

Bureau of Safety and Environmental Enforcement

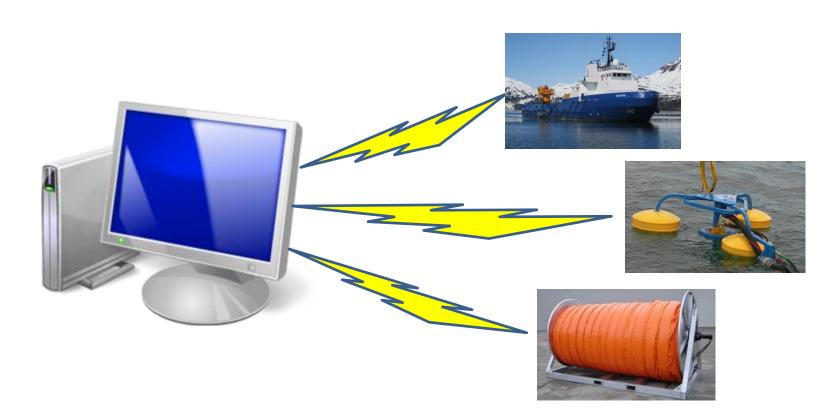
Arctic Oil Spill Response Equipment Database

Steve Pearson October 12, 2017

> "To promote safety, protect the environment and conserve resources offshore through vigorous regulatory oversight and enforcement."

Purpose

Develop a stand-alone, spatially searchable database using off-the-shelf software that would contain all Arctic specific oil spill response equipment, vessels, and resources located in each Arctic nation. The database should be easily uploaded to GIS-enabled applications.



Desired Outcomes

- Develop a tool that could support and enhance:
 - Contingency planning,
 - Environmental risk assessments,
 - Response exercises,
 - Resource allocation analysis, and
 - International requests for assistance.

Workgroup

*	Canada	Lynn Denis
	Denmark	Nils Westergaard
	Finland	Heli Haapasaari
	Greenland	Nils Westergaard
-	Iceland	Olafur A. Jonsson
	Norway	Ole-Kristian Bjerkemo
+	Sweden	Bernt Stedt
	United States	Steve Pearson (Project Lead)

Equipment Categories* for Tier 3 Spills

- Aircraft
- Vessels (skimming)
- Vessels (non-skimming)
- Temporary storage
- Boom





- Pumps
- Dispersant
- Subsea response



*Database used IMO's **Draft Guidelines on International Offers of Assistance in Response to a Marine Oil Pollution Incident** to establish lexicon of terms used and categories of equipment listed.

Project Timeline

DEC 2014

EPPR approved project

MAR - SEP 2015

Award Contract

OCT - DEC 2015

Equipment Surveys

JUL 2016

Prototype Database

SEP 2016

Final database

DEC 2016

EPPR approved database

May 2017

Arctic Council Ministerial approved

Project Deliverables

 Arctic Response Equipment Database

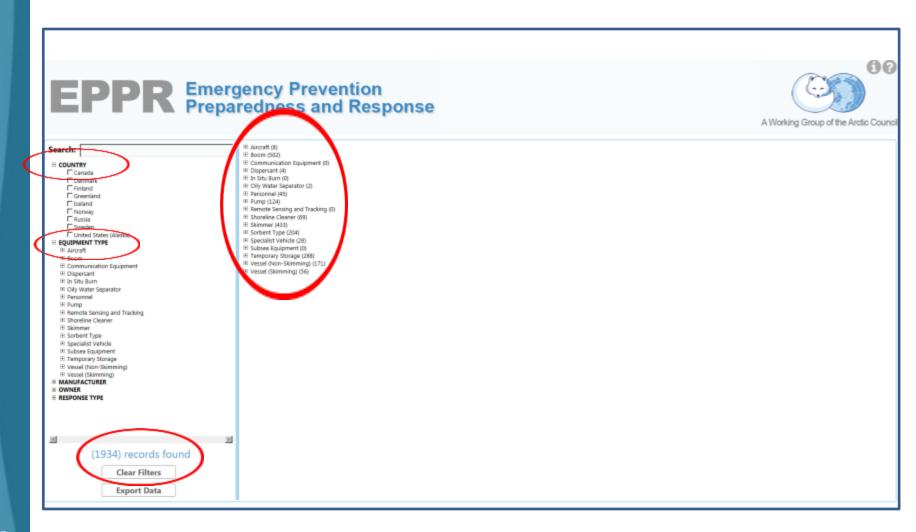
Query Tool and User Guide

 Integrate into a Common Operating Picture (Arctic ERMA)

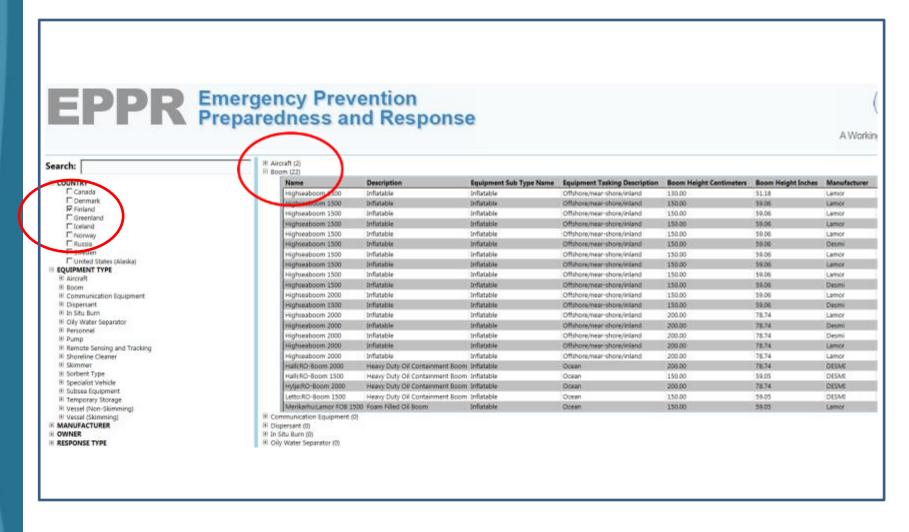
Database - Welcome Screen



Database - Main Screen



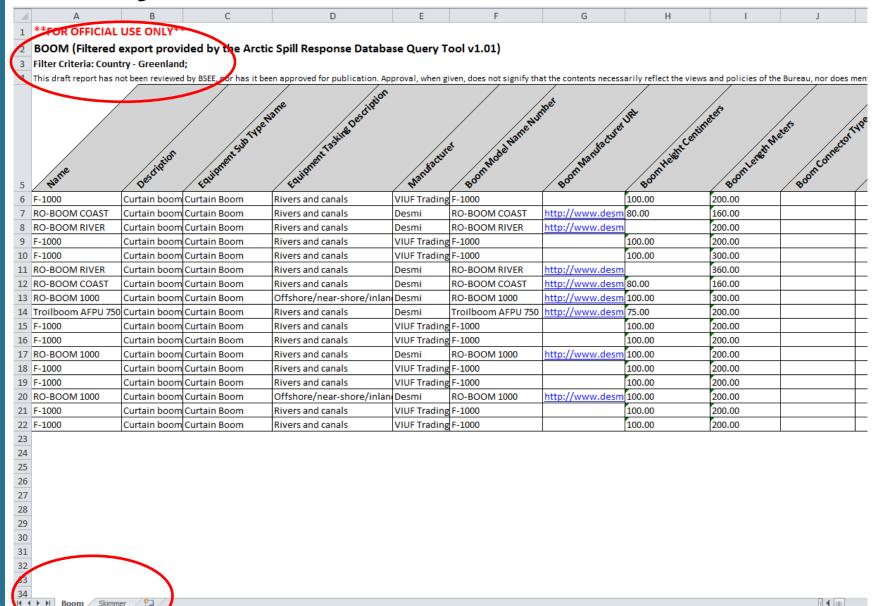
Query – Finland/Boom



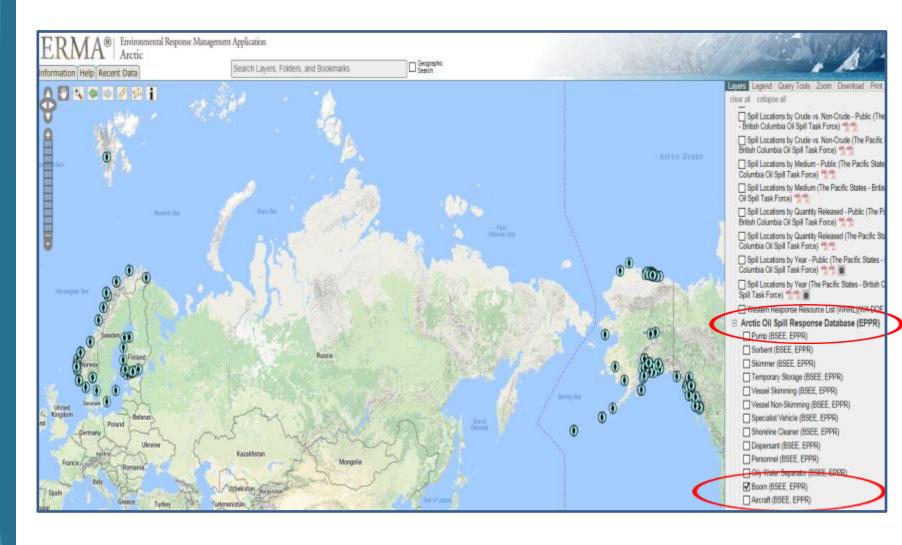
Query – Download

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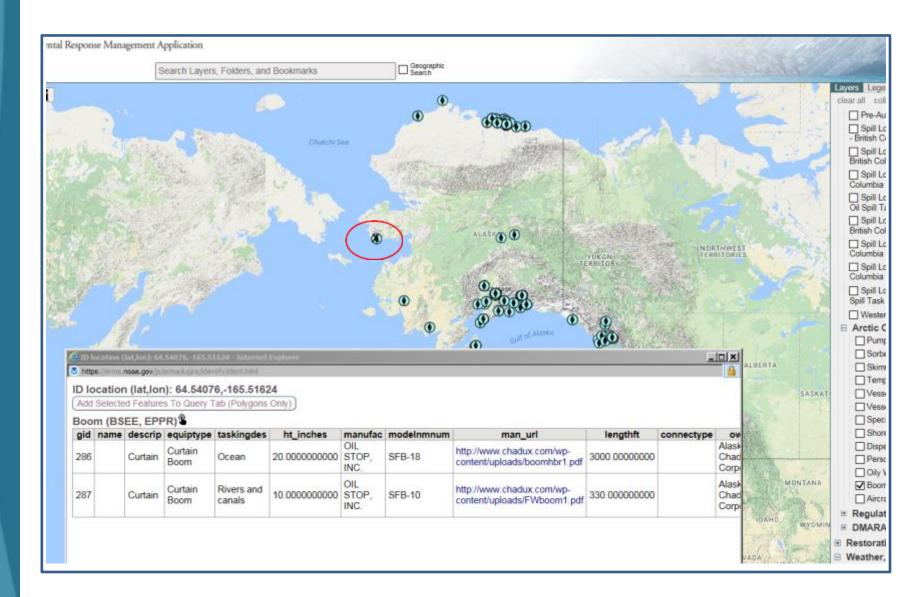
Query – Download



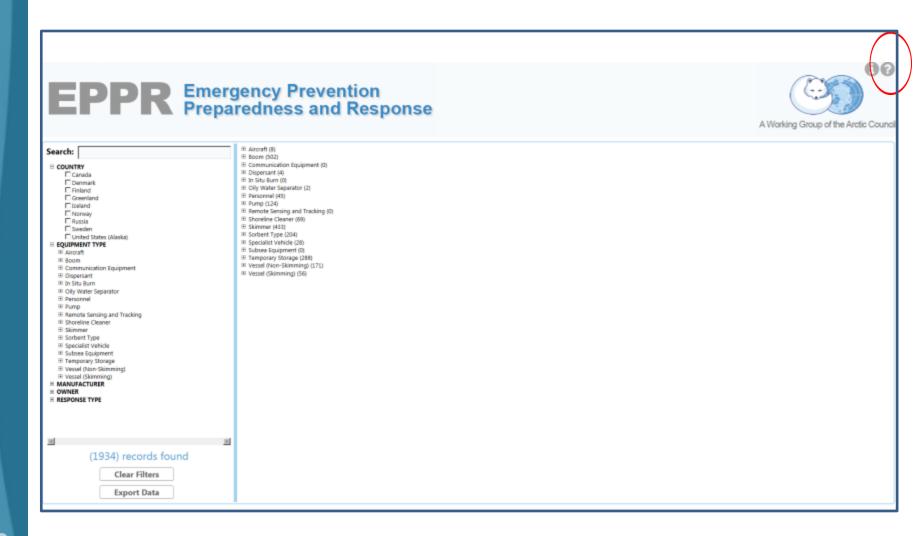
Arctic ERMA – GIS integration



Arctic ERMA – GIS integration



Database - Main Screen - User Guide



User Guide



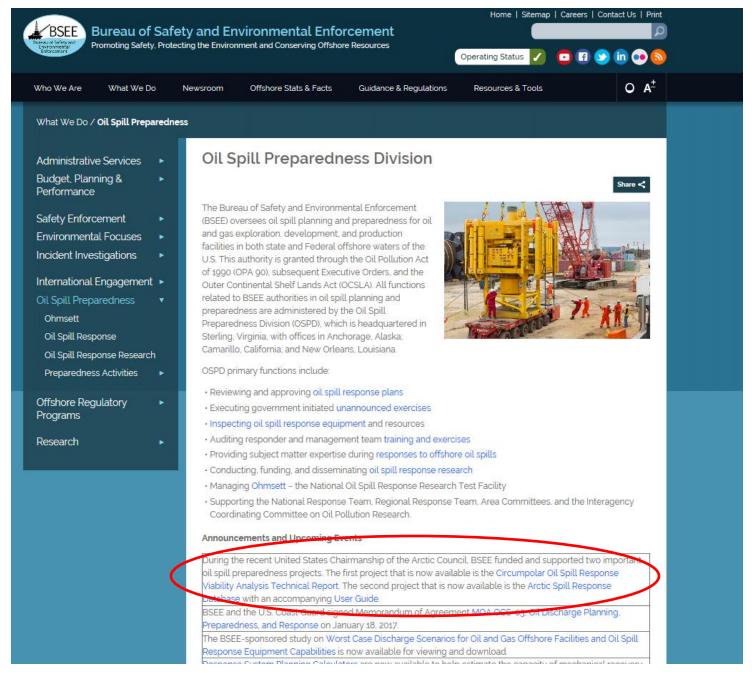
Version 1.03

EPPR

Emergency Prevention Preparedness and Response







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