E-Enterprise for the Environment

Modernizing the Business of Environmental Protection

E-Enterprise — Delivering Tangible Benefits
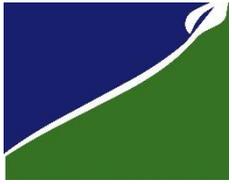
Ron Evans
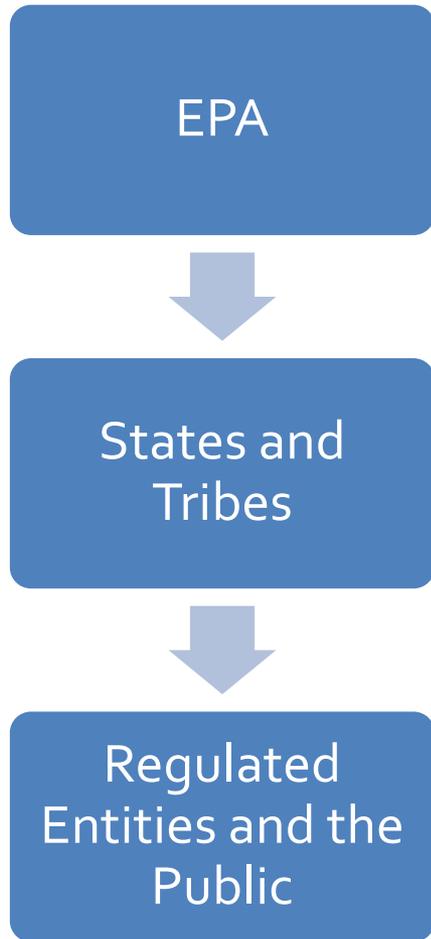
USEPA Office of Air and Radiation

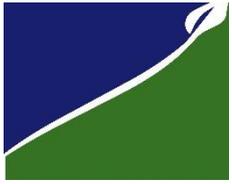2016 NACAA Communicating Air Quality
March 16, 2016
Chicago, IL

The Old Way of Doing Business

EPA

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States and Tribes

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Regulated Entities and the Public

Old, outdated processes and equipment are no longer effective in helping co-regulators in environmental protection.
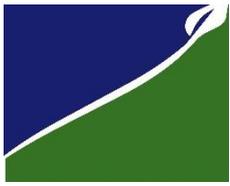
Joint Governance Structure

E-Enterprise for the Environment is a new model for collaborative leadership among environmental co-regulators, engaging with all interested and affected parties, to achieve positive environmental, human health, and economic outcomes.

E-Enterprise is a Fundamental Change in the Way We Do Business

EPA

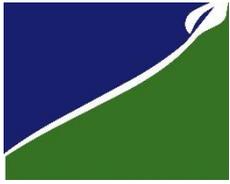States, Locals and Tribes

Regulated Entities and the Public

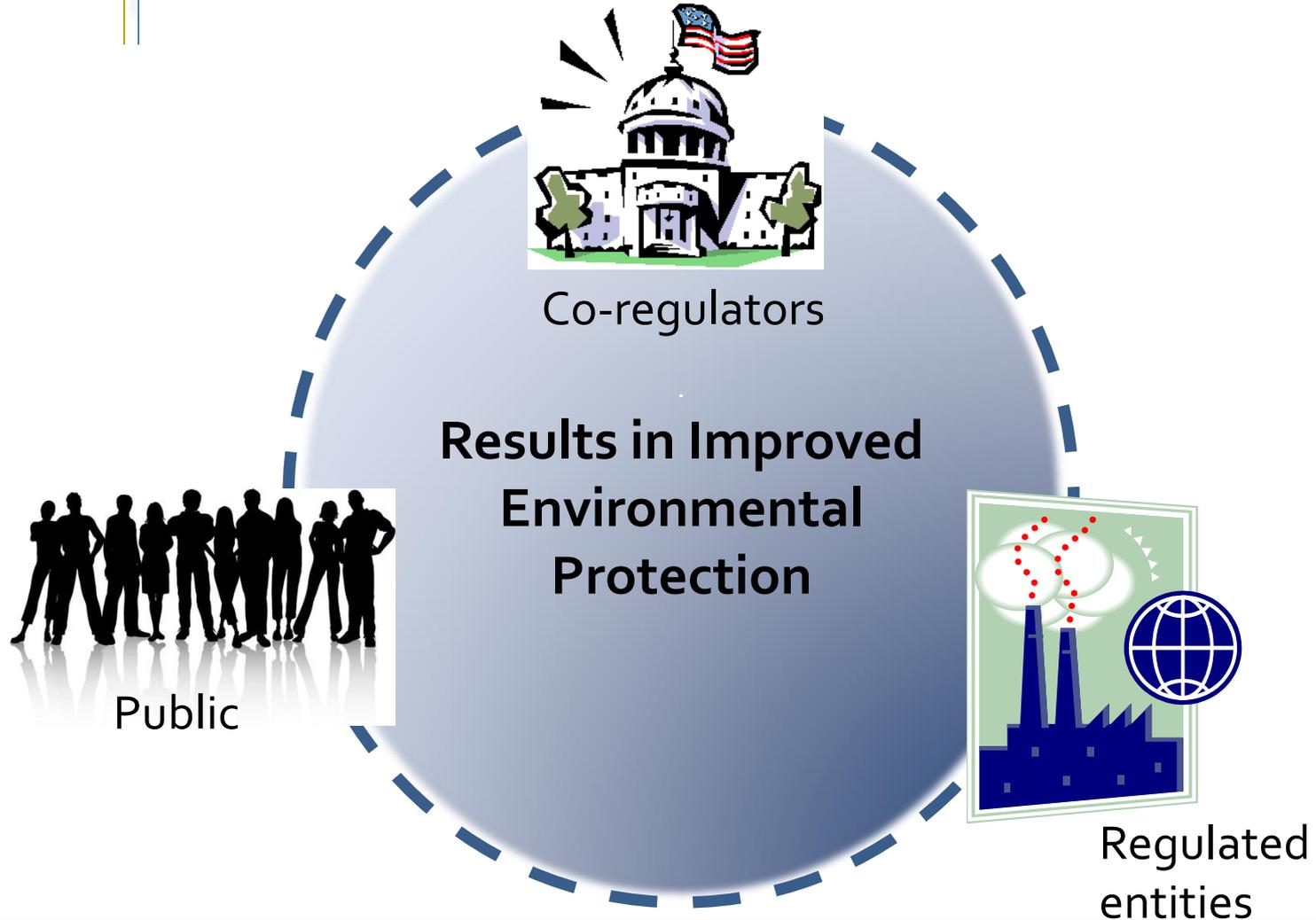**GOAL 1** Improve environmental protection through better program performance

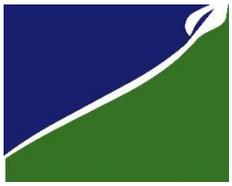**GOAL 2** Enhance services to stakeholders and agency partners

GOAL 3 Operate a partnership as a transformative model for Joint Governance

E-Enterprise Benefits in Practice

Co-regulators

Results in Improved Environmental Protection
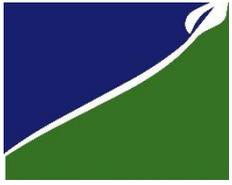
Public

Regulated entities

How will E-Enterprise and aligned projects benefit the public?

- Potential direct benefits to the public
  - Data presented in easy to understand fashion
    - Combined Air Emission Reporting
  - Common understanding of facility attributes across EPA and State environmental programs
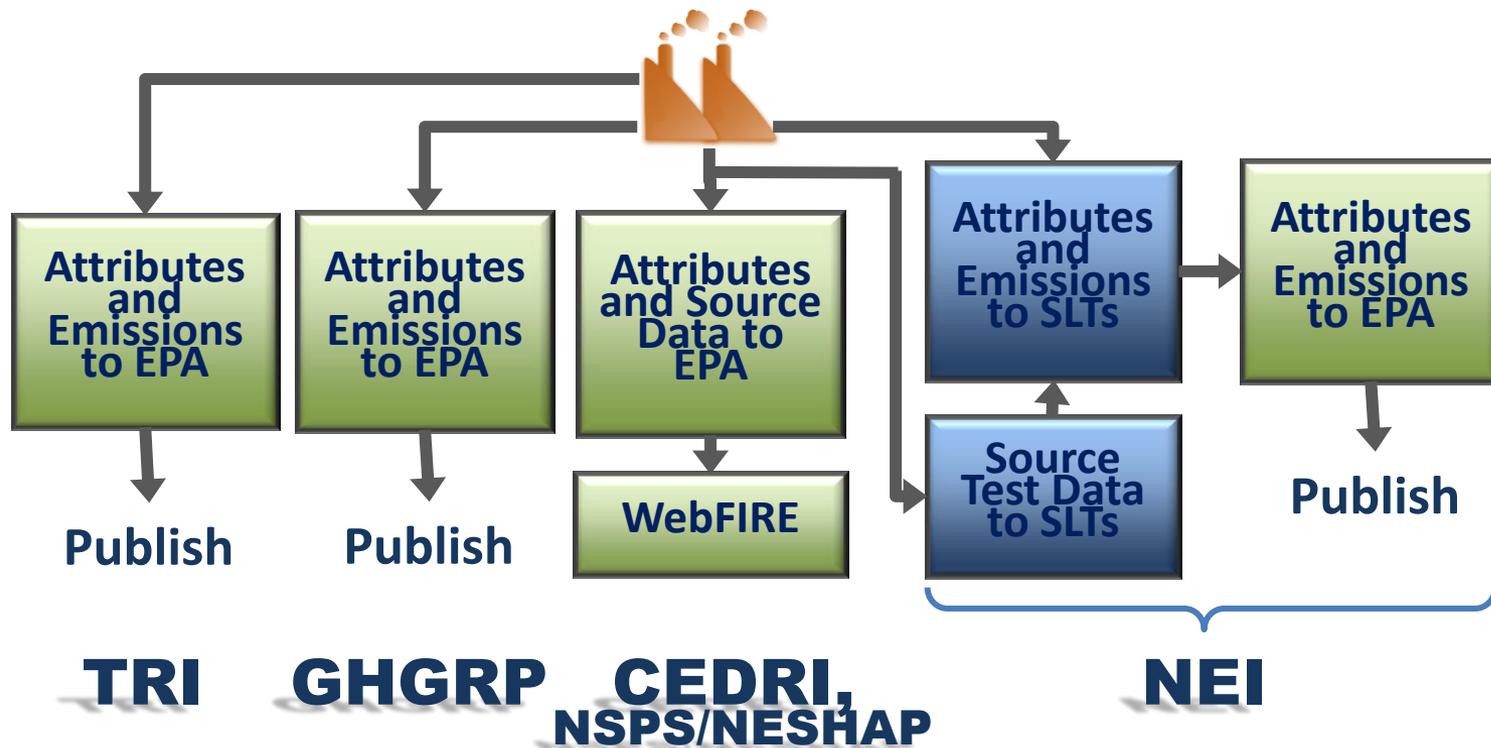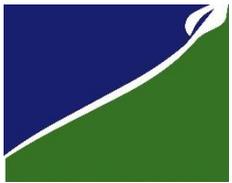   - Facility ID

- **How will E-Enterprise and aligned projects benefit the public?** (continued)

- Potential direct benefits to the public (continued)
  - Modernize rules/guidance to reduce frequency and duration of leaks
    - Leak Detection and Repair (LDAR)
  - Facilitate the development of sensor technology which serves a variety of community needs
    - Advanced Monitoring
    - Village Green benches
    - Technology assessment and community involvement
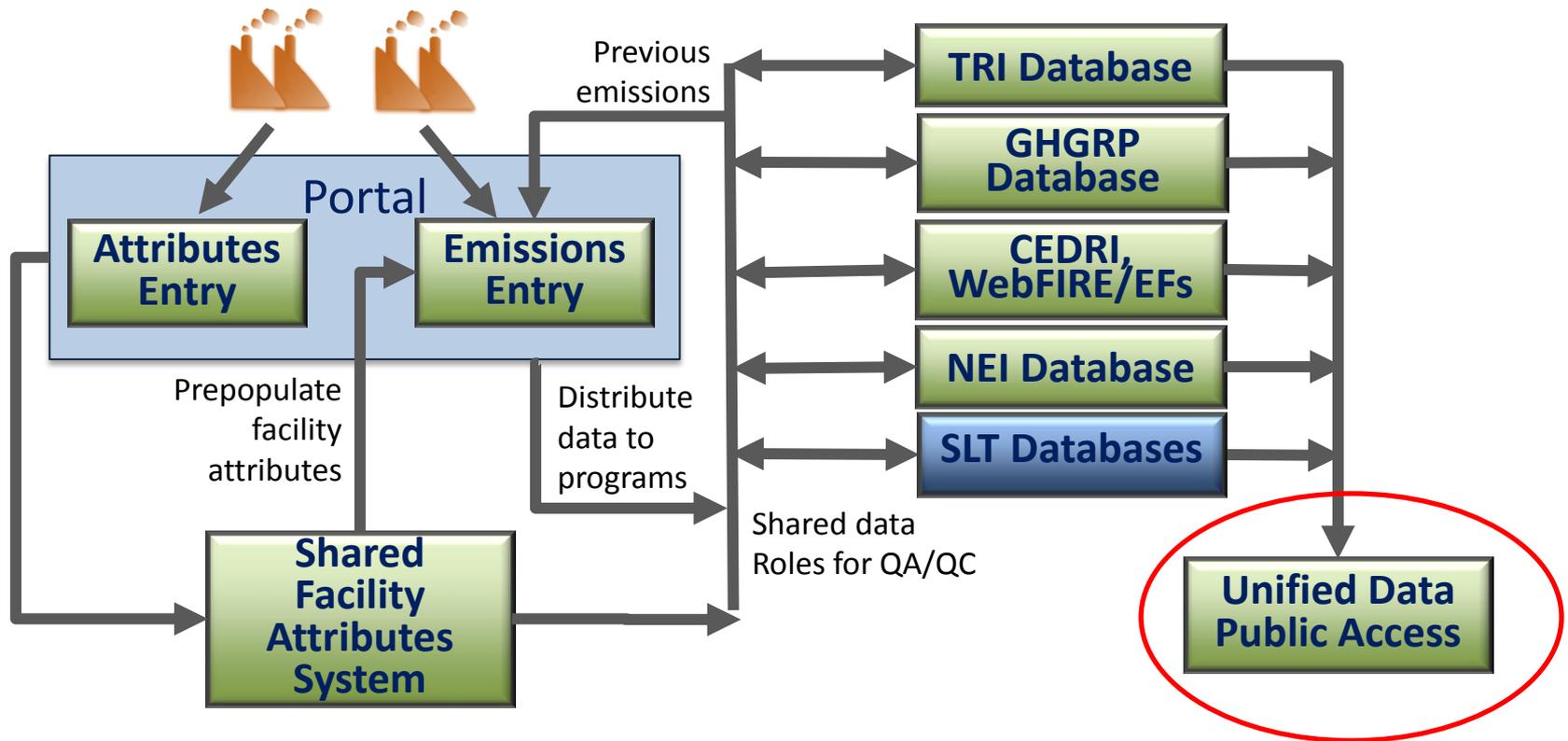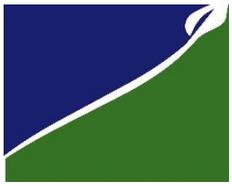   - Interpreting data

Combined Air Emissions Reporting: "As is"

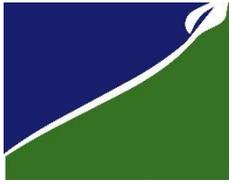# Air Emissions Reporting: the future
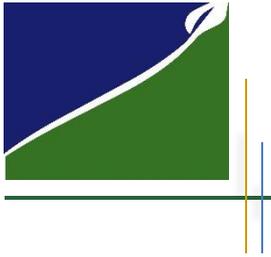
Air Emissions Reporting:
Benefits to the public

- Consistent air emissions data
  - Currently it is sometimes challenging to reconcile reported emissions across programs
- Ability to view emissions data in variety of ways (e.g. by State, facility, industry, pollutant etc)
  - Currently, due to differing definitions it is hard compare apples to apples
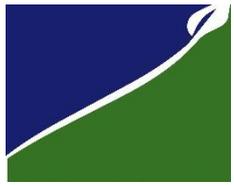
Common Facility ID

- Many EPA and State programs have unique ways of identifying a facility and its attributes, often dictated by legislation or regulation

- Two coordinated efforts going on to try and coordinate facility attributes in a manner which can be used commonly by EPA and State programs

- The holy grail: the ability to understand what emissions and releases are happening at a facility across programs and media
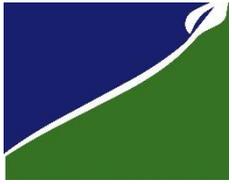
Modernize LDAR

- Leak Detection and Repair (LDAR): designed to address and reduce emissions from equipment leaks

- Team looking at existing rules and regulations for opportunities to modernize program

- Benefit: New approaches could allow facilities to identify leaks quicker and thus have the ability to reduce emissions faster

Facilitate Sensor Technology: other presentations today

- Advanced Monitoring
  - New technology opens many possibilities
- Village Green Benches
  - Partnerships demonstrating short term monitoring for communities
- Technology Assessment & Community Involvement
  - Testing of sensors and community involvement in sensor projects
- Interpreting data
  - Understanding what short term data means & what it does not

The promise of E-Enterprise

- The spirit of and structure for collaboration between EPA and the States, Locals and Tribes

- A commitment to modernization which benefits all:
  – Improves access to information
  – Focuses on environmental results while improving processes

- Questions?
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