

# **Environmental Restoration (ER) Technical Session PFASs: State-of-the-Art Research and Development in Sampling, Analysis, Treatment, and Effects**

**Co-Chairs:**

**Jennifer Field, Oregon State University**

**Elsie Sunderland, Harvard University**



# SERDP ESTCP Research Portfolio

**2011** *In-situ* groundwater remediation

**2015/16** Ecotoxicity

**2016/17** Fluorine-free foams, thermally enhanced oxidation/pump & treat

**2018** Source zones, ecorisk/assessing remediation, ion exchange and low energy electrical discharge plasma, life cycle comparison of ex-situ treatments

**2019** Analytical/sampling methods, mobile-lab based analysis, remedial technologies, source zone treatment

**2020** Biodegradation, passive sampling, leaching, forensics

**Result:** comprehensive research portfolio with national & international impact

# Schedule: Thursday December 5

Mr. Jason Speicher, NAVFAC

Dr. Jason Conder, Geosyntec

Dr. Graham Peaslee, Notre Dame

## **Break**

Dr. Medevovic Thagard, Clarkson U

Dr. David Major, Geosyntec

## **Closing Remarks**

# Thematic Questions Addressed Day 2

- Willow Grove case study (Speicher)
- What are the risks to wildlife at PFAS contaminated sites and what key data gaps need to be addressed? (Condor)
- Are we measuring all the relevant PFAS in environmental samples and what technologies exist to screen for new PFAS? (Peaslee)
- How can we remove PFAS from contaminated soils and water (Mededovic/Major)?