



*Breakout Option #3: PFAS Destruction, Disposal, & Designation*

Wednesday, September 4 at 2:10 - 3:10 p.m. Eastern

# Role of technology and innovation in PFAS

**Question 1:**  
**What are the top challenges or considerations you see with regards to PFAS destruction and disposal policy and technology?**

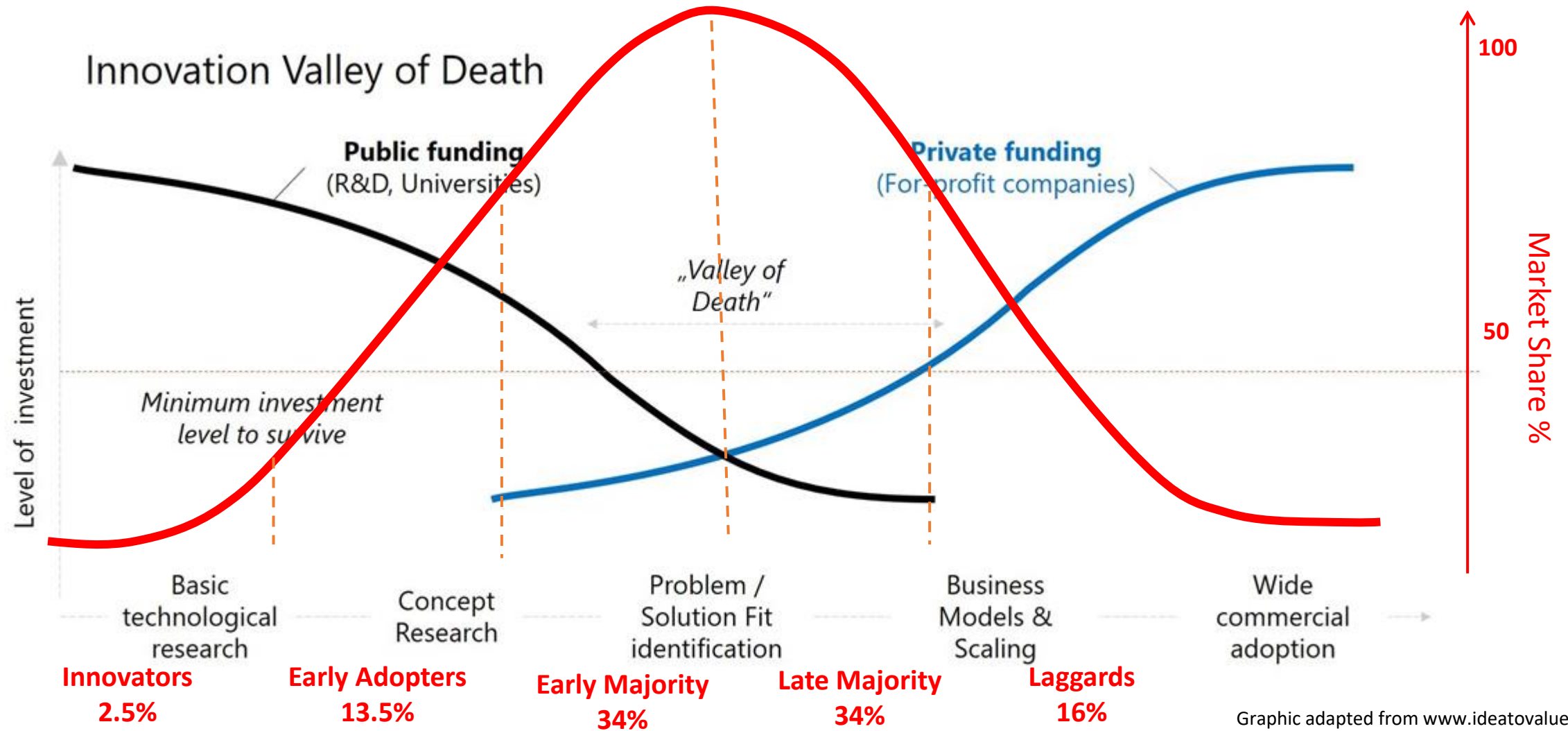
# Technology and Innovation- What to consider...

Products

Process

Water/Waste/  
Environment

# Technology Development



**Question 2:**  
**Can each of you walk through these considerations and steps again, but in the context of firefighting foam?**

# Key Considerations- Challenges and Opportunities

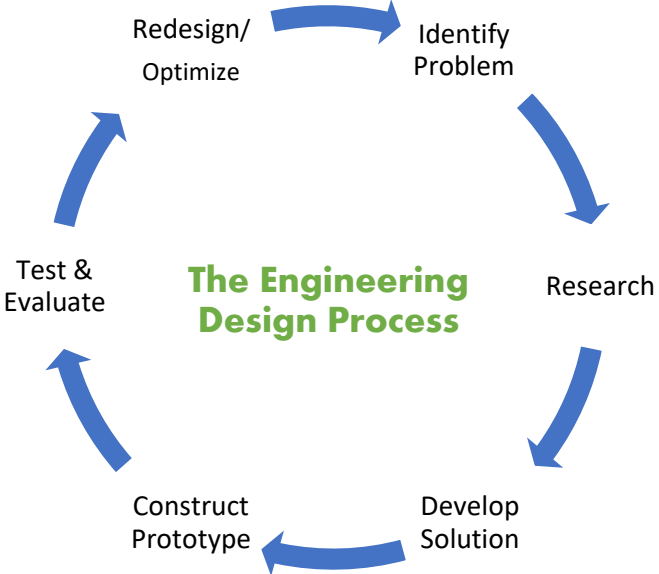
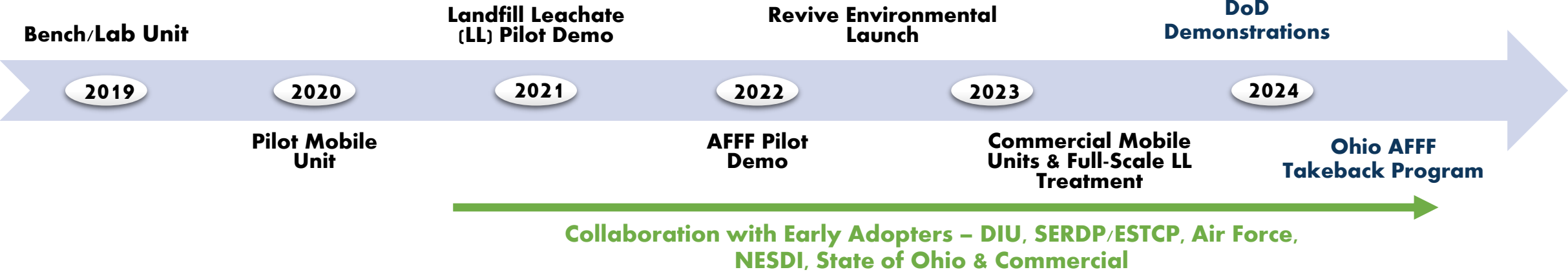
Research and  
Development

Demonstration  
and Validation

Commercialization

Operational  
Expansion

# Where, when and why it worked- PFAS Annihilator®



**Question 3:  
What are your top one or two suggestions for  
the audience?**



# What does the future hold?

- Will the technology development and commercialization pace change?
- How will remedy selection change from current practices? How will that impact costs?
  - Short-term? long—term?
- More Technology Acceleration programs?
  - Defense Innovation Unit (DIU)
  - State Programs/Funding

Figure 7: Detailed Contaminant Groups Addressed in Recent Decision Documents (FY 2018-2020)

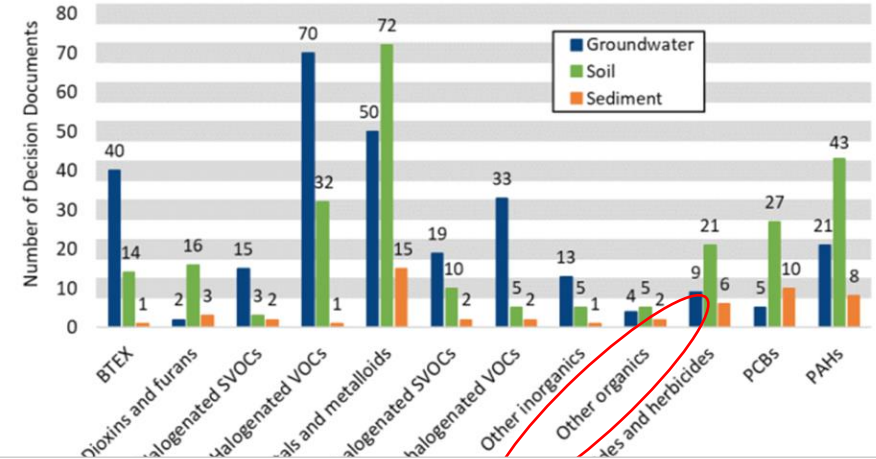


Table 8: Comparison of Remedy Selection Data (FY 2015-2017 and FY 2018-2020)

Selected Remedy		FY 2015 - 2017	FY 2018 - 2020
Source	Treatment	42%	50%
	In Situ Treatment	20%	34%
	Ex Situ Treatment	29%	27%
	Containment/Disposal	67%	67%
	Disposal (off-site)	45%	52%
	Containment (on-site)	46%	39%
Groundwater	Institutional Controls	71%	69%
	Treatment	65%	67%
	In Situ Treatment	51%	47%
	Ex Situ Treatment (P&T)	20%	31%
	MNA	20%	31%
Institutional Controls	71%	75%	

US Chamber of Commerce (2022) PFOS and PFOA Private Clean-Up Costs at Non-Federal Superfund Sites Superfund Remedy Report, 17<sup>th</sup> Ed (2023). [Superfund Remedy Report 17th Edition - EPA 542-R-23-001](#)