

The New ATTAINS

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Water Quality Framework Building Blocks

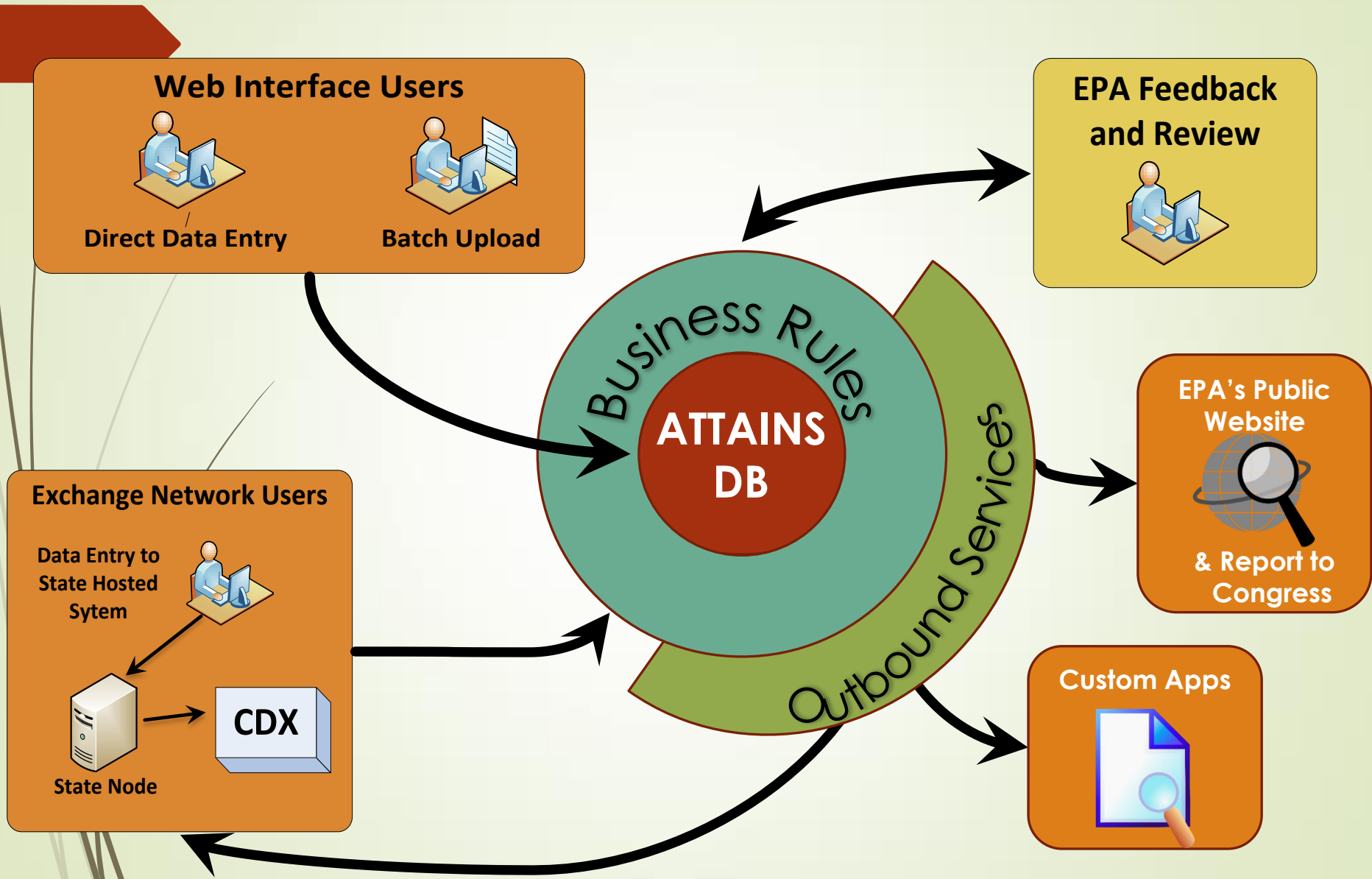
- The Water Quality Framework is built upon the existing OWOW data systems:
 - Water Quality Monitoring: STORET/WQX
 - Assessment/TMDL Tracking/Restoration: ATTAINS
 - Actions: 319 Non-Point Source Grants Tracking System (GRTS)
 - Geospatial Fabric: NHDPlus
- **The Water Quality Framework Goal:** to streamline water quality assessment and reporting while providing a more complete picture of the nation's water quality.

The Framework will evaluate how these systems can support one another, while providing users access to information in a seamless way that doesn't require them to know which system contains which data.



ATTAINS Redesign Workgroups

- ▶ In 2014, in partnership with ACWA we conducted 4 workgroups
 1. Data Elements Workgroup
 2. Data Flow and Systems Design Workgroup
 3. Performance Measures Workgroup
 4. Improved Assessment Process Workgroup
- ▶ These workgroups led the design and development of ATTAINS, and we're continuing to follow the plans outlined in the recommendations from those groups





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Lean Event

January 2015



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Direct Data Entry



ATTAINS Design Team

- Design Team was formed in early 2016
- Co-chaired between EPA and the New Mexico
- Goal is to have representation from at least 1 state in each Region as well as Regional representation
- Discussing the 'Design' of the user interface
- Meet every other week as well as additional discussions on domain lists (i.e. list of allowable 'causes')

DEMO of Current User Interface



Home



Assessment Units



Assessments



Actions



Reports



Priorities



Administration

Assessment Unit Summary - Falls Lake

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Assessment Unit Identifier	NC-123456-L_00	State	NC
Assessment Unit Name	Falls Lake	Use Class	<i>Not Specified</i>
Status	Active		
Location Description Comment	Falls Lake from Falls of Neuse to Highway 98 Bridge		

Water Types

Water Type	Size	Units	Size Source	Estimation Method	Source Scale
Freshwater Reservoir	3000	Acres			

Exchange Network Submissions

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ATTAINS Integrated Project Team

- IPT was formed in March 2015
- Build upon work that was done in 2014 to define the ATTAINS data elements and define requirements for the ATTAINS data flow
- Two primary goals:
 1. Refine and finalize the XML schema for the ATTAINS Exchange Network data flow
 2. Develop the Flow Configuration Document for ATTAINS
- Calls were held bi-weekly through August 2015

ATTAINS Schema Version 0.4.6

- The IPT has completed work on the ATTAINS schema
- Further revisions have been completed as a result of the ATTAINS 'Design' discussions
- After testing, the schema will be submitted as a final schema (version 1.0)

Organization

Assessment Units

IR Reports

Assessment Details

Uses

Parameters

Sources

Delistings

Actions

TMDLs, Alternatives,
Protection,
Implementation, etc.

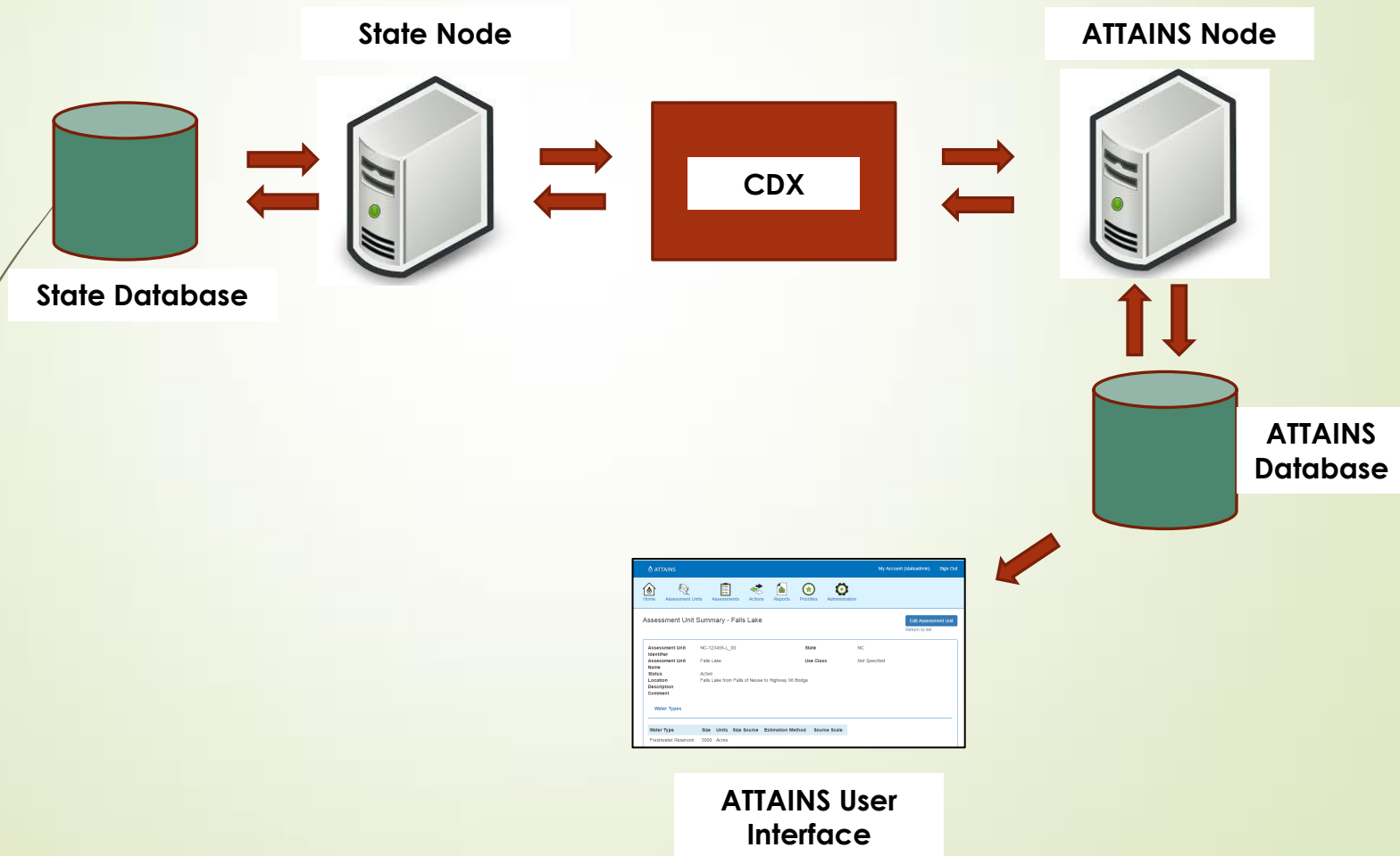
Priorities



Exchange Network Discussion Group

- ▶ Will discuss implementation of the ATTAINS data flow, and discuss approaches for testing
- ▶ Kick-off call was held in early March 2016
- ▶ Provides an opportunity for states to share experiences with one another and to ask questions of EPA

DEMO of Exchange Network Submission





Schedule

- Version 0.4.6 of the schema is complete
- System ready for testing – May 2016
- Following testing in Spring – Fall of 2016, the system will be updated based on lessons learned.
 - Updates complete with all final components – April 2017
 - All states need to transition to the new system – April 2018

Next Steps

- ▶ EPA would like to begin discussions on waterbody restoration measures (SP-10 and SP-11)
 - ▶ This would pick up from the discussion that was had in 2014 around possible improvements to these measures
 - ▶ We're looking for states who'd be willing to talk through finalizing the proposed measures so that we can test them as part of the new ATTAINS
- ▶ Testing, Testing, Testing
 - ▶ We'll be ready to begin testing in late May, we're looking for anybody who's willing to try out the system
- ▶ Governance
 - ▶ Since ATTAINS is a jointly owned EPA/State system, we need to develop a 'governance' model that helps us make decisions about changes to the system once it's up and running

Questions

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