

Interagency Coordinating Committee on Oil Pollution Research (ICCOPR)



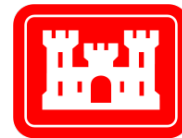
Ms. Kirsten Trego
ICCOPR Executive Director
U.S. Coast Guard Headquarters
Office of Marine Environmental Response Policy

OSPR/Chevron Oil Spill Response Technology Workshop
February 28, 2017

ICCOPR MEMBERSHIP



- **Chair**
 - U.S. Coast Guard
- **Rotating Vice Chairs**
 - U.S. Environmental Protection Agency
 - National Oceanic and Atmospheric Administration
 - Bureau of Safety and Environmental Enforcement
- **Additional Agencies**
 - Bureau of Ocean Energy Management
 - Department of Energy
 - Maritime Administration
 - National Aeronautical and Space Administration
 - National Institute of Standards and Technology
 - Pipeline & Hazardous Materials Safety Administration
 - U.S. Arctic Research Commission
 - U.S. Army Corps of Engineers
 - U.S. Fire Administration
 - U.S. Fish & Wildlife Service
 - U.S. Navy



ICCOPR Activities

- **Quarterly and Special Meetings**
 - Presentations of topics of interest
 - Member R&D Updates
- **Biennial Reports to Congress**
- **Opportunities for member collaborations**
 - Environmental Response Management Assessments
 - Testing at OMSETT and JMTF
 - Unconventional Oil & Gas Research, etc.
- **Outreach Efforts**
 - IOSC, Interspill, SpillCon, etc.
 - NAS Gulf Research Program, GoMRI, etc.
 - Outside presentations, workgroups, etc.

OIL POLLUTION RESEARCH & TECHNOLOGY PLAN

- **Original Plan published in 1992**
- **National Academies Marine Board review**
- **Updated Plan published in 1997**
- **New “baseline” plan - September 29, 2015**
- **Established a six-year revision cycle**



OIL POLLUTION RESEARCH & TECHNOLOGY PLAN

PART ONE – OIL POLLUTION RESEARCH

1. Need for Research
2. Federal Oil Pollution Research
3. Non-Federal Oil Pollution Research
4. Categorization Framework
5. Knowledge Transfer



OIL POLLUTION RESEARCH & TECHNOLOGY PLAN

PART TWO – ESTABLISHING RESEARCH PRIORITIES

6. Prioritization Process

7. Noteworthy Incidents

8. State of Knowledge

9. Research & Technology Priorities

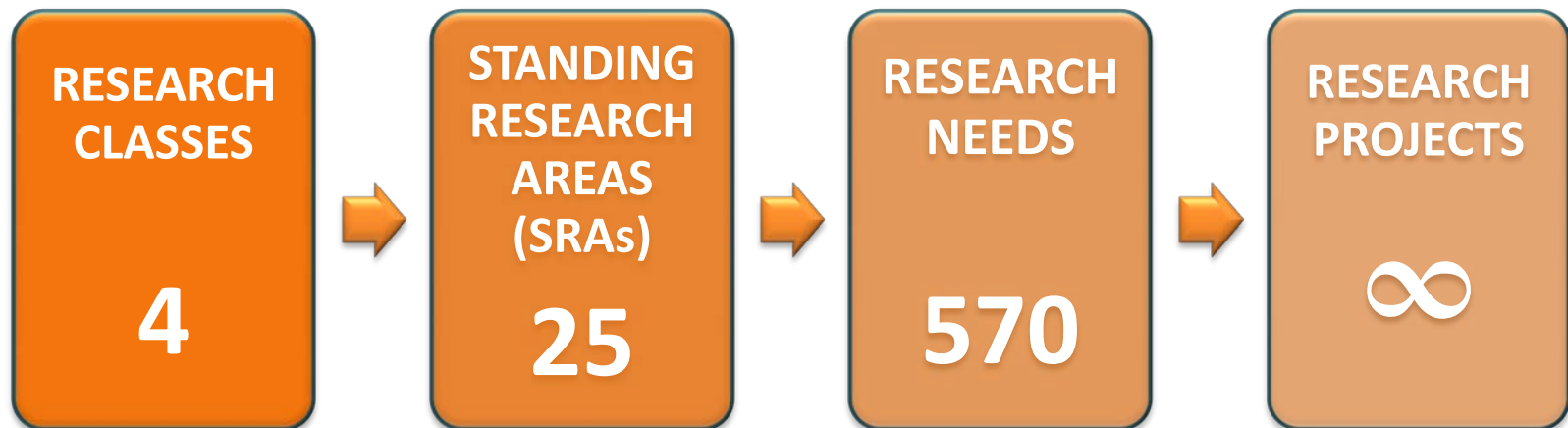
- Top three per SRA or SRA subcategory

Appendices – needs database & process



Tracking Oil Spill Research

- Gap Analysis and Categorization
- Research needs mapped to SRAs
- Establish Federal Priority Research Needs



Prevention

- Human Error Factors
- Offshore Facilities & Systems
- Onshore Facilities & Systems
- Waterways Management
- Vessel Design
- Drilling
- Rail/Truck Transport
- Pipeline Systems



ICCOPR Standing Research Areas (SRAs) as of September 29, 2015

Preparedness

- Pre-spill Baseline Studies
- Response Management Systems

Response

- 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

Injury Assessment and Restoration

- Environmental Impacts and Ecosystem Recovery
- Environmental Restoration Methods and Technologies
- Human Safety and Health
- Sociological and Economic Impacts

FOCUS AREAS

ARCTIC WATERS

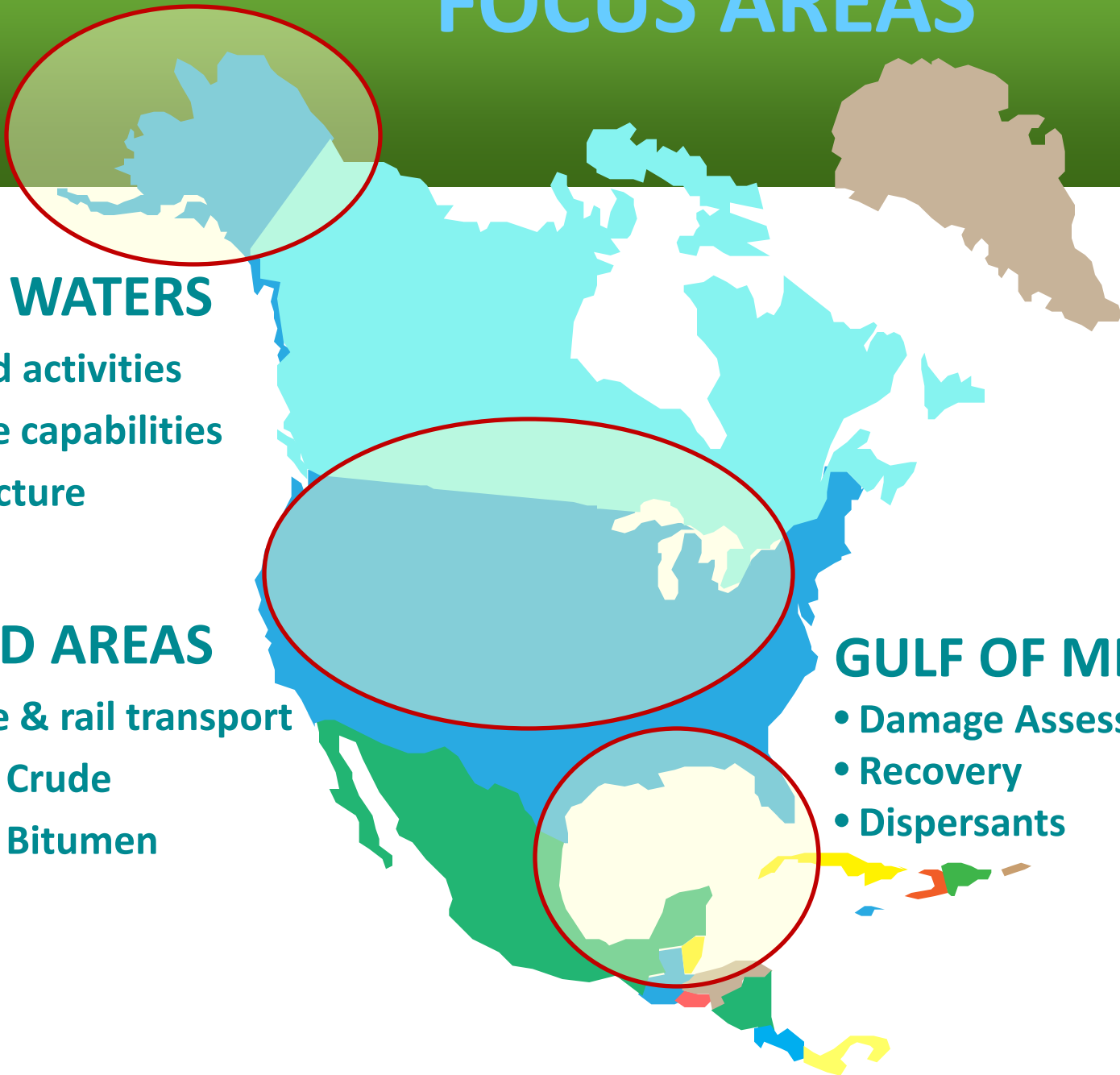
- Increased activities
- Response capabilities
- Infrastructure

INLAND AREAS

- Pipeline & rail transport
- Bakken Crude
- Diluted Bitumen

GULF OF MEXICO

- Damage Assessment
- Recovery
- Dispersants



FUTURE ACTIVITIES

- **Outreach to encourage use of the plan**
- **Track progress toward addressing the needs**
- **Revise and Improve the Plan every six years**
- **Continue collaboration and coordination**



QUESTIONS?

Contact: Kirsten Trego
(202) 372-2269

Kirsten.R.Trego2@uscg.mil
www.uscg.mil/iccopr

