

**Program for exploration
and development of the continental shelf
of Russia to 2030**

ou

**Programme pour l'exploration
et le développement du plateau continental
de la Russie à 2030**

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GECON

5th Annual Conference
Arctic Shipping North America
29th October, 2012 Montreal, Quebec

CONTENT

1. Program for exploration and development of the continental shelf of Russia up to 2030: condition of development and reefs
2. The international cooperation in the Arctic - politicians give way to business
3. We need new generation for the Arctic activity

GECON: ARCTIC OIL&GAS PROGRAMS, INVESTMENT PROJECTS AND PORT FACILITIES MONITORING



Scientific council of Security council of the Russian Federation



Plenipotentiary of the President of the Russian Federation to the Northwest Federal District



Coordination council on cross-border and interregional cooperation
(governors, FCS, FBS etc.)



Expert group concerning development of mineral resources and development of transport system in Arctic regions



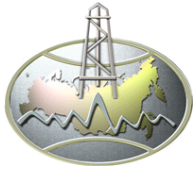
Ministry of natural resources and ecology of the Russian Federation

Ministry of regional development of the Russian Federation



INTSOK RU-NO Russian-Norwegian group for the business cooperation for the Arctic HC development
1. Logistics and transport

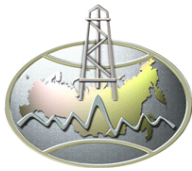




**MINISTRY OF NATURAL RESOURCES
AND ECOLOGY OF THE RUSSIAN FEDERATION**

Program for exploration and development
of the continental shelf of Russia up to 2030

RUSSIAN OCS PROGRAM - 2030



RUSSIAN OCS PROGRAM - 2030

EXISTING LICENSES: by 2030 production volumes will be reached:
 oil – 66 million t (12), gas – 231 billion m cubic (44)

VOLUMES of prospecting works and results (2012-2030)

FEDERAL BUDGET (incl./or PPP)


2D Seismic 626 000 km
 Stratigraphic wells 9 (41 000 m)


COMPANY-OPERATORS


2D Seismic 256 330 km
 3D seismic 73 110 km sq
 Exploration and appraisal wells 289 (653 800 m)

Discovered reserves – 14 700 million tonnes OE,
 crude oil - 1 400 mln. t
 gas - 13 300 bln. m³ 90%

Shelf	Unlicensed area 82 bln. RUR (Federal budget & PPP)			Licensed areas		
	2012-2015	2016-2020	2021-2025	2012-2015	2016-2020	2021-2026
Barents and Kara seas to the north of 75 N	41	1	2			
Laptev sea		1	1			
East Siberian sea	160	361	1			
Chukchi sea		1				
Okhotsk sea	64		1			
Caspian sea						
Black sea						
Baltic sea						

 Regional seismic survey, *1000 km

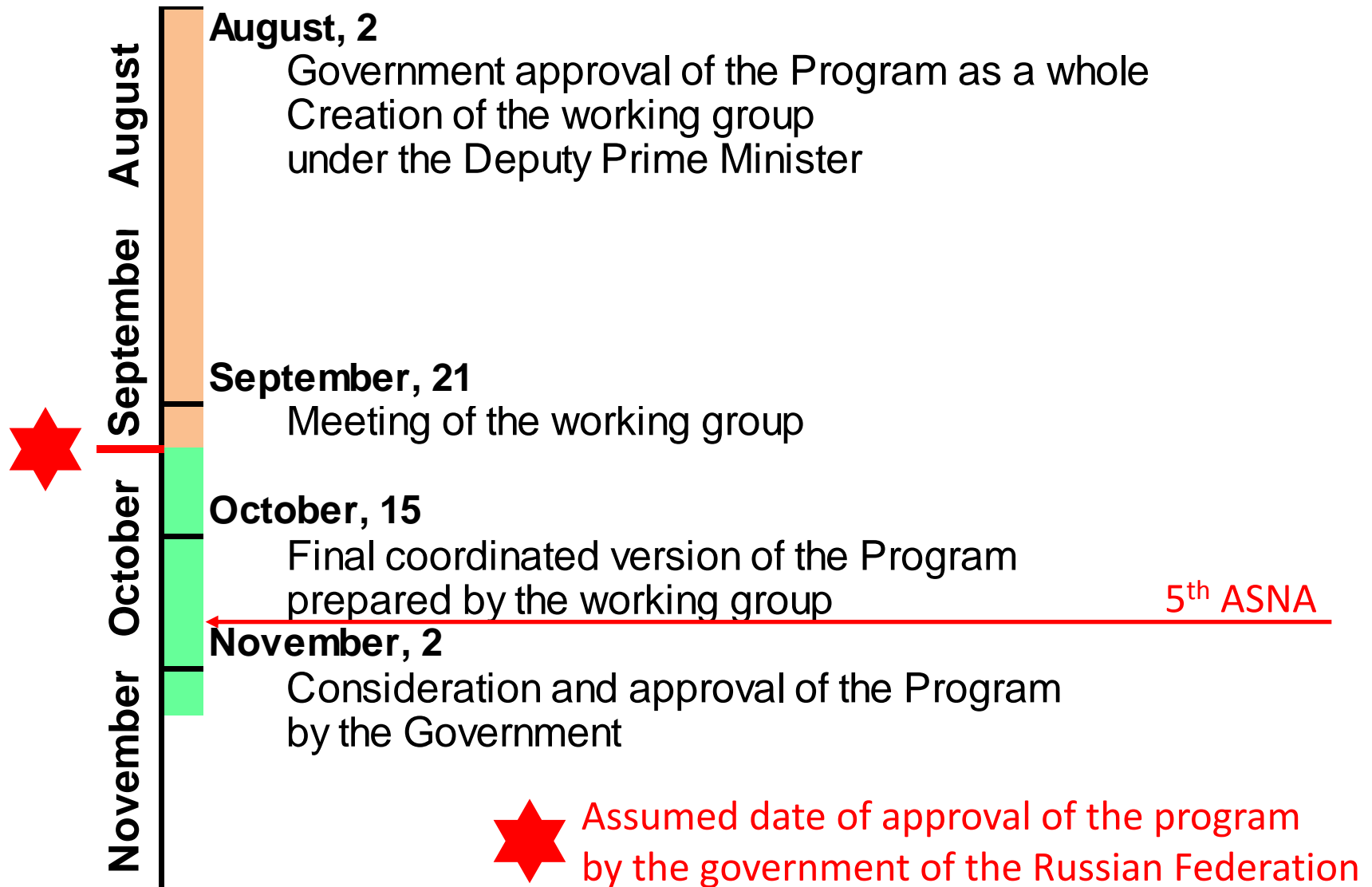
 Number of stratigraphic wells

 Licensed areas seismic survey

 Exploration wells

 Appraisal wells

REVISED SCHEDULE OF PREPARATION AND THE APPROVAL OF THE OCS PROGRAM



MINISTRY OF NATURAL RESOURCE VS STATE COMPANIES



The proposal of the Ministry of natural resources of the Russian Federation to open access to works on a shelf to a wide range of participants met sharp objection from the state companies

Ministry of natural resources

MNR: If the new application of the state companies is satisfied, they will get the exclusive rights for 82 % of shelf resources (now 41 %)

MNR: State companies carry out exploration inefficiently. For example, at Rosneft's three licence blocks in the Kara Sea there are 23 «perspective structures», but according to the license agreement till 2020 it is necessary to drill only four exploration wells.

Rosneft and Gasprom

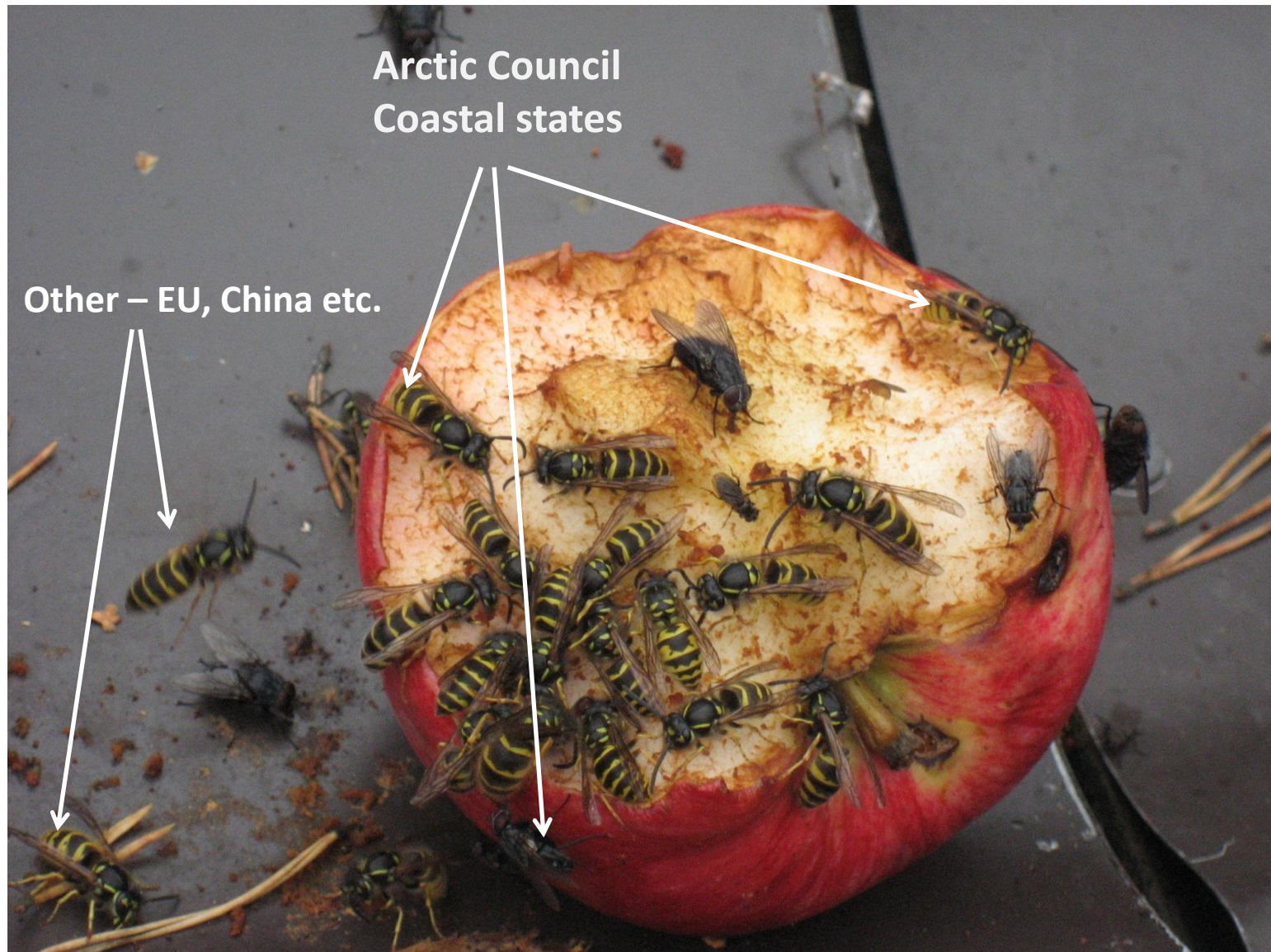
SC: The private companies which obtain the license for development of a shelf, can't guarantee the investments unlike the state ...

SC: Private companies (...) invest not enough money in high-risky projects on geological exploration

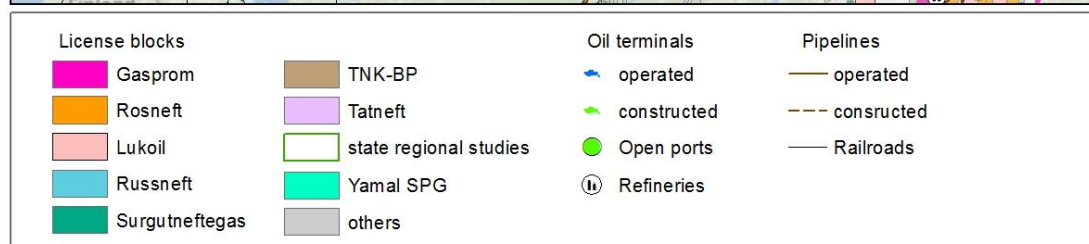
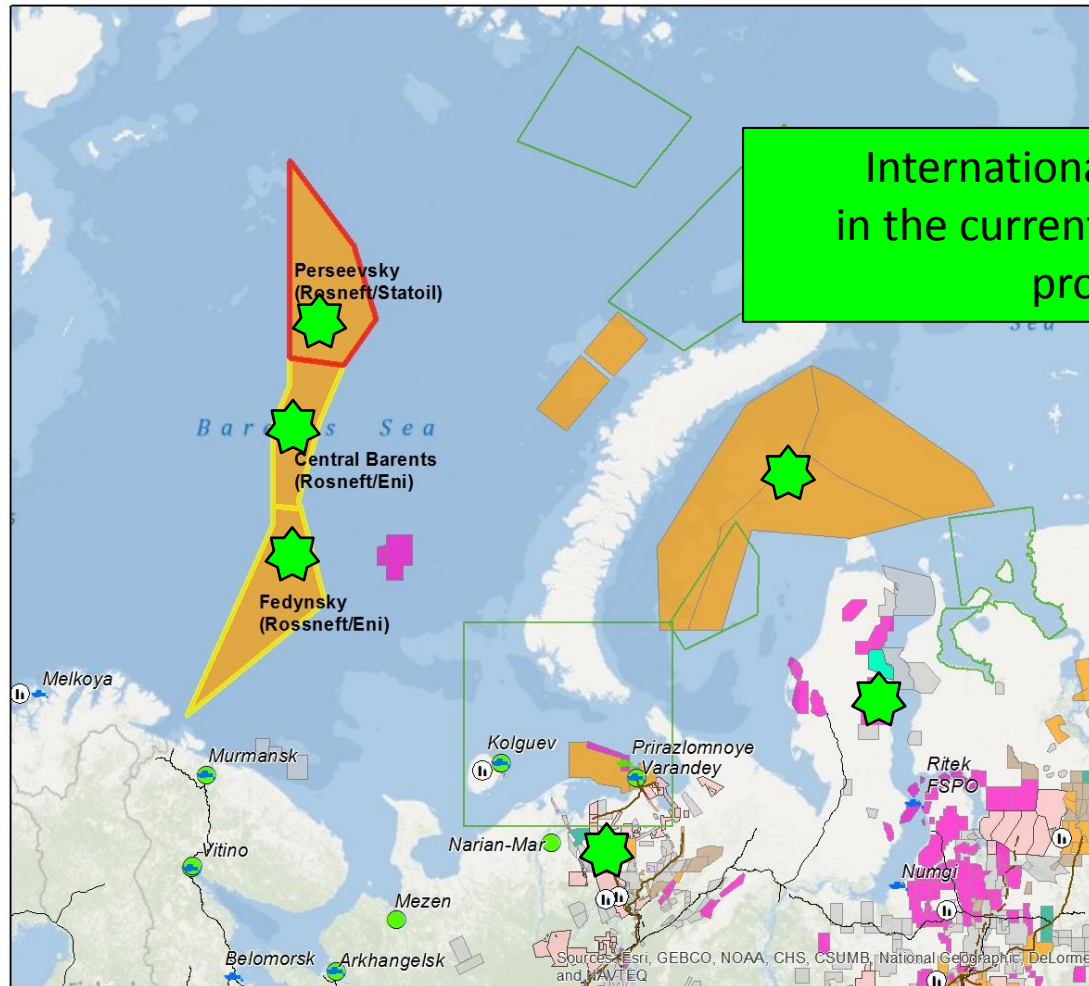
By 1st of November the government of the Russian Federation should make the decision — whether to start up the private companies on a shelf along with the state ones

The international cooperation in the Arctic -
politicians give way to business

INTERNATIONAL COOPERATION FOR THE DEVELOPMENT OF THE ARCTIC RESOURCES



LICENSE BLOCKS AND INFRASTRUCTURE IN THE RUSSIAN ARCTIC



RU-NO PROJECT IS TAILOR-MADE TO DEVELOP INCREASED INDUSTRY COOPERATION BETWEEN NORWAY AND RUSSIA IN THE HIGH NORTH



The RU-NO Project - Windows Internet Explorer

http://intsok.ru/

Файл Правка Вид Избранное Сервис Справка

Google Поиск Поделиться Дополнительно Войти

Избранное The RU-NO Project

Chevron

INTSOK
Norwegian Oil and Gas Partners

RUSSIAN - NORWEGIAN OIL AND GAS INDUSTRY COOPERATION IN THE HIGH NORTH
- A National Strategic Project

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ROSNEFT
close to be participant

GAZPROM

eni

Statoil

TOTAL

The RU-NO Barents Project

These are our Focus Areas...

move the mouse over the images, and read a brief summary of each area...

- Logistics and transport**
- Drilling, Well Operations and equipment**
- Environmental protection, Monitoring Systems and Oil Spill Contingency**
- Pipelines and Subsea Installations**
- Floating and fixed installations**

Our Tasks

Mobilize the Russian and Norwegian industry to:

- Assess common technology challenges Russia and Norway face in the development of the High North
- Analyze
- Based

Partners in the current Russian Arctic projects

RU 3:40 29.10.2012

RU-NO: ORGANISATION AND COMMITTED PARTNERS



LOGISTIC & TRANSPORT PORT FACILITIES CHART



PURPOSE - THE OBJECTIVE ASSESSMENT OF POSSIBILITIES OF USE OF PORT FACILITIES AT VARIOUS STAGES OF DEVELOPMENT OF OIL AND GAS OF THE ARCTIC SHELF:

- EXPLORATION- SEISMIC AND DRILLING
- CONSTRUCTION OF FIELDS AND LOCAL INFRASTRUCTURE DEVELOPMENT
- OPERATION OF FIELD PRODUCTION
- TRANSPORTATION OF OIL AND GAS (INCLUDING LNG)

CHARACTERISTIC OF PORTS:

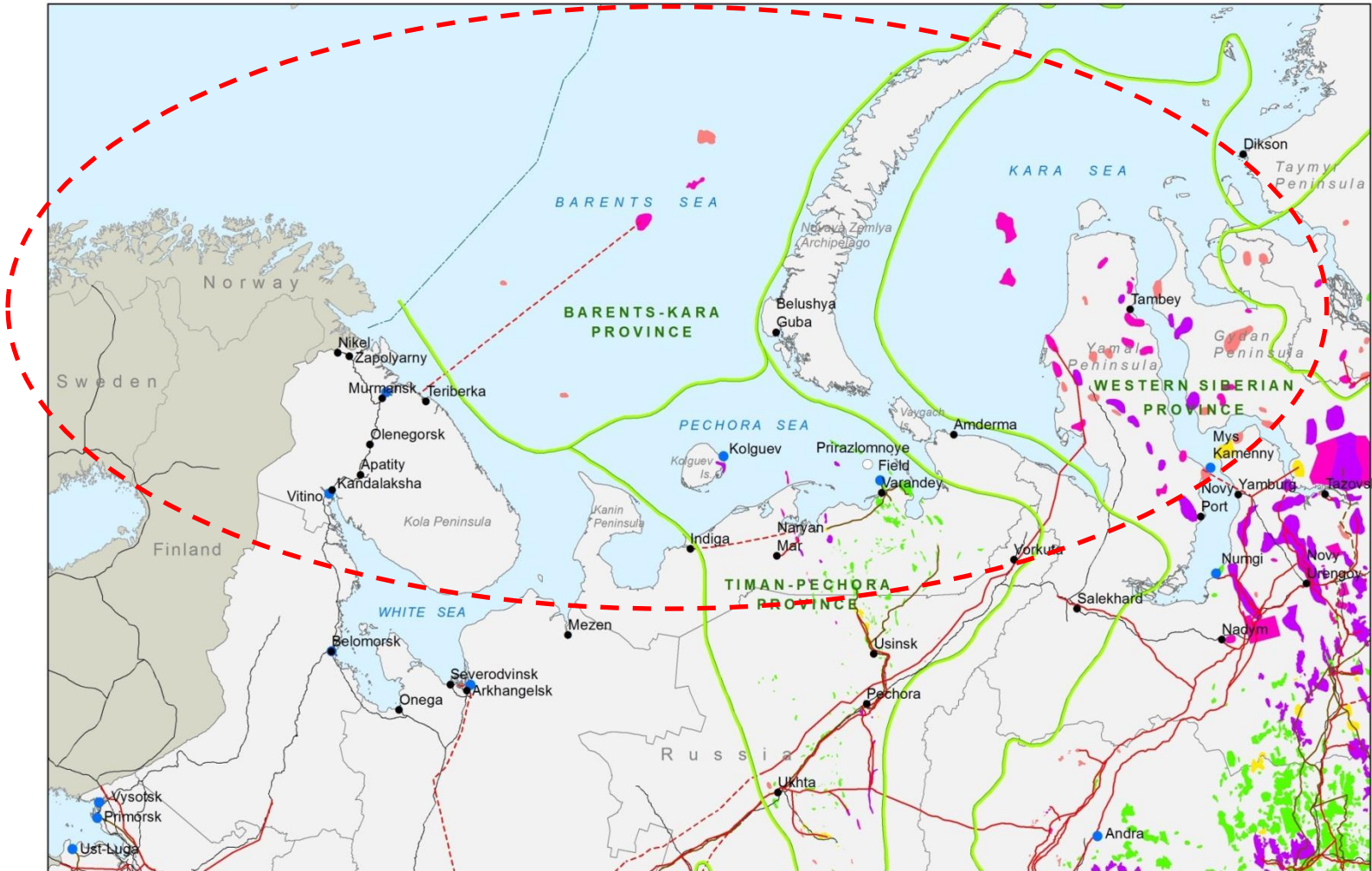
ENSURING SAFE NAVIGATION, RESCUE EFFORTS, ETC.

CHARACTERISTIC OF THE CITIES:

PREPARATION OF THE PERSONNEL OF DIFFERENT PROFILE, PERSONAL ACCOMODATION, HOSPITAL, REPAIR PLANTS, ETC.

RUNO L&T: Optimization of port capacities of northern regions of Russia and Norway for development of oil and gas of the Arctic shelf

AREA OF COOPERATION



ANALYSIS PRINCIPLES

Hierarchy

Country

Subject of Federation/Province

Port administration

City/Settlement

Stividor

General port characteristics

General city characteristics

Stage	Operations	Stividor	Port	City
Seismic survey	bases of supply base of change of crew bunkering of seismic vessels maintenance facilities		existence of places for seismic vessels staying in winter navigation / stormy period	Location of the seismic organization Airport Existence of a border check-point

Stages	Facilities	

	Reg adm interest	Governor approvement	Team
Arkh	yes	yes	yes
NAO	yes	yes	yes
Murm	yes		

- planned
- existed
- experienced

Deadline for Russia: 1st of December, 2012

As on 29th October, 2012

RUNO L&T Results Communication

- Local authorities: what we do really have and what is our competitive advantage (Russia and Norway)
- Russian Federation
 - Ministry of regional development
 - Ministry of transport – port facilities development
 - Ministry of natural resources – for planning of the offshore HC licensing
- Kingdom of Norway
 - Hope to be the same
- Arctic council format change - transition to support of cooperation of the international business, first of all Arctic coastal states {9th April, 2013}
- **Open international access to monitoring of data**

We need new generation
for the Arctic activity



GOALS OF INTERNATIONAL COOPERATION

	Challenges	Goals of international cooperation
Basic conditions	Geopolitical situation (intergovernmental agreements)	Territorial settlement
		Coordination of programs of licensing
		Development of transboundary fields
		Cross-Arctic transport infrastructure development
	Human potential: Common understanding	Educational partnership
International forums / discussions		
	Uniform standards of the industry	
Problems of stages	Regional researches and estimation of resource potential	HC bearing basins modeling at a whole
		Uniform classification of resources and reserves
	Technical equipment	Design and building of rigs, supplying vessels and tankers of an ice class
	Licensing /Exploration	Expansion of access of the nonstate companies
	Construction of fields infrastructure	Logistical schemes with the international division of labor
	Field development	Use of the «best available techniques» and working out of new technologies
	Production export on the markets and NSR transit transportations	Coordination of development of transport systems
		Rescue services
	Safety of environment	Ecological monitoring: production areas / NSR
Preparedness and response to marine oil spills		

12th St. Petersburg International Energy Forum www.forumtek.ru
September 18-20, 2012



UNIVERSITY OF
NORDLAND



International Youth Research Conference, September 20.2012
St. Petersburg (Lenexpo), Russia



NEXT STEP

Now we discuss the possibility of carrying out the next youth research (PhD students) conference as a part of the

11th International Conference and Exhibition for Oil and Gas Resources Development of the Russian Arctic and CIS Continental Shelf (10-13 September 2013, Saint-Petersburg, Russia).

RAO/CIS Offshore 2013

We are open for the cooperation.

Welcome on board!



THANK YOU FOR ATTENTION !

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