

Offshore Situation Room: Enhancing Resilience to Oil Disasters in the Gulf of Mexico

MARINE BOARD FALL MEETING

November 18, 2024 Washington, DC

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Vision and Mission of the GRP

GRP Vision

A safer, more resilient, and sustainable future
for the Gulf and all those who call the region home.

GRP Mission

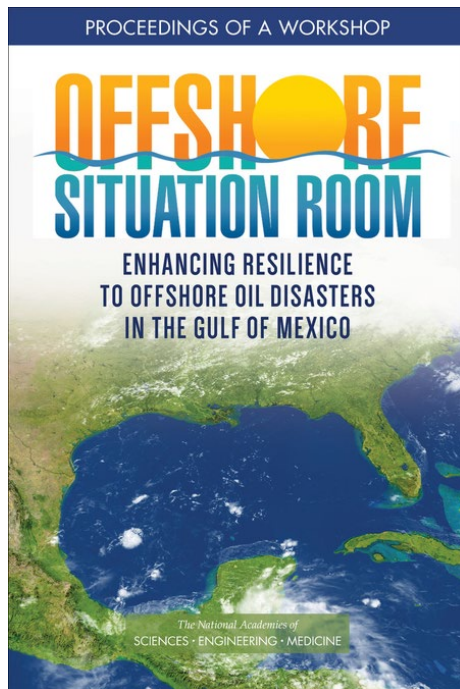
Develop, translate, and apply science to enhance
the safety of offshore energy, the environment, and the
wellbeing of the people of the Gulf region for generations to come.

GRP Activities

- Offshore Situation Room

Offshore Situation Room: Enhancing Resilience to Offshore Oil Disasters in the Gulf of Mexico: Proceedings of a Workshop | The National Academies Press

- Rapid Response Grants
- Legacy Infrastructure
- Term-limited Round-table
- OSR 2 - LNG





GOALS

- Provide a collaborative atmosphere where participants can share ideas, capabilities, and information, and build a community dedicated to the successful prevention of, response to, and recovery from an offshore oil spill disaster.
- Develop a concise, prioritized list of questions that need to be addressed to support successful prevention, response, and recovery that would minimize the impacts of an offshore oil disaster.
- Explore capabilities and impediments to prevention, response, recovery, and understanding impacts of an offshore oil disaster in the Gulf of Mexico.
- Highlight how changes in policy, response, resilience, and restoration efforts may affect outcomes of a major offshore incident.

Approach

On-line workshop over 3 days that brought together experts from industry, academia, various levels of government, and community and nongovernmental organizations to examine the state of and needs for:

1. Prevention and Preparedness,
2. Response,
3. Impacts, Recovery and Restoration, and
4. Needs and Planning (Science in Action; Engineering and Technology, Community Engagement, and Regulations and Best Practices)

using Serious Gaming Techniques

Open Remarks and Core Message

Admiral Allen's opening and closing remarks conveyed two key insights:

- **Complexity serves as a risk aggravator.** The uncertainty and insufficiency of existing resources, procedures, and authorities require the flexibility to adapt, adjust thinking, and challenge presumptions about how things are supposed to work.
- **The antidote to complexity is co-production.** Complex problems are not solved by individual entities; the solutions need to be coproduced through a unity of effort across all stakeholders.



Recurring Topics from 'Needs and Planning'

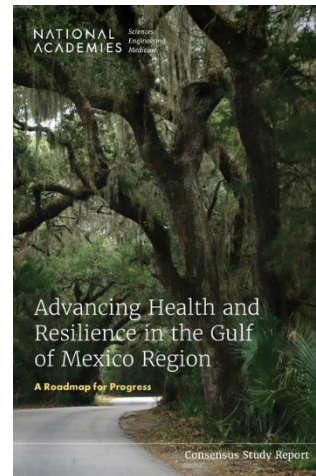
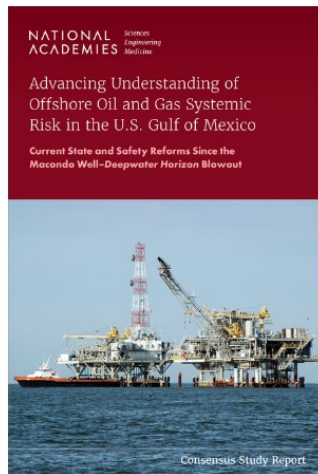
TABLE S-1 Recurring Topics That Arose During Needs and Planning Sessions

Expert Group	Recurring Topics	Highest Priority Action
Science In Action	Adaptive policy and revising existing policies, science and innovation, collaboration, inclusion of the human dimension, collaboration about communication, planning	Look at ways to mitigate the risk from adanboend and legacy infrastrcuture in the GoM: abandoned pipelnes and wells, decomissioned or abandoned rigs and platforms
Engineering and Technology	Integrating technologies	Incentivize the use of best available proven technology and encourage funding or other, emerging technologies
Community	Education, networking, and engagement opportunities	Create funding opportunities to encourage translation of science and empowerment of community-based organizations, with the community as the lead
Regulation and Best Practices	Strategic analysis and joint planning, communication and collaboration, modernizing and upgrading regulatons, better communication progress	Develop a strategic analysis of threats (e.g. cybersecurity, foreign and domestic) for issues ranging from nuisance incidents to 'black swan' type events, then prepare recommended practices and a roadmap of activities for mitigation; identify and engage cybersecurity experts during preparedness and response to crises

Common themes to all: Update outdated legal and regulatory structures, Improve data collection, Support communication, collaboration, and joint efforts across all groups, and incentivize behavior and progress

What is Next at GRP?

- Rapid Response Grants
- Legacy Infrastructure
- Roundtable Cybersecurity
(Chem, OG, Petrochem)
- OSR 2 - LNG



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