



ENVIRONMENTAL LAW INSTITUTE®

AN INDEPENDENT, NON-PARTISAN ENVIRONMENTAL EDUCATION AND POLICY RESEARCH CENTER.

WATER QUALITY DATA MANAGEMENT MEETING

National Conservation Training Center
Shepherdstown, West Virginia
May 30 - June 1, 2018

AGENDA

**This project is made possible through a cooperative agreement with the
United States Environmental Protection Agency**

AGENDA

Tuesday, May 29

Arrival, Check-In, and Registration

2:00 pm – 8:00 pm NCTC Check-In and Training Workshop Registration
Main Lodge

6:00 pm – 7:30 pm Dinner
Commons Dining Room

8:00 pm – 9:00 pm Informal Welcome
Murie Lodge, Lounge Area

Wednesday, May 30

6:30 am – 8:30 am Breakfast (Open)

8:30 am – 9:00 am **Welcome, Introductions, and Meeting Overview**
201 Instructional East

9:00 am – 10:00 am **Session #1**
The First Year of ATTAINS Discussion
201 Instructional East

EPA staff will lead a discussion on the lessons from the first year of the new ATTAINS, from what has worked to what should be addressed before the 2020 Integrated Report (IR) cycle.

10:00 am – 10:30 am Morning Break

10:30 am – 12:00 pm **Session #2a**
Data Integration Forum I
201 Instructional East

Missouri's Approach to Automating Assessments

Robert Voss, MO

New Jersey's Automated Assessment Process Using R

Jack Pflaumer, NJ

Improving Assessments with Arizona

Jason Jones, AZ

Potential Discussion Questions:

- Does your State house much of your water quality data in one central database? If not, how do the different databases interact? Do you make use of the Water Quality Portal, and if so, how?
- What tools do you use now (e.g., commercial products, R, Microsoft Access, etc.)?
- How does your State incorporate non-State agency data?

12:00 pm – 1:00 pm Lunch

1:00 pm – 2:30 pm **Session #2b**
Data Integration Forum II
201 Instructional East

Ecology's Tools for Acquiring, Assessing, and Displaying Water Quality Data

Jennifer Carlson, WA

Connecticut Public Engagement Overview

Walter Tokarz, CT

Interactive Data Visualization and Engagement Tools for Utah Waterbodies

Jake VanderLaan, UT

Potential Discussion Questions:

- How do you engage your stakeholders in the process when you are developing something new?
- How do you collect feedback on the topics you are trying to convey?
- What is your plan for continuing to collaborate with stakeholders after your project is completed?
- How are you communicating on the work that you are doing?

2:30 pm – 3:00 pm

Afternoon Break

3:00 pm – 4:00 pm

Session #3

How to Develop Story Maps for the IR

G30 Instructional East

Dustin Shull of Pennsylvania DEP will introduce both ESRI Story Maps and more technical Open Source Code Reports available for use by States during the IR process. Participants will learn about the skills, software, and resources needed to create a digital IR and transition fully towards electronic reporting.

4:00 pm – 5:00 pm

Session #4

ATTAINS Services

G30 Instructional East

EPA staff will present and lead discussion on the existing ATTAINS services, how to access and use them, ways to make them more user-friendly, and potential additional services.

6:00 pm – 7:00 pm

Dinner

7:00 pm – 10:00 pm

Bonfire

Thursday, May 31

6:30 am – 8:30 am Breakfast
Commons Dining Room

8:30 am – 9:30 am **Session #5a**
Small Group Training I
Breakout Rooms, Various Locations

This session will consist of five distinct trainings, each focusing on a different topic. Each participant is assigned to a training based on his/her topic preference expressed prior to the training workshop.

- ATTAINS User Interface I: Data Entry and Batch Upload [1st half]
- Water Quality Portal Data Discovery and Data Analysis Tools
- Alternatives
- The IR Transition
- Citizen Science

9:30 am – 10:00 am Morning Break

10:00 am – 11:00 am **Session #5b**
Small Group Training II
Breakout Rooms, Various Locations

This session will consist of five distinct trainings, each focusing on a different topic. Each participant is assigned to a training based on his/her topic preference expressed prior to the training workshop.

- ATTAINS User Interface I: Data Entry and Batch Upload [2nd half]
- Managing Large Datasets with R
- Monitoring
- Litigation Update
- Modeling

11:15 am – 12:15 pm **Session #5c**
Small Group Training III
Breakout Rooms, Various Locations

This session will consist of six distinct trainings, each focusing on a different topic. Each participant is assigned to a training based on his/her topic preference expressed prior to the training workshop.

- ATTAINS User Interface II: The IR Cycle Promotion and EPA Review
- ATTAINS for Managers
- Open Forum: Bacteria
- Stressor Identification
- Protection
- CWA 303(d) TAS

12:15 pm – 1:15 pm	Lunch Commons Dining Room
1:15 pm – 3:00 pm	<p>Session #6 Regional Meetings and Additional Trainings Breakout Rooms, Various Locations</p> <p>This session will consist of 6 regional meetings, one for each of EPA Regions 3, 4, 5, 6, 9, and 10, each with the state, tribal, territorial, and EPA participants from that region. Participants from EPA Regions 1, 2, 7, and 8 will participate in one of the following trainings based on their respective preferences expressed prior to the training workshop:</p> <ul style="list-style-type: none"> • A Combination of the ATTAINS I, ATTAINS II, and ATTAINS for Managers Trainings (Demo Only) • Monitoring & Modeling (consecutively)
3:00 pm – 3:30 pm	Afternoon Break
3:30 pm – 5:00 pm	<p>Session #7 Geospatial Training G30 Instructional East</p> <p>EPA staff will first demo several online and available tools and then host a problem-solving session during which participants can share their spatial data challenges and the group will work together to brainstorm solutions in real time with the tools at their disposal.</p>
6:00 pm – 7:00 pm	Dinner
7:30 pm – 8:30 pm	<p>Informal Evening Sessions</p> <ul style="list-style-type: none"> • <i>Navigating Measures in Today's EPA</i> Ding Darling Lodge, Lounge Area • <i>Identifying Training and Resource Needs</i> Murie Lodge, Lounge Area

Friday, June 1

6:30 am – 8:30 am Breakfast
Commons Dining Room

8:30 am – 10:00 am **Session #8**
Communication
Auditorium

Introduction

Stephanie Santell, EPA HQ

Citizen Science and Technology: There's An App For That!

Jade Dickens, AZ

Story Map: Looking Below the Surface & Draft 2018 Pennsylvania Integrated Water Quality Monitoring and Assessment Report

Dustin Shull, PA

Communicating with the Public via BAGs and WAGs

Amy Steimke & Graham Freeman, ID

Potential Discussion Questions:

- In what ways has your jurisdiction sought to facilitate two-way communication with stakeholders (receiving as well as providing information) through digital means, and with what results?
- In what ways has your jurisdiction sought to improve the effectiveness of documents (digital or physical copies) in conveying information, and with what results?
- What in-person communications, from presentations, to standing meetings, to water fairs or a booth at an event, have been effective in reaching desired audiences?

10:00 am – 10:30 am Morning Break

10:30 am – 11:30 am **Session #9**
How's My Waterway?
Auditorium

Telling the Water Story

Dwane Young, EPA HQ

Kiki Schneider, EPA HQ

11:30 am – 12:00 pm **Training Workshop Wrap-Up**
Auditorium

Summary and Next Steps

Dwane Young, EPA HQ
Jim Havard, EPA HQ
Adam Schempp, ELI

Send-Off Remarks

Traci Iott, CT

12:00 pm – 12:45 pm Lunch
Commons Dining Room

NCTC Check-Out & Departure

1:00 pm Departure of Shuttle Bus for Dulles Airport
Murie Lodge, Parking Lot