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# Arctic and North



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**Editor in chief** – Lukin Yuri Fedorovich, doctor of the historic arts, professor. Tel/Fax: +7 (8182) 63 34 47. E-mail: [mba@pomorsu.ru](mailto:mba@pomorsu.ru). Address: Russia, 163000, Arkhangelsk, Lomonosova Street, 58, room 1–2, SEC "Institute of Arctic".

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- 03.00.00 Biological Sciences, 03.02.08 "Ecology" (branches);
- 07.00.00 Historical Sciences and archeology;
- 08.00.00 Economic Sciences;
- 09.00.00 Philosophical Sciences, 09.00.11 "Social Philosophy";
- 22.00.00 Social sciences;
- 23.00.00 Politology;
- 24.00.00 Cultural Studies;
- 25.00.00 Sciences about Earth, 25.00.24 "Economic, social, political and recreational geography".

The materials for publishing are sent by email (mba@pomorsu.ru), on electronic tools or by post. The materials, which should be given on Russian and English languages in one file:

1. Authors note: © Author(s): Last name, name and patronymic name (full); academic degree and rank; position and place of work of all authors. E-mail and telephone. Photo of the author.
2. Annotation – a short summary of the main points of the entire contents of the article, the basic idea, results. 400 words.
3. Keywords. Up to 100 words.

The article is given by the author, on Russian language. The volume is 2.0 quires, for graduates 0,5 quires. Text of the article A4 is writtern in a text editor Microsoft Word: font Bookman Old Style, size 10, line spacing 1,5. Page margins – 2 sm from each edge. Graphic materials, pictures, tables, notes, which are included in the text of the article.

At the end of the article should be writtern a bibliographical list; (References, Notes). Quotations of the authors, which were taken from the books, articles, disserations, and other scientific publications are givan in the texts in the square bracets, indicating the number of the pages and years. For example: [1, p. 6]; [2, 2011] and others. The literature, which is quoted by these authors, is writtern only once at the end of the article and it has its number. In the repeated quotations to the same publication indicated the same number. Such procedure is needed to determine the scientific index of using quotations, which are used in the author's texts.

There may also be used in adtion to the bibliographical list of the article different notes and referenes to laws, archives, statistics, media, Internet, informations, clarifications, comments and other matrerials. Quotations of the sentences should be made at the end of the page. Numbering of all references in the text should be in order (for example. 1, 2, 3, 4, 5... 25).

To indicate an email adress in the internet should be used one uniform resource locator: URL – Uniform Resource Locator. The articles of the magazine «Arctic and North» are available in the system academy of Google and you can find them “Arctic and North”: [http://scholar.google.com/...](http://scholar.google.com/)

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## Summary

### Authors

1. Alekseeva Lyudmila – head of the Life Safety of NARFU, PhD in Technical Sciences (Arkhangelsk).
2. Astakhova – Irina, Research Fellow, Department of Arctic Research Institute of Humanitarian Studies and the Indigenous Peoples of the North, Siberian Branch of RAS.
3. Barachevsky Yuri – Associate Professor, Doctor of Medical Sciences, Head of the Department of Health and mobilization training of Emergency Medicine of Northern State Medical University (Arkhangelsk).
4. Bakhmetev Valeriy – Deputy Chief of firefighting EMERCOM of Russia on Arkhangelsk region, a lieutenant colonel of internal service, the lieutenant colonel of internal service (Arkhangelsk).
5. Belyaev Denis – PhD in History, associate professor, head of research department of «Murmansk State Pedagogical University» (Murmansk).
6. Busin Mikhail – Chief of the Administration of the Ministry of Civil Defense, Emergencies and liquidation of consequences of Natural Disasters (EMERCOM) Russia's Arkhangelsk region, Maj. Gen. of the internal service (Arkhangelsk).
7. Vasilyeva Nina – PhD in History, associate professor, Institute of Humanitarian Studies and the Indigenous Peoples of the North SB RAS, sector of the Arctic research.
8. Varfolomeev Yuri – Doctor of Technical, professor, Vice Rector for Innovation Development NARFU, researcher of University College of Narvik .
9. Vinokourova Dekabrina – PhD in Sociology, Associate Professor, Senior Researcher of Institute of Humanitarian Studies and the Indigenous Peoples of the North SB RAS.
10. Gnezdov Sergei – chairman of the municipal Assembly of Deputies of the municipality of “Vinogradovsky municipal region” of Arkhangelsk region, a member of the Union of Russian Journalists.
11. Yerokhin Oleg – Advisor of Federal Information and Analytical Center.
12. Ignatiev Alexander – Head of the 12th specialized part in extinguishing large fires SI "3rd unit of Federal Fire Service for the Arkhangelsk region", Colonel Internal Services (Arkhangelsk).
13. Kozmenko Sergey – Doctor of Economy, professor, director of the North-West Research Centre for Maritime Policy of the Murmansk State Technical University (Murmansk).
14. Konstantinov Alexander – PhD in History, assistant professor of department of state, municipal administration and management of the Institute of Management and regionology in NARFU (Arkhangelsk).
15. Lagutina Maria – PhD in Politics, senior lecturer of international politics' department of the Faculty of International Relations, St. Petersburg State University (St. Petersburg).
16. Luzganov Alexander – deputy chief of GIFT EMERCOM of Russia in Arkhangelsk region, state inspector for small-size boat (Arkhangelsk).

17. Lukin Yuri – Doctor of historical sciences, professor, Honored worker of higher school of Russian Federation, Director of the Institute of Management and regionology, editor-in-chief of “Arctic and North”.
18. Mazur Jaroslaw – postgraduate student of NArFU (Arkhangelsk).
19. Makovsky Maxim – distance learning associate of the St. Petersburg University, of EMERCOM of Russia, major of internal service.
20. Markov Yuri – engineer of Research Laboratory of construction expertise of the Barents Region.
21. Poval Lev – associate professor of Sevmashvtuz, PhD in Law.
22. Popov Altksey – Assistant of Engineering Design and Architecture Department of NArFU.
23. Portsel Alexander – Ph.D in History, associate professor of Murmansk State Technical University (Murmansk).
24. Pus Vyacheslav – Professor of Management and Integrated marketing communications Department of St. Petersburg University GPA of EMERCOM of Russia, Doctor of Technical sciences.
25. Harlampeva – Nadezhda, PhD in History, assistant professor of International politics' department of the Faculty of International Relations, St. Petersburg State University (St. Petersburg).
26. Yuriev Yuvenaly – PhD in Medicine, Lecturer of Health and mobilization training Department of Emergency Medicine NSMU, member of the Arkhangelsk regional branch of the Physiologistical Society named after I.P. Pavlov, corresponding member of Peter's Academy of Arts and Sciences in the section of biology, medicine and ecology, member of the Academy of Medicine and the Polar Extreme Human Ecology (Arkhangelsk).

## Annotations, keywords

© **Alekseeva L. V. Complex approach to the organization protection works safety, fire and environmental safety in NArFU**

The article presents the basic activities of coordinating authority of security in N(A)RFU , its goals, objectives and composition, functions and activities carried out by them. Integrated security system of the University aims to meet the challenges of preserving life and health of students and workers, as well as the wealth of possible accidents, fires, accidents and other emergencies.

**Keywords:** *university, complex security, fire safety, labor safety.*

© **Astakhova I. S. Power and Indigenous Minorities of the North: the experience of interaction on example of the Republic of Sakha (Yakutia)**

In the article examines the work of regional authorities dealing with Northern indigenous peoples, and provides an assessment of their activities in interaction with individual representatives, as well as with public organizations of indigenous peoples of the North. Based on the analysis of legal sources and materials of current archives of state authorities examined the mechanisms of interaction between authorities and society to protect the rights of indigenous peoples as an example of Sakha (Yakutia).

**Keywords:** *indigenous peoples of North, Yakutia, regional policy, cooperation mechanisms.*

© **Barachevsky J. E, Yuriev J. J. Medical and tactical characteristics of predicted emergencies in the Arkhangelsk region**

The questions of medical and tactical characteristics of the projected emergency (disaster), the analysis of industrial accidents and disasters in the Arkhangelsk region in the last 10 years, as well as the tactics of health personnel (HP) in the centers of catastrophes and natural disasters, because Arkhangelsk region is a territory of the potential of technological and social risks.

**Keywords:** *emergencies, disaster medicine, technological accidents, disasters, Arkhangelsk region.*

© **Bakhmetev V. E, Pus V. V. Organization of voluntary fire brigade in the municipalities of the Arkhangelsk region**

The problems of fighting fires and conducting rescue operations, providing primary fire safety measures in the settlements, the voluntary fire department in the municipalities of the Arkhangelsk region.

**Keywords:** *fire-fighting and rescue operations, fire safety, voluntary fire brigade.*

© **Busin M. V. Creation and development of unified anticrisis management system security in the region**

Reveals the main activities of EMERCOM of Russia in the Arkhangelsk region, presents statistical data on accidents and emergencies. Defined complex of basic events and trends of unified security management system crisis in the region needed to provide protection of the population and territories from natural and technological factors.



**Keywords:** *emergency, disaster, flooding, accidents, fire, explosion, safety management, notification and communication, and monitoring.*

© **Vasilyeva N. D. Formation of social and cultural space of the Arctic in the context of intercivilizational interaction (for example of Yakutia)**

The article deals with the process of formation of a common holistic socio-cultural space of the Arctic region of Yakutia. On the basis of published and unpublished sources, shows the changes in ethnic composition, economic differentiation natural and landscape environment, the emergence of new economic and cultural systems. Particular attention is paid to the interaction between civilizations in the spiritual culture of the peoples of the region.

**Keywords:** *traditional culture, intercivilizational interaction, Arctic indigenous peoples.*

© **Busin M. V., Varfolomeev Y. A. Markov Y. V., Popov A. N. Influence of flooding on the condition building projects in Arkhangelsk**

Investigated flooding of urban areas during the ice drift of Arkhangelsk in 2010. Quantifies indicators of water level, velocity and other characteristics of the Northern Dvina River in this period. Flood protection events are developed to prevent damage to buildings in the event of flooding, and given a qualitative assessment of their effectiveness. The effect of flooding on the state of building constructions.

**Keywords:** *flooding, flood events, ice drift.*

© **Vinokurov D. M. On the singularities of migration in industrialization: the time dimension (according to sociological research)**

The comparison of activity levels in the migration processes of men and women in the industrialization on the basis of primary sociological data collected in 2010 in Mirny (Republic of Sakha(Yakutia)).

**Keywords:** *industrialization, the causes of migration, gender, level of activity in the migration processes, the region.*

© **Erokhin O. G. Prospects of using open model of innovation in the Arctic**

To accelerate the development scientific and technological capabilities in the Arctic allows using of open model of innovation, based on broad international cooperation and the active use of foreign intellectual resources. To successfully solve the problems of modernization of industry and infrastructure in the polar regions may be useful to expand cooperation with international innovation intermediary companies, which provide assistance to other companies in acquiring and implementing new technologies and begin to create a mediation business structure in Russia.

**Keywords:** *Arctic, open innovation, innovation intermediaries.*

© **Ignatiev A. L. Peculiarities of organization of firefighting in low temperature conditions**

In this paper proposed organizational and technical measures that increase the combat readiness of the fire units at low temperatures. Applying new technologies for heating fire equipment.

**Keywords:** *low temperature, multi-car fire, a pressure-hose line, the water vapor.*

© **Kozmenko S. Y. Regional presence of Russia in the Arctic: geopolitical and economic trends**

A conflict of civilizations is a basic characteristic of geopolitical and geoeconomic structure of the modern world. Oceans and marine resources play an ever-increasing role in the economic and political life of Russia, but in general the tendency to expand the conflict space is evidently. Struggle for the control over resources, first of all hydrocarbons, is gradually moved to the Arctic. This also explains the need to strengthen the regional presence of Russia in the Arctic.

**Keywords:** *marine and continental civilization, national maritime policy, geopolitical structure of the modern world, marine communications.*

© **Konstantinov A. S. Transformation of the educational and professional potential of state and municipal authorities in the management of the northern region**

This article is a continuation of the author's research in the field of management training in the field of local governance and municipal governance in the higher education system. It addresses some issues of transformation of the educational and professional capacity of state and municipal government and administration in the northern region in the past and present. Proposed by the author's opinion on the status of contemporary Russian municipal official.

**Keywords:** *bodies of state and municipal authorities, educational and professional potential, state and municipal officials, the status of a modern municipal official.*

© **Harlampeva N. K., Lagutin, M. L. Transnational management model of the Arctic in the XXI century**

Arctic regions, considering its uniqueness, it is necessary to consider as world experimental base for introduction of new model of management - transnational/worldpolitical. The world community offers two initiatives in this direction: EU initiative - «management of Arctic regions» (model A8 +) and the Russian initiative - «the Arctic management» (model A5). The transnational model of management is directed on the coordination of interests of the majority of participants of global processes (both state, and not state), the providing prevention of possible structural disorders and the decision of existing problems. It is obviously possible to speak about formation new the world-political management models – “the state - business - a civil society”. Authors predict «a century of the Arctic Russia», transformation of Arctic regions into independent political unit, and Russia, as the owner of its considerable territory, in the country-initiator of “the global historical project”.

**Keywords:** *the transnational environment of world politics, management of Arctic regions, the Arctic management, Arctic transnational/worldpolitical model.*

© **Luzganov A. A. Arrangement of ice crossings under Extreme North conditions**

The paper shows the complexity of the arrangement of ice crossings as traffic and pedestrian, safety precautions when using ice crossings and the definition of capacity crossing.

**Keywords:** *ice crossing, carrying capacity, ice and water.*

**© Mazur Y.O. Using of special types of vehicles in roadless areas of the Far North**

A brief description of the problem of lack of roads in the northern territories of Russia and dangerous situations related to this. As well the advantages and disadvantages of existing vehicles are considered. In more detail the rotary-screw propeller and ways to use it.

**Keywords:** *road, rotary-screw propeller, the Far North.*

**© Makowski M.V. Participation of units of EMERCOM of Russia in anti-terrorist activities**

Reflecting the need interaction between regional offices Federal Security Service, the Interior Ministry with units of EMERCOM of Russia to effectively combat terrorism according to plan collaborative activities prevent terrorist acts on the territory of the Russian Federation. Particular attention should be paid to dangerous industrial objects and sites with a massive crowd of people. The necessity of creation on the territory of the Russian Federation of permanent headquarters for the anti-terrorist activities.

**Keywords:** *national security, terrorism and of counterterrorism activities.*

**© Poval L. M. International and legal problems of section of economic areas in the Arctic**

This article examines the historical and legal approach to defining the economic boundaries of the various countries of the Arctic region, including Russia.

**Keywords:** *Arctic, the contract, the continental shelf, conventions, the territorial sea, exclusive economic zone, the Lomonosov Ridge.*

**© Portsel A. K. Dispute on Spitsbergen: the point does not set**

Dispute on Spitsbergen has a long history. It can be divided into a number of questions, each of which has consistently come to the fore different historical periods. Severe economic and political contradictions between Norway and the rest of the Treaty of Paris exist objectively as the "Spitsbergen square" and on the archipelago. Signing of Russian-Norwegian Agreement on Maritime Delimitation and cooperation in the Barents Sea and Arctic Ocean (2010), not eliminate them.

**Keywords:** *Spitsbergen, the international legal status of the archipelago, the history of discovery and exploration of the archipelago.*

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Address of editorial office: 8, Novgorodski av., cab. 3a-4, Arkhangelsk, 163002, Russia.

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