THEME 5
PROTECTION OF THE ARCTIC MARINE ENVIRONMENT

Clive Cole, WMU
There are two kinds of problems in the Arctic; the imaginary and the real.

Of the two, the imaginary are the most real.

Vilhjalmur Stefansson (1879–1962)
KEYWORDS

CUMULATIVE IMPACT ASSESSMENT
ENVIRONMENTAL ASSESSMENT
OFFSHORE OIL ACTIVITIES
SUSTAINABLE DEVELOPMENT

ARCTIC OIL SPILL RESPONSE OPERATIONS
ARCTIC OIL SPILL PREPAREDNESS
CONTAINMENT & RECOVERY DISPERSION
IN-SITU BURNING

ARCTIC ENVIRONMENT
EMISSIONS CONTROL
LNG FUEL
OIL RESPONSE
KEYWORDS

ARCTIC OIL SPILL RESPONSE AGREEMENT
ENVIRONMENTAL RISK BASED RESPONSE & PREPAREDNESS ASSESSMENT
INTERNATIONAL COOPERATION
OIL POLLUTION PREVENTION
OIL SPILL RESPONSE

CROSS-BORDER COOPERATION
EMERGENCY MANAGEMENT
EXTREME ENVIRONMENTS
INCIDENT COMMAND SYSTEMS
MASS EVACUATION
SAR OPERATIONS

ARCTIC
HIGH SEAS INTEGRATED APPROACH INTERVENTION
MARINE PROTECTION
OIL SPILL

9 Abstracts
30 Keywords
0 Identical Keywords
1: PREVENTION

- The OIL SPILL fear
  - Vulnerability… Remoteness
  - Implications & Difficulties
  - Intervention, Integrated Approach
- Fuel types… heavy fuel bans/ LNG
- Accidents/Impact… Torrey Canyon, Horizon etc
- Unpredictable changes

Prevention is better than cure!
2: RESPONSE

- Much research but a scarcity of concrete experience... local/global issues
  - *In situ* burning...
  - Preparedness... the ready capacity to respond
  - Options
  - Data collection priorities
  - Retention times

*Busy at being busy?*
3: COLLABORATION

- Good but could be (much) better!
  - Agreements
  - Mass evacuation... cross-border cooperation
  - Positive: data collection
  - Negative: Kursk submarine disaster
  - Partnerships: short-term, long-term
  - Resilient commitment?

Having the political will
4. INDUSTRY

- Oil, Tourism, Cruise etc
- Infrastructure gap issues
- Self-policing activities
- Untried technical aspects
  - eg how best to anchor a rig

Is the private sector able to take care of itself?
5. INVASIVES

- A real threat; regime shifts, fish communities *North*
- Not only through Ballast Water
  - Marine Debris
  - Diseases
  - Noise
- Sensitive areas

*No rats, no roaches!*
Finally, an invasive species?

“After the spill the authorities were looking for an escaped goat!”