



# Exchange Network Registry

Molly O'Neill, State Director,  
Network Steering Board

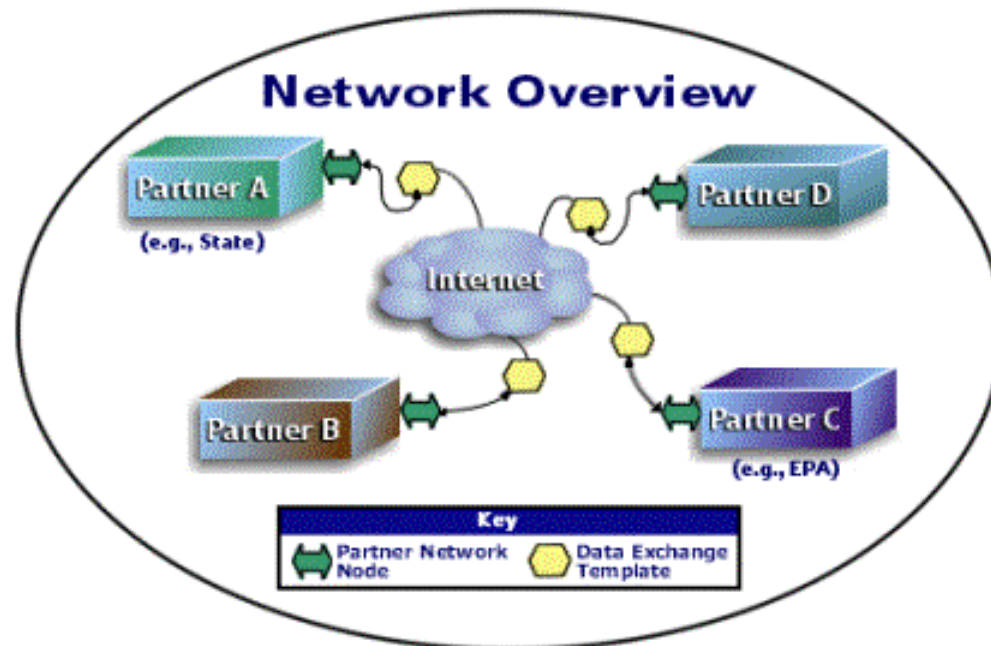
# Objectives

---

- Why do we need it?
- How did we get there?
- What does it look like?

# What is the Exchange Network?

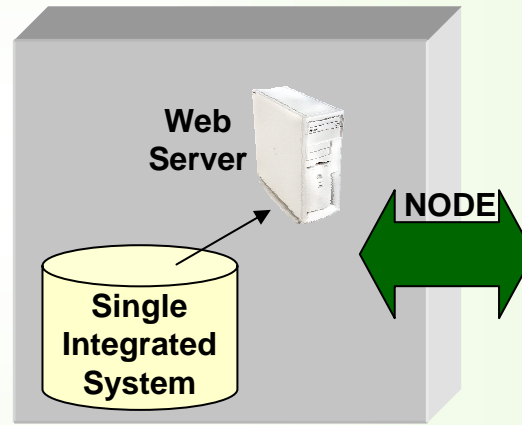
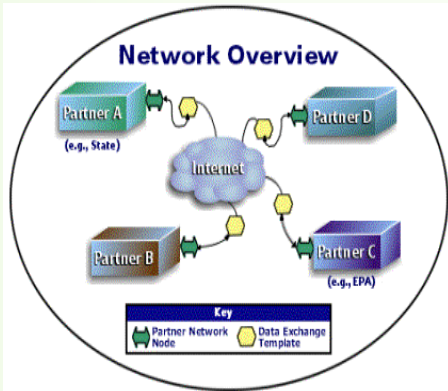
---



*An Internet and standards-based method for exchanging environmental information between partners.*

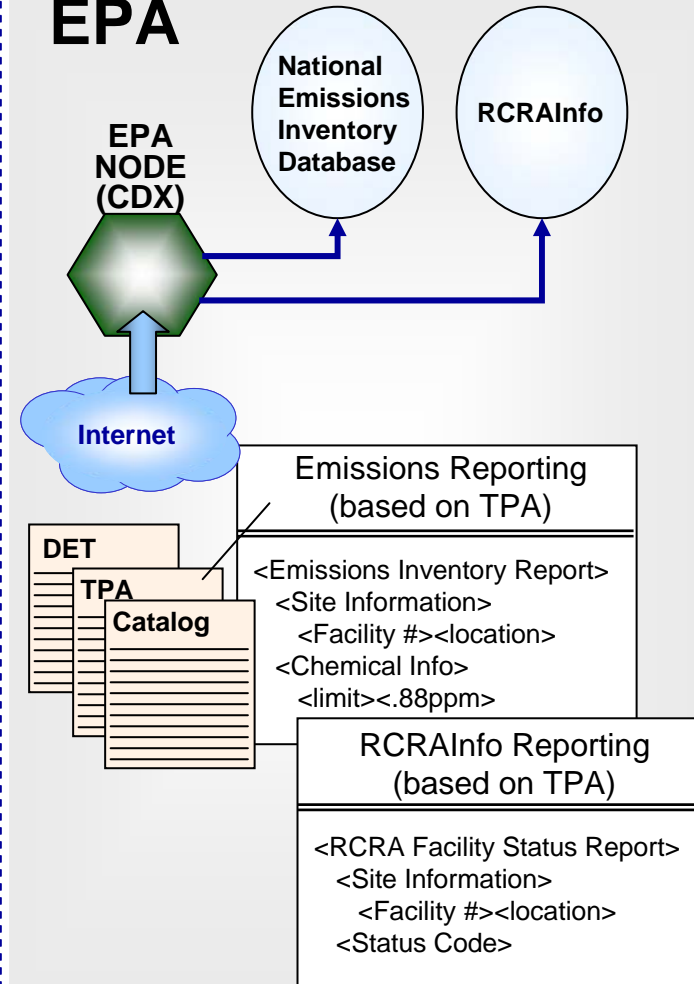
# How the pieces fit together

## State Environmental Department



State systems may or may not be integrated.

## EPA



# Why do we need a Registry?

---

- The Exchange Network key components need to be managed for version control and sharing
  - ◆ XML Schema /DET Templates that are used to flow data
  - ◆ WSDL Files – the methods that sit on a functioning Network Node
  - ◆ Node Configuration Files – Freeware for installing a functioning Network Node
- Want to ensure partners are using the correct schema and are informed of changes

# How did we build the Registry?

---

- Technical Resource Group (TRG) – completed a requirements analysis for all functionality needed and desired
  - Unfortunately, the current market hasn't “demonstrated” Registry software to meet all requirements
  - Until market catches up, TRG offered an interim solution to meet minimum requirements that would utilize an existing framework.
  - Interim solution utilizes exchange network website ([www.exchangenetwork.net](http://www.exchangenetwork.net)) and the existing U.S. EPA, Environmental Data Registry (EDR).

# Exchange Network Registry (cont'd)

XML Registry - Microsoft Internet Explorer

Address: [http://oaspub.epa.gov/emg/xmlsearch\\$.startup](http://oaspub.epa.gov/emg/xmlsearch$.startup)

Exchange Network.Net

CALENDAR PARTICIPANTS CONTACTS FAQs

## XML Registry

Welcome to the interim XML Registry for the Environmental Information Exchange Network. This Registry will provide the capability to share information about XML Data Exchange Template (DETs), XML Schemas, Namespaces, WSDL files, and other supporting files needed to map data flows between partners. The Registry will contain information about schemas approved for use on the Network, as well as information about schemas under development. In time, the XML Registry will provide a clearinghouse for information related to data flows on the Network.

## Data Submission

Registration of new schema information in the interim XML Registry can be done using a spreadsheet data template. Below is the draft data input template and an example template for FRS schema data.

- [Draft Data Template \(.xls\)](#)
- [Data Template with Example FRS Schema Data \(.xls\)](#)

To submit new information please contact: Larry Fitzwater via email at [fitzwater.larry@epa.gov](mailto:fitzwater.larry@epa.gov) or at 202-566-1653.

XML Registry - Microsoft Internet Explorer

Address: [http://oaspub.epa.gov/emg/xmlsearch\\$.startup](http://oaspub.epa.gov/emg/xmlsearch$.startup)

## XML Object Search

A complete list of registered [DETs/XML Schemas](#) for major Network data flows are available. XML Object Search can access all information in two ways:

- To search for a specific word or phrase, enter text (e.g., water) or a text string (e.g., Water Quality) in the keyword field. The search will query all XML object types, unless a specific XML object type (e.g., XML Schema) is selected from the pull-down list. The keyword portion of the XML object search queries all text fields (e.g., name, acronym, abstract, etc.).
- To obtain a complete list of XML Objects by type (e.g., XML Schema), select type from the pull-down list and leave the keyword field blank.

Keyword:

Search Options:  Containing  Beginning With  Exact Match

Type:

Exchange Network

This web site is owned by USEPA. Send email to [webmaster@exchange-network.com](mailto:webmaster@exchange-network.com) with questions or comments about this web site.

# Exchange Network Registry (cont'd)

XML Object List :- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Mail Print Mailbox RSS

Address [http://oaspub.epa.gov/emg/portal.xml\\_query](http://oaspub.epa.gov/emg/portal.xml_query) Go Links >>

Environmental Information  
**exchange Network**

*ExchangeNetwork.Net*

CALENDAR PARTICIPANTS CONTACTS FAQS

**Search for XML Objects containing "Facility"**

Click on a name to obtain detailed information.

Name	Type
<a href="#">EDWR_PWSFacility_v1.xsd</a>	XML Schema
<a href="#">FACID_FacilitySiteAllDetails_v2.1.xsd</a>	XML Schema
<a href="#">FACID_FacilitySiteAll_v2.1.xsd</a>	XML Schema
<a href="#">FACID_FacilitySiteDataType_v2.1.xsd</a>	XML Schema
<a href="#">FACID_FacilitySiteDetails_v2.1.xsd</a>	XML Schema
<a href="#">FACID_FacilitySiteList_v2.1.xsd</a>	XML Schema
<a href="#">Facility Registry System Schema</a>	Registry Package

Records 1 to 7 of 7

**Exchange Network**

This web site is owned by [NSB](#). Send email to [webmaster@exchangenetwork.net](mailto:webmaster@exchangenetwork.net) with questions or comments about this web site.

Environmental Information  
**exchange Network**

Start XML Object List :- Mic... Inbox - Microsoft Outlook Microsoft PowerPoint - [...] Document1 - Microsoft ... Internet 11:14 AM



# Exchange Network Registry (cont'd)

---

- What type of data is managed
  - Meta data related to XML Schema
  - XML schema files (individuals) and packages (e.g., complete FRS XML Schema Package)
  - Supporting documentation for XML schema (e.g., fact sheets, read me files, state experiences)
  - WSDL files for Node functions (coming soon)
  - Demonstrated Node Configuration Software (coming soon)

# Demonstration

---

- Demonstration of the Exchange Network Registry

# Contacts

---



Molly O'Neill

Environmental Council of the States

(202) 624-3507

moneill@sso.org

[www.exchangenetwork.net](http://www.exchangenetwork.net)