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NATURAL RESOURCES

Changing Approaches to Environmental Data Management

Nathan O’Neil

Data Management Unit Chief

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Overview

1. Current challenges in environmental data management
2. Missouri DNR's approach
3. EPA's approach
4. How the two approaches will work together

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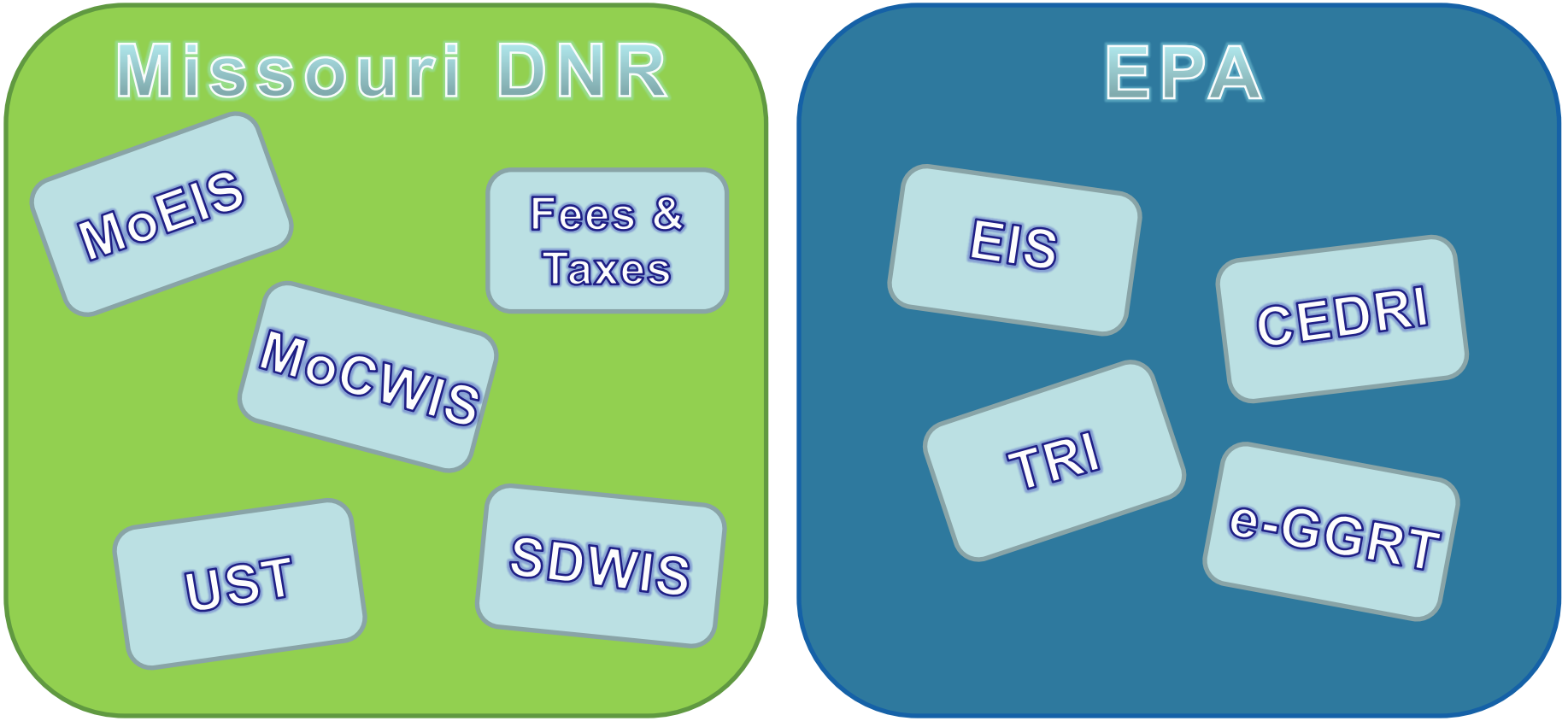
Part 1 - Current Challenges

- Multiple independent data systems



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Part 1 - Current Challenges

- Difficultly matching the same regulated entity across the different systems
- Inconsistent data for the same regulated entity
- Inconsistent responses to information requests

What's the right answer?

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Part 2 - Missouri DNR's approach

- Missouri Gateway to Environmental Management (MoGEM)
- Central hub connects Divisions of Environmental Quality and Geological Survey data systems
- Regulated entities access all of their site's information in one location
- Public access to data

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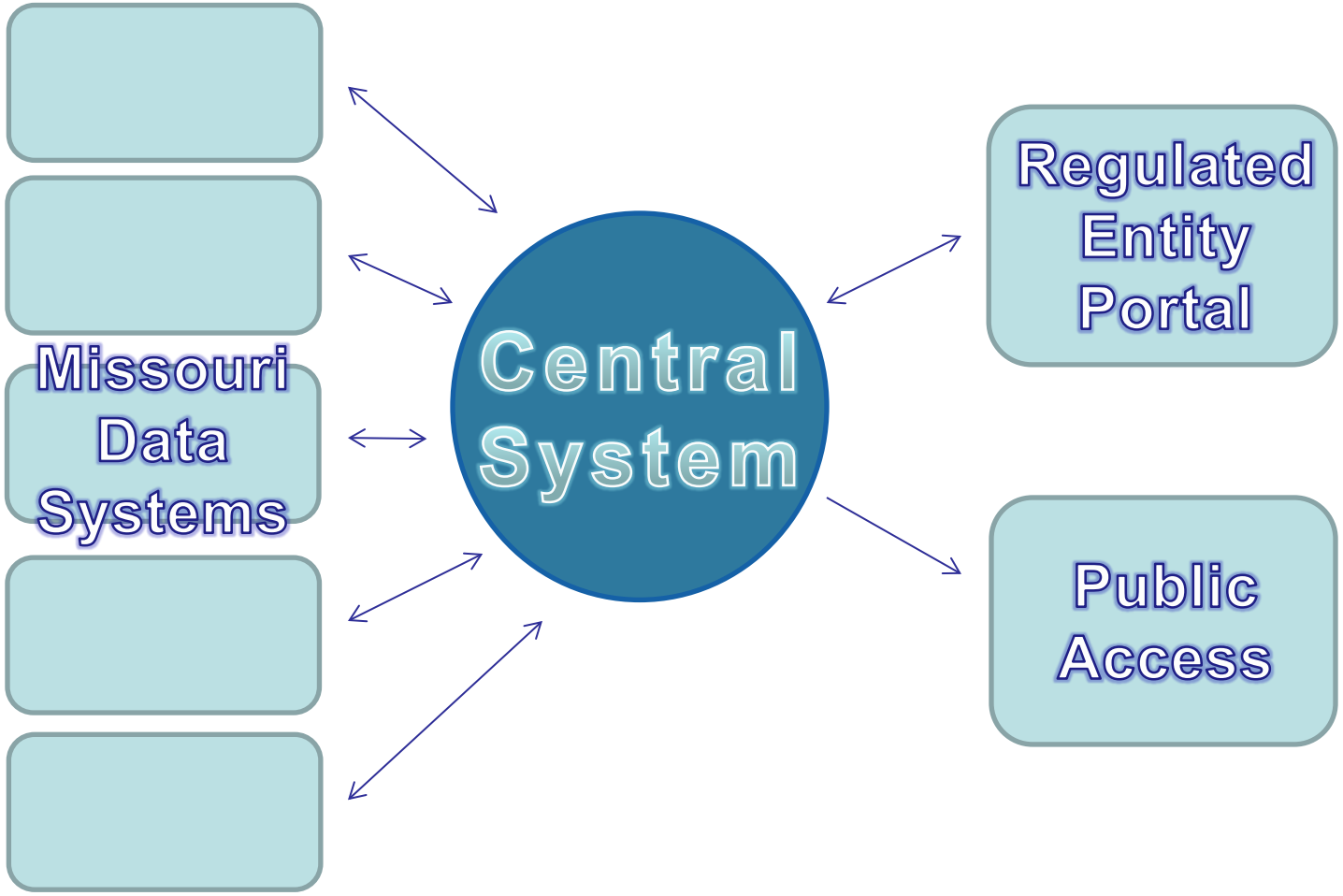
Part 2 - Missouri DNR's approach



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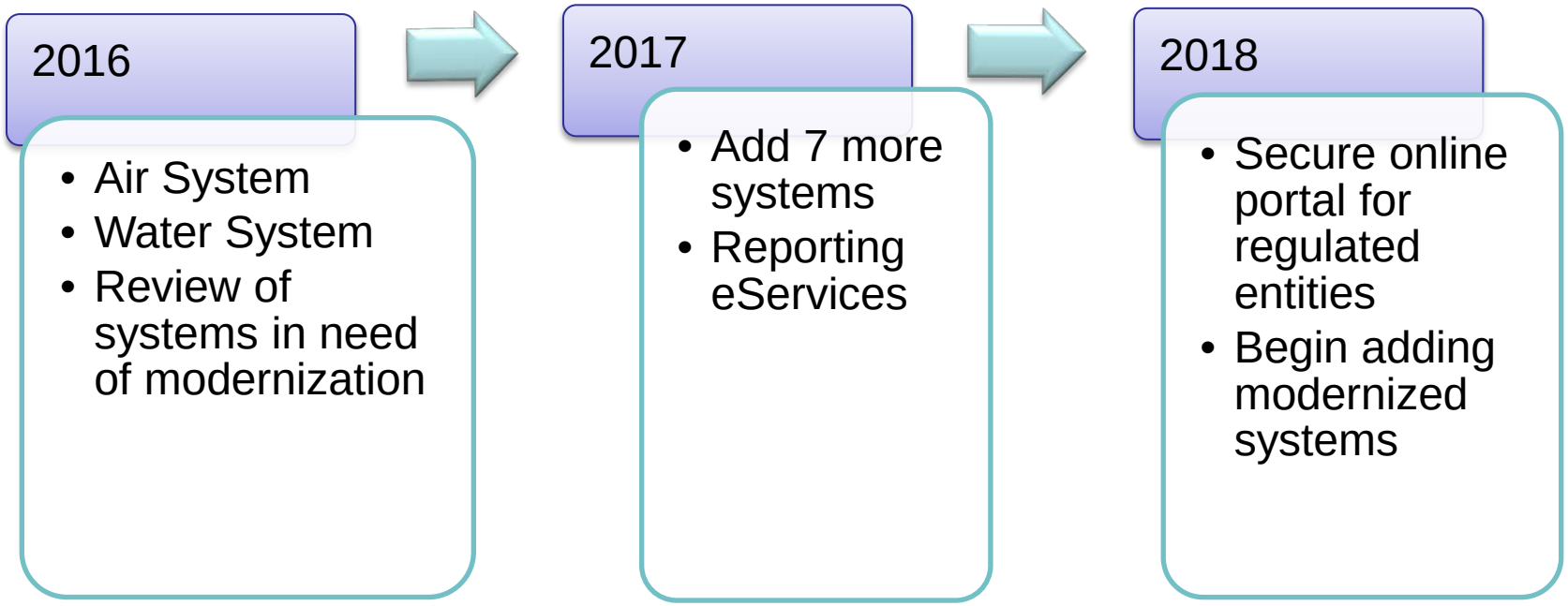
Part 2 - Missouri DNR's approach

Timeline



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Part 3 – EPA's Approach

- Combined Air Emissions Reporting (CAER)
- Connects systems of four EPA Project Groups

- Regulated entity enters information once
- Information is shared with the state systems

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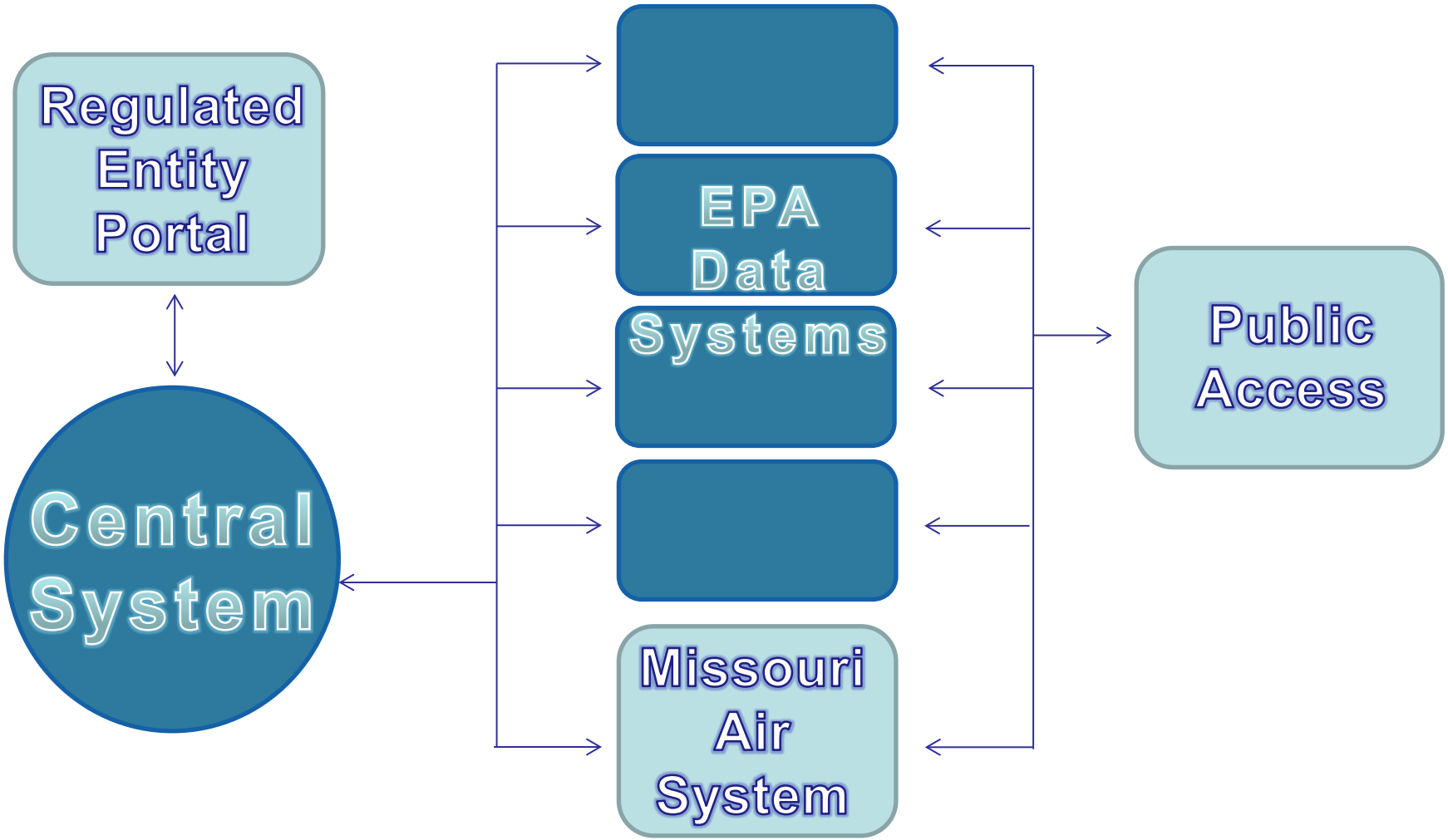
Part 3 – EPA's Approach



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Part 3 – EPA's Approach

Timeline

- EPA currently in the planning phase
- General implementation plan by May 2016
- Plan to complete a working prototype by end of 2016

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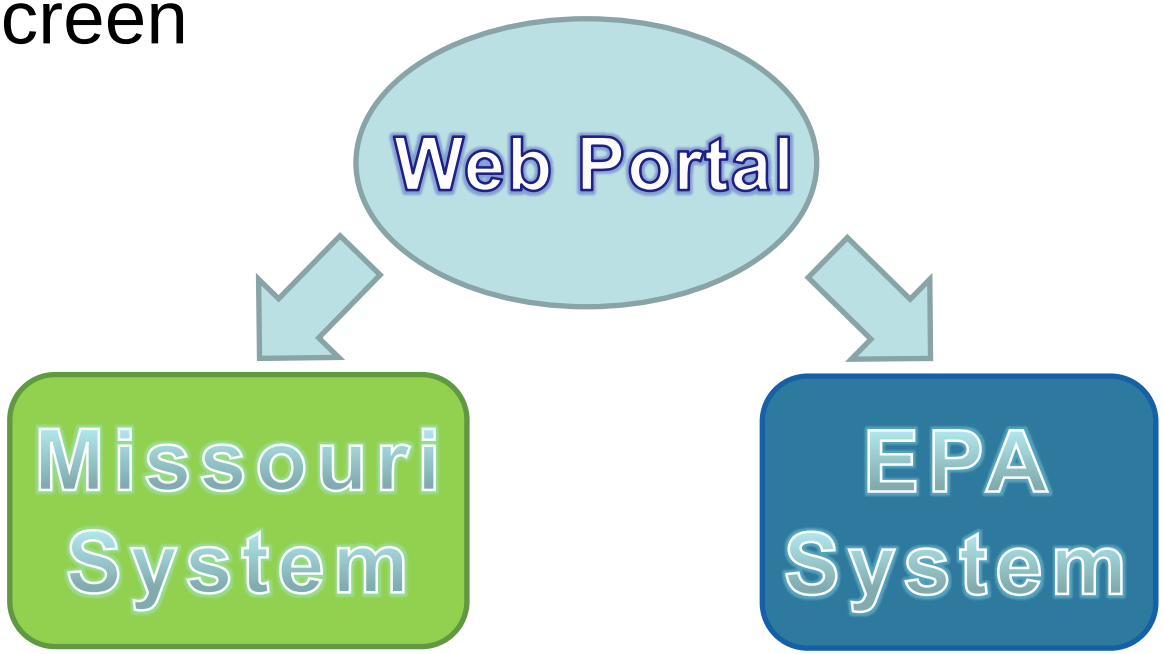
Part 4 - Two approaches working together

- Two Agencies – One Web Portal
- Sites can access everything from one login screen



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Moving Forward

- Air system and water system will be connected to Missouri's centralized system by the end of the year
- Missouri's project group will continue to add more systems to and expand functionality of the centralized system
- Air Program will continue to work with EPA as EPA's project develops

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Questions

Nathan O’Neil - Data Management Unit Chief
nathan.o’neil@dnr.mo.gov