



Building Credible Cold Weather Response Capability

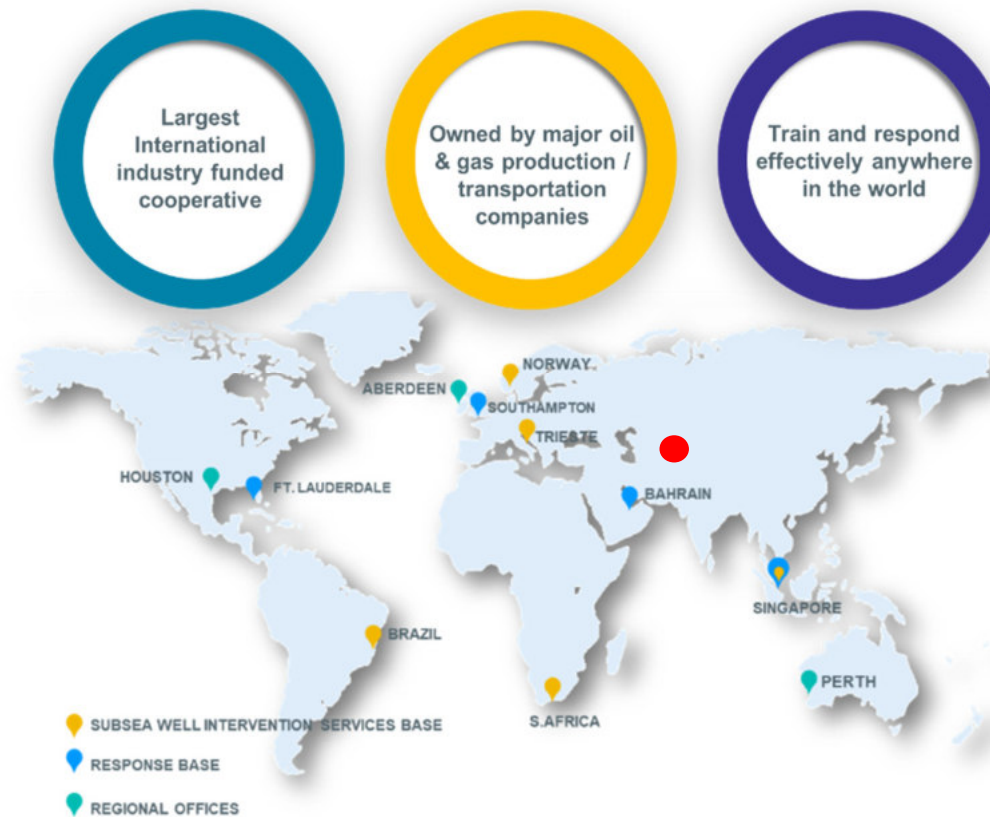
Paul Foley (Response Operations Manager, OSRL)

Arctic Biodiversity Congress (2018)

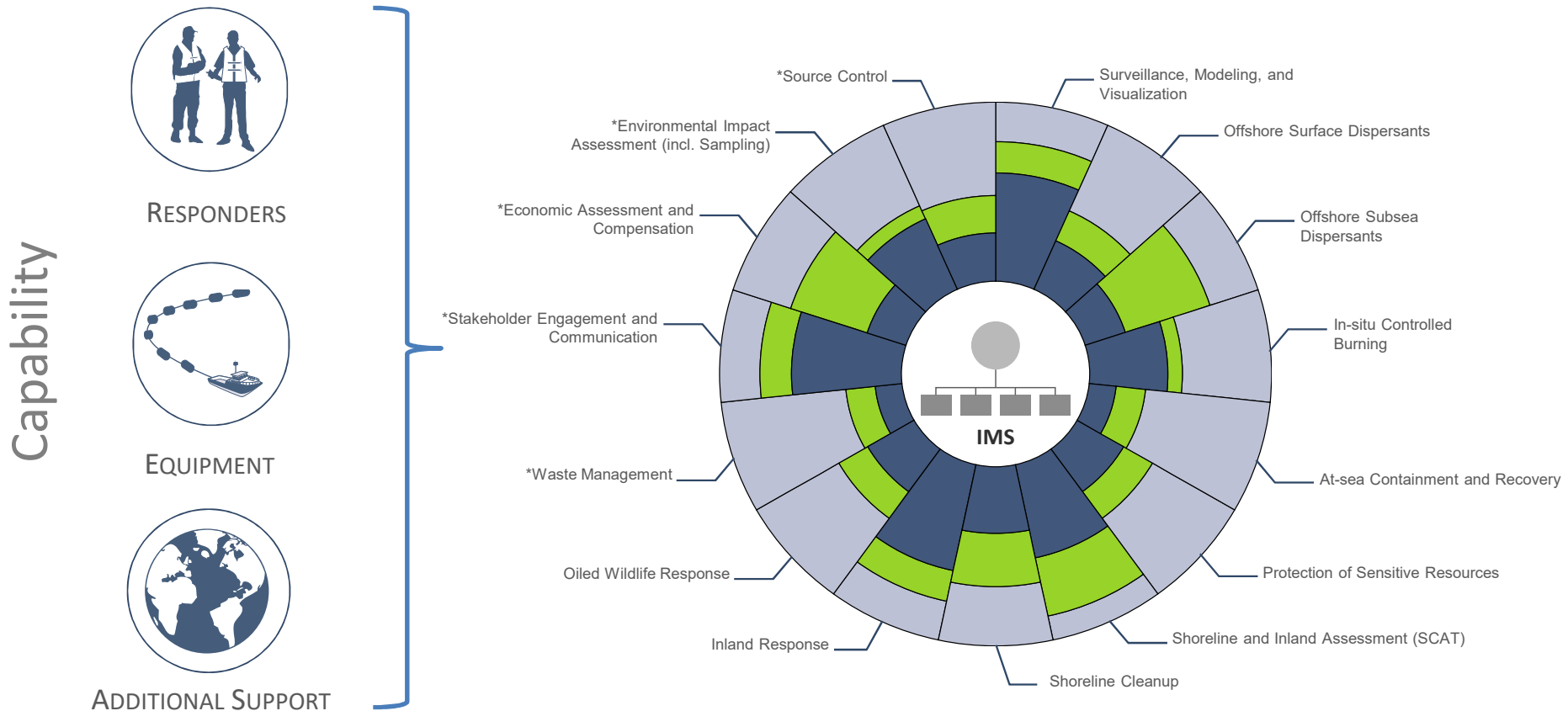
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OSRL Introduction

Mission: to provide resources to respond to oil spills effectively and efficiently on a global basis



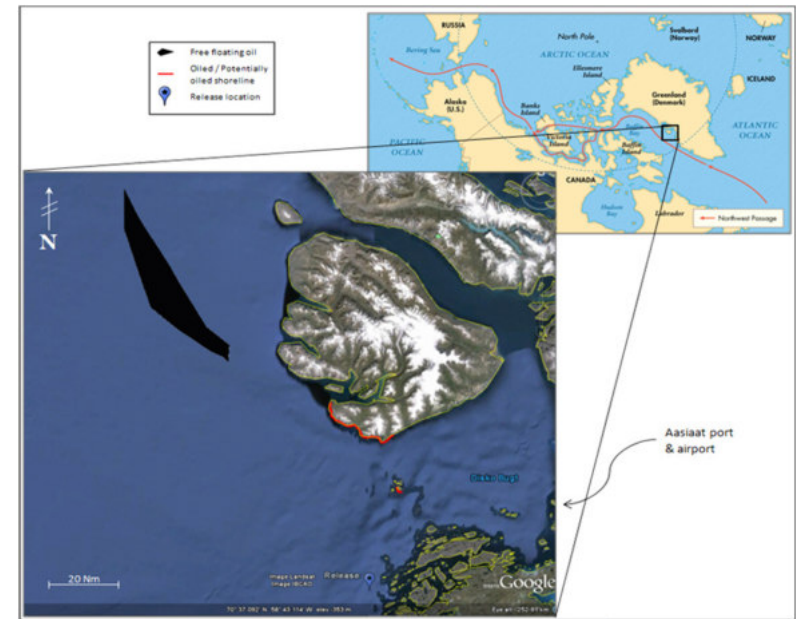
Our Oil Spill Response 'Toolbox'



Strategic Focus

- ▶ 2013: Perceived growing risk of oil spill in cold regions
 - Marine transportation
 - E&P activities
- ▶ Target; a credible 'Arctic' capability by 2018
 - Focus was *open water** summer season response
 - Multidimensional strategy, but with emphasis on safety, competence and equipment
- ▶ 2017: Refocused strategic plan
 - Capacity
 - Capability
 - Credibility

*Open water =
<1/10th
Ice Cover



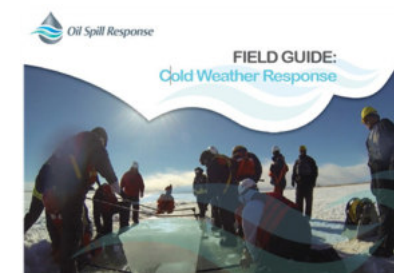
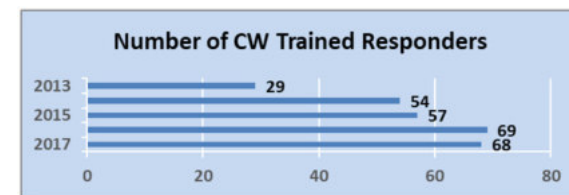
"Presence of ice / remoteness changes temporal dynamic of a response."



Building Technical Competence ‘On Ice’



- Guiding Philosophy:
“To maintain a strong **foundation** of capability, but develop a smaller cohort of **deeper expertise**”
- Training courses in Canada in partnership with fellow Global Response Network (GRN) members

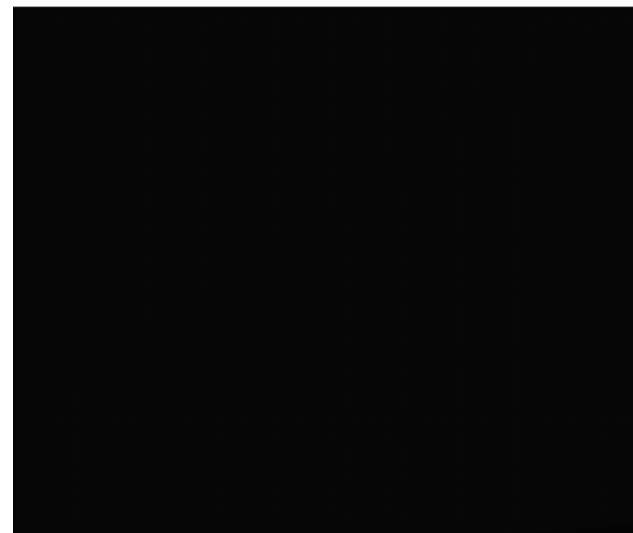




Working On-Ice

► Balanced Theory and Practice for the recovery of oil on and under ice

- Safety & Welfare
 - Ice assessment
 - Rescue techniques
- Specific Tools and Techniques:
 - Oil detection
 - Chainsaws, snow blowers, augers
 - Oil containment and recovery



- 3 courses x in 2015, 3 x in 2016, 3 x in 2107
- 46 OSRL, 12 ECRC and 14 external and members attended courses to-date
- ECRC, WCMRC, ACS, ITOPF, Shell, ExxonMobil, Chevron, GOSR and NOFO have all attended OSRL's cold weather course



Offshore: Ice 'Infested' Waters



- Progression from 'on-ice' to the more challenging offshore environment
 - Containment & Recovery Operation
 - In-Situ Burn (ISB)
- In partnership with GOSR and supported by ITOPF
- Using Vessels of Opportunity (VOO)
- Lessons Learned captured to drive improvements
 - Equipment modifications
 - Personal Protective Equipment (PPE)
 - Operational processes

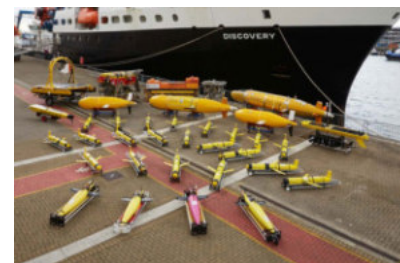


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Credibility: *Outreach & Communications*

- Partnerships and Collaboration
 - OSROs: ECRC, ACS, NOFO, MSRC, GOSR ++
- Bridging 'Research to Response'
 - Building new and growing existing links
 - Common interests and overlap
 - Autonomy, environmental impacts, ecotoxicology, surveillance, modelling, and visualisation
- Disseminating and sharing
 - *Itac*, Interspill, etc.
- Filling the gaps
 - Exercising, lessons learned, iterative and continuous improvement



Staying in touch

www.oilspillresponse.com

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» **www.oilspillresponse.com/subsea**
subseaservices@oilspillresponse.com

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