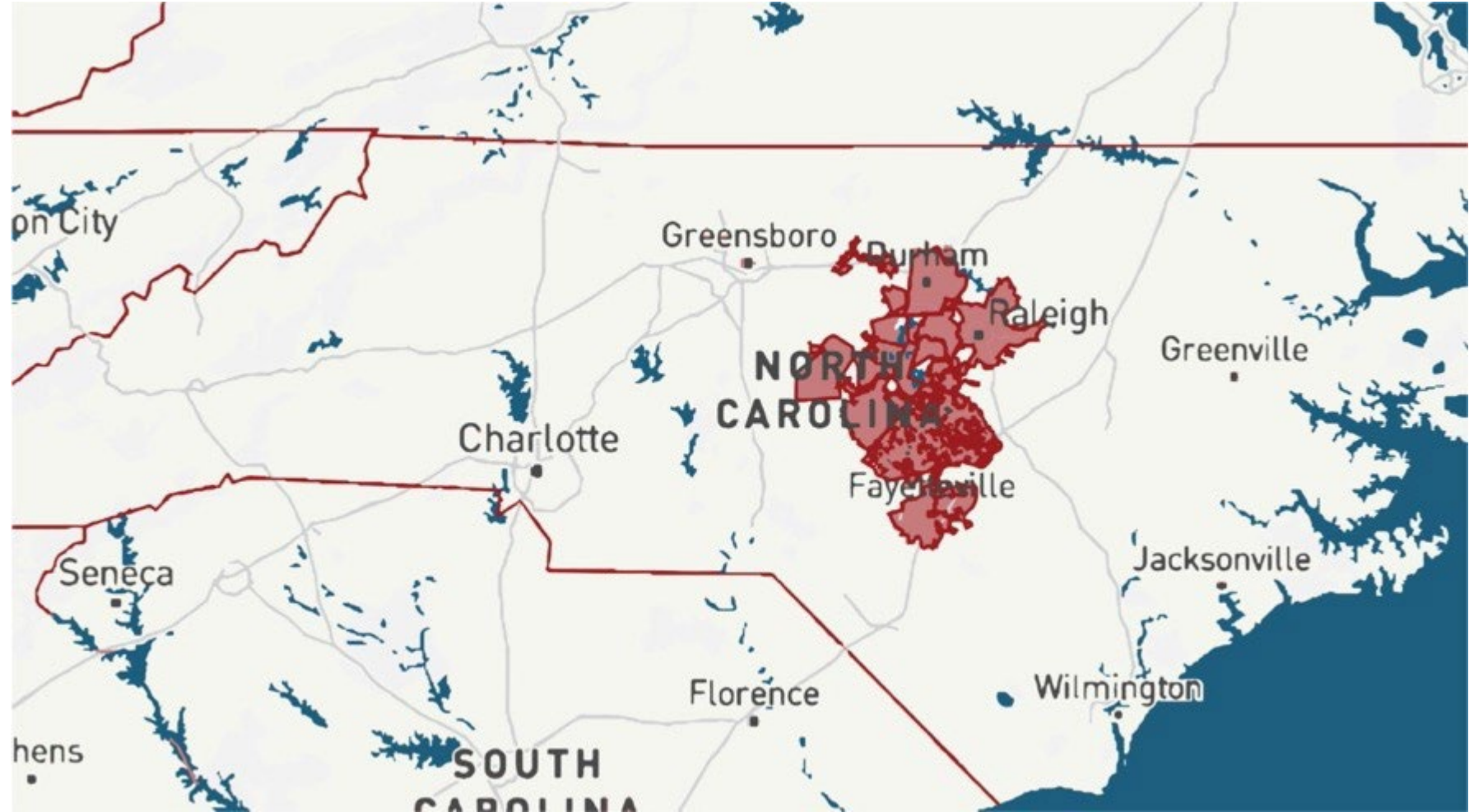
Principles



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NC Water Supply Dashboard

Helping utilities share demand, conservation status, and other data relevant to water supply.



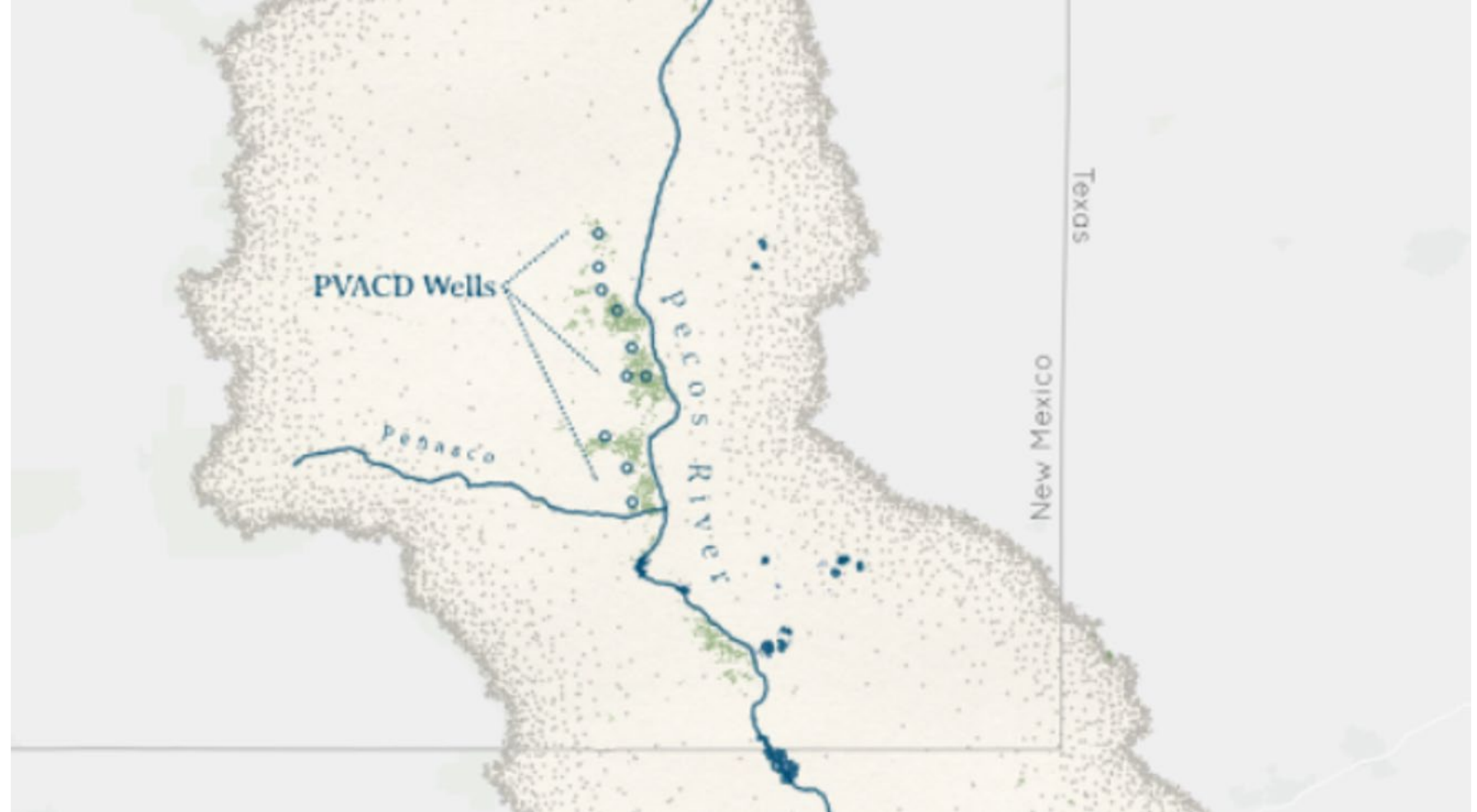
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Improved Data Management and Decision Support in the Lower Pecos Valley

Management of groundwater withdrawals for the Pecos Valley Artesian Conservation District



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Freshwater Harmful Algal Blooms Monitoring and Notification System

Integrating state Monitoring data with data collected by tribal governments and community science organizations



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Community of Practice for Water Data Standards

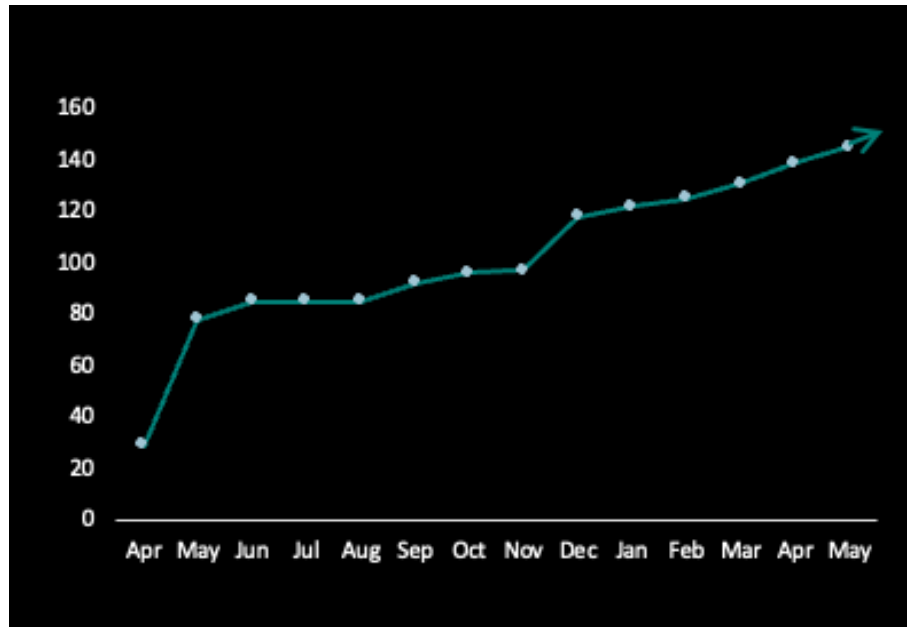


Principles

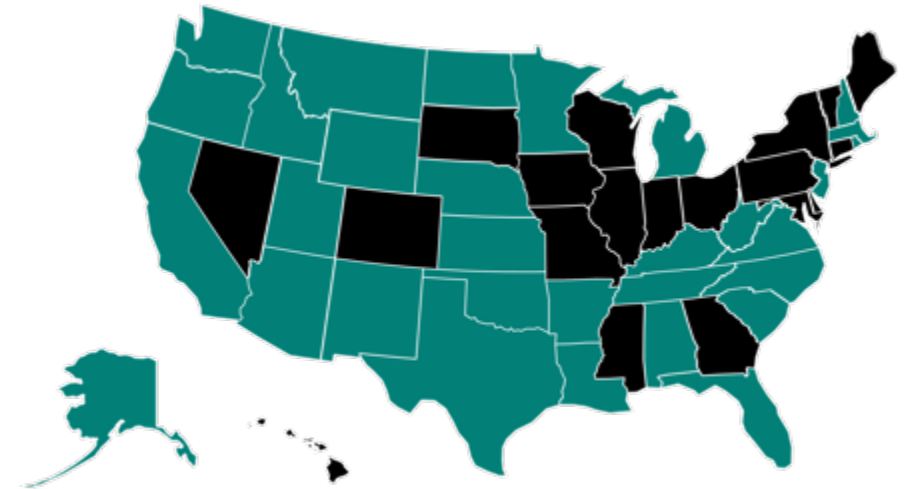
Peer 2 Peer Network Community of Practice



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145 Members



33 States



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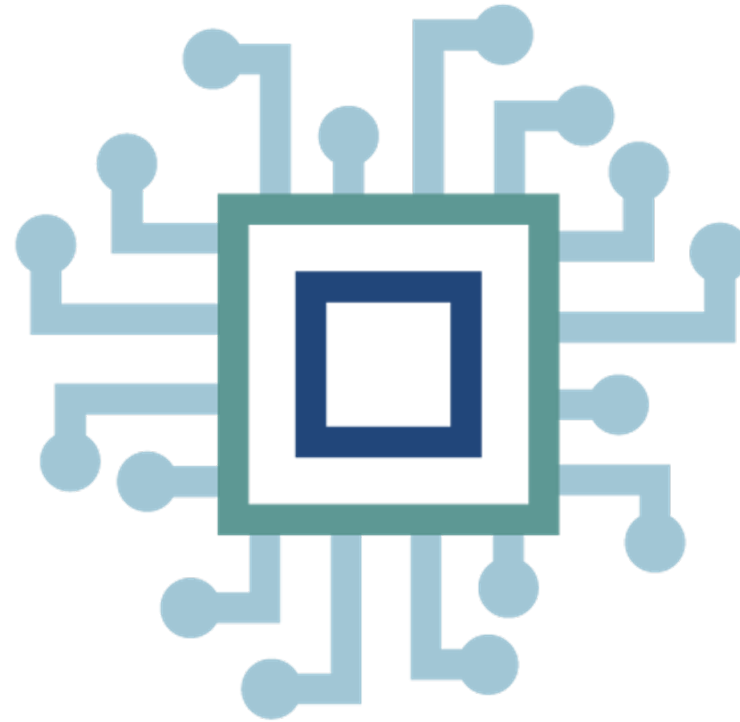
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New Technology



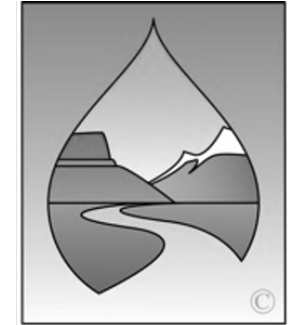
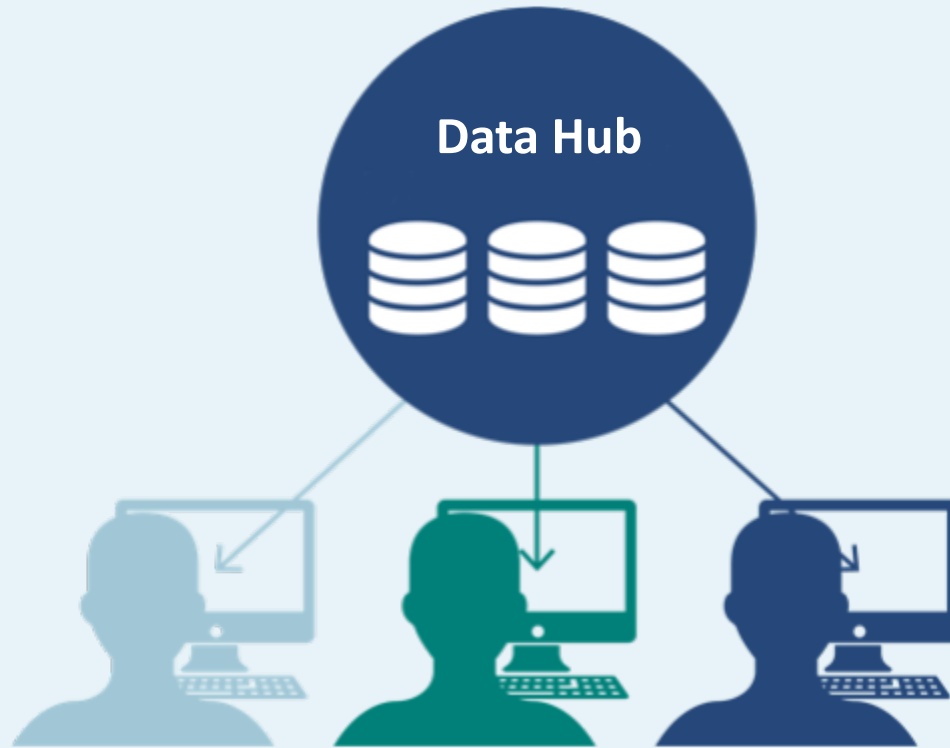
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Federal Initiative



WESTERN STATES
WATER COUNCIL





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Geoconnex

**A search index for water
data from all organizations**



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Before Geoconnex



Few relevant data sources

After Geoconnex



All relevant data sources



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Emerging Federal Initiative:

- Partnership with USGS on water data discovery
- Partnership with DOE on hydropower data
- Dialogue with EPA
- Federal Roundtable



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Better Data for Better Water Management Decisions

- Hydropower
- Water supply and drought resilience
- Water quality

Thank you!



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