

Consortium for Risk Evaluation with Stakeholder Participation (CRESP)



CRESP

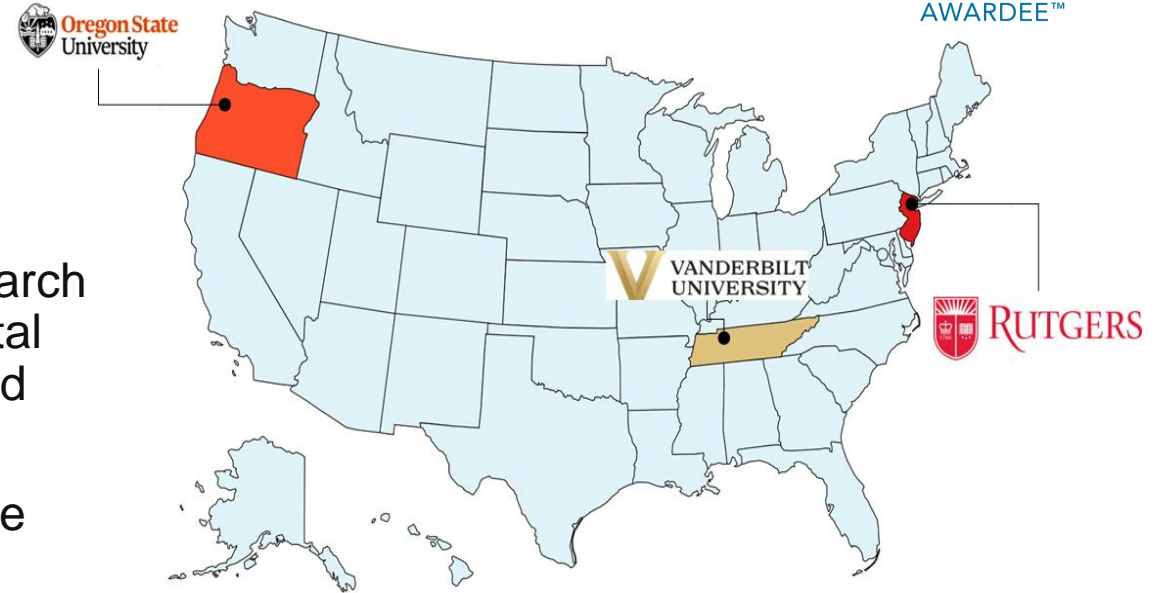
DOE's Consent-based Siting for
Interim Storage Program:
DE-FOA-0002575



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Consortium Overview



Background:

- CRESP is a leading independent, interdisciplinary research group focused on waste management and environmental legacy from production of defense nuclear materials and nuclear energy.
- Three CRESP member organizations are involved in the consent-based siting workscope:

- **Vanderbilt University** (Steve Krahn [PI], David Kosson, Henry Mayer*, Mike Greenberg*, Tim Fields*)
- **Rutgers University** (Joanna Burger, Matt Weber)
- **University of Oregon** (Kathy Higley)

Areas of Expertise:

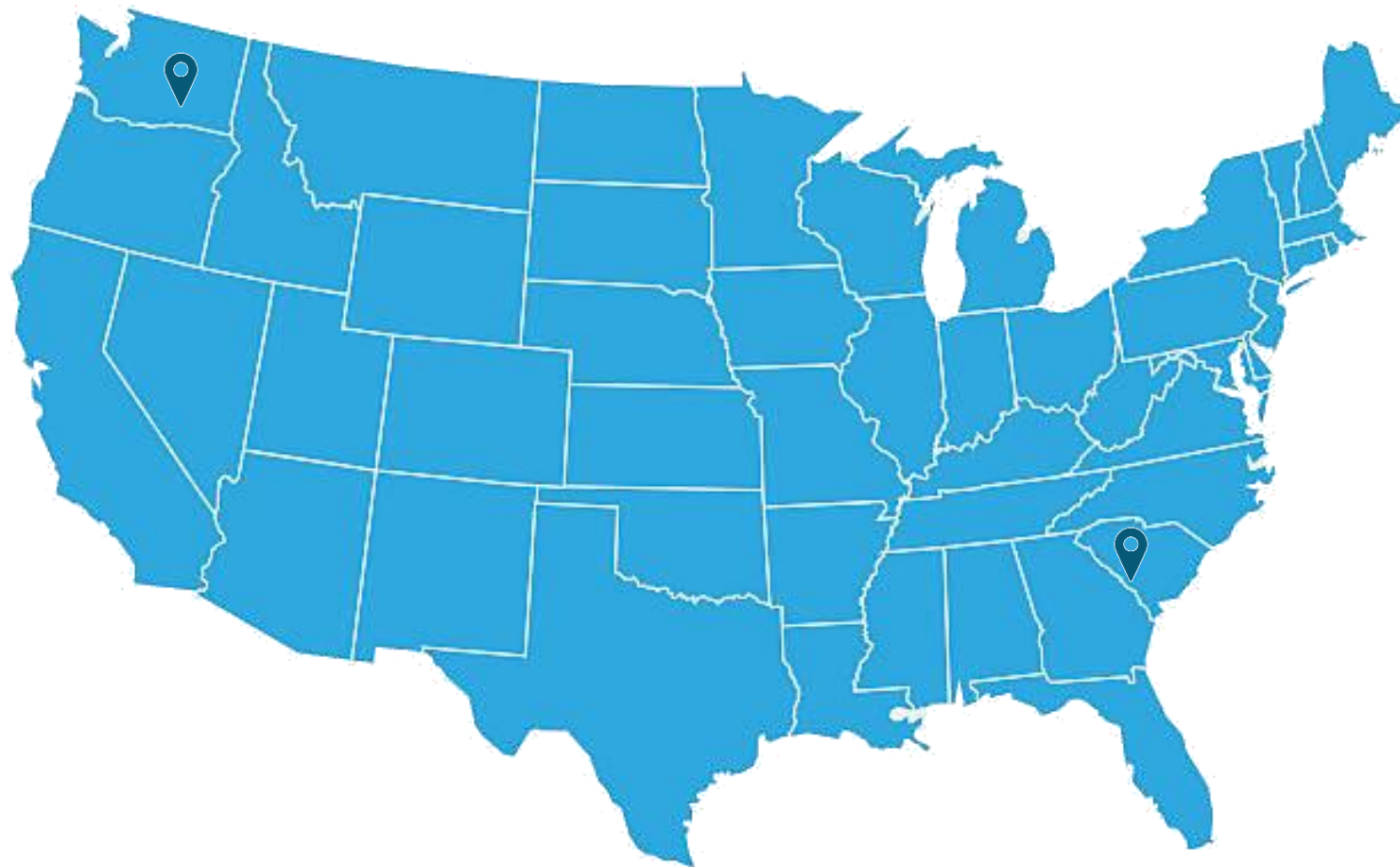
- Project management
- Risk assessment
- Stakeholder communications and Tribal outreach
- Public Policy
- Communication technology
- Biology
- Health Physics
- Nuclear facility decommissioning

* Consultant to Vanderbilt University



Geographical Areas of Engagement

Project focus is on understanding existing engagement frameworks and their effectiveness in defense- and research-related spent nuclear fuel (SNF) management and decision-making at DOE sites, not solicitation of interest in hosting a commercial SNF CISF.



- Citizens advisory boards (CABs), disadvantaged communities, and Tribal Nations* surrounding DOE sites hosting defense- and research-related SNF:
 - Hanford Site (WA)
 - Savannah River Site (SC)

*CRESP and Tribal involvement will be on a technical level at this stage

Overview of Process

1. Interface with CABs and DOE's Office of Indian Energy to prepare for and organize meaningful inclusive stakeholder and Tribal engagements to discuss nuclear waste management, including:

- Mapping public values
- Social media sentiment analysis
- Interests
- Concerns related to siting a federal CISF



2. Lead stakeholder (including CABs) and Tribal engagements using communication/outreach techniques that focus on active listening.



3. Create approaches for knowledge sharing, deliberation, and values assessment to support community-informed and equitable decision-making and achievement of mutual understanding of risk between communities and technical experts.

- Test approach via a simulated siting evaluation with volunteers (from CABs, Tribes, disadvantaged communities, etc.)



Use knowledge gained to inform approaches created

4. Distill lessons learned and best (and worst) practices.

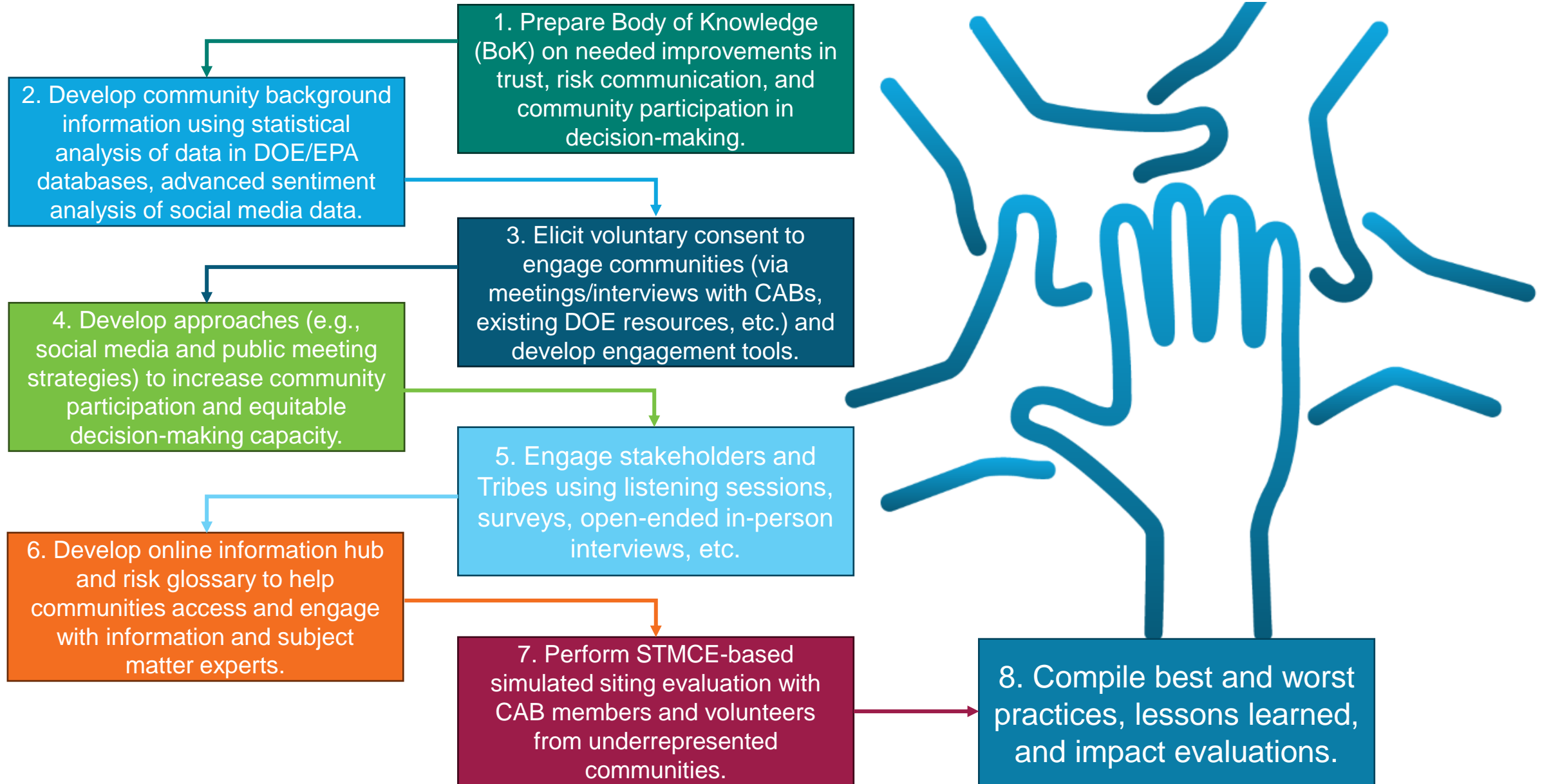
- Accumulated throughout project, conveyed in a final report



Retrospective examination of siting process for defense and research SNF storage

Overall Objective: *Foster mutual learning on best (and worst) practices in community and Tribal participation in risk-informed decision-making, and develop and test innovative forms of community participation in decision-making that build sustainable trust among parties*

Overview of Methods



Outcomes Expected

Milestone 1 (M1): Compilation of BoK on needed improvements in trust, risk communication, and participation in risk-informed decision-making

- **Deliverable 1:** Presentation to the quarterly consortia, and subsequent report documenting BoK

Milestone 2 (M2): Initial stakeholder and Tribal engagements and completion of demographic mapping and social media sentiment analysis in communities surrounding SRS and Hanford

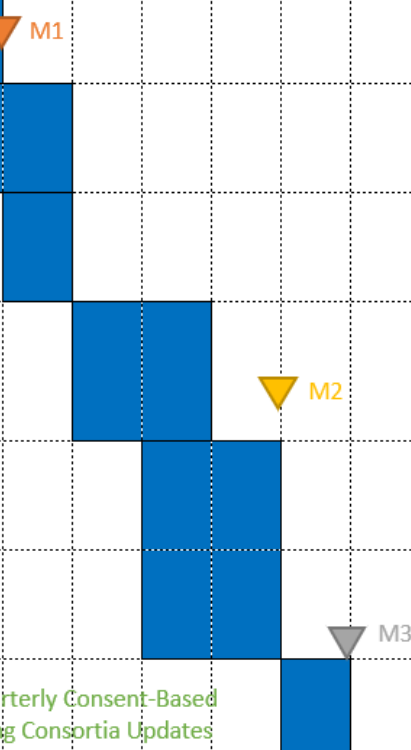
- **Deliverable 2:** Report summarizing (1) development and implementation of processes and strategies used for engagement and (2) insights gained

Milestone 3 (M3): Development/testing of approaches to support community-informed decision-making and mutual understanding of risk between communities and technical experts

- **Deliverable 3:** Report summarizing use of adaptive and equitable community-oriented approaches for knowledge sharing, deliberation, and values assessment, including resources that help communities access and engage with information and subject matter experts

Deliverable 4: Final report summarizing best practices

Task	Y1				Y2			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Development of project-specific Body of Knowledge	█	█	█					
Task 2: Development of community background information.		█	█					
Task 3: Development of engagement tools.			█					
Task 4: Development of knowledge sharing, community deliberation, and values assessment approaches.				█	█			
Task 5: Performance of initial Tribal and stakeholder engagements.					█	█		
Task 6: Development of community access and engagement resource(s).					█	█		
Task 7: Performance of siting evaluation evolution.							█	
Task 8: Compilation of lessons learned.	█	█	█	█	█	█	█	█



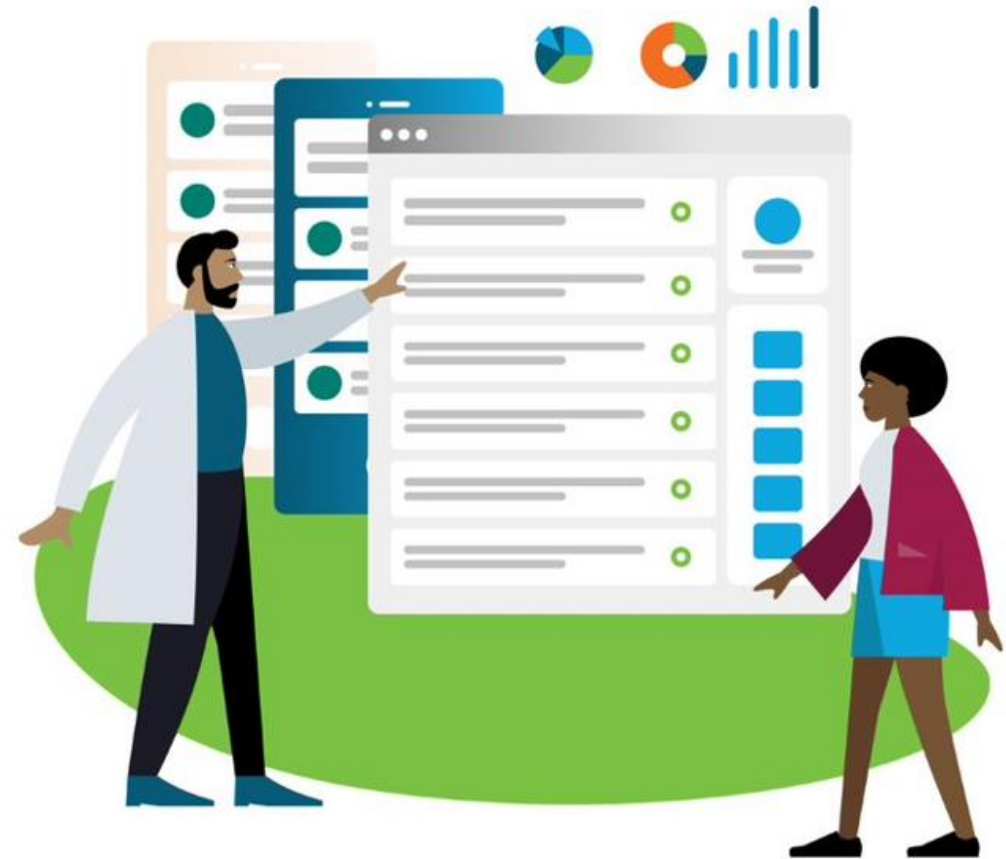
Thank You!

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