

2022 Shale Network Workshop Agenda

Ten Years of Unconventional Resource Development: Lessons Learned and Future Directions

May 12–13, 2022

The Graduate State College, 125 S Atherton St, State College, PA 16801

Workshop Organized and/or Sponsored By:

National Science Foundation, Penn State (Earth and Environmental Systems Institute; Marcellus Center for Outreach and Research),
University of Pittsburgh, Syracuse University, Evergreen Conservancy, PA Department of Environmental Protection (PA DEP),
Seneca Resources, Oak Ridge Associated Universities

Thursday, May 12, 2022

8:30 a.m. – 4:30 p.m.

Field trip visit to Seneca Resources near Wellsboro

****Those who *already* registered for the field trip should meet at the Calder Alley side of the hotel by 8:15 a.m. to depart at 8:30 a.m.****

*****All Sessions are in the Coaly Ballroom at The Graduate State College unless noted otherwise*****

5:30 – 6:30 p.m.

Registration

Lower Lobby

5:30 – 7:30 p.m.

Ice Breaker & Poster Session

1855 Lobby & Lobby 1

Poster presenters: please leave posters up overnight for Friday lunch session

7:30 – 9:00 p.m.

Group Discussion on Lessons Learned and Future Directions

Coaly Ballroom

Moderators: Jenn Baka and Dave Yoxheimer (Penn State University):

Nicole Deziel (Yale University), Adam Peltz (Environmental Defense Fund), Dave Callahan (Marcellus Shale Coalition), Jessica Shirley, PA Dept of Environmental Protection

Friday, May 13, 2022

*****All Sessions are in the Coaly Ballroom at The Graduate State College unless noted otherwise*****

7:15 a.m.

Registration

Lower Lobby

7:30 a.m.

Continental Breakfast and Poster Setup

Outside Coaly Ballroom

Speakers, please upload talks before session starts

Poster presenters: put posters up in 1855 Lobby or Lobby 1 before 8:00 a.m. and remove promptly by 5:00 p.m.

8:00 a.m.

Workshop Overview

Jennifer Baka, Tao Wen (Syracuse University)

SESSION 1: DATA KNOWLEDGE, NEEDS AND GAPS

Moderator: Tao Wen

8:20 a.m.

Data Knowledge 1: Methane Emissions

Mary Kang (McGill University)

8:40 a.m.

Data Knowledge 2: Unconventional Oil and Gas Development and Water Impacts

Sam Shaheen (Penn State University)

9:00 a.m.

Data Knowledge 3: Citizen Science Talk

Matt Kelso (FracTracker Alliance)

9:20 a.m.

Data Knowledge 4: Surface Water Impacts Using Shale Network Database

Christian Leuz (University of Chicago)

9:40 a.m.	Panel Discussion
10:00 a.m. <i>Outside Coaly Ballroom</i>	Coffee Break
SESSION 2: IMPACTS & RESPONSES <i>Moderator: Radisav Vidic (University of Pittsburgh)</i>	
10:20 a.m.	Impacts & Response 1: Wastewater Spills <i>Denise Akob (US Geological Survey, [USGS])</i>
10:40 a.m.	Impacts & Response 2: Air <i>Ken Davis (Penn State University)</i>
11:00 a.m.	Impacts & Response 3: Community Impacts <i>Alison Steele (Environmental Health Project)</i>
11:20 a.m.	Impacts & Response 4: Wastewater Management <i>Amanda Veazey (Seneca Resources)</i>
11:40 a.m.	Panel Discussion
12:00 – 1:00 p.m. <i>Outside Coaly Ballroom</i>	Reception-Style Lunch and Poster Session <i>Afternoon speakers, please upload talks</i>
SESSION 3: ABANDONED AND LEGACY WELLS <i>Moderator: Amanda Veazey</i>	
1:00 p.m.	Abandoned and Legacy Wells 1: Well Plugging <i>Harry Wise (PA Dept of Environmental Protection)</i>
1:20 p.m.	Abandoned and Legacy Wells 2: Well Plugging Mechanics <i>Luke Plants (Plants & Goodwin)</i>
1:40 p.m.	Abandoned and Legacy Wells 3: Orphaned and Abandoned Well Plugging <i>Curtis Shuck (Well Done Foundation)</i>
2:00 p.m.	Panel Discussion
2:20 p.m. <i>Outside Coaly Ballroom</i>	Coffee Break
SESSION 4: FUTURE DIRECTIONS <i>Moderators: Cindy Rogers (Evergreen Conservancy) and Jenn Baka</i>	
2:40 p.m.	Future Directions 1: Shale and Renewable Energy Intersections <i>Dave Yoxtheimer (Penn State University)</i>
3:00 p.m.	Future Directions 2: Regional Greenhouse Gas Initiative (RGGI) <i>Emily Pakhtigian (Penn State University)</i>
3:20 p.m.	Future Directions 3: Environmental Justice <i>Justin Dula (Dept. of Environmental Protection, Office of Environmental Justice)</i>
3:40 p.m.	Future Directions 4: Health <i>Dr. Longxiang Li (Harvard University)</i>
4:00 p.m.	Panel Discussion
	Wrap Up Plenary Discussion: What Do We Need to Do Next? <i>Tao Wen, Radisav Vidic, Jennifer Baka</i>
4:20 p.m.	Assessment and Adjournment <i>Poster presenters, please remove your posters promptly</i>