Environmental Information exchange Network

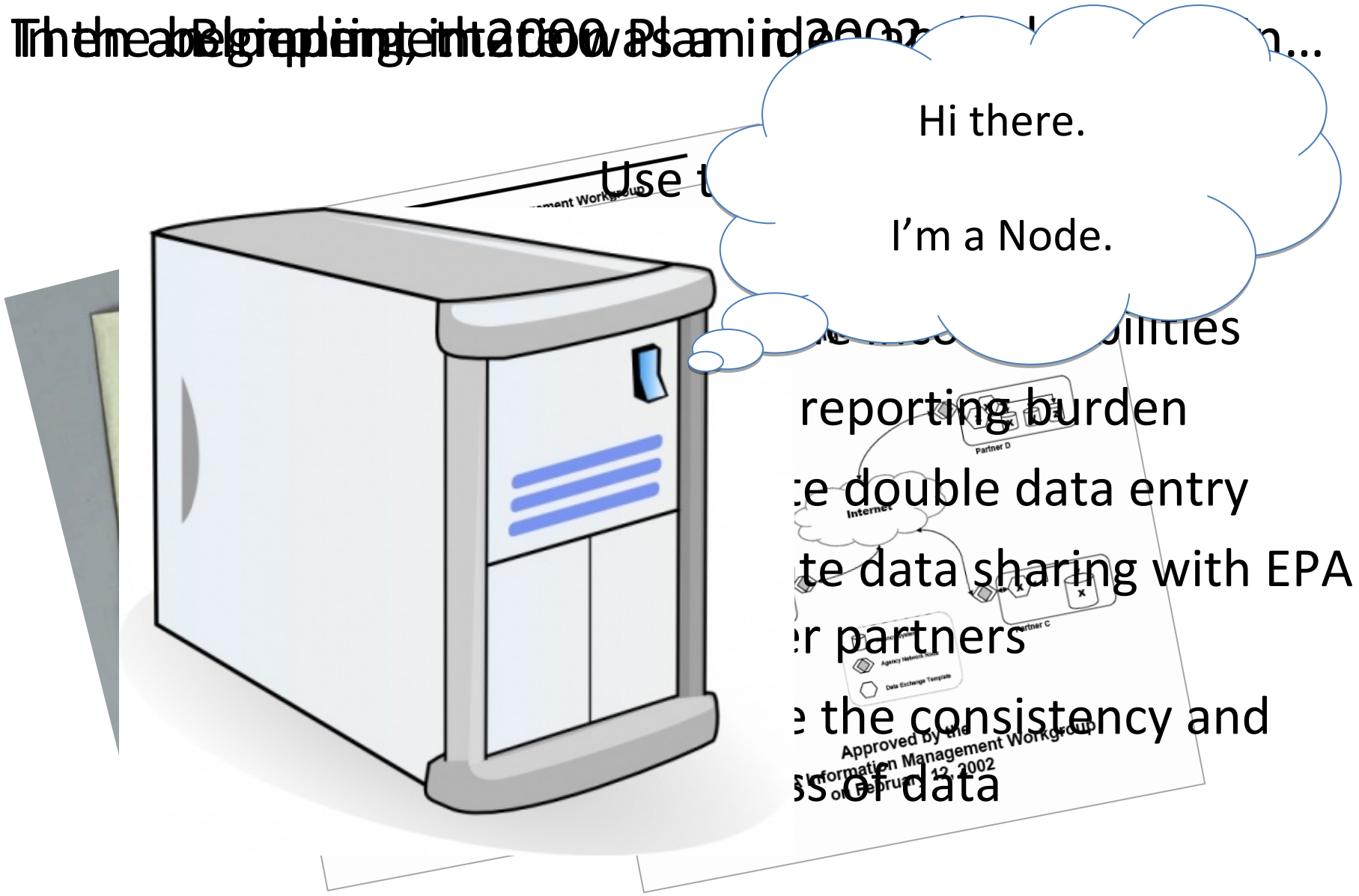
State of the Network

EN2014

February 25, 2014

Environmental Information eXchange Network

Where We've Been



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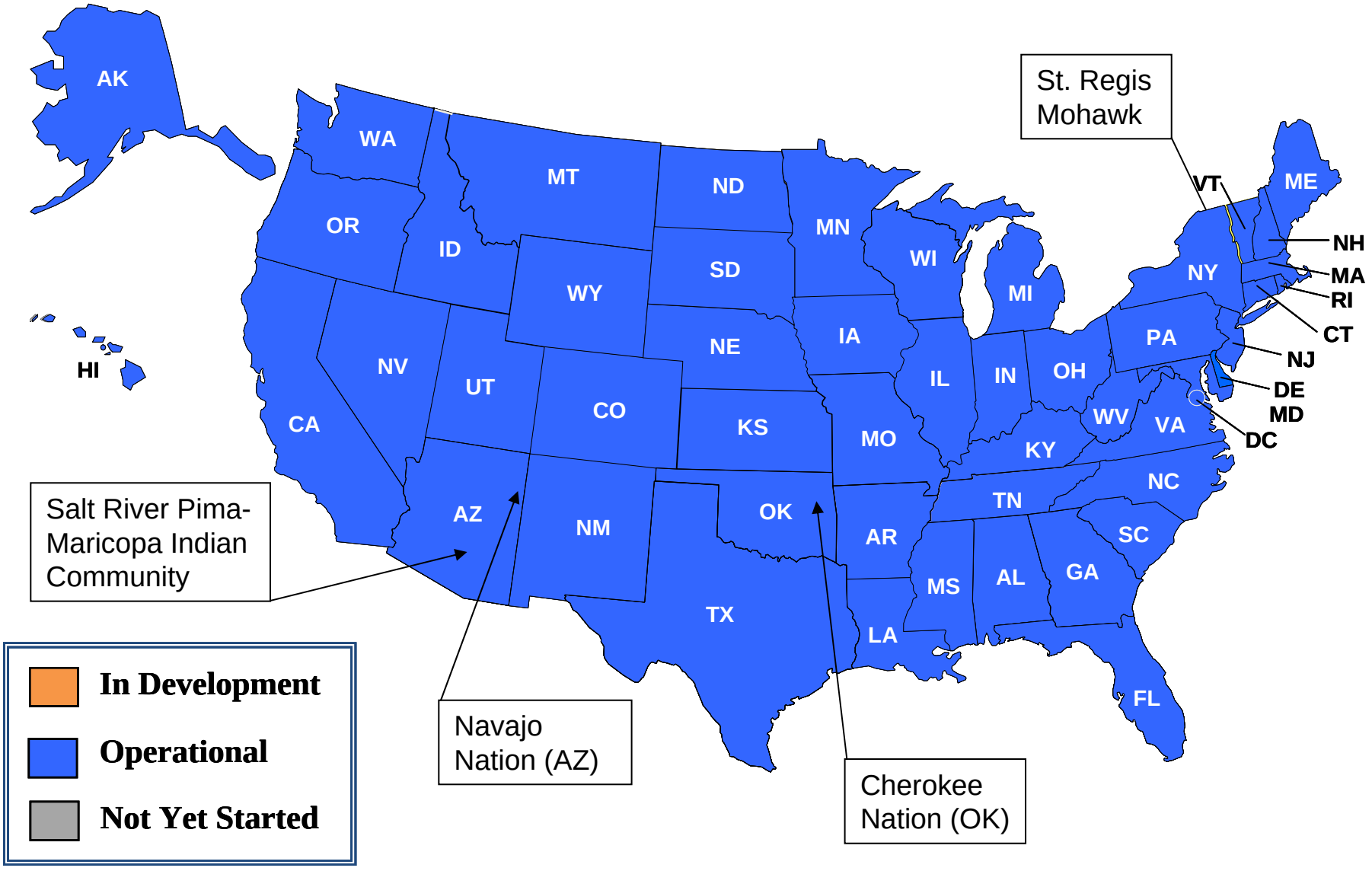
EN Nodes in 2008



Where We've Been

Phase 1 of the Network

- Established foundational technologies
  - Nodes, common XML schema formats, and data standards
- Emphasized 10 priority data flows associated with regulatory reporting
- Goal of transitioning 10 priority data flows to the Network by 2012

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Phase 1 Results

- 8 of 10 data flows exclusively use the Network
  - ✓ Water Quality Exchange (WQX)
  - ✓ Emission Inventory System (EIS)
  - ✓ Underground Injection Controls (UIC)
  - ✓ ICIS-NPDES
  - ✓ Toxic Release Inventory (TRI)
  - ✓ Beach Notification
  - ✓ Facility ID
  - ✓ Air Quality System
- SDWIS and RCRAInfo offer Network flows alongside alternatives
- Partners can choose the EN solution that best meets their needs
  - Nodes, EN Services Center, Other EN-based tools

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Where we are now

Phase 1 of the Network

- Technical foundation and standards
- Emphasized reporting to EPA
- Largely limited to Network of Co-regulators

Phase 2

- ENLC crafted a plan for Phase 2 in 2012-2013
- Will build on our success to create a broader Network that enables partners to more easily find, access, and use data to better understand, manage, and protect human health and the environment.

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Phase 2 Goals

- The Exchange Network Becomes Increasingly Usable, Efficient, and Sustainable.
- The Exchange Network Becomes Increasingly Relevant and Valuable to a Broadening Community of Partners and Consumers.
- The Network Enables Better Decisions Through Timely, Accessible, and Useful Environmental Information.
- The Exchange Network and its Partners Have Adequate Resources for Implementation, Operations, and Maintenance.

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Can you give me an example?

Institutional Controls (ICs) are legal instruments that help keep people away from bad stuff.

Easy access to IC data is important for regulators, local governments, land owners, land use planners, real estate professionals, construction industry, utilities…

Terradex has a web-based tool called LandWatch that acts as a file cabinet and a smoke alarm for ICs

Web services can help regulators make IC data more readily available to power LandWatch and other tools

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IC Connections to Phase 2

- Engages new partners beyond our existing Network
- Public/private partnerships
- Partner with 3rd party developers with close relationships to data consumers
- Web services for easier data access and use
  - New design approaches that compliment existing EN services and lower the bar to participation
  - RESTful web services and Application Programming Interfaces (APIs)

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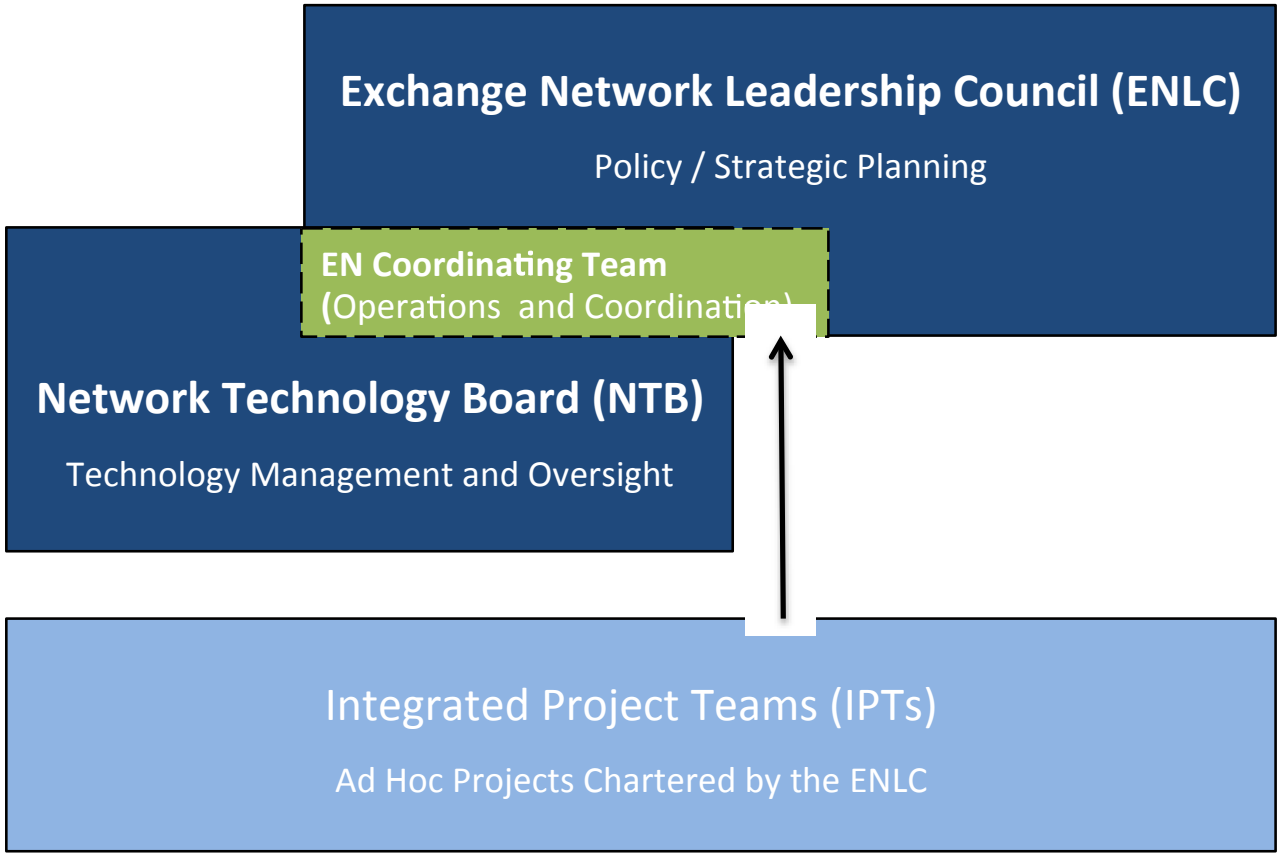
EN Governance Changes



Where we are going

E-Enterprise for the Environment

is a joint initiative of States and EPA to improve environmental outcomes and dramatically enhance service to the regulated community and the public by maximizing the use of advanced monitoring and information technologies, optimizing operations, and increasing transparency.

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EN Grants and Funding

- FY 2014 is the thirteenth year of the Exchange Network Grant program
- EPA has awarded 689 grants worth $180 million
  - Includes 42 grants worth $9.9 million in FY2013
- FY2014 applications are under review. Funding decisions are likely in Spring