

Russian Federation - Support to the National Programme of Action for the Protection of the Arctic Marine Environment





UNEP/GEF Russian NPA-Arctic Project

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ISIRA, October 27, 2006. Moscow





Official presentation of the Project





Brief info on Project



7 subjects of the Russian Federation,

total area is 7,775.3 th. of sq. km,

length of costal zone is about 40,000 km,

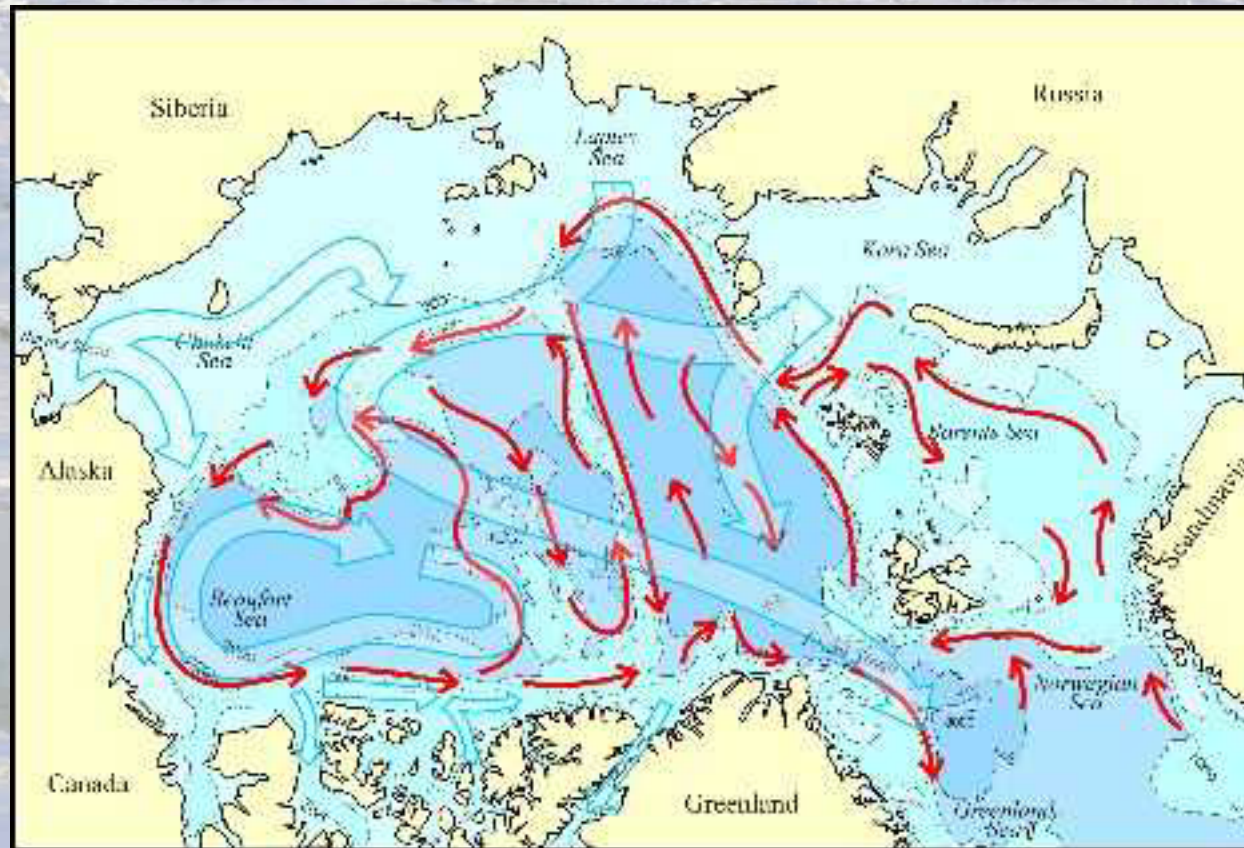
3,741.5 th. of people

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Arctic Ocean Circulation Global Aspect



**Global transport of pollutions by surface currents
into/out of the Arctic Ocean**



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Peculiarities of Arctic region

- **unique biodiversity**
- **indigenous people**
- **extreme natural and climatic conditions**
- **extremely vulnerable nature,**
- **low sustainable ecosystems**
- **local “hot spots”**
- **role in conservation of ecological balance of the globe**



Peculiarities of Arctic region - Unique Biodiversity



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Peculiarities of Arctic region - Indigenous People



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Peculiarities of Arctic region - extreme natural and climatic conditions, vulnerable nature



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Peculiarities of Arctic region – local “hot spots”



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Peculiarities of Arctic region prospective area for oil and gas resources

***Up to 25 % of oil
and 1/3 of gas is
planned to be
explored in the
Arctic region***



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Project components

- Preparation and adoption of a **Strategic Action Programme (SAP)**;
- Completion of a set of **Pre-Investment Studies (PINS)**;
- Development and implementation of **Environmental Protection System (EPS)**, embodying legislative, administrative, institutional and technical capacity improvements consistent with the SAP
- Demonstration projects (DEMOS)**





Diagnostic Analysis – evaluate environmental situation in region and social and economic damage from environmental degradation



Result: major problems



Strategy for Environmental Rehabilitation





Development strategy

Main directions of development strategy in the Arctic regions

Main directions of social and economic development of Russia for long term perspective

Strategy for Environmental Rehabilitation

Strategic plans of development of basic industries in the Arctic region

Oil and gas

Mining

Transport

P&P

F&E





SAP structure

- Diagnostic analysis**
 - **Physical and Geographical Characteristics**
 - **Socio-Economic Characteristics**
 - **Environmental situation**
 - **Priority Issues**
 - **Immediate Causes of Issues**
 - **Underlying Sectoral Causes of Issues**
 - **Root Causes of Environmental Issues**
- Strategy for Environmental Rehabilitation**
- Legal and Institutional Framework of the SAP Implementation**
- Financing the SAP**
- Arrangements for Monitoring the Implementation of the SAP**





SAP- Priority Issues

- ✓ **Nature of an issue.**
- ✓ **Scale of impacts of an issue on the ecosystems.**
- ✓ **Scale of impacts of an issue on economic activities, the environment and human health.**
- ✓ **Relevance of an issue from the perspective of national priorities reflected in existing national policies and action plans on environmental rehabilitation and biodiversity conservation in Russian Arctic.**
- ✓ **Scope of the systemic relationship with other environmental issues and economic sectors.**
- ✓ **Expected multiple benefits that might be achieved by addressing an issue.**
- ✓ **Lack of perceived progress in addressing/solving an issue at the national level.**



SAP - Priority Issues

Pollution of environment

- Oil pollution
- Chemical pollution
- Pollution by radio nuclides
- Solid wastes
- emergencies
- Transboundary issues

Disruption of ecological balance

- Modification/loss of ecosystems
- Reducing of biodiversity
- Destruction of costal area.
- Climate impact

Conservation of natural resources potential

- Uncontrolled use of bio-resources and poaching
- Deterioration of portable water supply

Conservation of enabling environment

- Infringement of traditional nature use of indigenous people
- Climate change influence





SAP – Root Causes of Environmental Issues

- **Historical unsustainable development**
- **Consequences of socio-economic crisis during the transition to a market economy**
- **Absence of strategy and tactics in state economic policy in the Russian Arctic.**
- **Prevailing attitudes which undervalue the environment**



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Strategy for Environmental Rehabilitation

- Sustainable Nature Use and Environment Protection in the Russian Arctic**
- Environment Quality that is Safe for Human Health**
- Conservation of biological and landscape diversity**
- Rehabilitation of traditional nature use by indigenous people with conservation of ecological balance**





Strategy for Environmental Rehabilitation

**Sustainable Nature Use
And Environmental
Protection in
The Russian Arctic**

Provision of improved legislative/regulatory and institutional mechanisms that are adequate and appropriate for ensuring the sustainable use of natural resources and protection of the environment

Establishment of an institutional framework

Provision of a legal and institutional framework for encouraging and promoting public participation in the decision-making process

Introduction of integrated ecosystem management mechanisms in indigenous people communities as a basis of traditional nature use





Strategy for Environmental Rehabilitation

Provision of improved legislative/regulatory and institutional mechanisms that are adequate and appropriate for ensuring the sustainable use of natural resources and protection of the environment

- The enhancement of environmental legislation and regulations by setting up more strict environmental requirements to economic activities taking into account peculiarities of Arctic ecosystems*
- Ensuring compliance with the requirements of environmental legislation and regulations at all levels*
- Development of financial and economic mechanisms providing for sustain nature use and environmental protection in the Arctic*
- Improvement of environmental authorities work and interagency coordination as well as effective coordination between federal executing authorities, executive authorities of constituent entities of the Russian Federation and municipal authorities in area of environmental protection*
- Etc.*



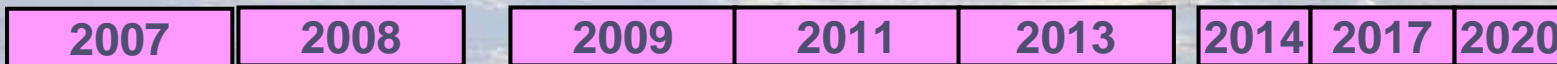


Time Frames

Short-term

Mid-term

Long-term



Scenario 1 Baseline scenario



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DEMO-Project: Indigenous Environmental Co-management

balance of interests of extracting companies and indigenous peoples



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DEMO-Project: Remediation of the Environment through the Use of Brown Algae



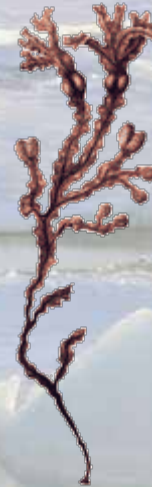
Laminaria
saccharina



Alaria esculenta



Laminaria
digitata



Fucus vesiculosus L.-



Ascophyllum nodosum

(L.) Le Jolis

addresses the utility of a marine alga in the **remediation of marine water** in the Arctic



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Environmental Remediation of Two Decommissioned Military Bases



Franz Josef Land



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Potential DEMO-projects: Ecologically safe utilization of obsolete radio isotopic thermo electrical generators in the Arctic region



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**Thank You
for Your
Attention!**



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