

U.S. Coast Guard Update: Interagency Coordinating Committee on Oil Pollution Research (ICCOPR)/ Great Lakes Oil Spill Center of Expertise (GLCOE)

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Great Lakes Oil Spill Center of Expertise (GLCOE)

➤ Great Lakes Oil Spill Center of Expertise (GLCOE)

Research, assessment and testing of emerging technology, and training focused on fresh water & cold weather conditions during oil spill response.

- ❖ Established by the Coast Guard Authorization Act 2020
- ❖ Ribbon Cutting held on 24 August 2022.
- ❖ Great Lakes Research kickoff Workshop held on 20 September 2022.
- ❖ Two offices located at NOAA's Great Lakes Environmental Research Lab (GLERL) in Anne Arbor, MI & Lake Superior State University, Sault Ste. Marie, MI.
- ❖ FY24 Call for research proposals coming soon!



GLCOE Ribbon cutting ceremony, 2022



Photo of outdoor testing enclosure and science team.

Photo credit Water Mapping LLC



NLST



BOEM
BUREAU OF OCEAN ENERGY MANAGEMENT

Interagency Coordinating Committee on Oil Pollution Research

- ❖ Oil Pollution Act of 1990 & 33 U.S.C. 2761
- ❖ 16 member agencies
- ❖ Collaborative approach to address federal research needs



ICCOPR Website: www.dco.uscg.mil/iccopr



ICCOPR Activities

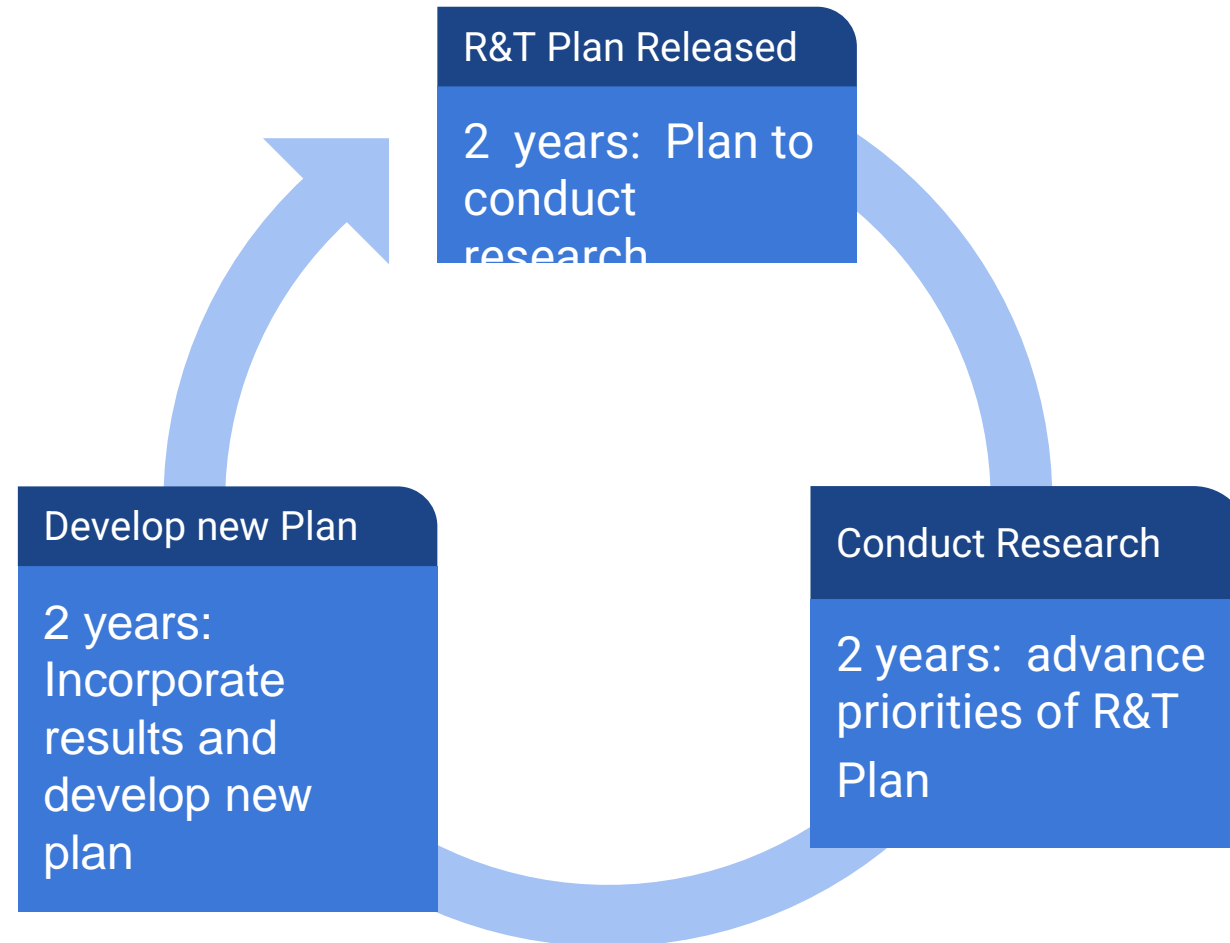
- Quarterly and Special Meetings
 - ❖ Topical research presentations
 - ❖ Member R&D Updates
- Opportunities for member collaboration:
 - ❖ In-situ burn, UAS/UAV, remote sensing, emerging fuels, arctic, fresh-water
 - ❖ Testing at oil spill facilities: BSEE Ohmsett Oil Spill Response Research and Renewable Energy Facility, Army Corps Cold Regions Research and Engineering Lab (CRREL), Arctic
- Biennial Report to Congress
- Release of 2022-2027 Research & Technology Plan (December 2021)
- GAO Report: Offshore Oil Spills: Additional Information Is Needed to Better Understand the Environmental Tradeoffs of Using Chemical Dispersants



2022-2027 Oil Pollution Research and Technology Plan (OPRTP)



R&T Plan Development Cycle (6-years)

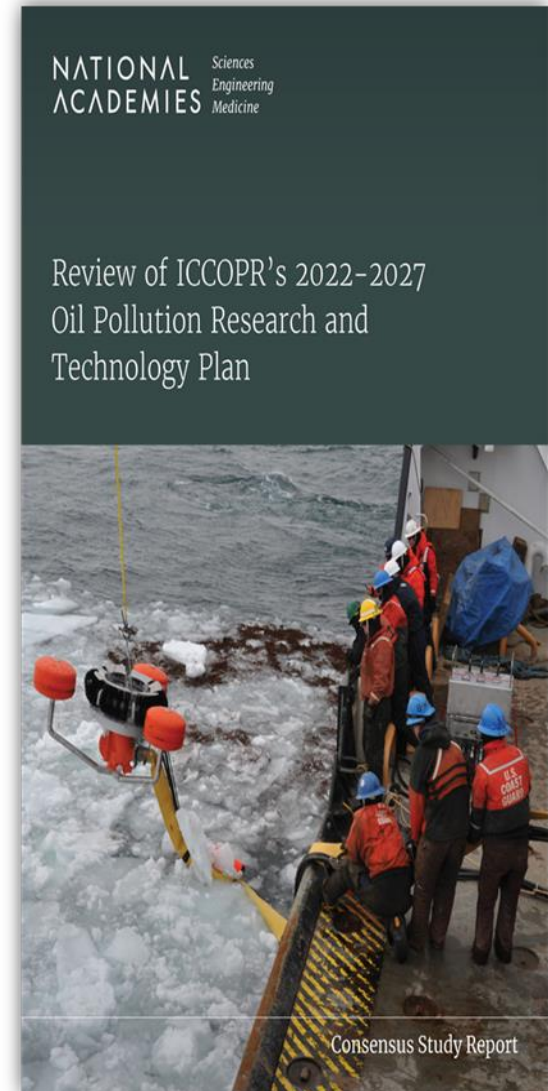


Prevention	Preparedness	Response	Injury Assessment and Restoration
<ul style="list-style-type: none"> • Human Error Factors • Offshore Facilities & Systems • Onshore Facilities & Systems • Waterways Management • Vessel Design • Drilling • Rail/Truck Transport • Pipeline Systems <p>2022-2027:</p> <ul style="list-style-type: none"> • Geohazards • Subsea Systems Automation and Reliability 	<ul style="list-style-type: none"> • Pre-spill Baseline Studies • Response Management Systems <p>2022-2027:</p> <ul style="list-style-type: none"> • Renewable Energy Systems 	<ul style="list-style-type: none"> • Structural Damage Assessment and Salvage • At Source Control and Containment • Chemical and Physical Behavior Modeling • Oil Spill Detection and Surveillance • In- and On-water Containment and Recovery • Shore Containment and Recovery • Dispersants • In-situ Burning • Bioremediation • Alternative Chemical Countermeasures • Oily Waste and Oil Disposal 	<ul style="list-style-type: none"> • Environmental Impacts and Ecosystem Recovery • Environmental Restoration Methods and Technologies • Human Safety and Health • Sociological and Economic Impacts

National Academy of Sciences Engineering and Medicine (NASEM) ORTP REVIEW 2022-2023

➤ Overview of Statement of Task

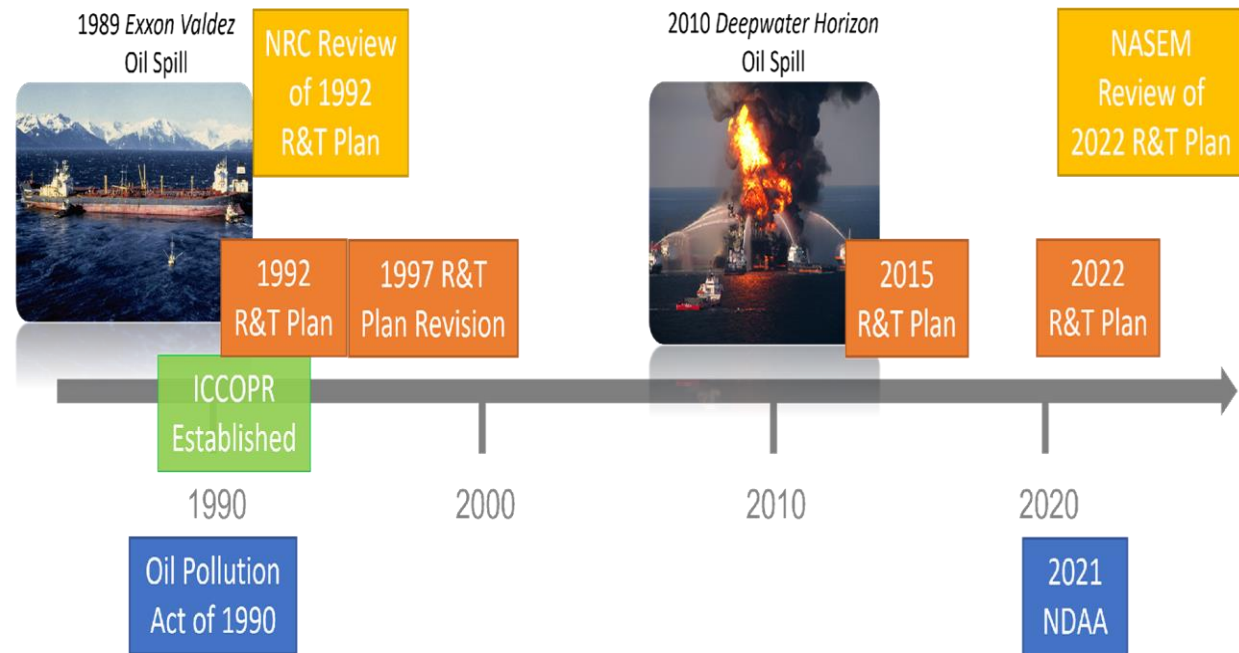
- ✓ Provide advice/guidance on approach & structure of the 2022-2027 ICCOPR Research & Technology Plan;
- ✓ Assess adequacy of the completed 2022-2027 Research & Development plan;
- ✓ Provide organizational guidance regarding the implementation of research plan, including advice on research prioritization, identification of topics best addressed through a research partnership among the Federal agencies represented on the Interagency Committee & recommendations for future ICCOPR Research & Technology Plan development.



Sponsor Goals for NASEM Review

- ✓ Assessed how the plan aligns with the Congressional requirements
- ✓ Reviewed overall structure and organization of the plan
- ✓ Evaluated the Classification System
- ✓ Evaluated the priority setting PROCESS.
- ✓ How to promote the R&T Plan

[*Review of ICCOPR's 2022-2027 Oil Pollution Research and Technology Plan |The National Academies Press](#)



Source: National Academies Press (Feb 2022)

Thank You!



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