



Welcome to:

# Identifying and Prioritizing Research and Programmatic Needs in the Detection, Mitigating, and Remediating PFAS in Agriculture and Food Systems

*A collaboration between USDA ARS - Center of Excellence for Environmental Monitoring and Mitigation and the University of Maine.*



The meeting will consist of **presentations, breakout sessions, and read-outs** designed to facilitate communications and solution development for problems that fall into **eight broad conceptual areas** where PFAS impacts in agriculture. Those areas are:

Abatement, Data, Environment, Food, Livestock, Materials, Plants, Socio-economic



## (Day 1) Overview of PFAS Progress Stories and Critical Challenges

<https://www.zoomgov.com/j/1609738821>



### 8:00 to 8:45 am: **Opening Remarks and Welcome!**

Simon Liu, Greg Jaffe, Diane Rowland, Joan Ferrini-Mundy, Dave Knaebel

(In person attendees: please sign up for breakout sessions at the registration desk)

### **PFAS Progress Stories and The Speaker's Most Important PFAS Challenge 8:45 - 12:25**

- PFAS Fate in Agricultural Systems (Environment)– 8:45 (Linda Lee -Purdue)
- PFAS in food animals (Livestock)– 9:10 (David Smith - ARS)
- Underestimated human exposure to fluoroethers through garden produce near a fluorochemical manufacturer in North Carolina (Plants)– 9:35 (PingPing Meng – ECU [remote])
- PFAS and Seafood: Success Stories and Challenges (Food)– 10:00 (Stacey Wiggins – FDA)
  - **10:35-10:45 Break**
- Testing PFAS in food packaging: progress and challenges (Materials) – 10:45 (Yelena Sapozhnikova – ARS)
- Agriculturally Relevant PFAS Abatement Technologies - 11:10 (Daniel Ashworth – ARS)
- Economic and Social Impacts of PFAS on Farming Communities. – 11:35 (Beth Valentine - State of Maine)
- SAWGraph: A knowledge graph approach for assembling and linking PFAS Data– 12:00 (Ganga Hettiarachchi – KSU and Torsten Hahmann – U Maine)



Lunch - 12:30 – 1:30 – and EPA PFAS Biosolids Risk Assessment (Sophie Greene – EPA) <https://www.zoomgov.com/j/1618734742>



Current and Emerging PFAS Challenges for Agriculture– 1:30 – 4:45 (Magnitude, Urgency, Feasibility) <https://www.zoomgov.com/j/1602249237>

- Environmental PFAS – 1:30 (Clinton Williams – ARS)
- PFAS Challenges in Agricultural Production: Livestock– 1:55 (Sara Lupton – ARS)
- PFAS and agriculturally relevant crops and other Plants – 2:20 (Shaun Curtin – ARS)
- PFAS and Food production – 2:45 (Alex Domesle – FSIS)
- Post processing: challenges addressing replacing PFAS in food packaging and fabrics (Materials) – 3:10 (Matt Hillyer – ARS)
- **3:35-3:50 Break**
- Socio-Economic impacts on farming communities 3:50 – (Caroline Noblet - U Maine)
- The *need* for: Assembling PFAS Data for Access and Use– 4:15 – (Diane Rowland – U Maine)
- 4:45 – 5:00 – **Day overview** – Special PFAS Information Request and Search Tool (Clinton Williams - ARS)
- **Adjourn for dinner.** Dinner is on your own.
- **7:00 to 8:30 pm** – Meeting rooms open for ad-hoc conversations for attendees (forming national formal PFAS topical working groups; human health effects of PFAS, Data visualization (digging deeper into SAWGraph). ***The groups that meet tonight and tomorrow will be asked to Share Outcomes on Thursday!***





## (Day 2) Digging into the PFAS Problem and Solution Discussions - Breakout group sessions and report out sessions.

(8:30) Break out group session - prioritize research to address challenges – those mentioned in presentations on Day 1 as well as others of priority to the attendees.

8:30 – 9:30 first gathering - The goal of this breakout session is to prioritize (1) the most important challenges, (2) which to address first (low hanging fruit) and (3) to discuss the likelihood of success (e.g., are technologies unavailable or not on the horizon to address those challenges?).

9:30-10:00 break

10:00 – 11:00 second gathering – continue to identify priority problems, as needed.

11:00 – 11:30 note takers/scribes compose brief statement for each problem area.

This breakout group session is the crux of this meeting; the problems articulated by each group may fall within the 8 conceptual area or may span them. But: the articulated problems will determine the direction of the rest of the meeting and provide the themes to the efforts envisioned by the participants – that lead to solution strategies to solve them.

12:00 – 1:00 Lunch - provided. Working Lunch meeting: Maine Leadership Lunch Panel discusses the University of Maine + USDA ARS Center of Excellence and highlights other efforts being led by Maine.

1:00 – 2:30 Large gathering session: Break out groups report out: their top priorities, binned as above. Discussion follows.

2:30 – 3:00 Break

(Activity) 3:00 – 4:30 Entire attendee population discusses and evaluates and then indicates their top 10 of the identified challenges across all 8 concept areas. Note: on this evening (Wednesday), the coordinating committee will assess the rankings/votes and evaluate if some of the problem statements in different concept areas have intersections. These will be assembled and shared with the attendees on Thursday morning.

We recognize that the articulated challenges may span conceptual areas and need transdisciplinary solutions. Following this organizational effort, the problems are expected to still be grouped into these eight categories. It is expected that there will be at 5 or more unique important problems per topic area.

4:30 – 5:00 Wrap up by coordinating committee team representatives.

Adjourn for Dinner. On your own.

7:00 to 8:30 pm – Meeting rooms open for ad-hoc conversations for attendees.

