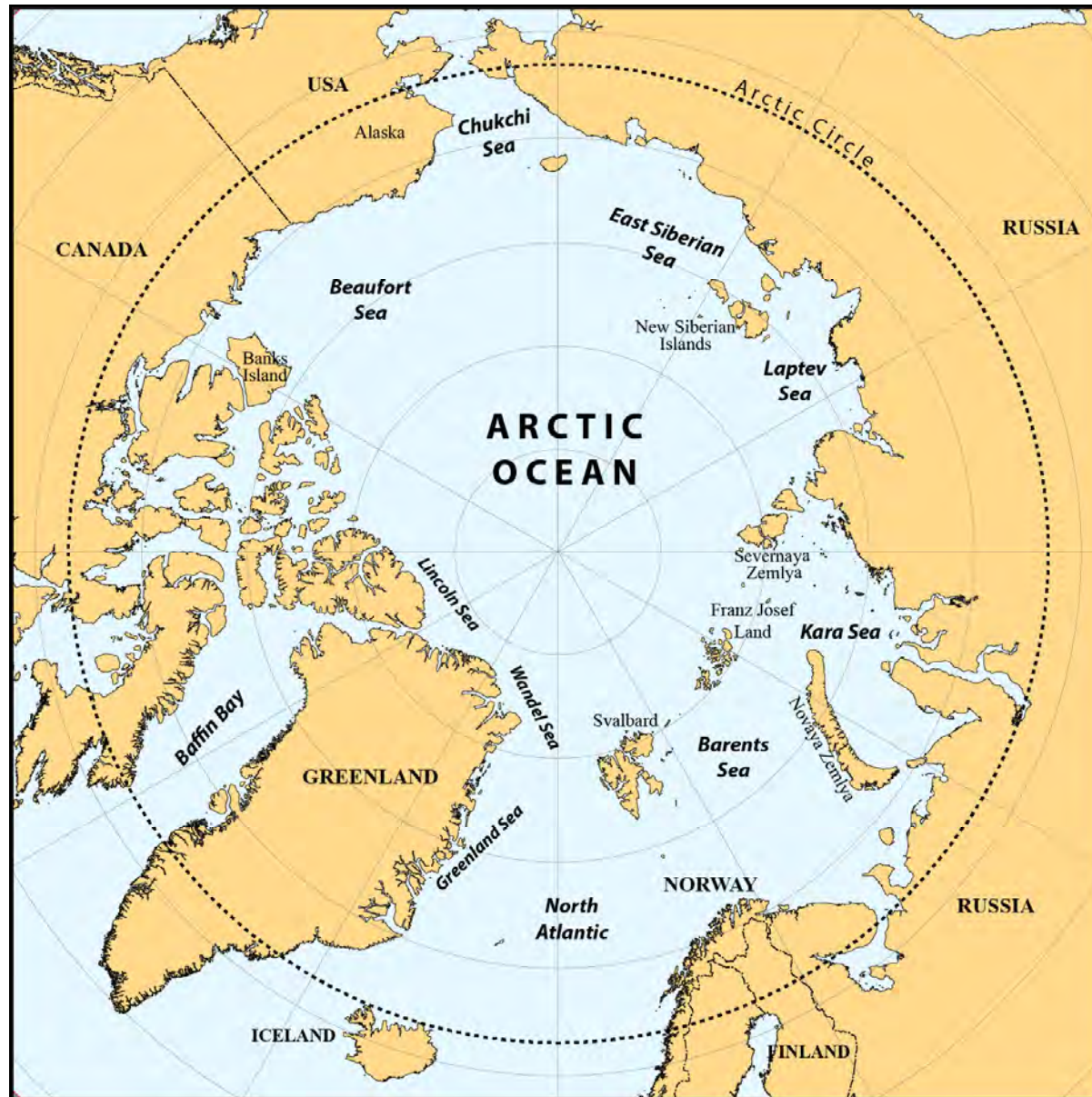




# Arctic Oil and Gas Resources: Exploring in the dark?

Robin Cleverly  
Marbdy Consulting Ltd




Arctic Oil and Gas Resources

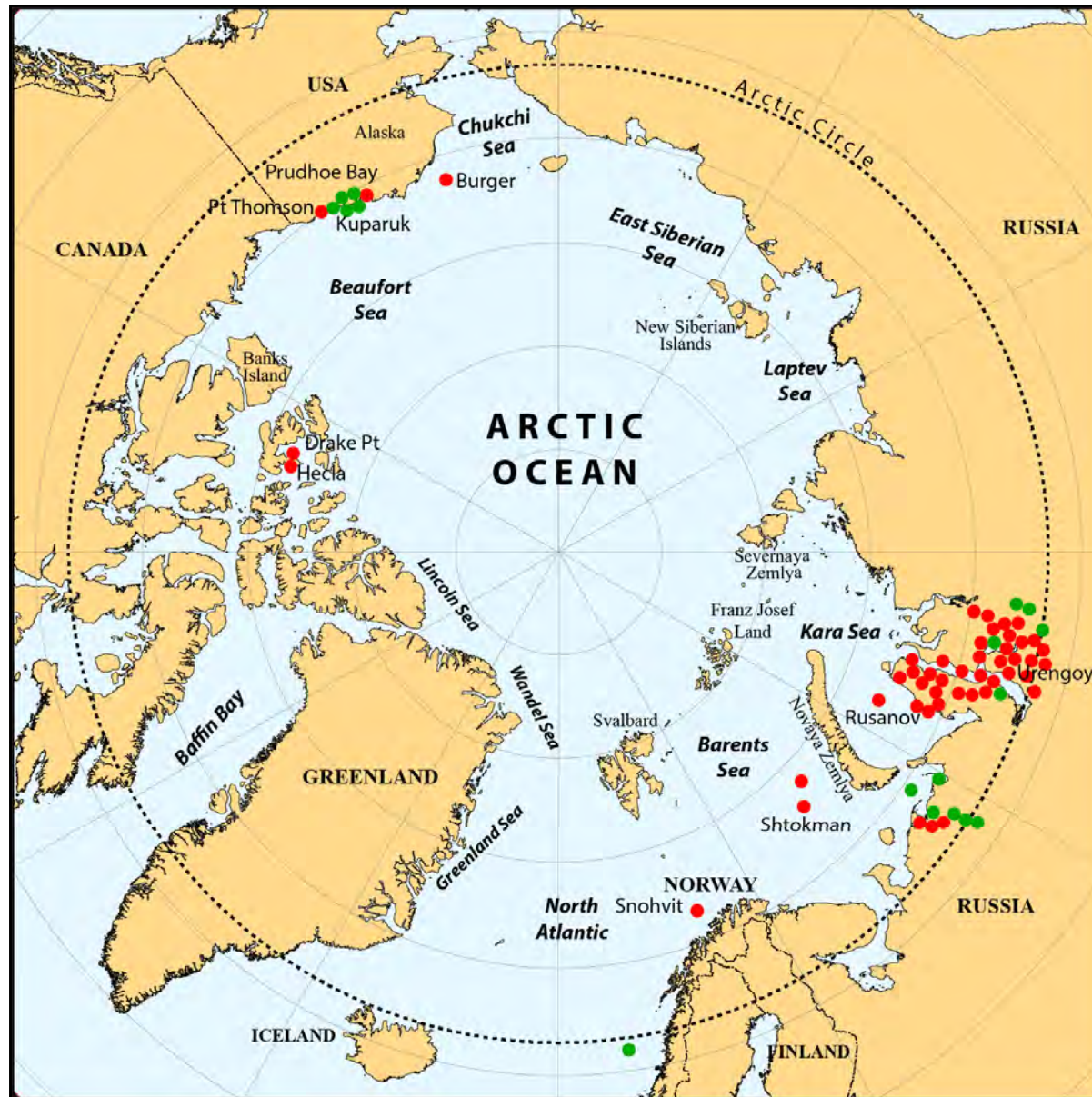
# ARCTIC OCEAN

## Sources

- International Bathymetric Chart of the Arctic Ocean IBCAO.org
- US Geological Survey Circum-Arctic Appraisal. USGS.org
- Arctic Petroleum Geology – Geological Society Memoir No 35
- Budzik. Arctic Oil and Natural Gas Potential. EIA

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Arctic Oil and Gas Resources

# ARCTIC OCEAN

Giant Oil and Gas Discoveries

- Oil Field
- Gas Field

Ca 500 discoveries  
 11 Super-Giant fields (>5 bn bbl)  
 54 Giant fields (>500 mmbbl)

Reserves:  
 ~ 70 bn bbl oil (2.5% global reserve)  
 ~1700 TCF gas (16% global reserve)





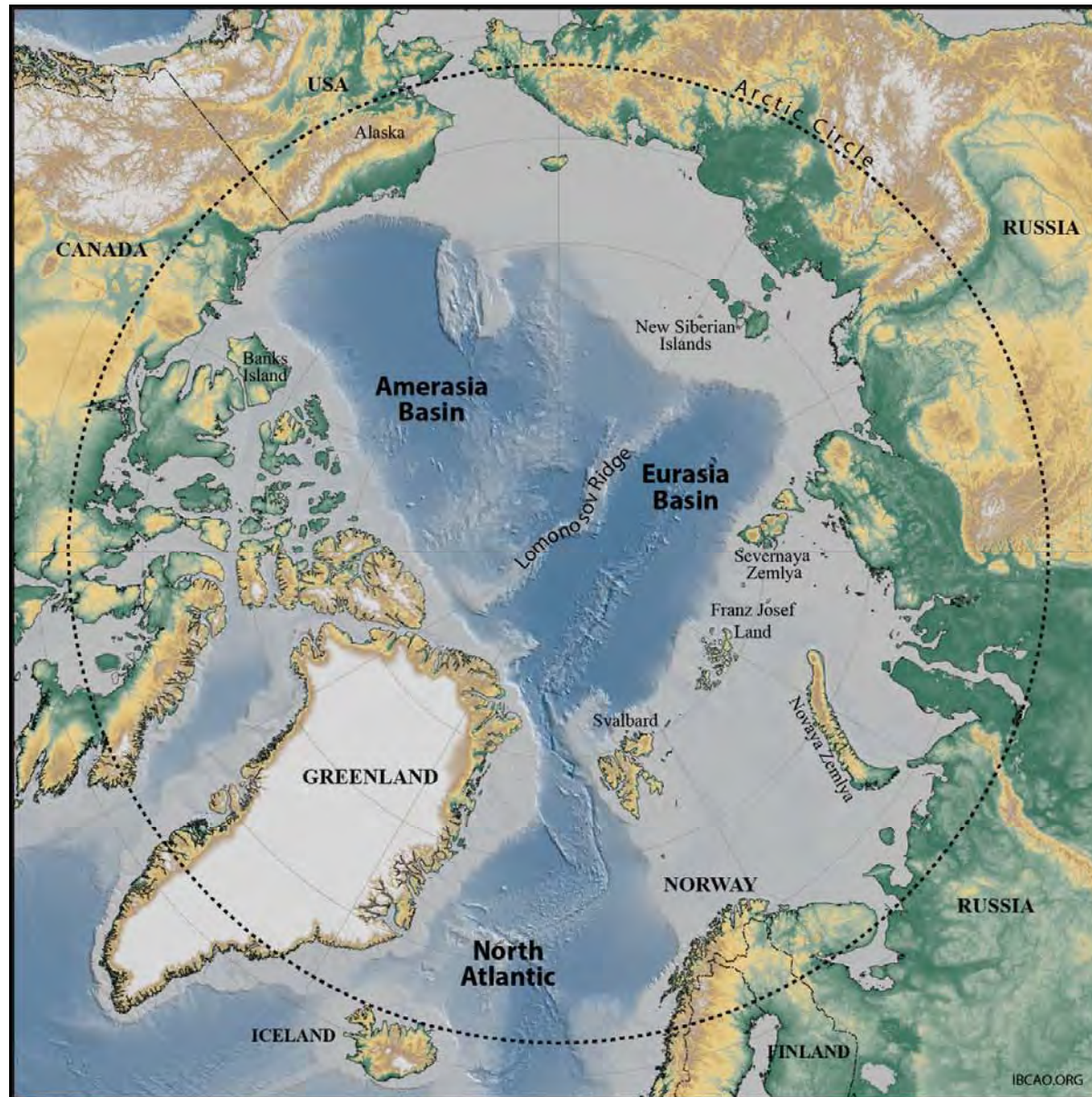
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Topography and Bathymetry

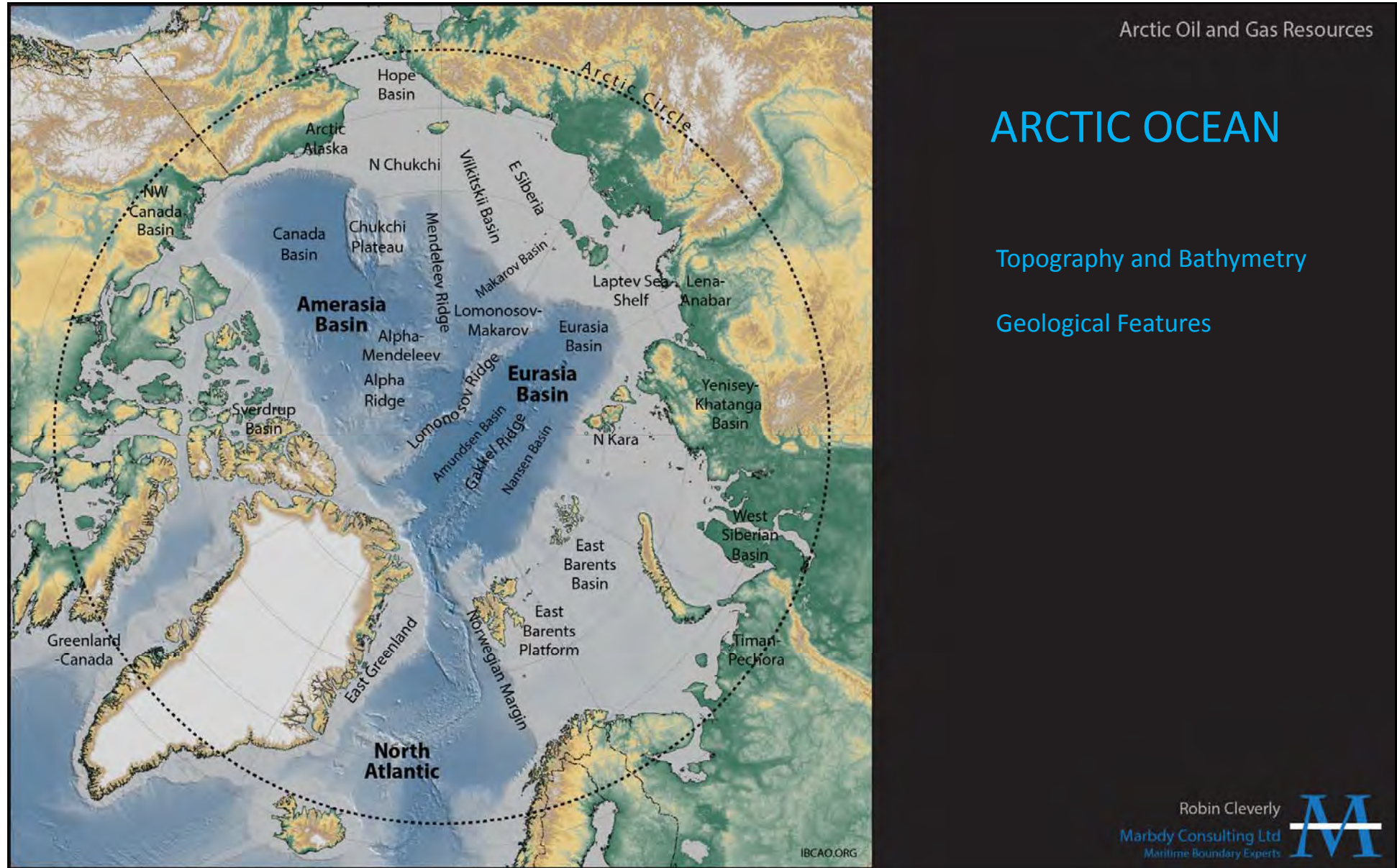
Major Basins

Bathymetry from  
International Bathymetric Chart of the Arctic Ocean  
IBCAO.org

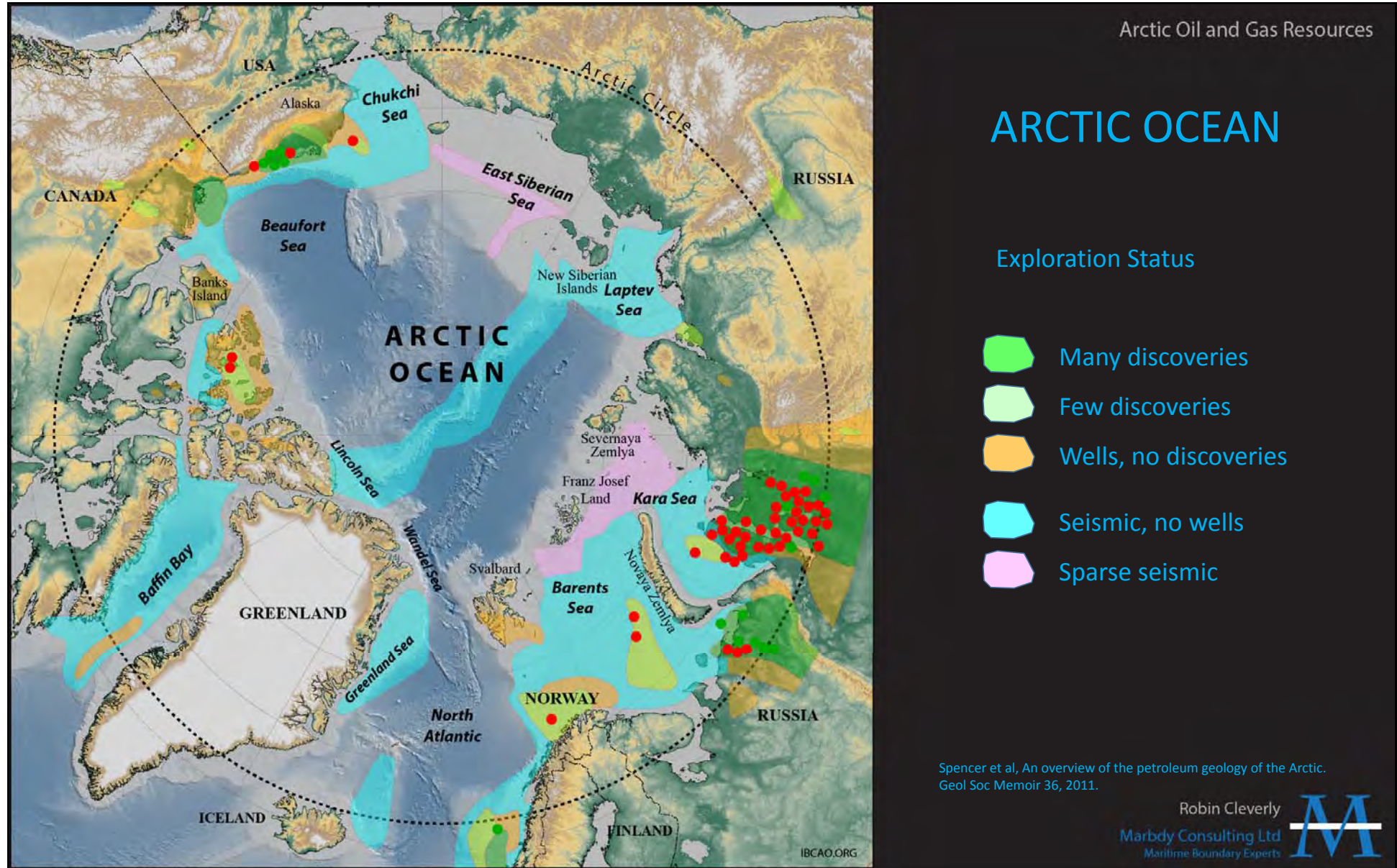
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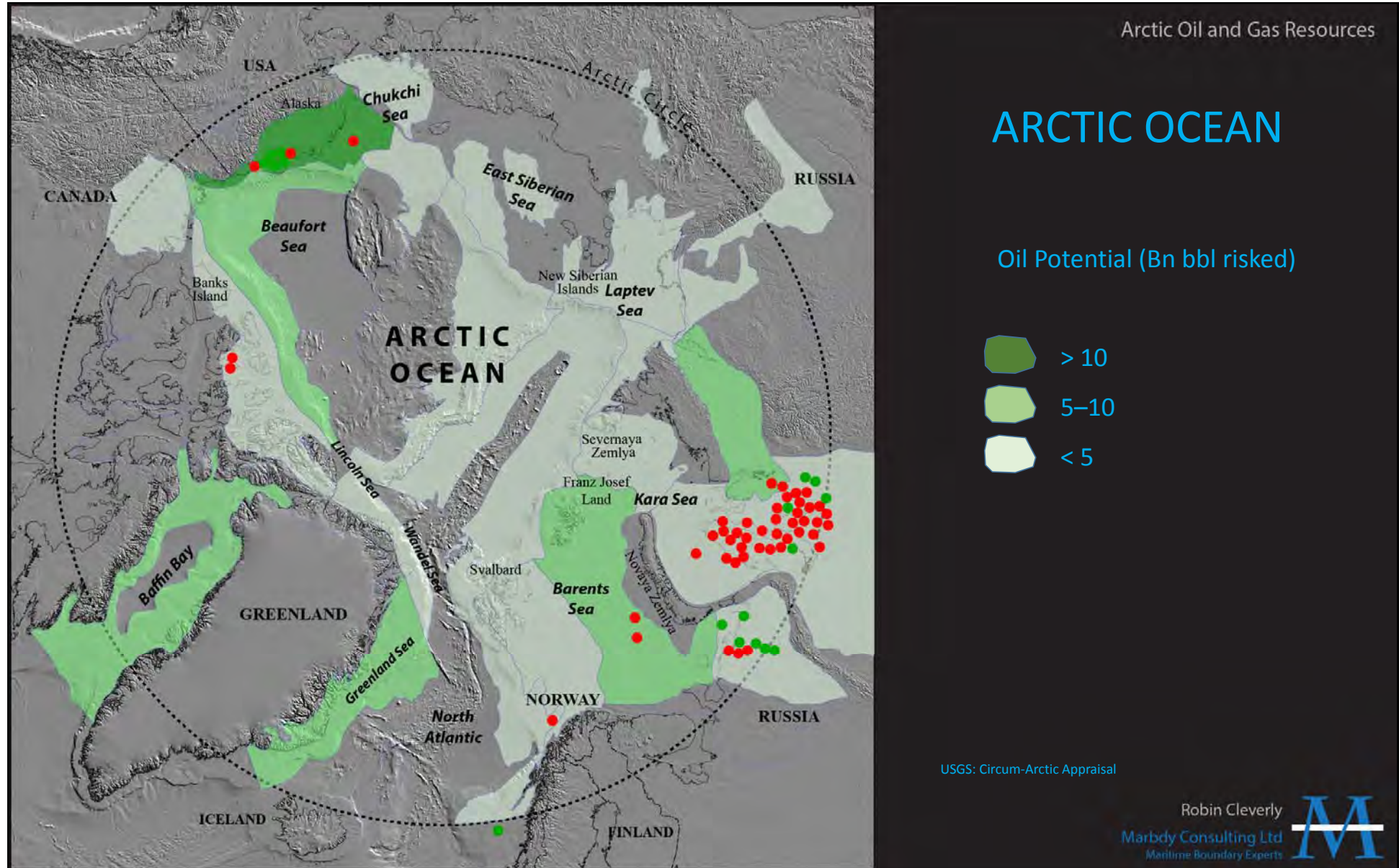




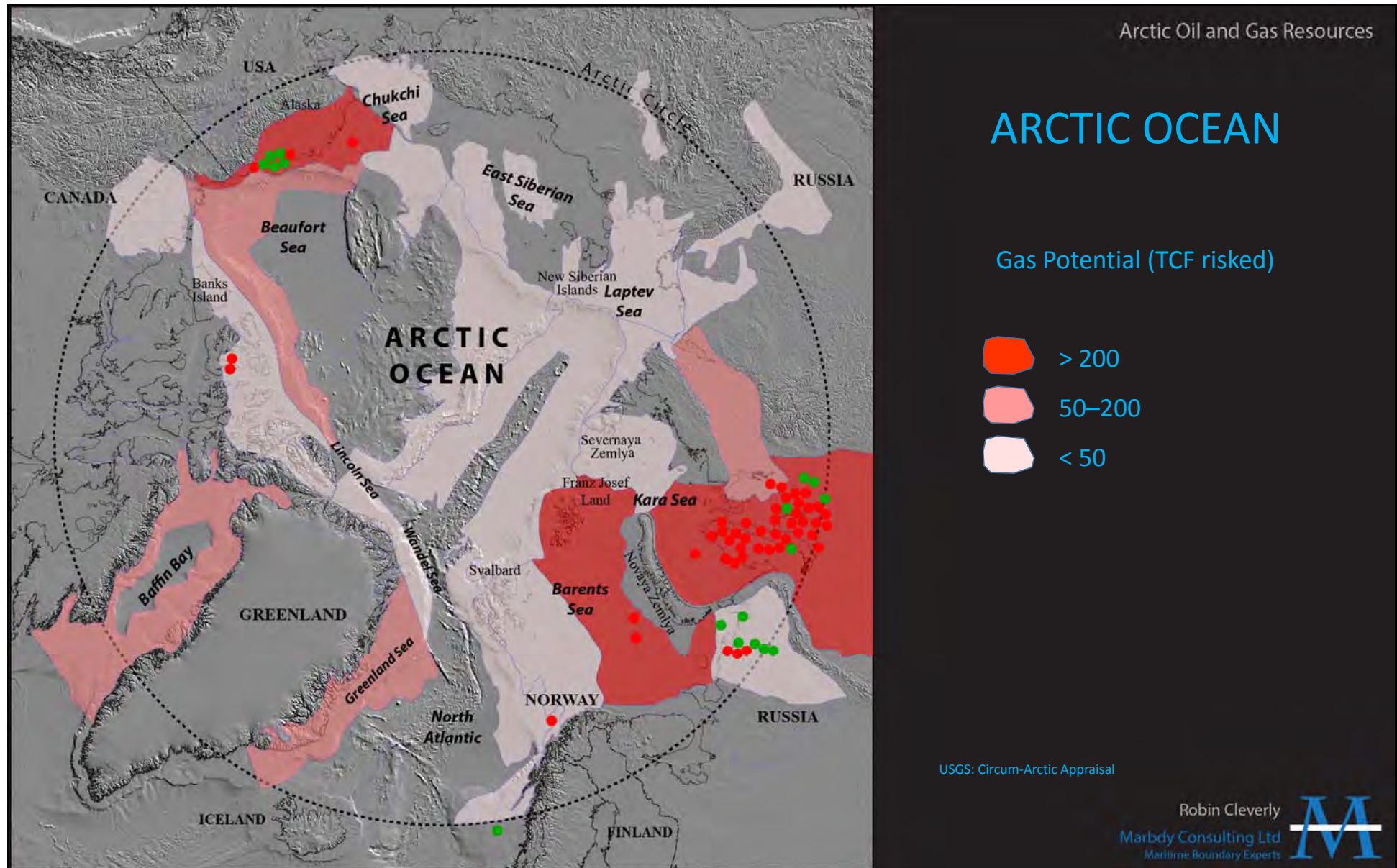


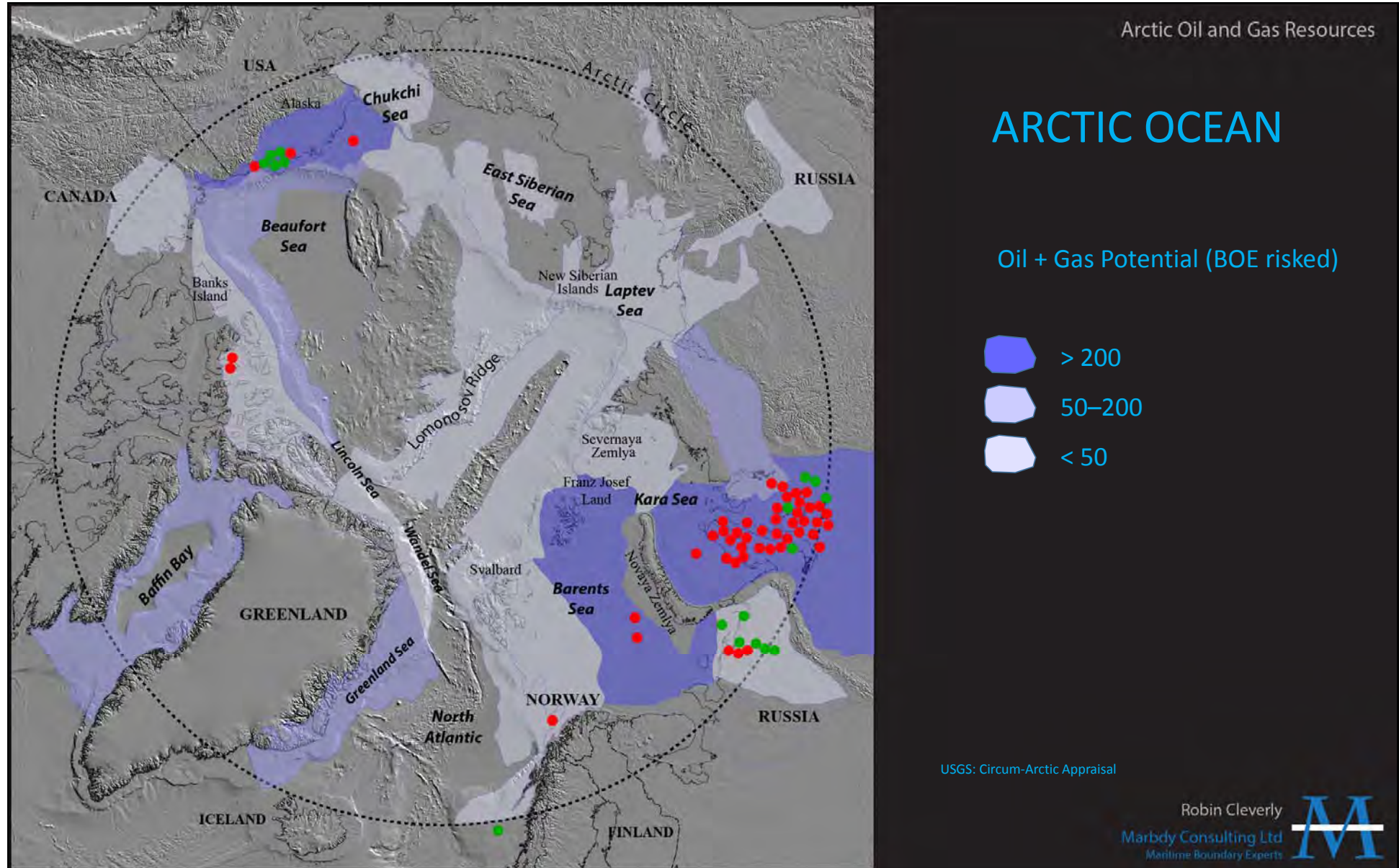




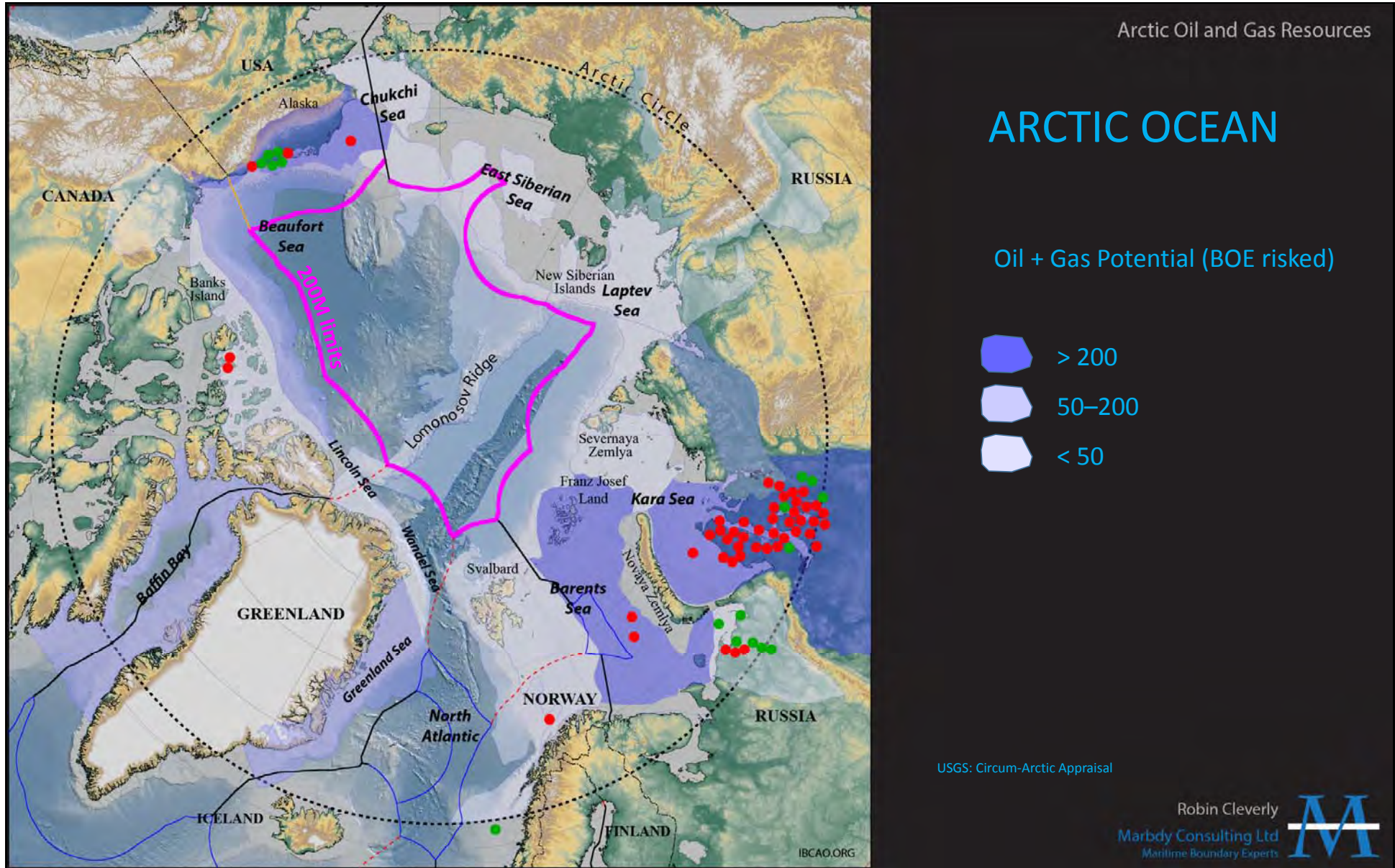




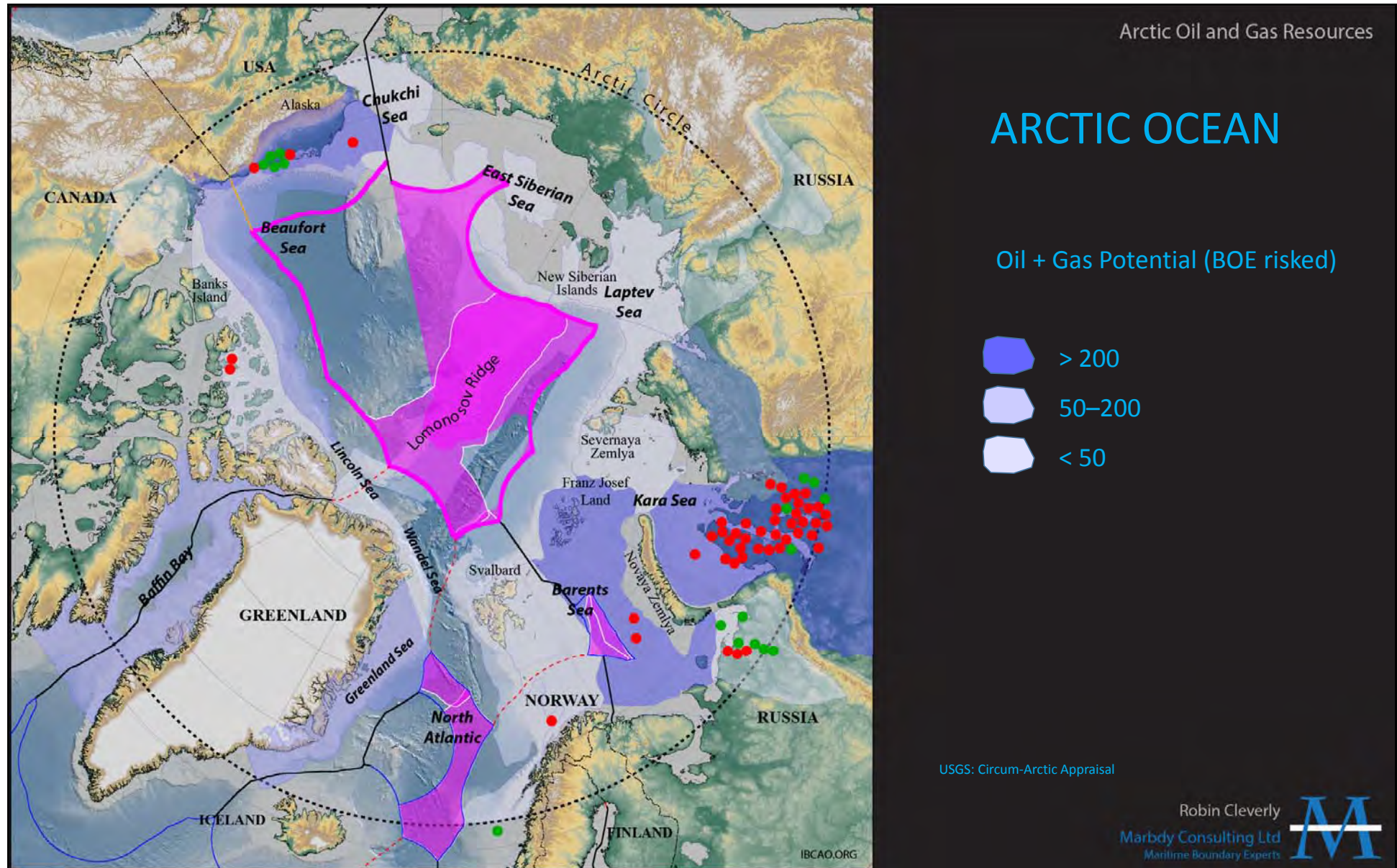
















Ice conditions at the North Pole from  
Denmark's Submission to the CLCS

