

DERP Forum

Strengthening Relationships with our Regulatory Partners

St. Louis, Missouri

May 8-9, 2019

SERDP & ESTCP Efforts in Support of the Cleanup Program

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SERDP & ESTCP

8 May 2019

DoD's Environmental Technology Programs



Strategic Environmental Research and Development Program

Science and Technology

- Fundamental research to impact DoD environmental land management
- Advanced technology development to address near-term needs



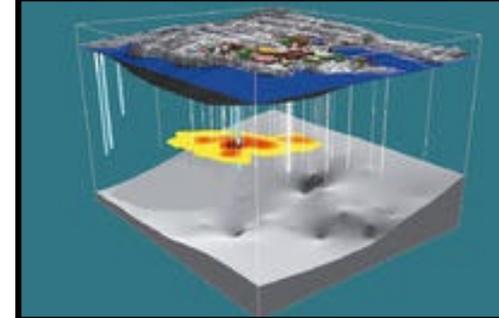
Environmental Security Technology Certification Program

Demonstration/Validation

- Innovative cost-effective environmental and energy technology demonstrations
- Promote technology implementation by direct insertion and partnering with end users and regulators

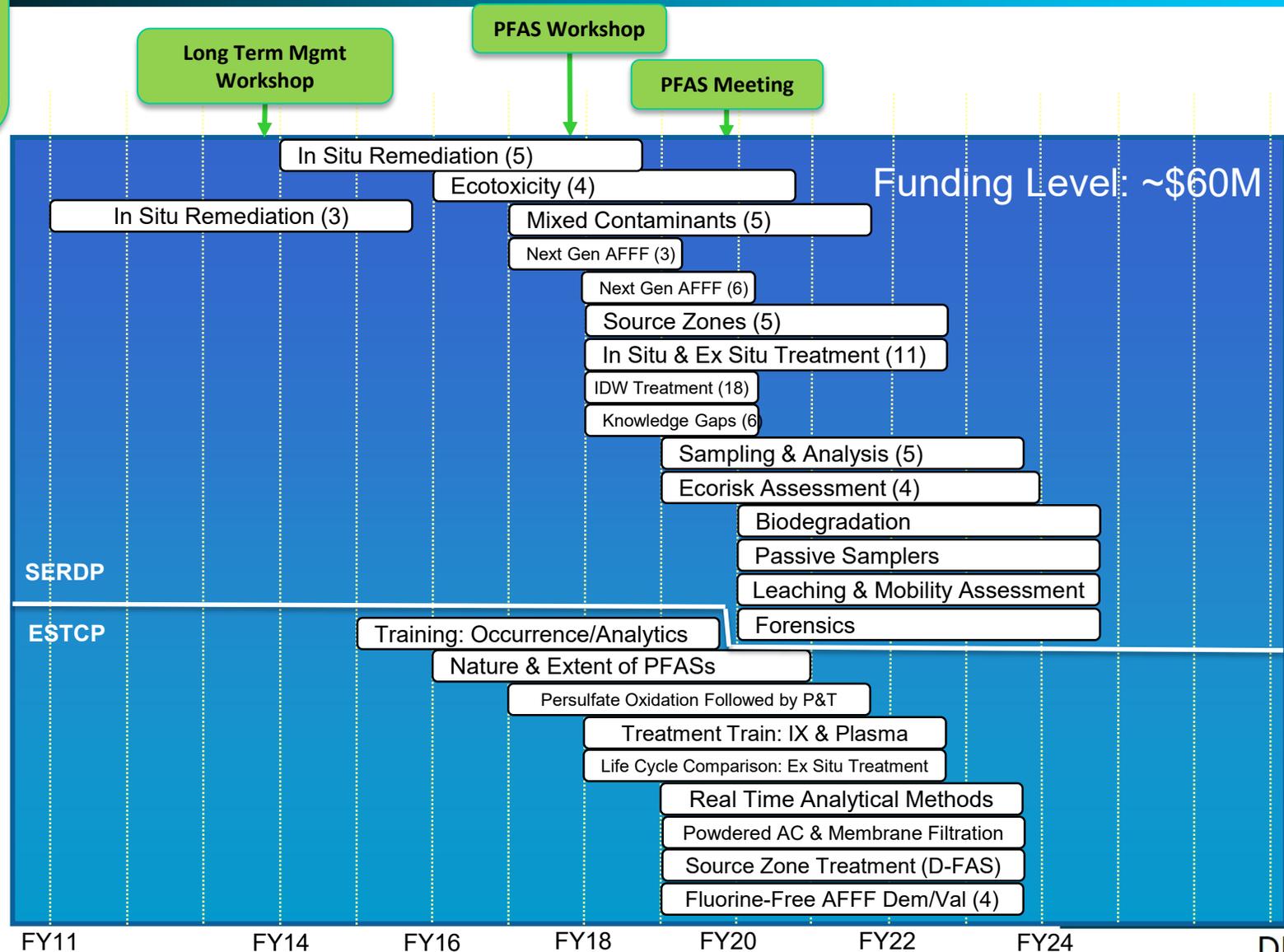
Program Areas

- **Energy and Water**
- **Environmental Restoration**
- **Munitions Response**
- **Resource Conservation and Climate Change**
- **Weapons Systems and Platforms**



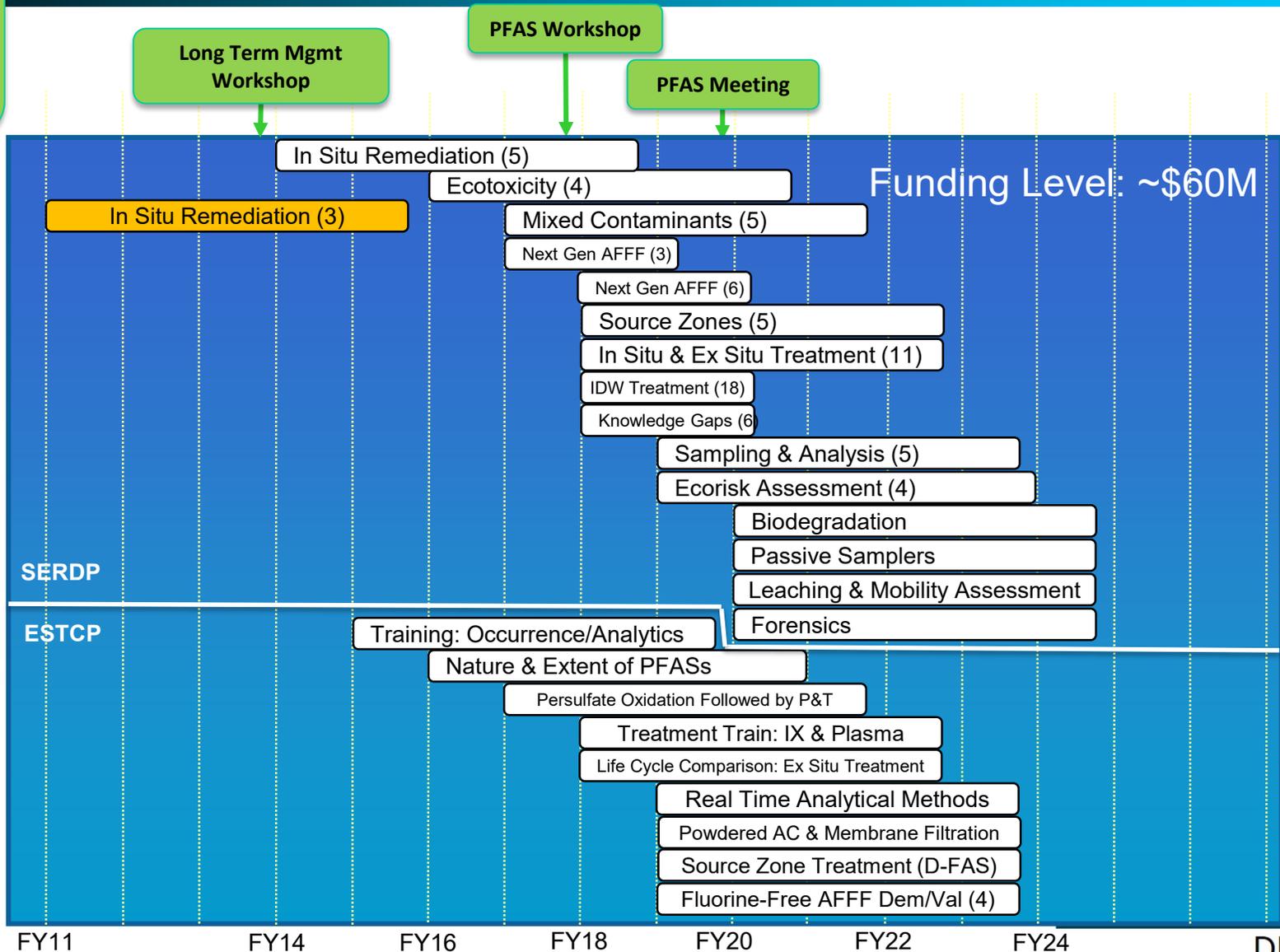
SERDP & ESTCP Efforts on PFAS

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PFAS Workshop

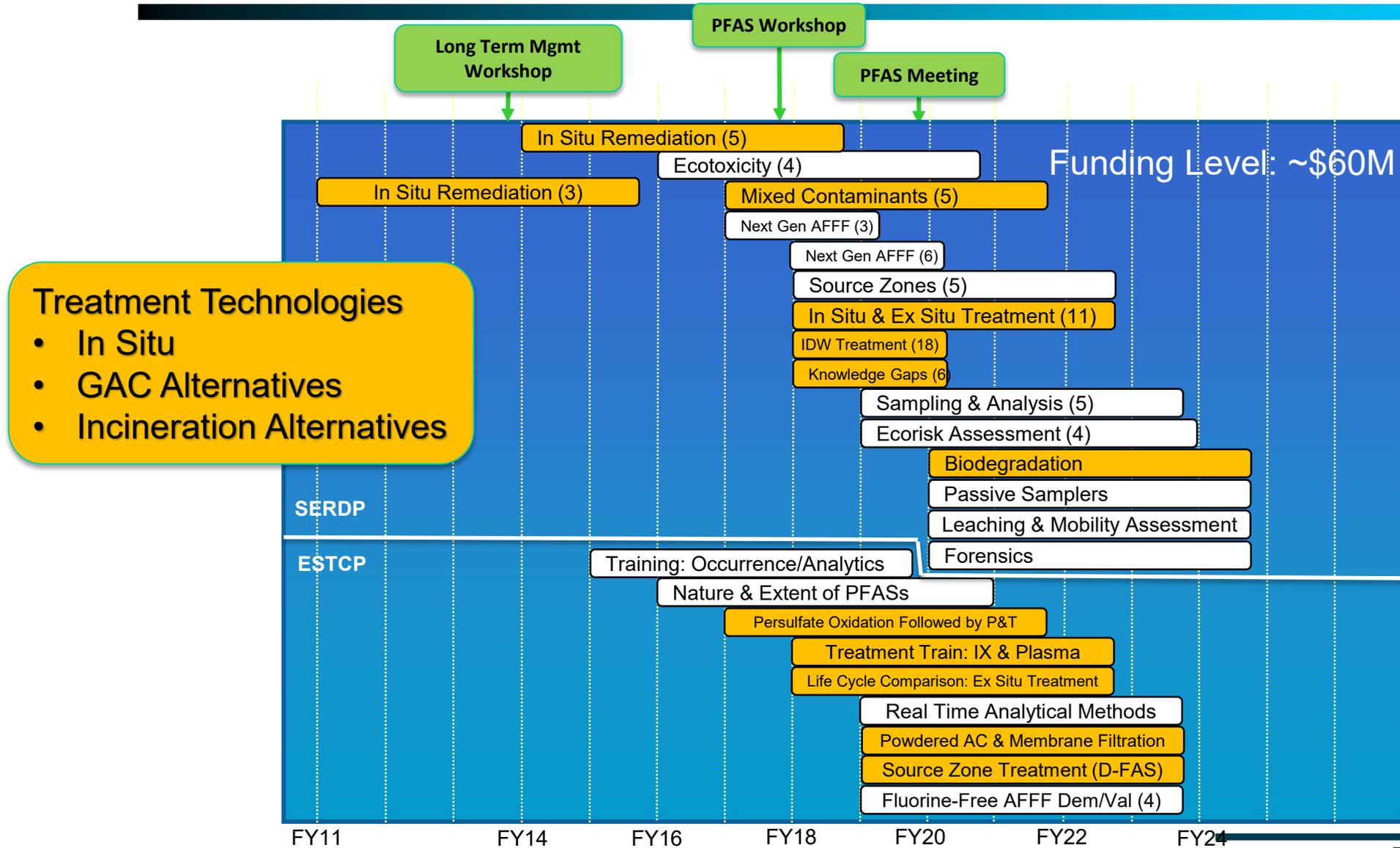
- **In May 2017, SERDP and ESTCP sponsored a two-day workshop: Research and Development Needs for Management of DoD's PFAS Contaminated Sites to:**
 - Review the current state of the science regarding PFAS contamination in general, and AFFF in particular
 - Evaluate current and potential characterization and remediation technologies
 - Prioritize research and demonstration opportunities that can improve remediation performance and efficiency, and ultimately reduce the costs to manage sites.
 - Summarize findings in a workshop report.

28 Research, Demonstration and
Technology Transfer Needs Identified

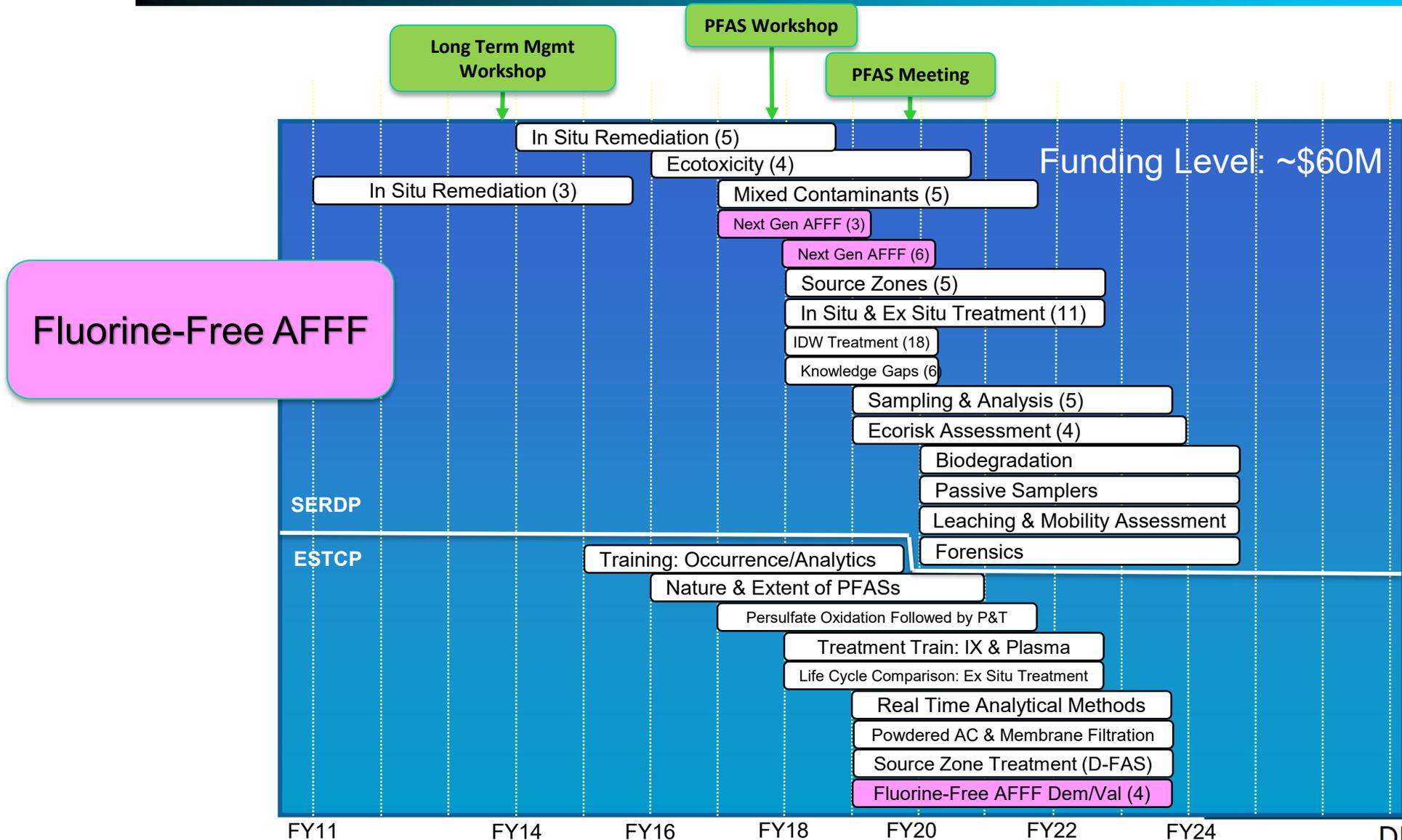
PFAS Workshop – Major Findings

- **Fate and transport properties**
- **Bioavailability, biomagnification**
- **Toxicity**
- **Development of on-site technologies for concentrated PFAS waste streams**
- **PFAS forensics**
- **Sampling**
- **Treatment technology demonstrations**
- **Technology transfer needs**

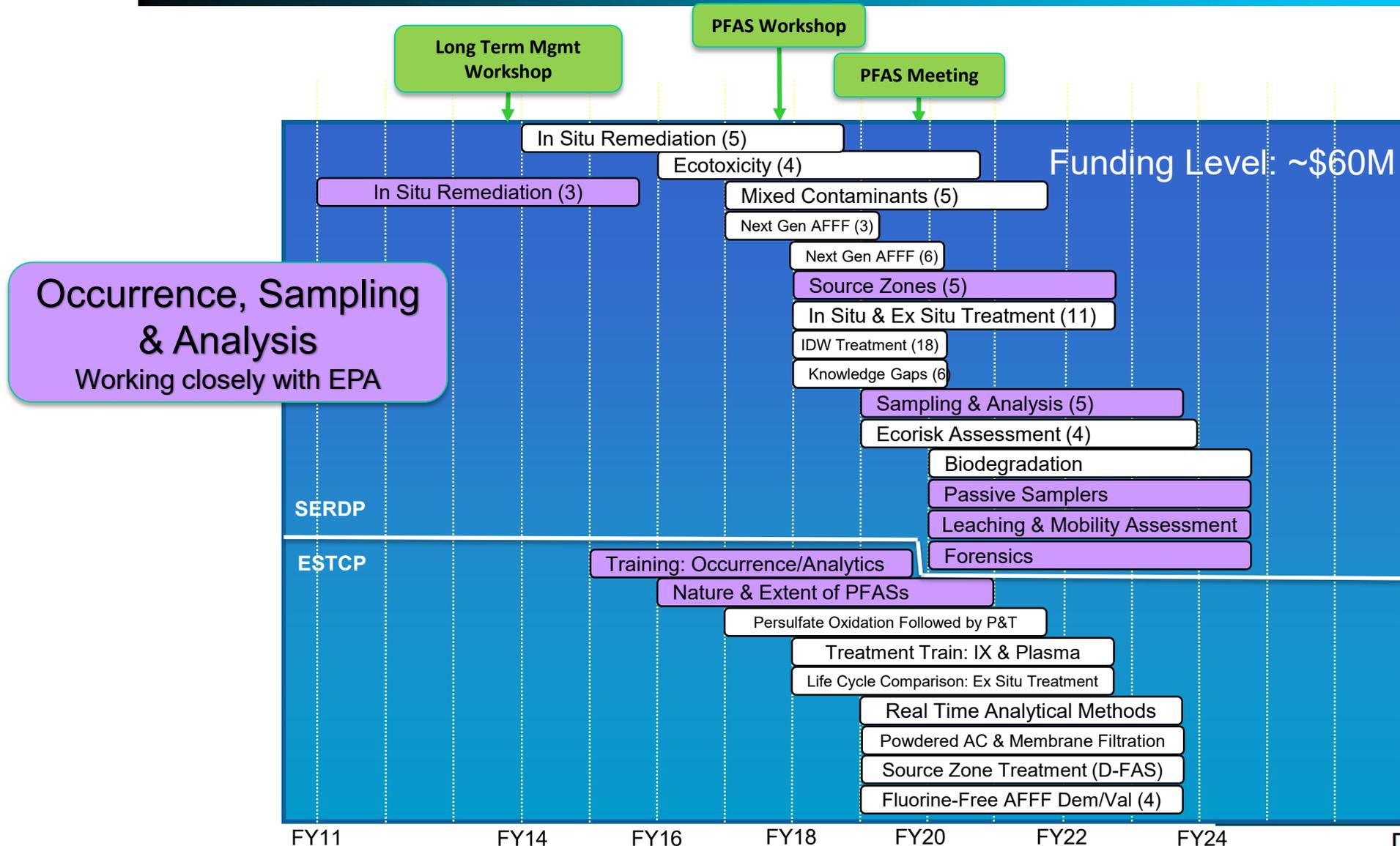
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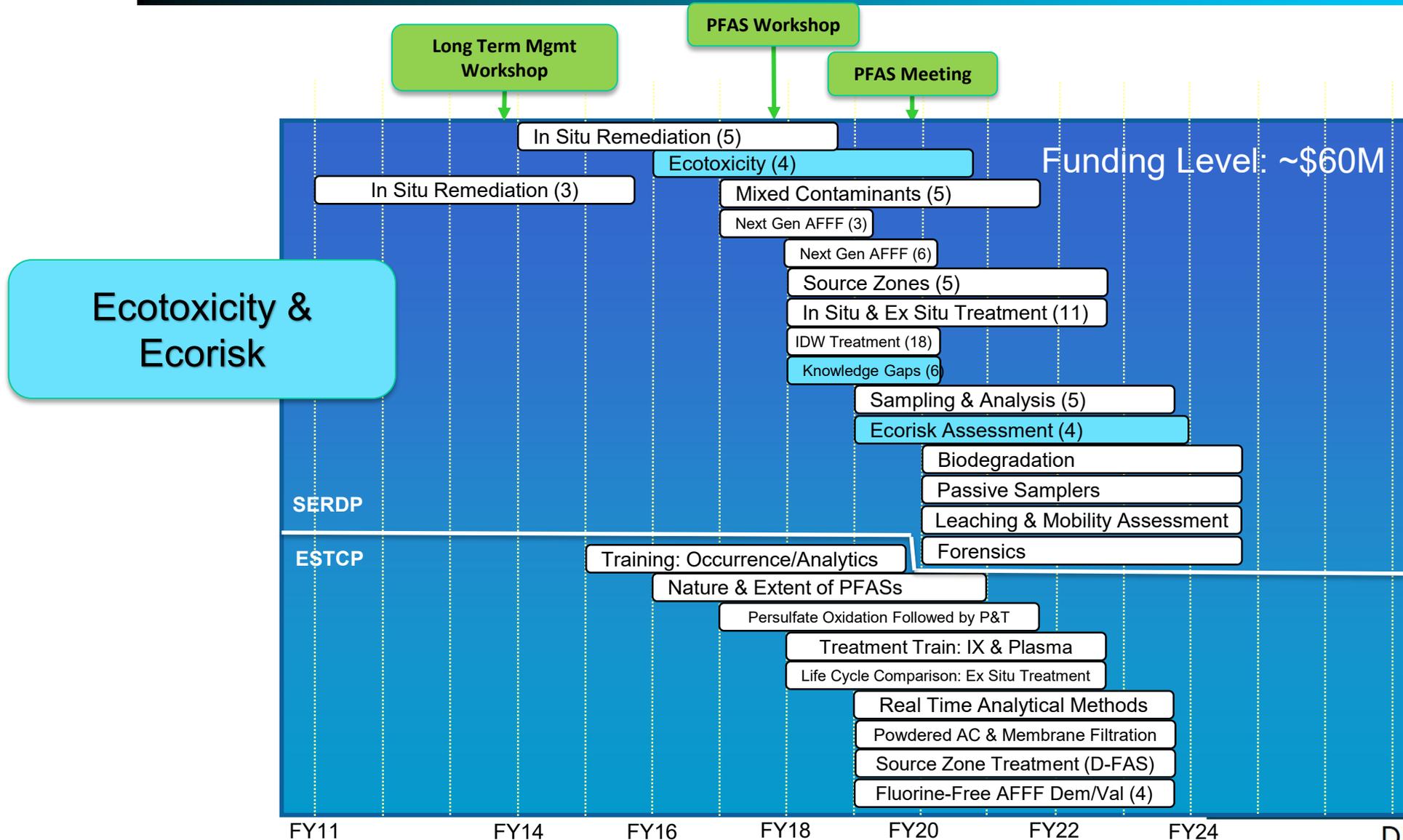
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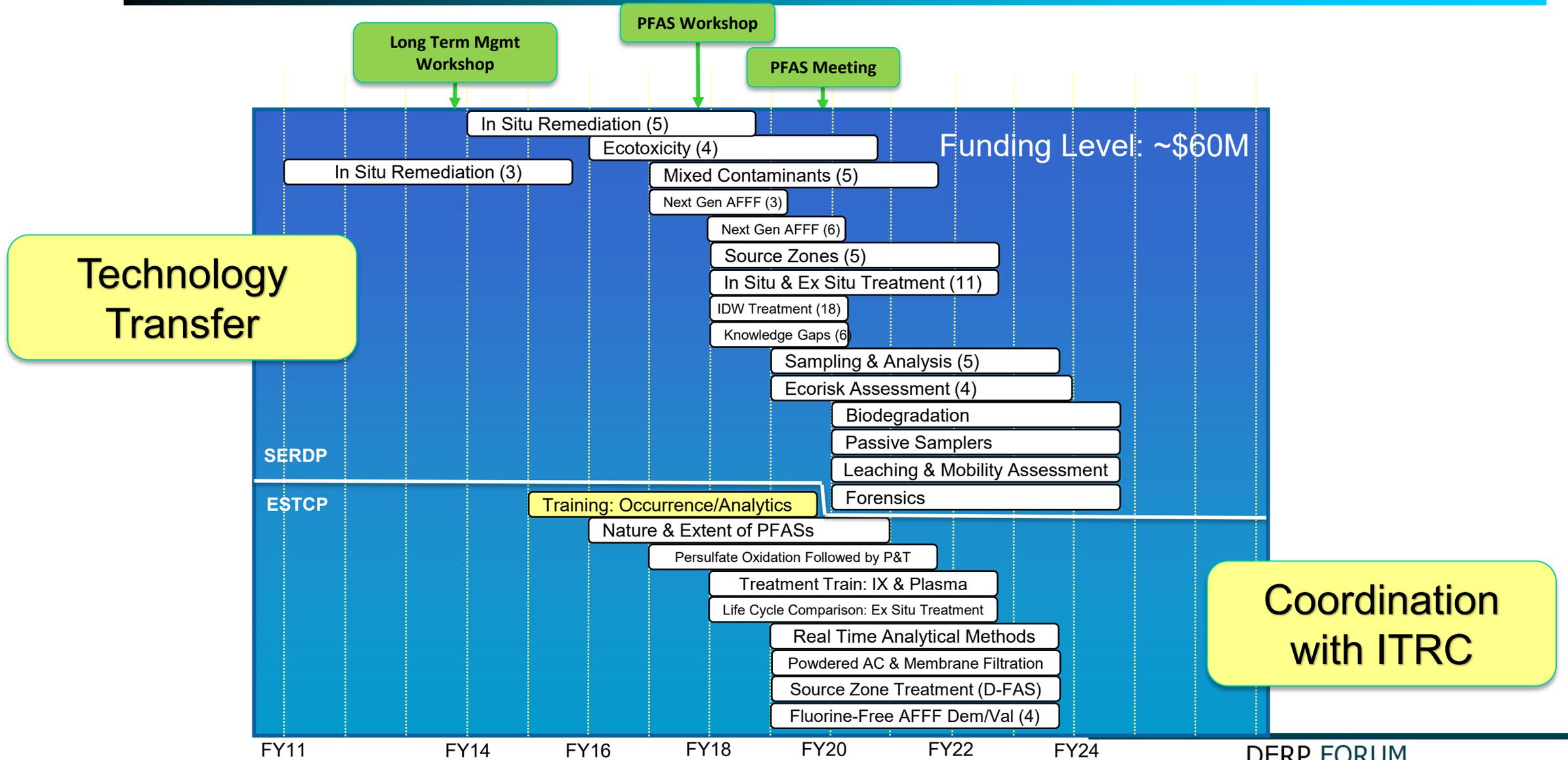
SERDP & ESTCP Efforts on PFAS



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PFAS Project Meeting

- **In July 2019, SERDP and ESTCP will be hosting a project meeting for projects addressing characterization, sampling and analysis, and treatment. Meeting will consist of:**
 - Continuing project presentations
 - Proof of concept project debriefs
 - Poster session
 - Strategic discussions on data gaps
 - EPA presentation on status of analytical methodologies
 - Australian DoD update on treatment processes
 - Significant findings published in summary workshop



December 3-5, 2019 at the Marriott Wardman

**Plenary session the first morning then two days of technical sessions
and one day of short courses**

Expected Attendance: 1000

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www.serdp-estcp.org