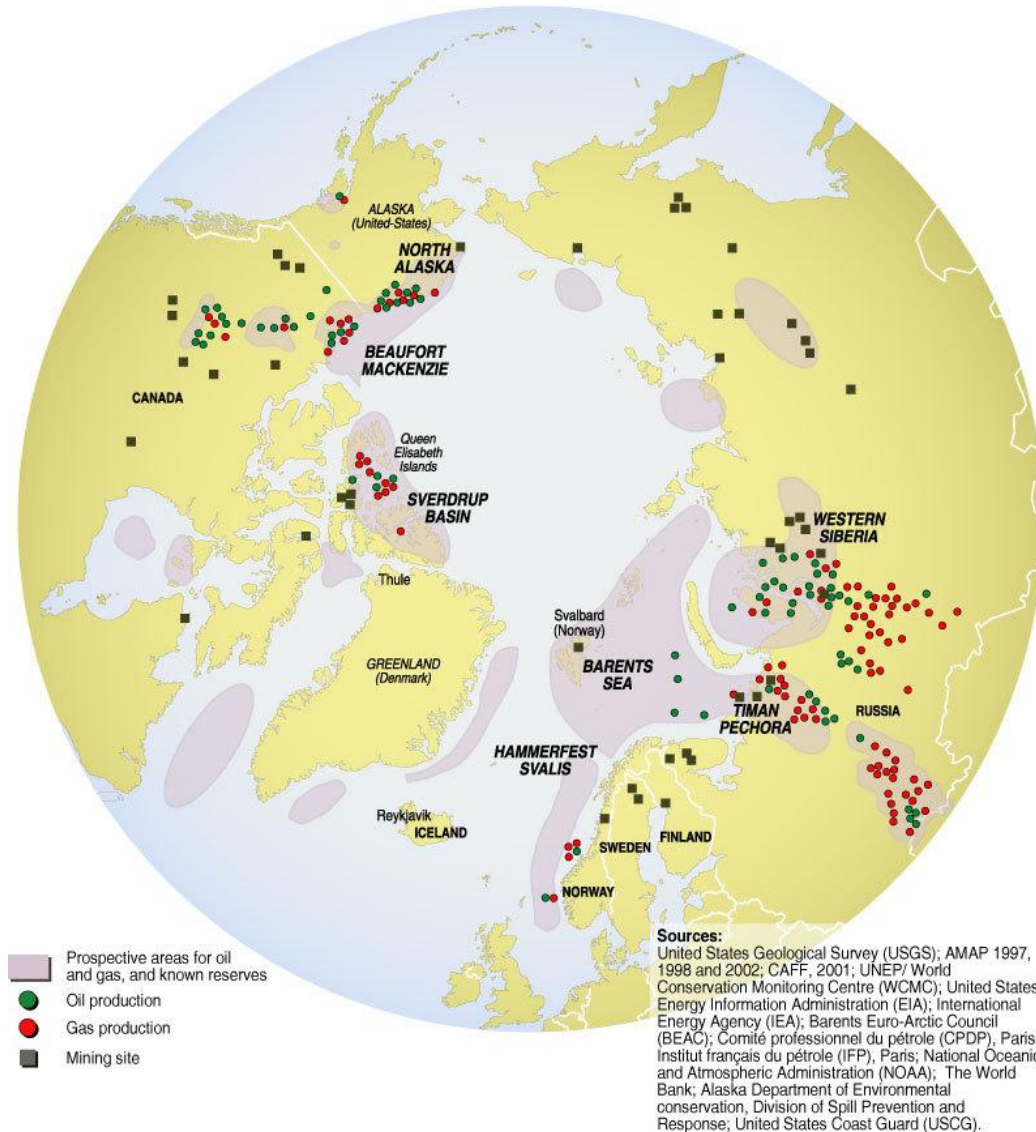


International Legal Framework – Arctic Oil & Gas Development

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Arctic Hydrocarbon Resources



Arctic Hydrocarbon Regions

- 25 Arctic regions believed to have significant hydrocarbon deposits
- 18 regions are within territory of a single state
- 7 are in disputed territory or cross international boundaries:
 - East Barents Basin (EBB)
 - Amerasia Basin (AM)
 - West Greenland-East Canada (WGEC)
 - Eurasia Basin (EB)
 - Lomonosov-Makarov (LM)
 - North Chukchi-Wrangell Foreland Basin (NCWF)
 - Hope Basin (HB)

Existing Treaty Coverage

- 2 regions are subject to existing cross-border field development agreement:
 - East Barents Basin and Eurasia Basin (Nor.-Rus.)
 - 2010 Barents Sea Agreement contains Annex on hydrocarbon resources
- 3 regions are subject to maritime delimitation agreements that do not address cross-border development:
 - North Chukchi-Wrangel Foreland Basin and Hope Basin (Rus.-US)
 - West Greenland-East Canada (Can.-Den.)
- 2 regions are not addressed by any treaty:
 - Amerasia Basin (Can.-US)
 - Lomonosov-Makarov (Can.-Rus.)

Existing Treaty Coverage

	Russia	Norway	Canada	Denmark	USA
Russia	***	2010 (EBB, EB)	<i>No treaty (LM)</i>	<i>No treaty (LM)</i>	1990 (NCWF, HB)
Norway	***	***	<i>No border</i>	1965, 1979	<i>No border</i>
Canada	***	***	***	1973 (WGEC)	<i>No agreement (AM)</i>
Denmark	***	***	***	***	<i>No border</i>
USA	***	***	***	***	***

Precedents for a Unitization Framework

- 2010 Barents Sea Agreement (Nor.-Rus.)

**Annex II
to the Treaty between the Kingdom of Norway
and the Russian Federation concerning
Maritime Delimitation and Cooperation
in the Barents Sea and the Arctic Ocean**

Transboundary Hydrocarbon Deposits

Article 1

The Unitisation Agreement between the Parties concerning exploitation of a transboundary hydrocarbon deposit, referred to in Article 5 of the present Treaty, shall provide for the following:

Precedents for a Unitization Framework

- 2010 Barents Sea Agreement (Nor.-Rus.)
 - Annex II – Transboundary Hydrocarbon Deposits
- North Sea Agreements (Nor.-UK)
 - Frigg and Statfjord Agreements
- Other bilateral international agreements
 - Australia/Timor L'Este; Trinidad and Tobago-Venezuela
- Examples of commercial parties providing solutions
 - Brunei/Malaysia

Forthcoming Arctic O&G Writings

- OGEL Special Edition on the Arctic Region: Boundaries, Resources and the Promise of Co-operation
 - <http://www.ogel.org/news.asp?key=299>