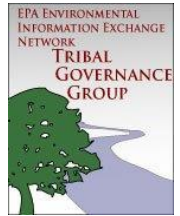




# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## WEDNESDAY, FEBRUARY 4

**8:30 am – 10:00 am**      **Opening Session**      **Ocotillo Room**  
**Invocation**  
**Welcome & Overview**

- Gila River Indian Community's Councilman Robert Stone
- NEIEN Tribal Governance Group (TGG)
- ITEP's NEIEN Project

**Attendee Introductions**

**10:00 am – 10:30 am**      **Break**

**10:30 am – 12:00 pm**      **Introduction to the Exchange Network**      **Ocotillo Room**

- **Exchange Network 101** (Doug Timms, Open Environment)
- **Exchange Network Grants** (Salena Reynolds, US EPA, via web)
- **Grants & Funding: Tribal Panel Discussion**  
*Tribal panelists include: Frank Harjo, Muscogee/Creek; BryAnna Vaughan, Bishop Paiute; Nelletta Aguilar, Walker River Paiute; Ondrea Barber, Gila River*
- **National Tribal Organization Representatives**  
*Tribal panelists include: Alex Cabillo, Hualapai Tribe and National Tribal Caucus; Deputy Director Robert Holden, National Congress of American Indians*

**12:00 pm – 1:15 pm**      **Lunch (on your own)**

## What do you need to succeed with the **Exchange Network**?

ITEP's work with the TGG will help support tribes involved in the Exchange Network through several mechanisms. Our website ([www.tribalexchangenetwork.org](http://www.tribalexchangenetwork.org)) and newsletter will offer a variety of **resources** and **tools** (such as videos, templates, guides, etc.) designed to help tribes; our **annual conference** will feature presentations, workshops, and other sessions relevant to tribes; we will help tribes identify suitable **mentors** to help them address difficulties encountered and accomplish project goals.

**Interested in becoming a mentor or in need of mentorship?** Fill out our online request form or drop off a request card at the registration table and let us know. As a bonus, anyone who submits a request during the Conference will be entered into a raffle drawing! Visit the registration table for details.

**We need your input to make sure our efforts are relevant and helpful!** Leave a suggestion box at the registration table, Fill out the Tribal Exchange Network Questionnaire (in the conference folder or online), and submit your final conference evaluation form. Let us know what we can do to help you!



Scan this code with your smartphone to go to the **Tribal EN Mentorship Form!**

(also at: <http://goo.gl/HhDrLm>)

Scan this code with your smartphone to go to the **Tribal EN Questionnaire!**

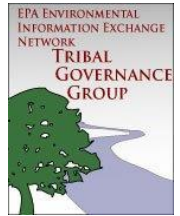
(also at: <http://goo.gl/pPt6eR>)





# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## WEDNESDAY, FEBRUARY 4

~ CONCURRENT SESSIONS ~  
1:15 pm – 4:15 pm

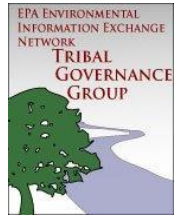
### Presentations (Ocotillo Room)

- 1:15-1:45 **Gila River Indian Community's Experience with Node Implementation** (Leroy Williams & Henria Oropeza, Gila River Indian Community)  
*The GRIC Air Quality Program implemented a Node to share air quality data, which primarily included the development of the Air Quality System (AQS) Exchange node-to-node data exchange system. An essential network security infrastructure was implemented in order to send network exchanges through the GRIC node. In addition, training documentation was developed for other departmental programs to learn from and potentially use elements from the data. Through the node implementation activities, GRIC personnel experienced hands-on familiarity with the EN data sharing processes.*
- 1:45-2:15 **Update on Seldovia Village Tribe's Network Node/Spatial Viewer** (Tracie Merrill & Michael Opheim, Seldovia Village Tribe)  
*This presentation will discuss Seldovia Village Tribe's (SVT) network node/spatial viewer. Participants will learn about SVT's publicly accessible data, the capabilities and features of SVT's network node/spatial viewer, the multi-stage approach taken in development, and about challenges faced by Alaska tribes in Exchange Network participation.*
- 2:15-2:45 **FloodWise: A Flash Flooding Emergency Management Tool** (Dave Gilbey, Aquatic Informatics)  
*When faced with flash flooding, time is of the essence. However, getting the right information to the right people can be challenging. The FloodWise system, based on the AQUARIUS software suite, allows the Brisbane City Council emergency and field staff to take action as soon as possible. The system monitors real-time telemetry gauges across Brisbane and provides the current readings on a web portal.*
- 2:45-3:15 **Break**
- 3:15-3:45 **TReX: Tribal Environmental Information Exchange** (Nelletta Aguilar, Walker River Paiute Tribe; Mark Sutherland, Meteostar)  
*This presentation will discuss what the TReX program has to offer to tribes with continuous PM air and water monitor data, which is then published on the TREX-Net public website for use by member tribes and the public. Additionally, it is capable of exporting data for import into the WQX and AQS web services, provides support to edit and create AQS reports, provides training to member tribes, and provides oversight and technical support for the remote monitoring stations.*
- 3:45-4:15 **Northeast Oklahoma Tribes Exchange Network** (Garet Couch, Wind Environmental Services)  
*This is a collaborative environmental exchange project built on ArcGIS Server and Microsoft SQL Server. The node supports the following tribes, located in Northeast Oklahoma: Eastern Shawnee Tribe, Wyandotte Nation, Ottawa Tribe, Seneca Cayuga Tribe, Peoria Tribe, and the Miami Nation. The purpose of the exchange node is to give the participating tribes a central data repository where collective analysis and modeling of the data can take place. Currently the node is supporting the participants' water quality data and there are future plans to expand to accommodate other parameters.*



# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## WEDNESDAY, FEBRUARY 4

### Workshops (Ironwood Room)

**1:15-2:45 Getting Started with AWQMS/WQX, Including Data Analysis, Part I** (Mark LeBaron, AWQMS/Gold Systems)

*The Ambient Water Quality Monitoring System is currently in use by 60+ tribes to consolidate, QA/QC, manage, and analyze their surface water quality data. These tribes also use AWQMS to submit their data to the EPA's Water Quality eXchange (WQX) via a built-in "Node Client".*

*This workshop will cover the following:*

- Review the WQX "big picture" and how AWQMS fits in.
- Import some new data into AWQMS
- Manually enter some data using an AWQMS Rapid Entry Form
- View/find the new data in AWQMS
- Fix a data point in AWQMS
- Use the AWQMS data analysis tools to run statistics on, graph, and map new data.
- Mock-submit the new data to the Water Quality eXchange.

*Trainees should bring their own Internet WiFi enabled laptop with reasonably up-to-date Web browser software such as Microsoft Internet Explorer or Google Chrome.*

2:45-3:15

**Break**

**3:15-3:45 Getting Started with AWQMS/WQX, Including Data Analysis, Part II**

**3:45-4:15 Using Data Management Tools for Collection Validation and Reporting of Ambient Air Monitoring Data** (Andreas Quijano, American EcoTech)

4:15 pm – 5:00 pm

**Sponsor Presentations**

**Ocotillo Room**

**Gold-Level:** Agilaire & Open Environment  
**Platinum-Level:** AWQMS/Gold Systems

5:00 pm – 7:00 pm

**Poster Session and Vendor-Sponsored Reception** Ocotillo Room Foyer

*Come browse tribal posters and vendor booths while enjoying light refreshments and visiting with other conference-goers!*



**MeteoStar**  
A Division of Sutron



**WINDSOR SOLUTIONS**

Environmental +  
Health Information  
Systems

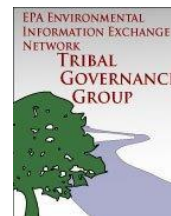
**goldsystems**  
INNOVATION THROUGH TECHNOLOGY

**open-environment.org**



# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## THURSDAY, FEBRUARY 5

~ CONCURRENT SESSIONS ~

8:30 am – 12:00 pm

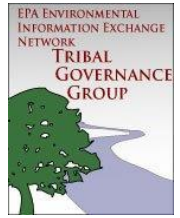
### Presentations (Ocotillo Room)

- 8:30-9:00 Collaborating on a Joint-Tribal WQX Project with Other Tribes in Oklahoma** (Darren Shields, Kickapoo Tribe of Oklahoma; Frank Harjo, Muscogee (Creek) Nation)  
*This presentation will discuss project challenges to seek a solution for hosting with nine other tribes for water quality data management and WQX submission to EPA. This project was approved and guided by the Region 6 RTOC.*
- 
- 9:00-9:30 Cherokee Nation Exchange Network Project** (April Hathcoat, Cherokee Nation)  
*A brief history and overview of the CNEP Air Monitoring program will be provided, as well as a description of the data acquisition systems used for storing our air monitoring data. CNEP currently uses two different systems (Airodis and AirVision) for storing, evaluating, and submitting air monitoring data to the EPA Air Quality System (AQS). Both systems are also used to submit hourly data to AirNow. A plug-in has been developed to allow submittal of data directly from AirVision through the node using OpenNode 2; CNEP is in the process of installing the updated plug-in.*
- 
- 9:30-10:00 Utilizing Web Services and Open Source Coding to Analyze and Retrieve Tribal Water Quality Data Submitted via the Water Quality eXchange (WQX)** (Charles Kovatch and Laura Shumway, US EPA)  
*This presentation will discuss the WQX data flow, the status of tribal data holdings, the use of new open source tools, and demonstrate the use of web services in tribal reporting tools.*
- 
- 10:00-10:30 Break**
- 
- 10:30-11:00 Build Once, Use Many Times: Is it an effective model?** (Kevin Lyons, Windsor Solutions)  
*There are a number of great examples of how tribes have built a solution and then leveraged that solution many times over. As each new participant joins the user base, the solution is further improved and reinforced. The study will explore the benefits and considerations for such a model as well as some of the potential pitfalls and challenges.*
- 
- 11:00-11:30 Overview of EJSCREEN: EPA's New Environmental Justice Screening and Mapping Tool** (Matthew Tejada, US EPA, via web)  
*This presentation will provide an overview of EJSCREEN, the environmental justice screening tool used by EPA to provide a nationally consistent dataset and methodology for highlighting places that may warrant further review or enhanced engagement. EJSCREEN provides color-coded maps and standard data reports, which show how a selected location compares to the rest of the nation, EPA region, or state.*
- 
- 11:30-12:00 The Importance of Data Sharing to Protect Natural Resources: Ongoing Process of Collaborating on Clear Lake** (Sarah Ryan, Big Valley Rancheria)  
*The Big Valley Band of Pomo Indians is working on a Clear Lake data exchange to have information from multiple jurisdictions be available in one location. Without data collaboration, some data is getting lost, which is impacting the Tribe's ability to address impaired water bodies. The presentation will discuss the Tribal-led cyanotoxin monitoring in Clear Lake, the complexities and obstacles of data sharing, and some of the potential fixes.*



# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## THURSDAY, FEBRUARY 5

### Workshops (Ironwood Room)

**8:30-9:30 How to Build and Use Custom Rapid Data Entry Forms in AWQMS** (Dave Wilcox, AWQMS/Gold Systems)

*In this workshop we will train attendees on how to identify and fix problems in their water quality data in AWQMS using the new AWQMS QA/QC Mass Data Change Tool.*

*This workshop will cover the following:*

- Certain common problems we see while assisting tribes with their water quality data.
- Why is a QA/QC Mass Data Change Tool needed and what problems does it solve?
- Overview of the old way of fixing such data problems.
- Overview of the new way of fixing data problems in AWQMS.
- Step by step exercises for fixing data using the new tool.

*Trainees should bring their own Internet WiFi enabled laptop with reasonably up-to-date Web browser software such as Microsoft Internet Explorer or Google Chrome.*

**9:30-10:00 How to Use the New AWQMS QA/QC Mass Data Change Tool** (Ryan Jorgensen, AWQMS/Gold Systems)

*In this workshop we will train attendees on how to build and use custom Rapid Data Entry forms in AWQMS in order eliminate the time and effort normally required to transcribe data from paper or .pdf files into a formatted data file and then to import that data into AWQMS (or WQX Web).*

*This workshop will cover the following:*

- Why are rapid entry forms needed?
- Overview of some data needing to be entered.
- Comparison of the old way VS the Rapid Data Entry forms.
- Step by step exercise of building a Rapid Data Entry form to accommodate the data.
- Using the Rapid Data Entry form to enter some data.

*Trainees should bring their own Internet WiFi enabled laptop with reasonably up-to-date Web browser software such as Microsoft Internet Explorer or Google Chrome.*

10:00-10:30

**Break**

**10:30-12:00 AWQMS Custom Import Configurations (also applies to WQX Web)** (Alex Heppner, AWQMS/Gold Systems)

*In this workshop we will create a custom import configuration that makes AWQMS accommodate the data files, rather than having to modify each new data file to fit a preconceived template.*

*This workshop will cover the following:*

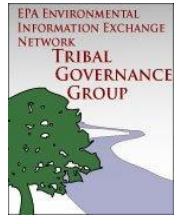
- Review the benefits of using custom import configurations.
- Contrast the typical VS custom approaches
- Review a complex data file - what about it is so complex?
- Go through a step by step exercise to build a custom import configuration that allows AWQMS to import the complex data file.

*Trainees should bring their own Internet WiFi enabled laptop with reasonably up-to-date Web browser software such as Microsoft Internet Explorer or Google Chrome*



# TRIBAL EXCHANGE NETWORK CONFERENCE AGENDA

February 4-5, 2015  
Gila River Indian Community, Arizona



## THURSDAY, FEBRUARY 5

12:00 pm – 1:30 pm Lunch (on your own)

---

1:30 pm – 2:15 pm **Virtual Nodes** **Ocotillo Room**

- **Virtual Nodes** (Chris Clark, US EPA, via web)
- **Hualapai Tribe's Experience with the Virtual Node** (Alex Cabillo & Joseph Montana, Hualapai Tribe)

---

2:15 pm – 2:45 pm **The Future of the Exchange Network** **Ocotillo Room**

- **The Future of the Exchange Network** (Kurt Rakouskas, Exchange Network)
- **E-Enterprise** (Shana Harbour, US EPA)

---

2:45 pm – 4:00 pm **Closing Plenary Session** **Ocotillo Room**

- **ITEP's Tools and Services for Tribes** (Lydia Scheer & Melinda Ronca-Battista, ITEP)
- **Open Forum on the TGG and Tribal EN**
- **Closing Remarks & Invocation**

---

~ ~ ~

4:00 pm – 6:00 pm **Optional Site Visits (limited seating available; sign-up during the Conference)**

- *Gila River Indian Community's Wetland Restoration Site*
- *Gila River Indian Community's Ambient Air Monitoring Site*

---

~ ~ ~

**Thank you for joining us for the 2015 Tribal EN Conference! We hope you found what you were looking for and, if not, that you will let us know by submitting the evaluation form after the conference.**

*Evaluation forms are included in your folder, or can be accessed online at the website below.*

**Please visit the Conference website to download presentations from this year's event.**

[www.tribalexchangenetwork.org/](http://www.tribalexchangenetwork.org/)