



Response capacity for oiled wildlife and clean up in the Russian Arctic

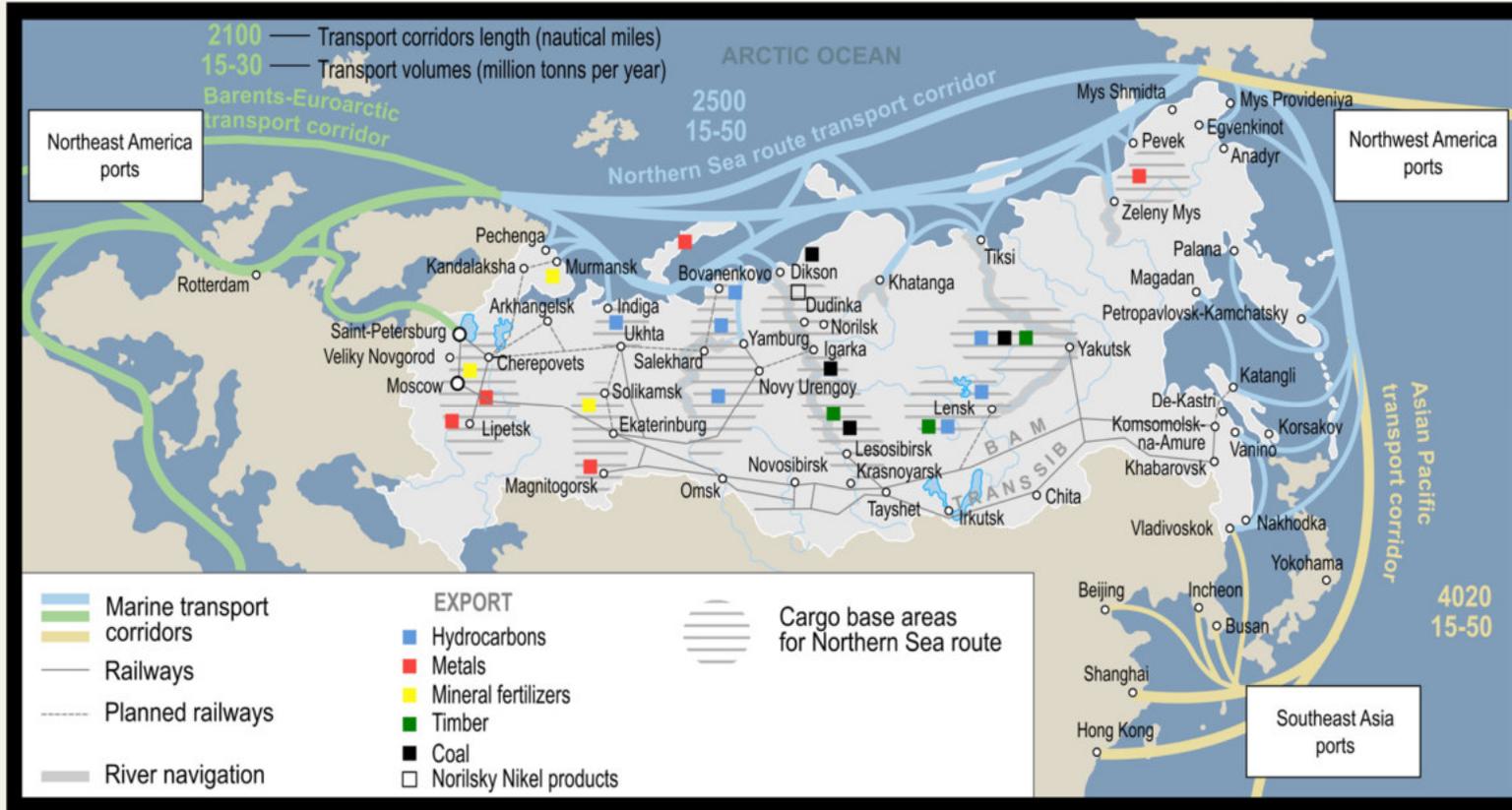
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CAFF Arctic Biodiversity Congress,
10 October, 2018.



Russian Arctic economic development – shipping in priority



Up to 80 mln tons cargo by 2024, currently less than 10 mln



Oil spills in Arctic – still problem without solution?



Чему научит нас "Надежда"?

Уроки катастрофы, распределение ответственности и пробелы в системе предотвращения и реагирования на аварийные разливы нефти в свете аварии танкера "Надежда" у берегов Невельского района на острове Сахалин 28 ноября 2015 года



© РОО "Экологическая вахта Сахалина", 2017
при участии СРОО "Клуб "Бумеранг" и Всемирного фонда природы (WWF России)

г. Южно-Сахалинск
Апрель, 2017

Oil spill on Sakhalin, 2015
Tanker "Nadezda"



Russian Government activities

There is still a **significant gap** in the development of the Oiled Wildlife Rescue (OWR) national system in Russia.

Some progress after 2014 - Russian President Order on Arctic safety.

(No. Pr-1530 on 29.06.2014).

There was crucial item for wildlife preservation:

Item 3a: *develop a set of measures aimed at preserving biological diversity, including the prevention of wildlife loss due to oil spills in the Arctic region of the Russian Federation.*

The **set of measures** was approved by A.G. Khloponin, the Deputy Prime Minister of Russia, on 22.07.2015. The set includes three sections:

- 1. Measures to ensure environmental safety and biodiversity preservation.*
- 2. Measures to improve the legal and methodological framework of regulating oil production and preventing oil spills at sea.*
- 3. Measures to prevent wildlife loss due to oil and oil product spills*



Oil companies update

Sakhalin Energy (Sakhalin II operator) first time every in Russia developed a Program of rehabilitation of animals covered in oil and build rehabilitation centre.

Currently this initiative slowly transfer into Arctic

Companies	OWR corporate program (2017)
Sakhalin Energy (Sakhalin 2)	Green
Novatek	Red
LUKoil	Yellow
Exxon neftegaz (Sakhalin 1)	Green
Zarubezhneft	Green
Rosneft	Red
Gazprom	Red
Gazprom neft	Red

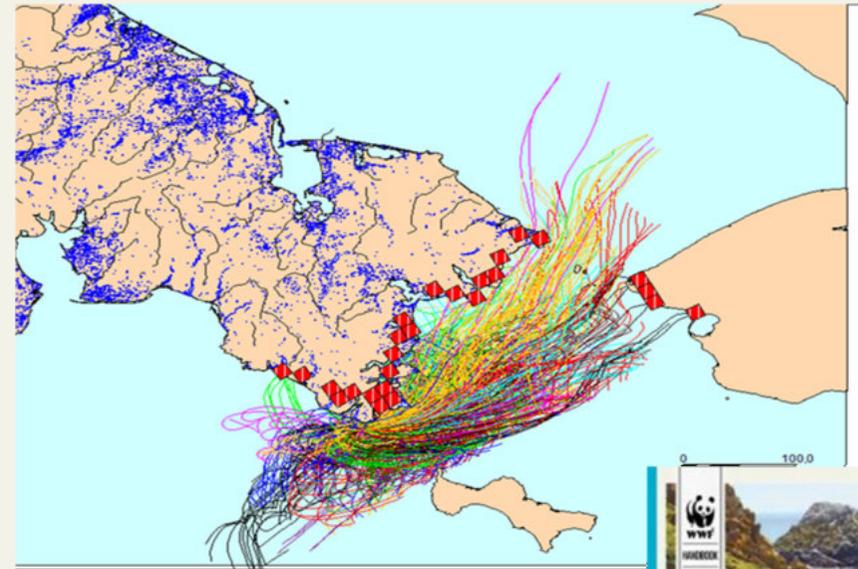




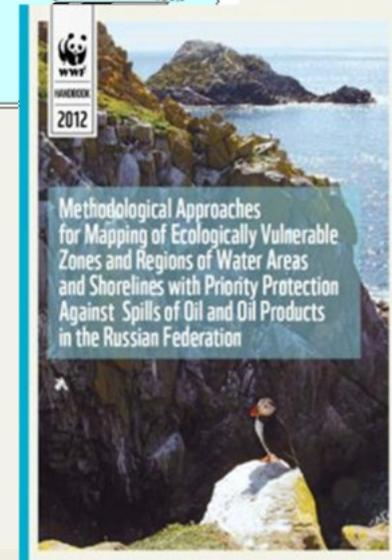
Oil spill prevention and response: WWF Russia activities in the Arctic in past decade



In 2012 WWF Russia ran a campaign (Earth Hour) to promote new legislation, similar to US Oil pollution Act



Oil spill modelling,
Sensitivity maps,
Volunteer cleanup.





WWF Russia trainings



About 700 volunteers have trained

WWF
РУКОВОДСТВО
2013

gef

UNDP

РУКОВОДСТВО СОТРУДНИКАМ МПОПТ
по первоочередным действиям при разливах нефти
и нефтепродуктов в пределах и вблизи МПОПТ

WWF

Coalition
Clean Baltic

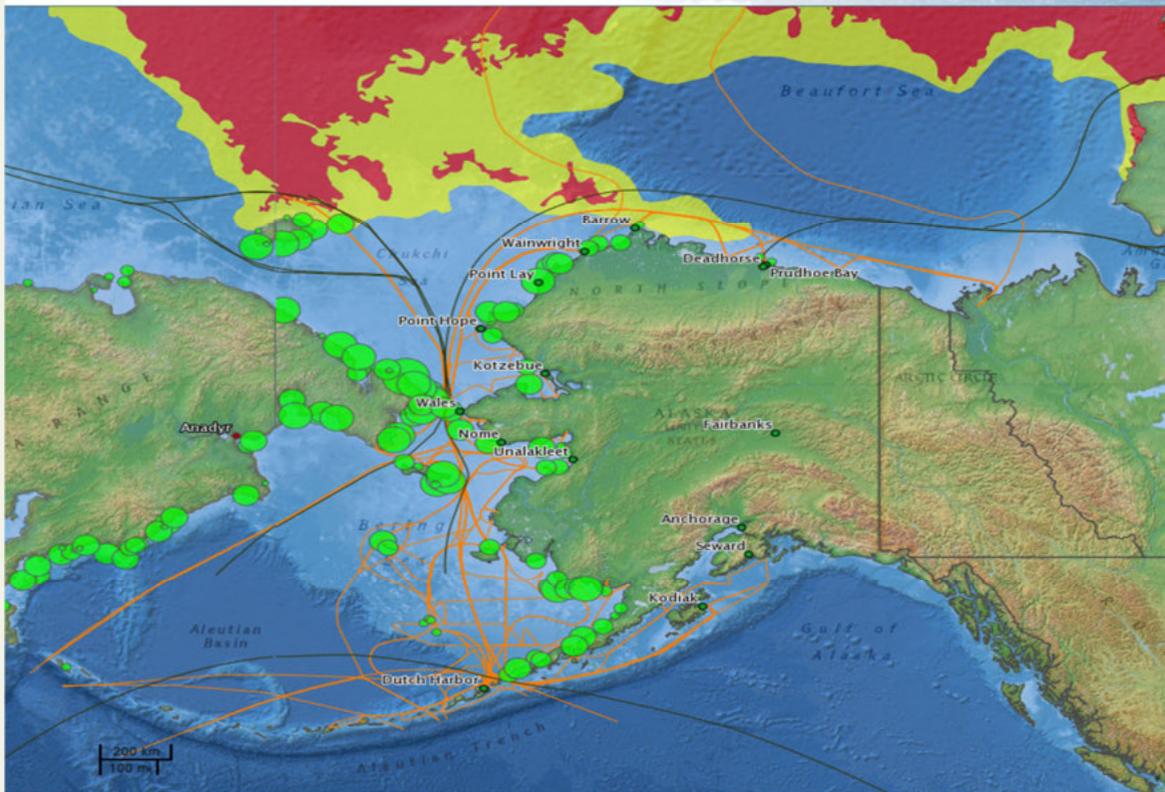
WORKING TOGETHER
ON THE
BABENTZ
BALTIC
NATURE AND
PEOPLE
PROGRAMME

О. М. Саркова, В. Г. Краснопольский
ПРАКТИЧЕСКОЕ ПОСОБИЕ ДЛЯ ДОБРОВОЛЬЦЕВ
ПО ЛИКВИДАЦИИ РАЗЛИВОВ НЕФТИ



Arctic Environmental Response Management Application (ERMA): US-RU cooperation in progress

ERMA® | Environmental Response Management Application Arctic



Geopolitical Boundaries

- ∧ Russia Border
- ∧ Canadian Provinces/Territories (NRCAN, 2007)
- ∧ Alaska Border

Sea Ice Extent

Daily Ice Edge and Marginal Ice Zone - Latest (NIC)

- Yellow Marginal Ice Zone
- Red > 8/10ths

Valid Date: 2016-09-27

Vessel Traffic Zones & Shipping Lanes

- ∧ US Shipping Routes (Arctic Council, 2004)
- ∧ Circumpolar Shipping Routes (Arctic Council, 2004)

Pinnipeds

Pacific Walrus Haulouts 1852-2016 (USGS, 2016)

- Large Green Circle: more than 100,000 walrus
- Medium Green Circle: At least 10,000 and fewer than 100,000 walrus
- Small Green Circle: At least 1,000 and fewer than 10,000 walrus
- Very Small Green Circle: At least 100 and fewer than 1,000 walrus
- Dot: At least 10 and fewer than 100 walrus
- Small Dot: Fewer than 10 walrus
- White Circle: Not Reported

Place Names and References

- Green Dot: Alaska Populated Places (USGS, 2016)
- Red Dot: Russia Cities (ESRI, 2002)

Bathymetry

GEBCO Hillshaded DEM, Worldwide (2003)



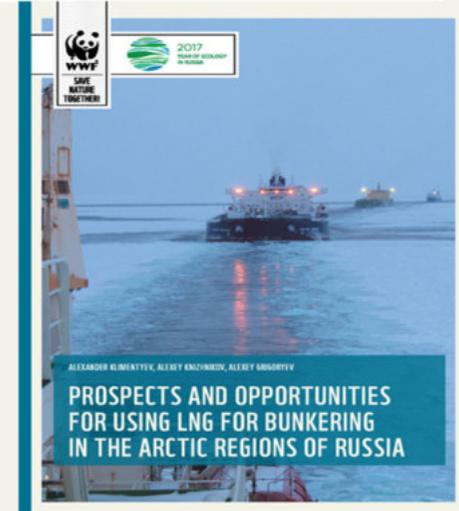


NGO campaign to ban Heavy Fuel Oil LNG as alternative to HFO



...And the second measure is the transition of shipping in the Arctic to liquefied natural gas as marine fuel instead of fuel oil and other heavier ones," Finland's President said offering the issue for consideration at the future Arctic Summit.

"Mr. President (Sauli Niinistö) has just said about the need to switch to more environmentally friendly fuels in the Arctic, and this is absolutely the right offer," Vladimir Putin was quoted as saying.





Questions?