



ITOPF

Introduction to ITOPF





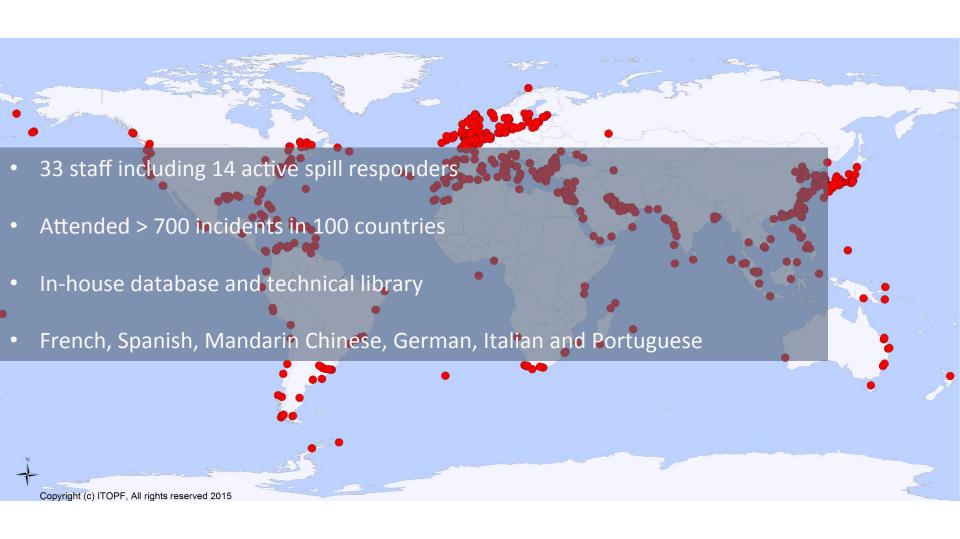
ITOPF Members & Associates





ITOPF Resources





Role on Site

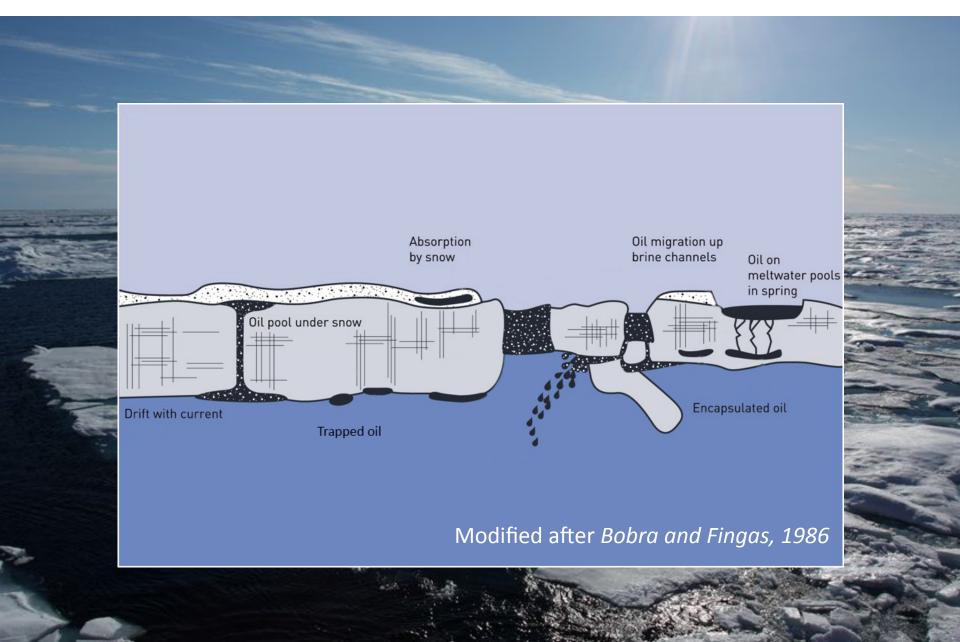




- Provide technical advice and promote effective response strategies
- Assist with securing equipment & organising clean-up
- Monitor spill response & investigate damage to resources
- Promote underlying principles of international compensation regime

Oil Fade and Behaviour



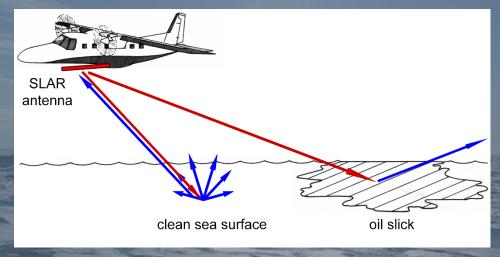


Detection of Oil





Aerial Surveillance



SLAR/SAR



GPR



AUV

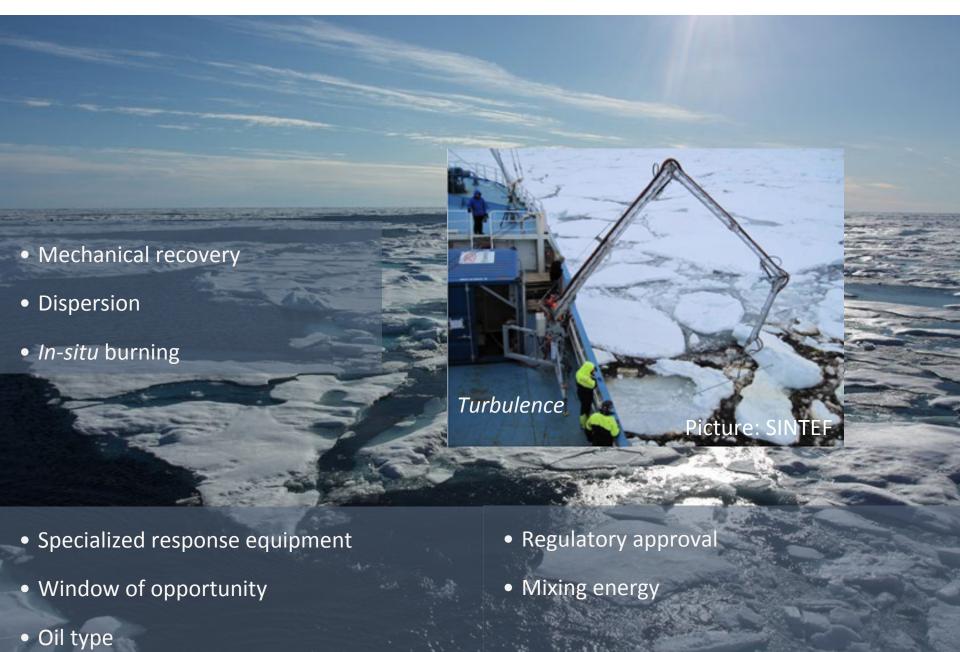
Response Operations





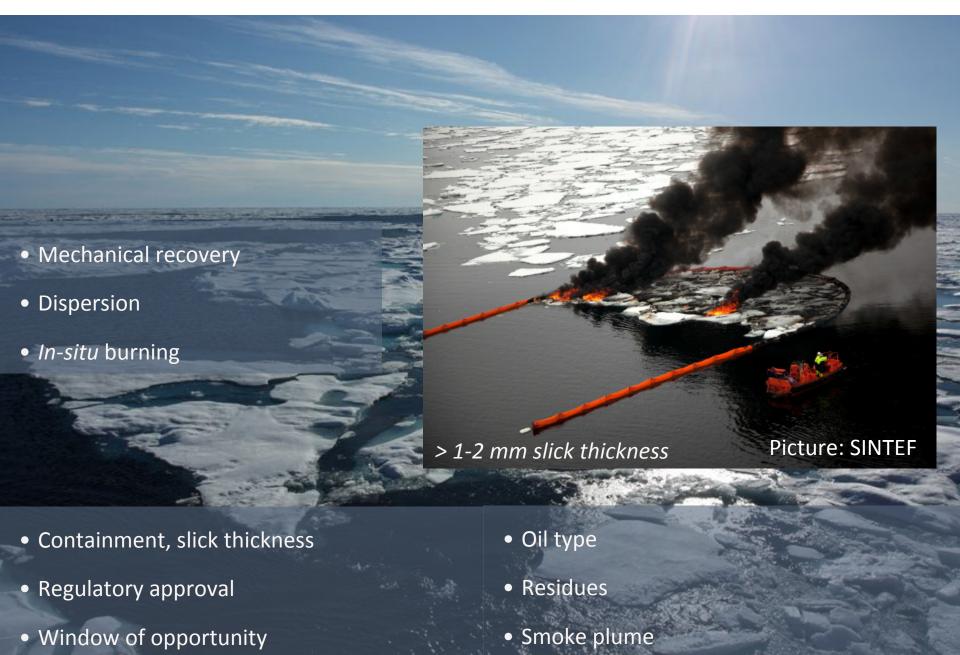
Response Operations





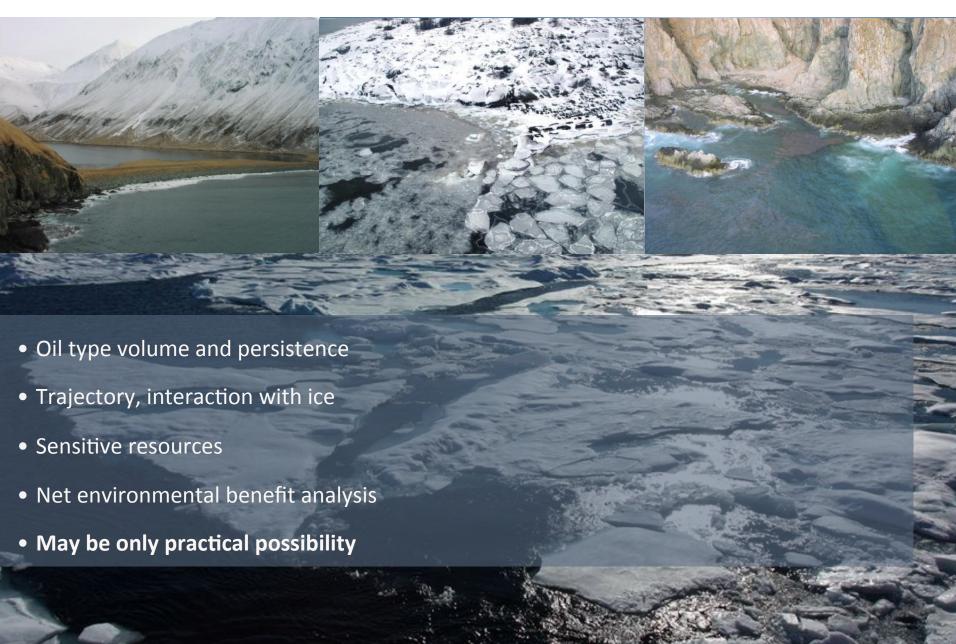
Response Operations





Natural Recovery





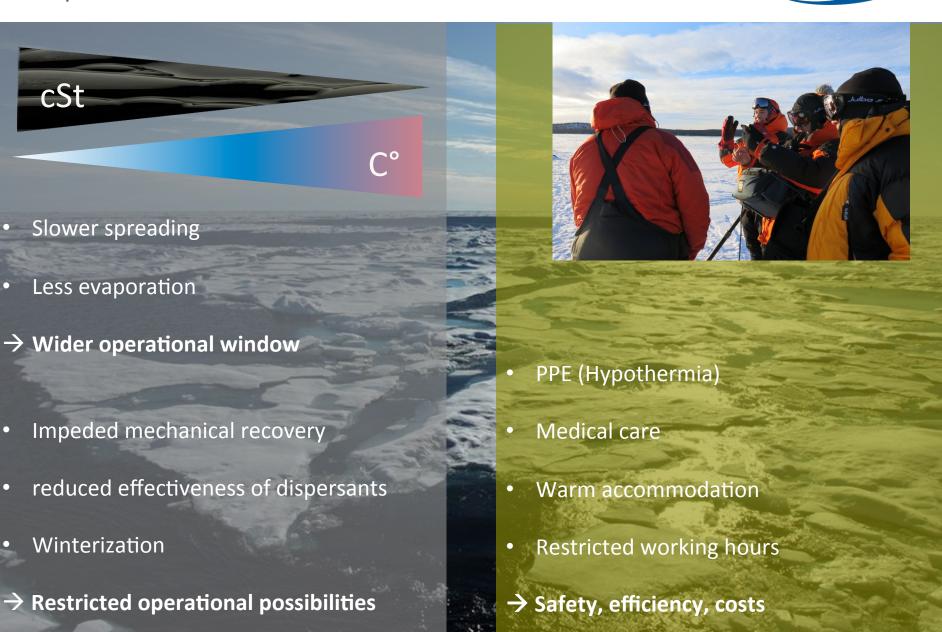
Arctic Features





Temperatures





Sea-ice Cover





- Natural containment
- Reduced spreading
- → *In situ* burning, mechanical recover
- Dampened waves
- ightarrow No natural dispersion



- Potentially hazardous
- Unpredictable (depending on location)
- Specialized skills
- Transport
 - → Logistical and safety challange

Remoteness





- Equipment (ships, skimmer, pumps etc.)
- Transport (safety, time, costs)
- Waste disposal (storage, disposal, treatment)
- Communications
- → Costs, practicability, logistics



- Sourcing Manpower (local volounteers)
- Arctic (survival) skills
- Health and Safety
- Accomodation
- Support and subsistence of workers
- → Costs, risks, logistics

Key Questions





Conclusion











Is a response possible?





Is a response necessary?





Shoreline Clean-up



