

Enhance ecosystem-based approach principles in Marine Policy of Pacific Russia to contribute to fulfilling the Ocean Decade Challenges

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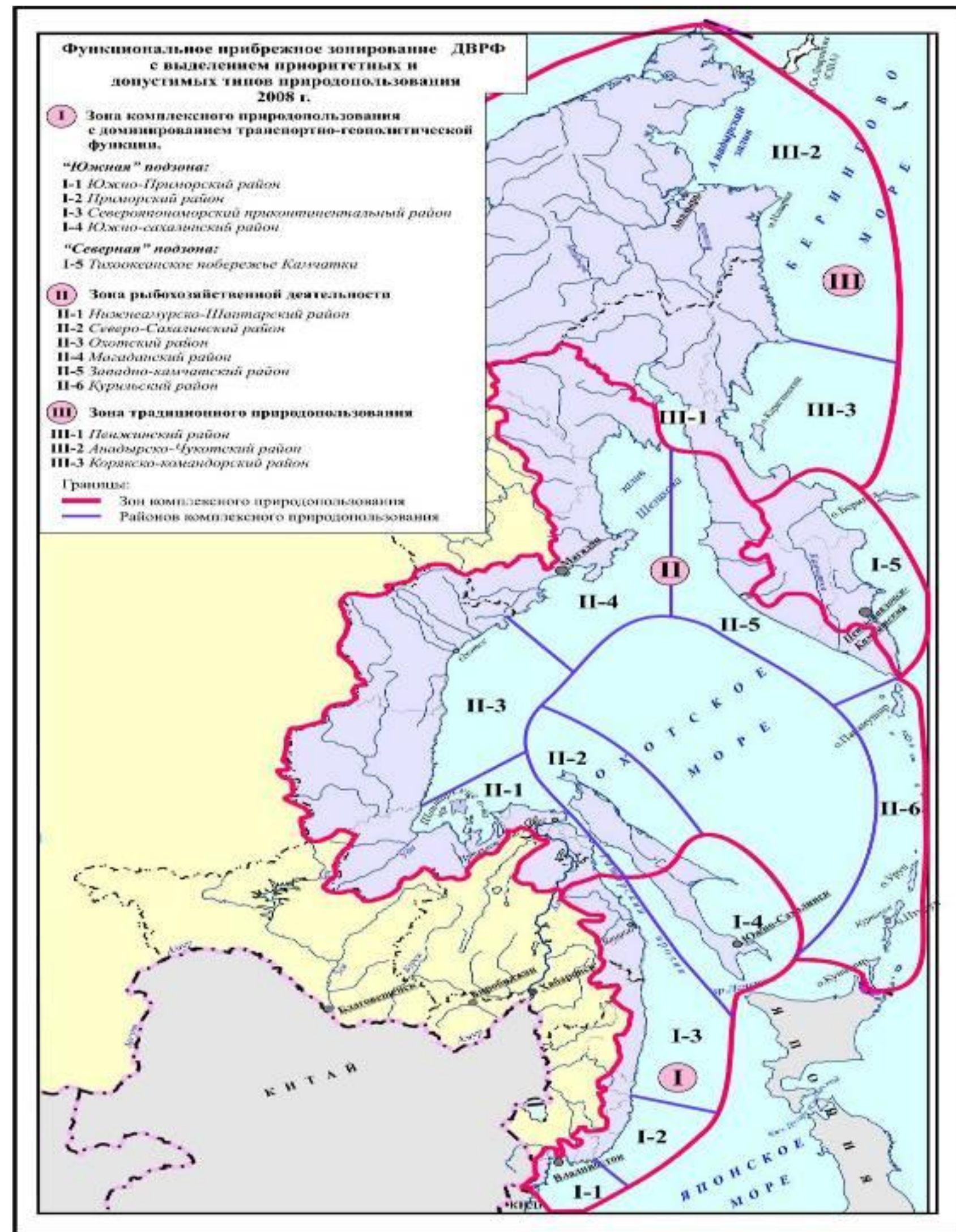
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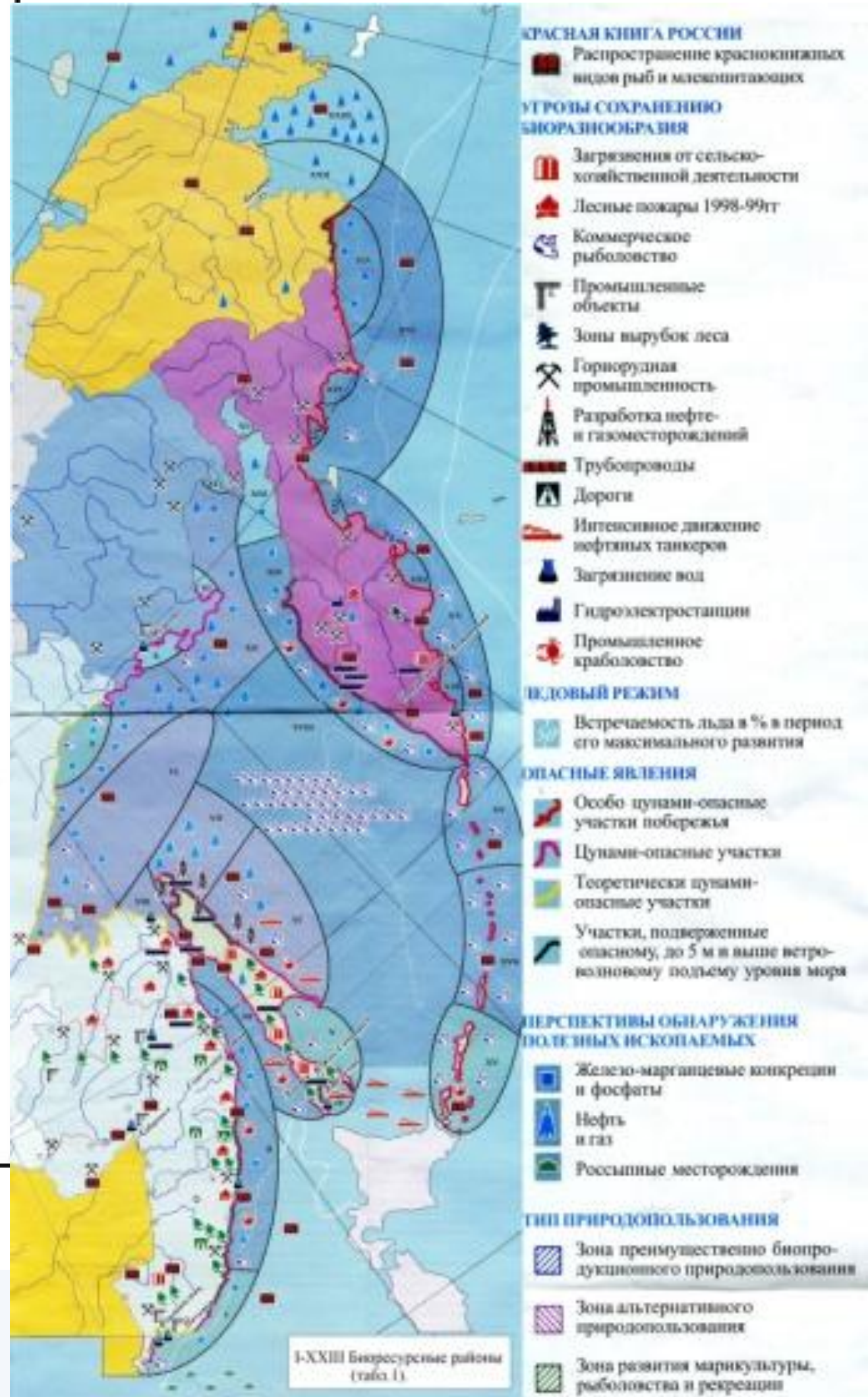
PICES-2020

1 Inventory stage towards development of a regional ICM plan and MSP implemented by Pacific Geographical Institute

Functional Zoning of the Russian Far East Coast with Defined Prior and Admissible Types of Nature Management



Biological Resources Zoning of the Russian Far East Coast



The assessment of the state and prospects of development of the coastal marine economy of the Russian Far East was prepared as well as preliminary geographical zoning of coastal areas.

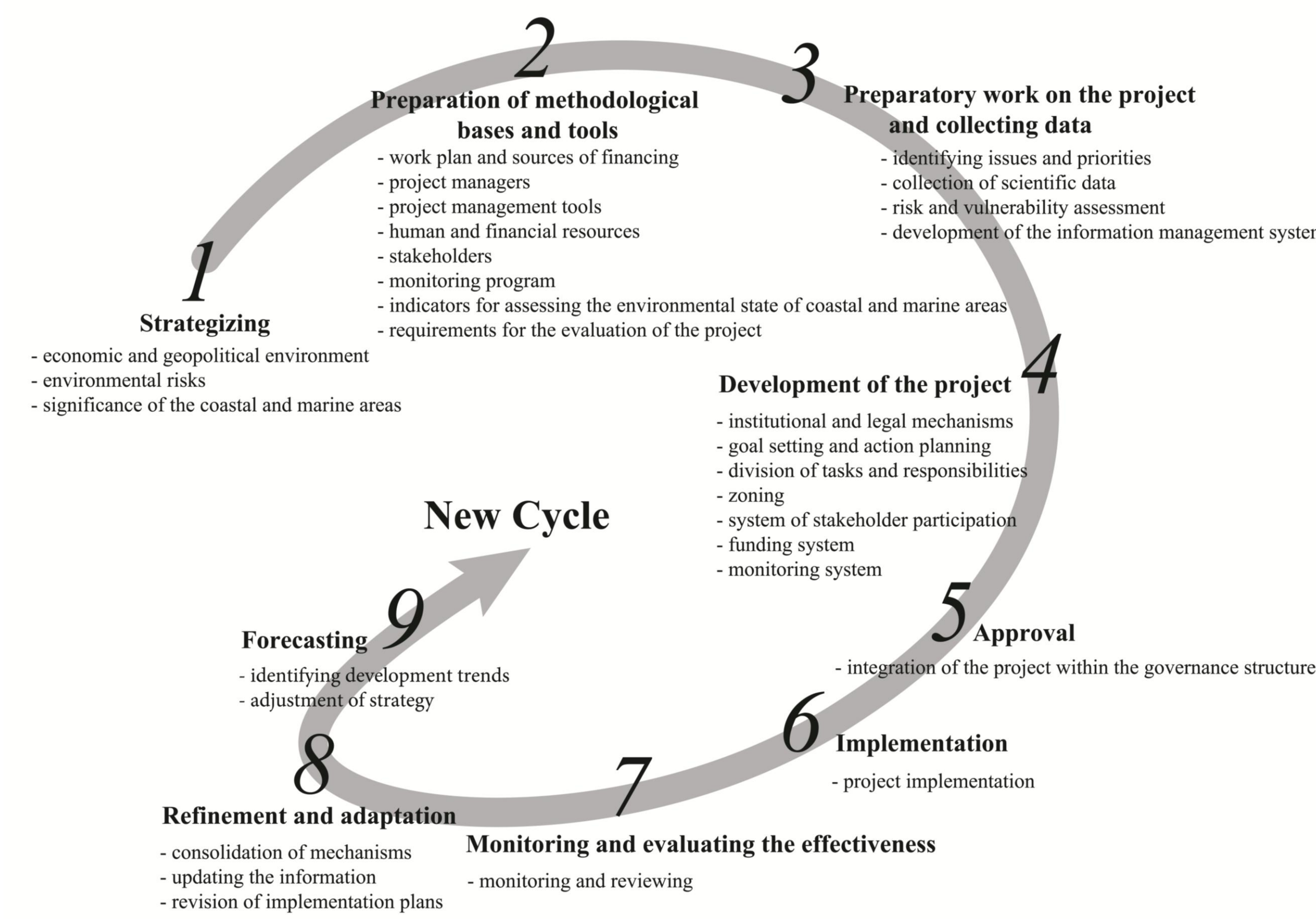
Natural Resources Potential of the Economic Areas



For more information please see the Russian national program ESIMO.
<http://portal.esimo.ferhi.ru/portal/portal/poi/info>.

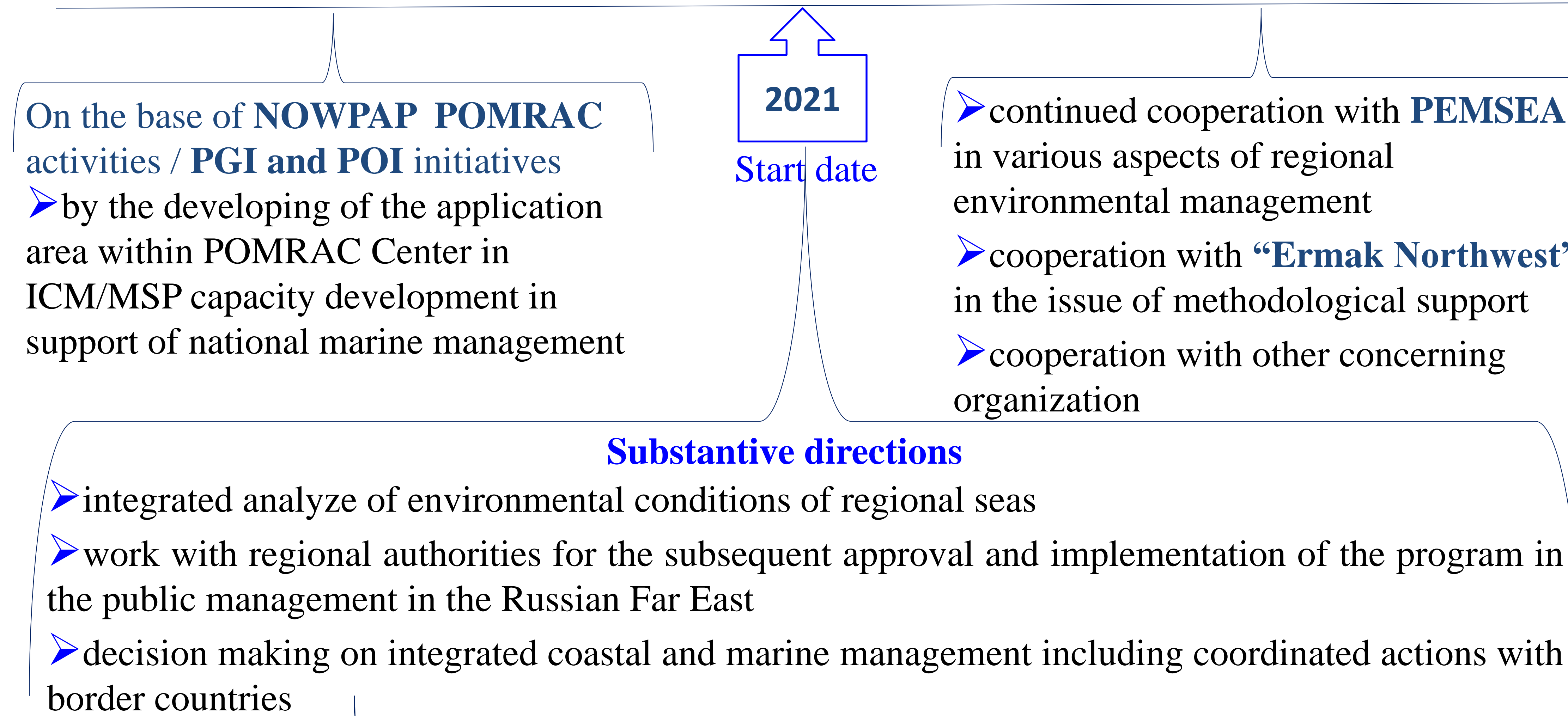
2 Implemented provisional methodology stage toward development of a regional ICM project and MSP

ICM development and implementation Cycle adopted to the Russian Far East



➤ A. N. Kachur, P. Ya. Baklanov, Yu. G. Mikhaylichenko, A. V. Sereda, S. I. Maslennikov, On the development of the general system of the integrated ecosystem-based marine management, *Regional Environmental Issues*, 2 (2020), P. 101-108 (in Russian).
➤ A.N. Kachur, Yu.G. Mikhaylichenko, S.I. Maslennikov, A.V. Sereda, Experience and prospects for the integrated ecosystem-based marine management for the Russian Far East, *Vestnik FEB RAS*, 1 (2019), P. 75-89 (in Russian).

3 Stage of the preparation the pilot program (roadmap) for development of a regional ICM project and MSP



On the base of NOWPAP POMRAC activities / PGI and POI initiatives
➤ by the developing of the application area within POMRAC Center in ICM/MSP capacity development in support of national marine management

Substantive directions

- integrated analyze of environmental conditions of regional seas
- work with regional authorities for the subsequent approval and implementation of the program in the public management in the Russian Far East
- decision making on integrated coastal and marine management including coordinated actions with border countries

International direction

- development of international regional projects which can serve as a real mechanism for Russian MSP planners' skill growth and sectoral stakeholders' dissemination and motivation

General principles: towards the Asia-Pacific Marine Environmental Strategy

- Joint socioculture paradigm for designing mental platform for climate change negative impacts mitigations;
- Marine issue international consolidation within ecosystem-based marine management as key initial point of the general environmental strategy;
- Evolution of hazard warning systems for long-term forecast;
- Trade-offs in the national and international decision-making overlapping environmental perspectives of the every area of the region to better manage a coastal and marine resources and mutual assistance while providing solutions for climate change adaptation;
- Improving national marine diplomacy efforts based on peacekeeping priorities towards international consolidation for achievement the Sustainable Development Goals.

Legal base

- Strategy for Development of Marine Activities of the Russian Federation by 2030
- Maritime Doctrine of the Russian Federation.

According to the Constitution of the Russian Federation marine areas of the country are under federal jurisdiction.

Proposals for supplementation of the Russian legislation for progress in the planning and management of maritime activities of the country

- determination of the federal executive body responsible for the integrated development and management of maritime activities,
- development of the legal framework for integrated planning and management of the sea use,
- distribution of responsibilities between levels of government,
- clarification of the competence of the federal center and coastal provinces of the Russian Federation in relation to the use of marine resources,
- development of the legal framework for integrated planning and management of the sea use.

Please see the Guidelines on development and adjustment of socio-economic strategies of the subjects of the Russian Federation, the Ministry of Economic Development of the Russian Federation, 2017.

As an early adopter, the perspectives and experience of the Scientific and Research Institute of Maritime Spatial Planning "Ermak Northwest" with regard to MSP implementation are very relevant to other ICZM/MSP initiatives in country.



Please see <https://sites.google.com/site/ermaknweng/our-company>.

Specific Features of the Coastal Districts of Pacific Russia

- Wide exit to the seas and the Pacific Ocean (coastline is over 20 thousand km),
- Sharp natural and climate, social and economic differentiation of northern and southern territories,
- Considerable development of marine economic patterns (on the basis of fishery and fish processing, ship repairing and ship building, sea transport),
- Development of marine oil and gas extraction (shelf of Sakhalin Island, Magadanskaya Oblast and Kamchatskii Krai),
- Availability of large seaport-railway nodes (Nakhodka, Vostochny, Vladivostok, Posiet, Vanino, Kholmsk, etc.) connected with the Trans-Siberian Railway and the Baikal-Amur Railway,
- Forming transboundary geographic patterns:
 - crossing border transport with relevant infrastructure,
 - oil and gas pipelines,
 - power transmission lines,
 - nature protected areas (near Khanka Lake, on the coast of Bering Sea, in the south of Primorskii Krai and so on).

In 2002 on the basis of the Pacific Geographical Institute of the Far Eastern Branch of Russian Academy of Sciences was formed Pollution Monitoring Regional Activity Center of UNEP Action Plan for the Protection, Management and Development of the Marine and Coastal Environment of the Northwest Pacific Region (NOWPAP POMRAC).



Please see <http://pomrac.nowpap.org>, <http://pomrac.dvo.ru>

NOWPAP and PEMSEA cooperation on ICM issues



REGIONAL ICM TRAINING OF TRAINERS WORKSHOP with the participation of Russian representatives. Quezon City and Batangas, Philippines November 20-24, 2017

Please see www.pemsea.org

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