

**2017**

**Северо-Кавказское Научное Сотрудничество  
North Caucasus Scientific Cooperation**

News archive NCSC

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**A Conference on "National and cultural traditions of education in historical and modern context"**

December 22, 2017  
Makhachkala



*Foto: Press Service of DSU*

On December 22 the conference hall of the Dagestan State University Administration hosted the IV international scientific research conference on "National and cultural traditions of education in historical and modern context", dedicated to the memory of Professor Zagir Yakubov, the Dagestani ethno-educator. The event was organized by the Ministry of Education and Science of the Russian Federation, Russian Academy of Education, Dagestan State University, Institute of Supplementary Education of the DSU and the Department of General and Social Pedagogy of the University.

The conference continued with section sessions at the Social Department of the DSU. In total, there were three sections: "Innovative technologies of implementing competence approach under the conditions of multilevel education"; "Socio-cultural education in a changing society"; and "Peculiarities of social problems of the modern Russian society: status and solutions".

*[Press Service of DSU](#)*

### **North Ossetian State University has received the status of a centre for innovative development of the region**

December 15, 2017  
Vladikavkaz



*[Foto: Administrative Office of NCSC.](#)*

The North Ossetian State University after K. L. Khetagurov became the winner of the competition, held in the framework of the priority project "Universities as centers of innovation" of the Ministry of Education and Science of the RF, and received the status of a University center for innovative, technological and social development of the region.

The priority project "Universities as centers of innovation" of the Ministry of Education and Science of the RF was approved in 2016 and is supposed to be fully implemented by 2025. The project is aimed at creating at least 100 University-based centers for innovative, technological and social development.

*[Press Service of NOSU](#)*

## International scientific research conference on "Iran and North Caucasus: history and prospects for cooperation"

December 13, 2017  
Vladikavkaz



*Foto: [Press Service of NOSU.](#)*

The international scientific research conference on "Iran and North Caucasus: history and prospects for cooperation" took place on the platform of the North Ossetian State University after K. L. Khetagurov.

The conference was attended by Lev Kuznetsov, Minister for North Caucasus Affairs; Vyacheslav Bitarov, Head of the Republic of North Ossetia – Alania; Ramazan Abdulatipov, Special Representative of the President of the Russian Federation on issues of humanitarian and economic cooperation with the countries of the Caspian region; Mehdi Sanai, Extraordinary and Plenipotentiary Ambassador of the Islamic Republic of Iran in Russia; Veronika Nikishina, Member of the Board (Minister) for Trade of the EEC; Oleg Khatsaev, Secretary of State and Deputy Minister of the Russian Federation for North Caucasus Affairs; Olga Rukhullaeva, Deputy Minister for North Caucasus Affairs; Mojtaba Khosrovtaj, Deputy Minister of Industry, Ore and Trade of the Islamic Republic of Iran; Amin Tarfa, Deputy Minister of Transport of the Islamic Republic of Iran; representatives of federal executive authorities of the Russian Federation, scientific and business communities of Russia and Iran. The moderator was Alan Ogoev, rector of the North Ossetian State University.

The forum was organized in two main thematic areas. The first section, "Traditional cultural and historical links and interaction between Iran and North Caucasus", included three thematic blocks: "Historical and political aspects of the Caucasian-Iranian relations"; "Caucasus in the history of relations between Iran and Russia"; and "Caucasian-Iranian cultural and linguistic contacts".

The conference also involved communication platforms for representatives of business communities of the two countries in the "B2B" mode.

According to the results of the International scientific research conference, a number of agreements have been signed in the field of culture, science and trade between Russian and Iranian partners.

*[Press Service of NOSU](#)*

## **VII all-Russian scientific and technical conference on "Modern problems of Geology, Geophysics and Geoecology of the North Caucasus"**

December 6–9, 2017  
Essentuki







*Foto: Administrative Office of NCSC.*

The VII all-Russian scientific and technical conference with international participation on "Modern problems of Geology, Geophysics and Geoecology of North Caucasus" took place at the premises of the Department for Subsoil Use of the North Caucasus Federal District ("Caucasnedra"). The conference was held in accordance with the List of international, national and regional scientific conferences for 2017, approved by the Federal Agency of Scientific Organizations of Russia.

The conference was attended by over 140 scientists and experts from different regions of Russia, who have submitted more than 100 reports. The participants of the conference were representatives from 64 organizations and institutions from different cities of Russia (Moscow, Saint Petersburg, Kazan, Kursk, Grozny, Astrakhan, Vladikavkaz, Krasnodar, Gelendzhik, Abinsk, Dubna, Novochoerkassk, Nalchik, Rostov-on-Don, Stavropol, Makhachkala and others), and abroad (Baku, Yerevan, Sukhumi, Gomel, Egypt). The conference was also attended by representatives of the Departments for Subsoil Use of the North Caucasus and South Federal Districts.

The conference was, among others, actively organized and carried out by the specialists of the Department for Subsoil Use of the NCFD ("Caucasnedra") and its regional subdivisions, and experts from the H. I. Ibragimov Integrated Scientific Research Institute of RAS, the Institute of Geology of the Dagestan Scientific Center of RAS, and the Academy of Sciences of the Chechen Republic.

Organizational and financial assistance in the preparation and the conference was provided by: the Department for Subsoil Use of the North Caucasus Federal District, the Chechen State University, the Institute of Geophysics of Vladikavkaz Scientific Center of RAS, Academy of Sciences of the Chechen Republic, Integrated Scientific Research Institute, S. I. Vavilov Institute for History of Science and Technology, "Chechenedra", Grozneftegaz JSC, Chechenneftekhimprom JSC, Decentemente JSC and others.

The program of the VII all-Russian scientific and technical conference on «Modern problems of Geology, Geophysics and Geoecology of North Caucasus» has traditionally included the following main research areas:

1. Oil and gas industry of North Caucasus.
2. Current problems of Geology of North Caucasus.
3. Metallic and nonmetallic minerals.
4. Groundwater.
5. Geodynamics, Geophysics and seismology.
6. Geography and Geoecology.
7. History of Earth Sciences.

Upon the proceedings of the conference, a collective monograph has been published: "Modern problems of Geology, Geophysics and Geoecology of North Caucasus. Volume VII", in 2 parts:

- Part 1: "Modern problems of Geology, Geophysics and Geoecology of North Caucasus. Volume VII". Part 1 / under the editorship of Kerimov I. A. Moscow: Institute for History of Science and Technology, 2017, 551 pgs.:
  - 1.1 Mineral-raw material complex of North Caucasus: condition, problems and prospects.
  - 1.2 Geology and exploration of oil and gas fields of North Caucasus.
  - 1.3 Geology and exploration of deposits of solid minerals of North Caucasus.
- Part 2: "Modern problems of Geology, Geophysics and Geoecology of North Caucasus. Volume VII". Part 2 / under the editorship of Kerimov I. A. Moscow: Institute for History of Science and Technology, 2017, 585 pgs.:
  - 2.1 Geodynamics. Geophysics. Seismology.
  - 2.2 Geoecology. Hydrogeology. Geography.
  - 2.3 History of Earth Sciences.

Great interest in the conference, shown by geologists and geophysicists of scientific and industrial organizations of the South of Russia, reflects the relevance of the issues discussed and facilitates expansion of the interregional scientific relations.

*Administrative Office of NCSC*

### **Event of the Administrative Office of the NCSC dedicated to the International Mountain Day**

December 09, 2017



The Administrative Office of the North Caucasus Scientific Cooperation (NCSC) prepared and sent out to its members extraordinary [newsletter No. 8](#) regarding the events dedicated to the International Mountain Day 2017, scheduled to be held at the Russian Geographical Society (RGS, Moscow), in the United Nations Headquarters (New York), and the Headquarters of the Mountain Partnership (FAO) (Rome).

The Administrative Office of the official website of NCSC created a special "[Mountain areas](#)" webpage to cover upcoming events, related to the International Day of Mountains-2017, and post all information supplied to the Administrative Office and kindly provided by members of Cooperation.

The [Title](#) and the [Main page](#) of the website contain relevant short messages on updating the information on this page.

*Administrative Office of NCSC*

### **Joint meeting of the methodological seminar and the evening club of the Institute of Geography of RAS**

December 08, 2017

Moscow



The joint meeting of the methodological seminar and the evening club of the Institute of Geography RAS became a place for the lecture on "Value orientations and social identity of Muslim youth in the North Caucasus" by the sociologist [Olga Pavlova](#), PhD in Pedagogy, associate professor of the Department of school psychology and the Department of ethnopsychology and psychological problems of multicultural education of the Moscow City Psychological and Pedagogical University (MCPPU), member of the editorial board of "Islam in



the modern world". Also were presented the results of years of observation, interviews and the experience of immersion in the lives of youth of the North Caucasian republics.

Similarities and differences in relation to traditions, religion, ethnic communities, often a mixture of ancestral customs and modernity, different aspects of the life and worldview of young people in Eastern, Central and Western Caucasus, - all this was shown on a vast research material, in a lively manner and caused a great deal of interest and many questions.

*[Gracheva R. G., IG RAS.](#)*

### **Mountain seminar "Study of mountain regions at the Institute of Geography of RAS"**

November 29, 2017

Moscow

(by the materials of the [MAB-6 Mountain Group/IG RAS](#))





*Foto: MAB-6 / IG RAS.*

On November 14, 2017, the Institute of Geography of RAS hosted a Mountain seminar on "Study of mountain regions at the Institute of Geography of the Russian Academy of Science", organized by the MAB-6 Mountain Group / IG RAS (scientific supervisor Yu. P. Badenkov).

The program included the following:

1. "The mountain areas of Chechnya in the XXI century: status and prospects" (upon the results of field studies 2016-2017) by A. N. Gunya, Dr. Sci. in Geography.
2. A discussion on "Mountainous regions 21: new challenges, the role and responsibilities of geography", in preparation to the international conference on "Practical geography and the challenges of the XXI century", dedicated to the 100th anniversary of the Institute of Geography of RAS (4-6 June 2018). Moderator: Yu.P. Badenkov.
3. Presentation of "Life in the mountains. Natural and cultural diversity – the diversity of development models", a book by Yu. P. Badenkov.

Opening the seminar, Yu. P. Badenkov, Scientific Director of the Mountain workshop, said that "the methodology and methods of mountain research at IG RAS has changed (evolved), in accordance with the needs of the society and the development of geography, in general. I have called this a transition from "geomorphology of ecology to montology". That is, from disciplinary (geomorphology, biogeography, resettlement) to inter-, and even transdisciplinary approaches of the beginning of the XXI century. And this very shift of research paradigm we propose to discuss at the mountain session

"Mountain regions 21: new challenges, the role and responsibilities of geography", at the conference, dedicated to the 100th anniversary of IG RAS in June 2018".

*Administrative Office of NCSC*

### **New milestones in scientific cooperation in the Caucasus region**

November, 10, 2017  
Moscow



*Foto: IG RAS.*

1 December 2017 a new stage of scientific and educational cooperation starts between the countries of the Caucasus region (Armenia, Azerbaijan, Georgia, Iran, Russia and Turkey). Cooperation is implemented by partners in the Caucasus science network, established in 2014 to enhance research interaction and promote the sustainable development of mountain territories (SNC-mt).

Representatives of the Institute of Geography of RAS participated in a working meeting of the organizing committee of the scientific network, held on 6-7 November 2017 at the Tbilisi State University after I. Javakhishvili.

The meeting was dedicated to the final stage of the project "Supporting Sustainable Mountain Development in the Caucasus (Sustainable Caucasus)", supported by the Swiss National Science Foundation (SNSF, SCOPES program), as well as the discussion of a joint action plan for the preparation of a project proposal to the Swiss Agency for development and cooperation (SDC). The country delegations discussed areas of future cooperation:

- mapping of hazardous natural processes;
- building regional spatial data infrastructure (SDI);
- organizing student exchange, joint field research and summer scientific schools;
- holding of a mining forum in Ankara (Turkey) in October;

The working meeting was attended by representatives of the University of Geneva (Switzerland), Tbilisi State University after Javakhishvili, Ilia State University, National Association of Local Authorities of Georgia, Institute of Botany of the National Academy of Sciences of Armenia and Armenian State Pedagogical University, University of Malayer (Iran), Institute of Geography, Azerbaijan National Academy of Sciences, Ankara University (Turkey) and Institute of Geography of the Russian Academy of Sciences. The scientific staff of the Institute of Geography of the Russian Academy of Sciences (R. G. Gracheva, A. Medvedev, and A. A. Gritsenko) made their proposals on the possible organization of joint research and youth activities until 2020 in the field of GIS and cartography, study of local and regional problems of sustainable development of mountain territories of the Caucasus.

*[R.G. Gracheva, IG RAS.](#)*

### **XIX international conference with elements of scientific school for young scientists "Biodiversity of Caucasus and South of Russia"**

November 5-6, 2017  
Makhachkala

[Copy-paste from the DSU website](#)







*Foto: [Press office DSU](#)*

From 5 to 6 November the Dagestan State University hosted the XIX international conference with elements of scientific school for young scientists "Biodiversity of Caucasus and South of Russia", devoted to the 75 anniversary of Gaiyirbeg Abdurakhmanov, Dr. Sci. in Biology, honored worker of science of Russia, member of Russian Ecological Academy, Director of the Institute of Ecology and Sustainable Development of DSU. The conference is supported by the grant of the Russian Foundation for Basic Research. Partners and organizers of the event are international and regional environmental organizations and agencies, including the International foundation for conservation and study of marine mammals (Holland), the autonomous non-profit organization "Center of nature of the Caucasus" (Moscow), Ministry of natural resources and ecology of Dagestan, the Dagestan regional branch of Russian Ecological Academy, and oth.

The aim of the conference is to create conditions for a wide public and international discussion and exchange of information to ensure the conservation of biological diversity, rare and endangered species of plants and animals, their habitats, developing and strengthening the system of specially protected natural areas, as well as sustainable development of the Caucasus and the Caspian region by improving international cooperation and information exchange both inside the scientific community and among the organizations of research and development, higher vocational education, including young scientists, and, last but not least, commercial enterprises.

The conference is one of the key events, being held in the Republic of Dagestan in the Year of Ecology. It is attended by scientists from 8 foreign countries from near and far abroad, as well as 19 constituent entities of Russia.

On November 5 the White Hall of the House of Friendship saw the official opening and plenary session of the conference.

The event was opened by Murtazali Rabadanov, Rector of DSU. He welcomed all those present and expressed hope that the forum would be productive and successful for all participants. Furthermore, he handed Gaiyirbeg Abdurakhmanov the diploma on his election as Professor Emeritus of DSU.

The honorary guest of the conference was Mukhu Aliyev, the first President of the Republic of Dagestan and honorary professor of DSU. He noted that he had had a long and friendly relationship with Gaiyirbeg Abdurakhmanov. "Throughout his life Gaiyirbeg Magomedovich tried himself in different spheres. But his main vocation was science. This is a very striking and original, hardworking and determined scientist who did a lot for the development of ecology both in Dagestan and the Caucasus on the whole. Gaiyirbeg Abdurakhmanov has a number of priceless human qualities, and many friends who came to congratulate him, once again prove it", – he stressed.



Then the floor was given to Olga Plyamina, Executive Director of the Non-Governmental Environmental Vernadsky Foundation and the Russian Ecological Academy. She congratulated G. Abdurakhmanov on his anniversary and such a large-scale conference. She also conveyed the gratitude to Professor "For conscientious work in the field of education and science" and in connection with the 75th anniversary from the State Duma Committee for Education and Science. In addition, the celebrant received congratulations from Gadjimet Safaraliev, member of the Duma Committee for Education and Science and Russian Academy of Sciences. G. Abdurakhmanov was also presented with the National Honorary Environmental Award by the Vernadsky Foundation.

Further congratulations to Gaiyirbeg Abdurakhmanov were made by: Abdulmuslim Abdulmuslimov, Secretary of the Security Council of RD; representatives of the Astrakhan delegation – Professor Yuri Pimenov, President of the Astrakhan State Technical University and Dr. Sci. in Agriculture, and Professor Vyacheslav Zaitsev, Deputy Chairman of the Committee on agrarian policy, ecology, environmental management and land relations of the Parliament of the Kabardino-Balkarian Republic; Professor Safarbi Shagapsoev, Dr. Sci. in Biology, honored worker of science of the KBR; Professor Vladimir Onipchenko, Head of the Department of Geobotany of the Lomonosov Moscow State University; and others.

The conference continued with a plenary session. It needs to be noted that the conference will allow to realize in the region of one of the most important provisions of the Strategy for scientific and technological development of the Russian Federation and the Strategy of ecological safety of Russia for the period up to 2025 in terms of improving the quality of life of the population and the condition of the environment, etc.

The conference included the presentation of "Biogeography of the Caucasus", a monograph by G. Abdurakhmanov; a scientific school for young scientists on "Problems of biological diversity of Caucasus and South of Russia", round table activities on "The current state and problems of preservation of the Caspian seal" and breakout sessions.

*[Press office DSU](#)*

### **Kabardino-Balkarian State Agricultural University as the venue of discussions about trends in sustainable development of rural territories**

November 1, 2017

Nalchik

*[Copy-paste from the website of KB SAU](#)*







*Photo by Press service of the KB SAU*

The inter-regional scientific research conference “Sustainable development of rural areas as cornerstone of food security and livelihoods of villagers” has completed its work in KB SAU. The conference was held under the auspices of the all-Russian Congress "Village of the Russian Federation" on October 30-31. The main purpose of the event was to familiarize representatives of relevant ministries, leaders and professionals involved in the agricultural sector of regional economies, as well as representatives of agricultural universities of the country with experience in this area accumulated in the Kabardino-Balkarian State Agrarian University. The "round tables" activities, held on the first day of the event, was attended by Kemal Mokaev, Chairman of the Committee of the Parliament of the Kabardino-Balkarian Republic on agrarian policy, ecology, environmental management and land relations.

The second day of the conference included visits and familiarization with the activities of the Center for sustainable development of rural territories of the Kabardino-Balkarian State Agricultural University and the plenary session. Opening the solemn part of the meeting, Mohamed Shakhmurzov, President of the Kabardino-Balkarian State Agricultural University welcomed the guests and delegates on behalf of the administration and staff of the University. He noted that the Agricultural University, together with administrations of municipal areas, carries out constant monitoring and analysis of the current state of agrarian cluster of the Republic, in the framework of the execution of the Order of the government of the KBR. The scientists of the Agrarian University are involved in the development and implementation of programs for socio-economic development of rural areas of the KBR. The success achieved by the University in this area, was reflected in a documentary, "Problems and ways of development of the Prokhladnensky municipal area", premiered the same day.

The delegates were addressed by: Irina Kulakova, Head of Finance, Economics and State Support for Agriculture of the Ministry of Agriculture of the KBR; Anatoly Vokhmyakov, Director of the all-Russian Congress "Integrated socio-economic development of rural areas and small settlements as the basis of national security of Russia" and Chief Editor of "National Agricultural Magazine"; Boris Uyanaev, Chairman of the Commission on ecology, agroindustrial complex and development of rural territories of the Public Chamber of the KBR; Safarbi Inzhizhokov, Head of Leskensky municipal district; Sergey Golubnichy, Head of the Department of Agriculture of the Prokhladnensky district; and the scientists of the Agrarian University. The conference activities were shared by Hasan Geshev, Deputy Chairman of the Parliamentarian Committee of KBR on legislation, state building and local self-government.

Tsrai Kagermanov, Professor at the Kabardino-Balkarian State Agricultural University, pointed to the need for the establishment of agricultural cooperatives, arguing that such associations in Europe proved successful. Among the main tools for solving social and industrial problems of the village, the emphasis was placed on the development of concession and lease relations and the improvement of cooperation between the state, municipal districts and business.



Summarizing the discussion following the presentations, Anatoly Gordeev, Director of the Center for sustainable development of rural territories of the Kabardino-Balkarian State Agricultural University, noted that the methodological base of the University allows to assess the problems and resources of municipalities, each of which created a working group consisting of heads of Departments of the Ministry of Agriculture of the KBR, deputy heads of districts and chief economists.

The result of a two-day work of farmers was the resolution, which it was decided to convey to relevant ministries and agencies, and also present at the Congress "Village of the Russian Federation" in February 2018 in Moscow.

*[Press Service of KB SAU](#)*

### **International seminar "The Silk Road in the mountains of Central Asia. Ancient trails and modern challenges in times of global change"**

November, 01, 2017  
Moscow







3-4 October 2017, Dushanbe (Tajikistan). International seminar "The Silk Road in the mountains of Central Asia. Ancient trails and modern challenges in times of global change".

The theme of the seminar was proposed at the end of the 2015 by the Mountain Group MAB-6 of the Institute of Geography of Russian Academy of Science (Yu. P. Badenkov) and offered to the Institute for Mountain Societies Research of the University of Central Asia and to the Centre for Development Studies at the Free University of Berlin (Prof. H. Kreuzman). The idea to hold such a seminar arose in connection with a new Chinese initiative (2013) "Silk Road 21. One belt. One way" (OBOR1)", which can be considered as a new geopolitical model of China's expansion in the vast area of Central Asia, the Middle East, the Caucasus and the

Mediterranean. Such a large-scale project that some reputable scientists see as an attempt to establish a new world order (Akad. M. L. Titarenko<sup>2</sup>) will certainly have a strong impact on the economy and socio-economic development of the 60 countries participating in this project.

In the most simplified form, the essence of this Chinese initiative consists in the construction of vehicle (economic) mega-corridors and "the arrangement of zones (districts)" of accelerated economic development. This "innovative approach" to regional development will be carried out "under the banner" of the ancient Silk Road, which was selected as an attractive brand.

In this context, the mountain ranges of Pamir, Hindu Kush, Karakoram, Tien Shan and Altai will be particularly sensitive to new influences. Distinguished by their specific vulnerability to global climate change, mountain socio-ecological systems, landscapes and mountain communities will experience additional impact of the new Chinese development policy in OBOR in no less important and diverse measurements than climatic ones. That is, according to the factor of vulnerability, they find themselves under the dual natural and geo-economic (geopolitical) impact.

Achieving a better understanding of the objectives and scope of OBOR was the main subject of the presentations and discussions. The main objectives of the workshop were the discussion of positive effects of the development of the OBOR doctrine and the possible negative effects, as well as exchange of current experience and knowledge. The main goals and results of the workshop were:

- Development of inter - and transdisciplinary research methods, international exchanges and the strengthening of scientific cooperation.
- Creation of collaborative networks of scholars and practitioners, taking into account the Mountain Agenda 2030.
- Publication of scientific articles in a series of Brief Reports of the Institute for Mountain Societies Research of the University of Central Asia, as well as preparation of synthesis papers in authoritative international journals – "Mountain Research and Development", "Geography, Environment and Sustainability", etc.

These assumptions (working hypotheses) were reasons for conducting an International seminar "The Silk Road in the key regions of Central Asia", organization of which was taken over by the Institute for

Mountain Societies Research of the University of Central Asia. Among the partners and sponsors of the seminar were the following organizations:

- Institute of Geography of RAS
- Center for Development Studies, Free University of Berlin
- International Centre for Integrated Mountain Development (ICIMOD)
- Institute of Ecology and Geography in Xinjiang, Chinese Academy of Sciences
- Department of Geography, University of Oxford
- Lanzhou University (China)
- The Aga Khan Development Network.

The seminar was attended by over forty scholars, practitioners, experts from 11 countries. Russia was represented by Yu. P. Badenkov (Institute of Geography of RAS, Moscow), Professor A. N. Dunets (Head of Department of Economic Geography, Altai University, Barnaul, Altai) and T. V. Yashina (Deputy Director for Science of Katun Nature Reserve, Ust ' - Koksa, Altai). They made the following presentations:

- Y. P. Badenkov: "Cross-border nodes of High Asia and the Silk Road: geography, environment and sustainability of Altai";
- A. N. Dunets: "Tourism development in the transboundary Altai: the impact of the "One belt. One way Project ";
- T. V. Yashina: "History of creation and the prospects for the transboundary UNESCO Great Altai Reserve.

At the end of the seminar, the Dushanbe Declaration was adopted, which contains a number of recommendations:

- Local, regional and national actors within the sphere of influence of the Chinese project "Silk Road 21. One belt. One path" should be involved in the planning and practical implementation of the proposed projects, running under the banner of OBOR;
- Regional cooperation should be supported through the mechanisms of cross-border cooperation, conclusion of interstate agreements, establishment of databases and information exchange;
- To apply the method of scenario planning for an objective assessment of potential positive and negative impacts on biological and cultural diversity of socio-ecological systems and landscapes;
- The concept of transboundary UNESCO biosphere reserves can be used as an effective mechanism to preserve the cultural and biological heritage and sustainable development. The experience of the transboundary UNESCO Great Altai biosphere reserve showed the advantages of this approach and can be recommended as a model for creating a transboundary park in the Big Pamirs;
- To create a network (Alliance) of universities, research institutes, non-governmental organizations for sustainable exchange of information and knowledge during the implementation of China's OBOR initiative.

After the seminar, a 5-day field car tour was organized to the Pamirs and Wakhan (10 participants), with a visit to the new campus of the University of Central Asia in Khorugh.

*[Y. P. Badenkov, IG RAS](#)*

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1 - One Belt. One Road (OBOR).

2 - M. L. Titarenko, V. E. Petrovsky. Russia, China and the New World Order. Theory and Practice. Institute for Far Eastern Studies. - Moscow: Ves' Mir, 2016. – 304 p.

### **The all-Russian scientific research conference "Role of Russian scientists in the formation and development of agricultural science in Dagestan"**

October, 2017  
Makhachkala





*[Foto: DSAU](#)*

The M. M. Dzhambulatov Dagestan State Agrarian University hosted the all-Russian scientific research conference "Role of Russian scientists in the formation and development of agricultural science in Dagestan".

The event was dedicated to the anniversary of Galina Ivanovna Arnautova, honored worker of higher school of Russia, and honored worker of education of RD, deputy of II and III convocations of the National Assembly of RD of and Makhachkala City Assembly, Cand. Sc. in Biology, associate professor of botany, genetics and breeding.

*[News of M. M. Dzhambulatov DSAU](#)*

**All-Russian scientific research conference with international participation "Ecology: rational natural resource use and life safety"**

October, 19-22, 2017

Maikop

*[Copy-paste from the website of ASU](#)*



The Adyghe State University hosted the all-Russian scientific research conference with international participation "Ecology: rational natural resource use and life safety", dedicated to the Year of Ecology and specially protected natural areas.

The conference received more than 120 applications, various research contents were submitted by scholars from different regions of Russia (Moscow, St.-Petersburg, Krasnodar, Sochi, Maikop, Stavropol, etc.), as well as from Abkhazia, Kazakhstan, Germany.

More than 60 delegates arrived for full-time participation in the conference.

The opening ceremony of the conference was among others performed by M. I. Cheskidov, Chairman of Committee of the State Council–Khase of Republic of Adyghe on tourism, environment and natural resources management. He pointed out the importance of a scientific approach to further effective conservation of the natural wealth of the region and the relevance of the event. The participants were addressed with a welcoming speech by Professor R. D. Khunagov, Rector of ASU, and Professor A.V. Shakhanova, Vice-Rector for Scientific Work.



In the framework of the conference, a plenary session and various section work took place. The conference considered problems of preservation of biodiversity of plants and animals, introduction and invasions, issues regarding geocology, environmental management, geoinformatics, ecology, health, ecological tourism, environmental education.

On the basis of the H. G. Shaposhnikov Caucasian State Natural Biosphere Reserve, an offsite environmental seminar was organized on the rational use of recreational resources of mountain territories with due consideration of the development of ecological tourist destination.

[\*News of ASU\*](#)

**III Caucasian ecological forum "Ecology, health, and education in XXI century. Global integration of modern research and technology"**

October,12-15, 2017  
City of Grozny







*Photos: Courtesy of Administrative Office of NCSC.*

12-15 October 2017, the Center of Collective Use of the Chechen State University hosted the III Caucasian ecological forum "Ecology, health, and education in XXI century. Global integration of modern research and technology". The forum is organized by the Ministry of Education and Science of the Russian Federation and the Federal State Budgetary Educational Institution of Higher Education "Chechen State University".

The purpose of the forum is exchange of information and coordination of scientific research in the fields of ecology, geography, biology, medicine and pedagogy.

The organizers initially considered the event as a broad platform for discussing problems and prospects of modernization of Russia and its regions in terms of environmental protection and public health.

Representatives of public authorities and local governments, public ecological organizations, educational institutions, heads and ecologists of the industrial enterprises, scientists and experts in the field of environmental protection and rational use of natural resources, human health and ecology of culture both from the Russian Federation and several foreign countries, were invited to the forum.

The main thematic directions of the forum were:

- Environmental problems in the Russian Federation, the role of ecology and medicine in an environmentally safe development conditioned by the changing interaction between nature and society.
- Global integration of modern research and technologies for the preservation of human health.
- A healthy lifestyle: modern approaches, methods and means of formation.
- Environmental problems and the health of the population.
- Problems of the ecology of culture of the peoples of the Caucasus.
- Ecological tourism: problems and solutions.
- Environmental management: status and prospects.

64 the works of more than 100 authors were submitted to the III Caucasian ecological forum "Ecology, health, and education in the twenty-first century. Global integration of modern research and technology". By the beginning of the event, the organizers published the forum proceeding as a separate collection.

The first day of the event started with a welcome speech given by the Co-Chairman of the Organizing Committee Zaur Baronovich Kindarov, M. D., Associate Professor and First Vice-rector of CSU. In his brief address to the forum participants he thanked all participants for their active participation and wished them fruitful work for the benefit of the Chechen Republic, North Caucasus and the Russian Federation on the whole.



After that the audience was addressed with words of gratitude and wishes of fruitful work by Malika Ahmedovna Buralova, Cand. Sc. in Economics, Associate Professor and Vice-Rector of CSU for Educational Work and Informatization.

The welcome part of the event was completed by Umar Tashadievich Gairabekov, Cand. Sc. in Biology, Associate Professor, Head of Department of Geography and Geoecology of CSU. After the greeting, in his report, U. T. Gairabekov outlined the main goals and objectives of the forum, spoke about the history and results of the previous two forums, and also spoke about the University and the Department of Geography and Geoecology he is now heading. Concluding his speech, he thanked again all participants and wished them all success in their work.

Then the plenary session began, which featured the following presentations:

- "The frequency of dangerous weather phenomena and their environmental consequences on the territory of Abkhazia" by Yanvarbi Alievich Ekba, Dr. Sci. in Physics and Mathematics, Professor, Member of the Academy of Sciences of Abkhazia, Head of Department of Applied Ecology of Abkhazian State University;
- "Prospects for the development of "green energy" in the Chechen Republic" Ibragim Akhmedovich Kerimov, Dr. Sci. in Physics and Mathematics, Professor, Vice-President of the Academy of Sciences of the Chechen Republic, Professor of the S. I. Vavilov Institute of History of Science and Technology of the Russian Academy of Sciences, Chief Researcher of the Federal Agency of Scientific Organizations (Moscow), Member of the Presidium of the Pugwash Committee to the Presidium of RAS, Head of the Grozny branch of the Pugwash Committee;
- "Physical and geographical boundaries of different rank and their impact on the natural resource use on the territory of the Chechen Republic" by Aleksey Gunya, Dr. Sci. in Geography, Senior Researcher at the Institute of Geography of RAS, Member of the Steering Committee of Mountain Research Initiative (MRI), Head of the Mountain Group MAB-6/IG RAS;

After the lunch break, participants continued their work at the round tables.

- Environmental problems in the Russian Federation, the role of ecology and medicine in an environmentally safe development conditioned by the changing interaction between nature and society.
- A healthy lifestyle: modern approaches, methods and means of formation.
- Environmental problems and the health of the population.
- Ecological tourism: problems and solutions.

In the sections in the format of round tables the following reports were made:

- "Lichen-indication monitoring of air environment quality of the Avenue Mohamed Ali in Grozny" by Leyla Lamalievna Satueva, Cand. Sc. in Biology, Federal State Budgetary Educational Institution of Higher Education "Chechen State University";
- "Monitoring of cancer situation on the territory of the Chechen Republic" by Tamila Nasyrovna Ashurbekova, Associate Professor, Department of Ecology and Plant Protection, Dagestan State Agrarian University;
- "Ecological and geographical assessment of the tourism and recreational potential of the highlands of the Chechen Republic" by Arun Abolkhanovich Daukaev, Dr. Sci. in Geology and Mineralogy, Kh. I. Ibragimov Integrated Research Institute of RAS, Federal State Budgetary Educational Institution of Higher Education "Chechen State University";
- "The study of CAMELUS DROMEDARIES and CAMELUS BACTRIANUS animal groups on individual genes using the method of DNA fingerprinting" by Professor Valery Pavlovich Terletsky, Dr. Sci. in Biology, Chief Researcher of the Laboratory of Molecular Genetics, all-Russian Research Institute of Genetics and Breeding Farm Animals;
- "On the question of classification and application of criteria of sustainable development" by Yury Isayevich Karayev, Chairman of Administrative Office of North Caucasian Scientific Cooperation, Deputy Director of the Center on International Cooperation,

External Relations and Sustainable Development NCIMM (STU), Director of the Autonomous Nonprofit Organization "International Innovation Scientific Technological Centre "Sustainable Development of Mountain Territories" (IISTC "Mountains");

- "Landscape-geoecological planning of the territory of the Chechen Republic for the purposes of rational nature management" by Salanbek Bekarovich Matsaev, Head of Environmental Laboratory of the Department of Environment and Natural Resource Use of the Federal State Budgetary Educational Institution of Higher Education "Chechen State University";
- "Modern natural reserve stock of the Rostov region" by Professor Olga Vasilyevna Ivlieva, Dr. Sci. in Geography, Head of Department of Tourism of the South Federal University;
- "The environmental status of mountain meadow landscapes of the Karachay-Cherkess Republic (on the example of the plateau Biychesyn)" by Khalimat Azretovna Dzhanibekova, Cand. Sc. in Geography, Associate Professor of Physical and Economic Geography of the Federal State Budgetary Educational Institution of Higher Education "The U. D. Aliev Karachay-Cherkess State University";
- "Tourism in the sectoral and territorial structure of the new economy of the Chechen Republic" by Ahmed Lechaevic Ustaev, Cand. Sc. in Geology, Associate Professor, Head of Department of Economic and Social Geography of the Federal State Budgetary Educational Institution of Higher Education "Chechen State University";
- "Actual problems of ecological tourism on the territory of the Volgograd region, the ways of their solution and development prospects" by Natalia Viktorovna Maryankova, Head of Department of Development of Specially Protected Natural Areas and Environmental Education of the Committee of Natural Resources, Forestry and Ecology of the Volgograd region;
- "Ethnographic tourism as a direction of development of ecological tourism" by Elena Valeryevna Dashkova, Cand. Sci. in Physics, Associate Professor at the Federal State Budgetary Educational Institution of Higher Education "Chechen State University";

The results of the meetings of were announced at the closing ceremony, which was held at the Center for Collective Use of the Chechen State University.

The moderators of the round tables summarized the work of their sections and briefly outlined and assessed the contents of the submitted reports.

The first day of the event ended with a sightseeing tour entitled "From the ashes" of the city of Grozny.

The next day, the organizers arranged an ecological tour to the village of Nikhaloy in the Shatoysky district of the Chechen Republic.

*Administrative Office of NCSC.*

### **The V anniversary international political science forum "Russian Caucasus"**

October, 10-12, 2017  
Grozny



*Foto: Press Service of GSTOU*

The V anniversary international political science forum "Russian Caucasus" was held in Grozny. The event was attended by prominent public and political figures, scientists, representatives of state authorities, members of youth social movements, students and numerous guests. The main theme of the meeting was the use of social and economic opportunities of the Russian Caucasus and relevant aspects of interregional and international cooperation.

[Press Service of Grozny State Technical Oil University](#)

**The international scientific conference "Modern methodology, evaluation tools and selection of breeding material of horticultural crops and grapes"**

October, 10-11, 2017  
Krasnodar



[Foto: of FSBSI NCF SCHVW](#)

Copy-paste from the website of the Federal State Budgetary Scientific Institution "The North Caucasus Federal scientific center of horticulture, viticulture and winemaking"

The international scientific conference "Modern methodology, evaluation tools and selection of breeding material of horticultural crops and grapes" was held on the basis of FSBSI NCF SCHVW with the financial support of the Russian Foundation for Basic Research.

The conference was aimed at solving current problems in the management of the breeding process, involving the application of modern methodologies, methods and techniques in the field of private plant breeding, genetics, developmental biology, physiology, biochemistry and bioinformatics, providing rapid creation of domestic varieties of horticultural crops and grapes.

The event was attended by more than 100 scientists and breeders of the North Caucasus – representatives of scientific and educational institutions of the Krasnodar and Stavropol territories, the Rostov region, Republic of Adygea, Republic of Dagestan, Chechen Republic, Kabardino-Balkaria, Abkhazia and foreign countries: Belarus, Kazakhstan, Moldova, Latvia, as well as specialists of scientific-production associations, enterprises, farms and agricultural firms of different ownership forms, etc.

[News of FSBSI NCF SCHVW ...](#)



**II International scientific research conference "Regional Development in the XXI century"**

October, 6, 2017  
Vladikavkaz





*Photos by Administrative Office of NCSC.*

October 6-7, 2017, Vladikavkaz, Conference Hall of the North Ossetian K. L. Khetagurov State University. The II International scientific research conference "Regional Development in the XXI century" was dedicated to the Year of Ecology in Russia and the 45th anniversary of the regional branch of the all-Russian public organization "Russian Geographical Society" in the Republic North Ossetia-Alania.

The main objective of the conference is to discuss actual problems and prospects of development of the regions. The organizers and participants of the conference were: Government of the Republic of North Ossetia-Alania, Ministry of Education and Science of Russian Federation, Institute of Geography of Russian Academy of Sciences, North-Ossetian K. L.

Khetagurov" State University, Ministry of Ecology and Natural Resources of Republic North Ossetia-Alania, Development Agency of the Republic of North Ossetia-Alania, Regional Department of all-Russian public organization "Russian Geographical Society" in the Republic of North Ossetia-Alania, North-Caucasian Institute of Mining and Metallurgy (State Technological University", Center of Geophysical Investigations of Vladikavkaz Scientific Center of RAS, North Ossetian Republican branch of the all-Russian Society for Nature Protection", International Academy of Authors of Discoveries and Inventions, the regional North Ossetian office of the Russian Ecological Party "The Green", "Agro-Holding Ltd".

The conference was attended by leading scientists and experts in the field of ecology and environmental management, economics, education, cultural studies and ethnography from Russian Federation, Republic of Belarus, Bulgaria, Azerbaijan Republic, Kazakhstan, Ukraine, Republic of Abkhazia and Republic of South Ossetia.

The Russian Federation was represented by scientists and leading specialists of 40 scientific and educational institutions from more than 20 regions of the country.

The plenary session and thematic sections participants discussed issues of rational use of natural resources, landscape and spatial planning, socio-economic, ethnic and cultural problems and prospects of regional development, environmental security, natural and technological risks.

The conference was opened with a welcoming speech by Alan Ogoev, Rector of NOSU.

In his speech, Akhurbek Magometov, President of NOSU, wished the participants and guests of the conference fruitful work and success in all their endeavors.

Greeting the conference attendees, Taimuraz Tuskaev, Chairman of the Government of the Republic North Ossetia-Alania, expressed the hope that theoretical conclusions and practical recommendations of the conference would serve as a basis for strategic development of the Republic. He further highlighted the joint efforts of the government, the scientific community and the society as a whole, to support the development of green economy and ecological culture in Russia and his expectations for the improvement of the ecological situation both in our Republic and in the country.

At the plenary session with their reports were:

- Boris Mikhailovich Sabanti, Dr. Sci. in Economics, Professor, Saint-Petersburg, Russia;
- Ruslan Suleimanovich Bzarov, Head of Department of Russian History and Caucasian Studies, North Ossetian State University, Dr. Sci. in History, Professor, Vladikavkaz, Russia;
- Eduard Batyrbekovich Kubalov, Head of Department of Water Resources, Preservation of Biodiversity and Natural Monuments of the Ministry of Environmental Protection and Natural Resources, Vladikavkaz;
- William Taimurazovich Gagiev, Director on Tourism Development of the Development Agency of the Republic of North Ossetia-Alania, Cand. Sc., Vladikavkaz, Russia;
- Fatima Musaevna Hatsaeva, Dean of the Faculty of Geography and Geoecology, Head of Department of Geoecology and Land Management of the K. L. Khetagurov North Ossetian State University, Cand. Sc. in Geography, Vladikavkaz, Russia;
- Aleta Teymurazovna Tsorieva, Deputy Minister, Ministry of Economic Development of the Republic of North Ossetia-Alania, Vladikavkaz, Russia;

After the break the conference was continued, with the following works presented to the audience:

- Chedzhemov, S. R. "Pedagogical innovation at the end of XX – beginning of XXI century and their role in the development of the intellectual attractiveness of North Ossetia";
- Kyarova, G. A. "The role of public environmental movement in the formation of ecological culture (on the example of the Kabardino-Balkarian Republic)";
- Gasiev, V. I., Gunya, A. N., Karaev, Yu. I. "Advantages of the interview method of conducting research";



- Piven', K. V., Filobok, A. A. "Suburbanization and agricultural development of suburban areas and resort centers of Krasnodar territory";
  - Besolov, A. V., Besolov, V. B. "The family-tribal identity of ancient settlements of Mountain Ossetia as an inviolable constant in the context of architectural uniqueness, ethno-cultural development and recreation of historical objectivity";
  - Zhavoronkov, D. V., "Decision making on destination by a tourist";
  - Soloviev, I. A. "The government adaptation-integration policy in relation to foreign migrants in the North Caucasus";
  - Ibragimov, E. E. "Problems of tourism development in the regions of the Russian Federation";
- and other.

After the presentations, there was a debate, the presenters answered questions from the audience, and it was also suggested that the participants should start the discussion of the conference resolution. According to the results of the conference, North Ossetian State University published the edited volume of "Regional Development in the XXI century: Proceedings of II International scientific research conference", containing 135 works by over 300 authors.

*Administrative Office of NCSC*

### **III International scientific research conference on «Historical and cultural heritage of the Great Silk Road and promotion of tourist destinations in the North Caucasus»**

October, 5, 2017

City of Stavropol

a copy-paste from [the website of the NCFU](http://ncfu.ru)





*Foto: [Information and public relations Office of the NCFU](#)*

The III International scientific research conference on «Historical and cultural heritage of the Great Silk Road and promotion of tourist destinations in the North Caucasus» started in the NCFU. The event is timed to the Year of sustainable tourism for the benefit of development, declared by the UNO in 2017. Scientists from Russia, Italy, Portugal, Hungary and other countries are focused on problems and prospects of development of the Great Silk Road as a top priority worldwide project in the field of tourism, on the possibility of forming its areas on the territory of Russia, on the potential of creating and promoting tourist destinations in the region.

The opening speech was made by Alina Levitskaya, Rector of the NCFU:

– The Great Silk Road is one of the major civilization routes with a millennial history, and we feel honoured to be able to participate in upcoming varied activities. Despite the fact that we have possessed the status of a federal university for five years only, it is the third time now that we are conducting such a representative conference on such a meaningful issue. North Caucasus is a territory, strategically important for Russia's national security. It is no wonder that the region needs to be promoted in terms of socio-economic development. An advanced tourist sector could help significantly. In this respect, the historical and cultural heritage of the Great Silk Road is undoubtedly of great value.

In her speech Alina Afakoevna highlighted the model of tourism education in the School of Caucasian hospitality. The school was launched on the basis of the Institute of Service, Tourism and Design, North-Caucasus Federal University, Pyatigorsk, under a tripartite agreement between the University, the joint stock company «North Caucasus Resorts» and the Hague School of Hotel Industry. In general, for 2013-2017 the School has prepared more than 700 qualified specialists in service, tourism and hotel business. The employment of the graduates

amounted for more than 90 %. The educational process in the University is implemented taking into account domestic and foreign advanced experience, having been gained by 16 teachers of the NCFU during their training in the leading universities of Europe. Cooperation has been established with a strategic partner of «North Caucasus resorts», which allows organizing production practice for students, and also getting recommendations of practitioners to update and improve educational programs. Also, the University has created a multidisciplinary resource centre with the aim of professional training, advanced training and retraining of secondary special education personnel and working professionals for the tourism cluster. Since 2012 95 educational programs has been developed for the center, and nearly 5 thousand people from all the regions of the North Caucasian Federal District have been trained on them. Actively conducted are also project activities, for example, a map of tourist routes of Stavropol region has been prepared both in Russian and English.

The subject of implementation of the model of tourism education was further developed by Vitaliy Belozarov, Advisor to the Rector and Director of the Institute of Mathematics and Natural Sciences of NCFU. Recently, tourism has been actively developed in Russia, including in the area of the Great Silk Road in the North Caucasus. In 2016, the total number of tourists in the region amounted to 3.5 million, and by 2025 this figure will increase to 10 million. “The growth of tourist flows involves a major upgrade in the universities training specialists for tourism sector”, - said the Professor. Today, both the countries, in general, and the Caucasus, in particular, are faced with a shortage of qualified professionals engaged in the organization of tourist services. The NCFU has developed an integrated model for training necessary personnel. The model comprises staffing, content preparation, educational environment, employment of graduates and the labour market. Currently, more than a thousand people from 22 regions of the Russian Federation and 10 countries of the world participate in the programs of the School of Caucasian hospitality. Two profiles are being implemented: «Business Administration» and «International Tourism».

At the conference, Anna Aleksandrova, Professor of Department of Recreational Geography and Tourism of M. V. Lomonosov Moscow State University and Laureate of the RF Government prize in the field of tourism, has developed the issue of the Chinese consumer in the Russian tourist market. Today, on almost all key indicators of tourism statistics, China is in the top of the world rankings and the leader in terms of outbound tourist flows. Between 2000 and 2016, the number of outwards trips by Chinese tourists has increased more than 13 times. Among the factors that stimulate tourism in the state, Anna Aleksandrova noted the growth of real incomes of the population, the simplification of passport obtaining procedures, the integration of China into the international economic space and other. Russia is one of the twenty popular destinations for Chinese tourists. Speaking about Russian inbound market, China is also leading the way. Anna Aleksandrova drew attention of the conference attendees to the specifics of tourists from China. Among them there is a sharp predominance of the elderly, the duration of the trip is 6-8 days, but there are a large number of short trips of 1-2 days, more than half of the travel budget is spent on shopping. With regard to the degree of satisfaction, 82 percent of tourists from China are ready for re-visit Russia.

In the course of the event, Giuseppe Ciccarone, Dean of Department of Economics at La Sapienza University (Italy), outlined the features of the development of the tourism industry in Italy. Jorge Gomes, Head of the MBA Programme and Professor of Management at the Higher School of Economics and Management, Lisbon University (Portugal), highlighted the experiences and tendencies of international tourism in Portugal. The general interest was aroused by the concept of urban development for the resort of Kislovodsk, presented by Rakim Makhmudov, Chief of Department of Innovation, Strategic Partnership Development and Commercialization of NCFU.

The conference continued in the framework of the six sections. Tomorrow the participants will go to Arkhyz to attend the field workshop "Promotion of tourist destinations in the mountain areas of the North Caucasus". They will also be taken on a tour "Along the Route



of the Great Silk Road". The conference will end on 7 October with the adoption of the resolution.

*[Information and Public Relations Office of NCFU](#)*

**International Scientific Research Conference «Geological and Geophysical Research of Deep Structure of Caucasus. Geology and Geophysics of Caucasus: Contemporary Challenges and Exploration Tools», dedicated to the 20th Anniversary of Geophysical Institute, the Affiliate of the Vladikavkaz Scientific Center of the Russian Academy of Science (RAS)**

September, 30, 2017  
Vladikavkaz



*Photos: Courtesy of Administrative Office of NCSC.*

The International Scientific Research Conference «Geological and Geophysical Research of Deep Structure of Caucasus: Geology and Geophysics of Caucasus: Contemporary Challenges and Exploration Tools», dedicated to the 20th Anniversary of Geophysical Institute, the Affiliate of the Vladikavkaz Scientific Center of the Russian Academy of Science, took place on September 27-29, 2017.

The proceedings were launched by Professor V. B. Zaalishvili, Dr. Sci. in Physics and Mathematics, Director of Geophysical Institute, Vladikavkaz Scientific Center of RAS.

Words of welcome were shared by A. Yu. Alikov, Deputy Minister of Education and Science of the Republic of North Ossetia-Alania; Professor A. G. Kusraev, Dr. Sci. in Physics and Mathematics, Director of Vladikavkaz Scientific Center of RAS; Professor Yu. V. Dmitrak, Doctor in Technical Science, Acting Rector of North Caucasian Institute of Mining and Metallurgy (State Technological University).

At the plenary session the conference attendees heard the following reports:

G. D. Etirmishli, S. E. Kazymova (Republican Seismic Survey Center of Azerbaijan National Academy of Sciences): «Typology of tectonic movements of seismogenic areas of Azerbaijan based on mechanisms of earthquake sources of Azerbaijan».

N. V. Koronovsky (Moscow State University): «Upper-Pleistocene explosive breccias (fluidics) of the Darial gorge in the Terek river valley».

S. U. Parada (Geophysical Institute, Vladikavkaz Scientific Center of RAS): «Metallogenic properties of the Tyrnyauz ore-magmatic system».

T. V. Giorgobiani (Geophysical Institute, Tbilisi State University), D. P. Zakaraia (Integrated Geological Party): «Kistinka suite: structure, age, and relationship with granitoids of the Darial gorge».

A. R. Arakelian (Armenian Association of Seismology and Geophysics), A. A. Gonian (Western Seismic Protection Service, Ministry of Emergency Situations, Republic of Armenia), S. S. Margarian (Western Seismic Protection Service, Ministry of Emergency Situations, Republic of Armenia), M. R. Gevorkian (Institute of Geological Sciences, National Academy of Sciences of Republic of Armenia): «Evaluation of seismic hazards on the territory of the Tatev monastic complex in Armenia».

P. E. Marchenko (Center for Geophysical Research, Kabardino-Balkarian Scientific Center of Russian Academy of Science) gave a short report on the current situation after the disastrous mudslide of September 1, 2017 in Elbrus district of the Kabardino-Balkar Republic as well as on the contemporary condition of the Bashkar glacier. The report was complemented with photographs of the area of various years.

P. E. Marchenko (Center for Geophysical Research, Kabardino-Balkarian Scientific Center of Russian Academy of Science) briefly acquainted the attendees with some further reports by P. E. Marchenko, D. R. Dzhappuev (Center for Geophysical Research, Kabardino-Balkarian Scientific Center of RAS): «Quantitive evaluation of current mudflow hazards of headwaters of Cherek-Balkarsky and Cherek-Bezengiysky rivers in the Kabardino-Balkar Republic»; P. E. Marchenko (Center for Geophysical Research, Kabardino-Balkarian Scientific Center of RAS), D. R. Dzhappuev (Center for Geophysical Research, Kabardino-Balkarian Scientific Center of RAS, Prielbrusye National Park), B. R. Baidaeva (Prielbrusye National Park): «Quantitive evaluation of current mudflow hazards for the southern part of Prielbrusye National Park».

After the comfort break the following contributions were made:

N. V. Koronovsky (Moscow State University). “Most recent tectonics and volcanism of the Terek river-valley from the Cross Pass to Vladikavkaz”.

A. V. Myasnikov, V. K. Milyukov (Sternberg Astronomical Institute of Moscow State University). “On a new peripheral magma pocket of the Elbrus volcanic center”.

I. D. Muzaev, K. S. Kharebov, N. I. Muzaev (Geophysical Institute, Vladikavkaz Scientific Center, Russian Academy of Science). “Mathematical modeling of seismic vibrations of dams”.

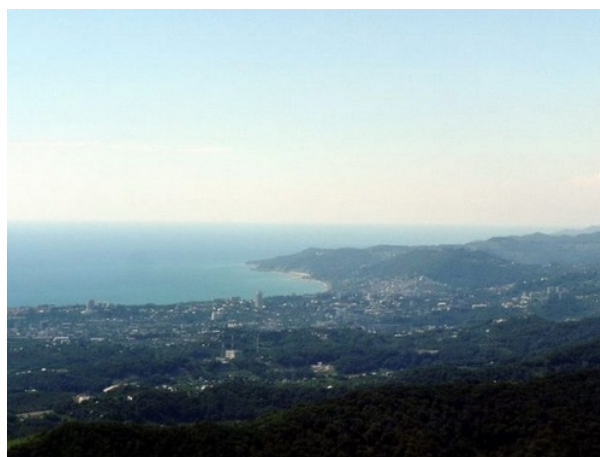
Upon finishing giving their reports, the conference attendees departed for the «Bars» Youth Center of Local History and Tourism, township of Fiagdon, where on September 28 the conference resumed its proceedings. On September 29 the work of the conference was closed.

The conference proceedings were also attended by Yu. I. Karaev, Chairman of the Administrative Office of the North Caucasian Scientific Cooperation, Deputy Director of the Center of International Cooperation of the North Caucasian Institute of Mining and Metallurgy (State Technological University), Director of the Independent Non-Profit Organization International Innovation Scientific Technological Center “Mountains”.

*Administrative Office of NCSC.*

### **The International forum on specially protected natural areas**

September, 25, 2017  
Sochi





*[Photos: website of Sochi National Park](#)*

September 28 – October 2 2017, Sochi, Krasnodar Krai. Ministry of Natural Resources and Environment of Russian Federation holds an international forum on specially protected

natural areas. Participants include S. E. Donskoy, Minister of Natural Resources and Environment of the Russian Federation.

Announced reports:

- "Combined International Efforts for Nature Conservation" by Kathy MacKinnon, Chairman of World Commission on Protected Areas, International Union for Conservation of Nature.
- "Scientific Research and Environmental Monitoring in Natural Reserves and National Parks of Russia" by A. M. Amirkhanov, Deputy Director of Federal Service for Supervision of Natural Resource Usage.
- "Protection of Natural Complexes and Areas of Federal Significance" by P. I. Shpilenok, Director of Kronotsky State Nature Reserve.
- "Environmental Education in Nature Reserves and National Parks of Russia" by N. P. Danilina, Director of Zapovedniki Environmental Education Center.
- "Educational Tourism in Specially Protected Federal Natural Areas" by V. V. Nepomnyashchiy, Director of Khakassia State Nature Reserve.
- "Shaping Public Support for Nature Reserves and National Parks" by I. P. Shpilenok, blogger, member of International League of Wildlife Conservation Photographers.
- "Nature Reserves and National Parks of Russia: Broadening International Cooperation" by D. Yu. Gorshkov, Director of Sikhote-Alin State Nature Reserve.
- "Preservation of Historical and Cultural Heritage of Russian Nature Reserves and National Parks" by Yu. A. Vedenin, expert on historical and cultural heritage.

***Platforms for discussion:***

**PLATFORM № 1:** «PROTECTION OF NATURE AS PROTECTION OF HOMELAND». Protection of territories and fight against poaching (moderated by M. E. Ovdin, A. R. Murzakhanov, A. V. Borodin).

**PLATFORM № 2** «INTRODUCING WHAT WE KNOW AND LOVE». Educational tourism in specially protected natural areas (moderated by V. V. Nepomnyashchiy, V. M. Shcherbakov, A. V. Yakovlev).

**PLATFORM № 3** «THE PINNACLE OF LIFE ON EARTH». Large mammals in specially protected natural areas. Rare species (moderated by R. V. Yershov, S. V. Naidenko, S. V. Sutyryna).

**PLATFORM № 4** «FRIENDS OF PROTECTED ISLANDS». Children and specially protected natural areas. Young naturalists' movement and nature conservation (moderated by E. B. Knizhnikova, V. M. Shcherbakov, V. I. Sutula).

**PLATFORM № 5** «TOGETHER». Business and promotion of nature conservation (moderated by I. V. Sannikova, M. S. Gracheva, I. P. Shpilenok).

**PLATFORM № 6** «IN TUNE WITH THE TIMES». Modern technologies in the service of nature conservation (moderated by A. V. Lavrenov, R. A. Korchigin).

**PLATFORM № 7** «MAN AND BIOSPHERE». Network expansion of biosphere reserves of UNESCO (moderated by V. M. Neronov, O. K. Kirilyuk, E. V. Filippova, V. S. Khoteeva).



## XII International Conference «Fundamental and Applied Problems of Mathematics and Informatics»

September, 19, 2017  
Makhachkala



Photos: [Courtesy of Press Service of DSU](#)

September 19, Dagestan State University (DSU), Rectorate Conference Hall. The XII International Conference «Fundamental and Applied Problems of Mathematics and Informatics», dedicated to the 85th anniversary of Professor Mukhtar Gusseinovich Alishaev, started its proceedings.

[Press Service of DSU](#)

## All-Russian Scientific Research Conference «Fiscal Action and Finance and Credit Facilities as Development Tools for Russian Economy»

September, 18, 2017  
Makhachkala



Photos: [Courtesy of Press Service of DSU](#)

September 18, Dagestan State University, Department of Economics. The all-Russian Scientific Research Conference «Fiscal Action and Finance and Credit Facilities as Development Tools for Russian Economy» started its proceedings.

[Press Service of DSU](#)

## "The Mount Elbrus Conference: from Deep Underground up to the Sky"

September, 16, 2017  
Pyatigorsk



*Photos: [Courtesy of Press Service of DSU](#)*

September 11 to 16, 2017, Pyatigorsk, Intourist Hotel. "The Mount Elbrus Conference: from Deep Underground up to the Sky", dedicated to the study of universe via low background experiments and all-wave astronomy, started its proceedings.

[Press Service of Kabardino-Balkarian State University](#)

## VI All-Russian Conference with International Participation «Mountain Ecosystems and Their Components»

September, 16, 2017  
Nalchik



*Photos: [Courtesy of Administrative Office of NCSC.](#)*

September 11-16, 2017, Nalchik: the Tembotov Institute of Ecology of Mountain Territories of the Russian Academy of Sciences held the VI all-Russian conference with international participation «Mountain Ecosystems and Their Components». The conference took

place at the premises of the Kabardino-Balkarian State Agricultural University and was dedicated to the Year of Ecology and the 100th Anniversary of Reserve Management and Studies in Russia.

The framework of the conference included workshops on the following topics: «Soils of mountain territories», «Vegetation: protection and rational use in mountain territories», «Fauna: morphological and genetic variability, protection and rational use of invertebrates in mountain territories», «Fauna: morphological and genetic variability, evolution, protection and rational use of vertebrates in mountain territories», «Mountain ecosystems: dynamics and biodiversity».

The general session attendees heard the following reports by the conference participants:

- Badenkov, Yu. P., «Preservation and development of mountain and cultural ecosystems and socio-ecological systems: the UNESCO-aided Man and Biosphere Program and Mountain Group 6».
- Badenkov, Yu. P., «The concept of connectivity conservation as a new preservation and development paradigm for natural ecosystems».
- Badenkov, Yu. P., «The Year of Ecology, 100th anniversary of reserve management system and mountain regions of Russia».
- Dzhamirzoev, G. S. «Special protected natural areas of the Republic of Dagestan. Contemporary state and optimization prospects».
- Makarova, O. L., Babenko, A.B., «Arthropods at heat availability point. An analysis of populations of Arctic deserts».
- Malandzia, V. I. «Vertebrates of special protected natural areas of Abkhazia».
- Orlova, M. V. «Minimally invasive and informative: parasitological research reveals secrets of hosts».
- Rozhnov, V. V., Chistopolova, M. D., Ernandes-Blanco, H. A., Pkhitikov, A. B., Trepet, S. A., Blokhin, I. G., Sorokin, P. A., Naidenko, S. V., Yachmennikova, A.A., Dronova, N. A. «Monitoring of Persian leopards (*P.p.ciscaucasica*) released in nature: experience in collection and processing of information on migration and nutrition».
- Tembotova, F. A. «On the necessity of a consistent conceptual approach to nature protection activities as a single physiographic unit on administrative territories of a separate mountain system».
- Tuniev, B. S. «Cryptic speciation of *Pelias Merrem* in the Caucasus Mountains and North Anatolia».
- Urbanavichyus, G. P., «Special aspects of distribution of all the variety of the lichen flora of North Caucasus».

The plenary session activities were also shared by: V. N. Bolshakov, an expert on zoo ecology, evolutionary and population ecology, member of the Russian Academy of Science; K. M. Kuniev, Director of the Dagestan State Nature Reserve; Yu. I. Karaev, Chairman of the Administrative Office of North Caucasian Scientific Cooperation, Deputy Director of the Centre for International Cooperation of the North Caucasian Institute of Mining and Metallurgy (State Technological Institute), Director of the Independent Non-Profit Organization «International Innovation Scientific Technological Centre Mountains».

The workshops functioned throughout 13 and 14 of September. Following that, on September 15 the organizers arranged a journey for the conference participants to the Cherek gorge.

*Administrative Office of NCSC*

## Preparation of the Scientific Practical Conference «Iran and North Caucasus: History and Prospects for Cooperation»

September 13, 2017  
Vladikavkaz



Photos: [\*Courtesy of Press Service of North Caucasian State University\*](#)

Oleg Khatsaev, State Secretary and Deputy Minister of North Caucasus Affairs, held the first meeting of the interdepartmental working group on preparation of the Scientific Practical Conference «Iran and North Caucasus: History and Prospects for Cooperation», that is supposed to take place IV quarter of the year 2017 at the venue of the North Caucasian State University after Khetagurov.

The initiative to conduct a conference was put forward by the Russian Ministry of North Caucasus Affairs at the premises of the Permanent Russian-Iranian Commission on Commercial and Economic Development and is reflected in the Final Protocol of the 13th session of the Commission held December 10-14 2016 in Teheran.

He also mentioned that there are plans to schedule the Conference for two days and frame it in two major focus areas. The first section of activities will concentrate on «traditional cultural and historical ties and contemporary relations between Iran and North Caucasus». Within the framework of this section three topical blocks will be covered: «Historical and Political Aspects of Relations between Caucasus and Iran»; «Language Contacts between Caucasus and Iran» and «Academic Cooperation between Educational and Scientific Institutions of Iran and North Caucasus».

The second section will include round table proceedings on providing favorable conditions for commercial and investment cooperation between the Islamic Republic of Iran and the North Caucasian Federal District. This section will also serve as an informal venue for business representatives, whose communication in the contact exchange format will help establish a true commercial and economic partnership between Russian and Iranian business communities.

[\*Press Service of North Caucasian State University after Khetagurov  
\(copy-and-paste, abridged\)\*](#)



**International Scientific Research Conference «Contemporary Issues of Learning  
Caucasian Languages»**

September, 7, 2017  
Makhachkala



*Photos: [Courtesy of Press Service of DSU](#)*

September 7, Dagestan State University, Department of Language and Literature. The International Scientific Research Conference «Contemporary Issues of Learning Caucasian Languages» started. The conference is hosted by the Ministry of Education and Science of the Russian Federation, the Dagestan State University and the Scientific Research Laboratory «Non-Written Languages of the Peoples of Dagestan».

[Press Service of DSU](#)

**International Applied Research Conference «Geology and Geophysics of Caucasus:  
Contemporary Challenges and Research Techniques»**

August, 30, 2017  
City of Vladikavkaz



Administrative Office of the NCSC received the information about the forthcoming International Applied Research Conference “Geology and Geophysics of Caucasus: Contemporary Challenges and Research Techniques”. The Conference will be held on September 27-29, 2017.

The scientific agenda involves the following section activities:

1. Present geodynamics and deep structure of Caucasus.
2. Alpine igneous complexes of Caucasus: petrological, geochemical and metallogenetic properties and geodynamic reconstructions.
3. Seismological hazards and risks. Paleoseismodislocation.
4. Mathematical modeling of dangerous natural technology-related processes. Seismic hazards maps. GIS-technologies.
5. Arrangement of integrated monitoring of volcanic, seismic and glaciological hazards in North Caucasus.
6. Exogenous processes. Ecological problems of mountain territories.

E-mail address: [conferences@list.ru](mailto:conferences@list.ru) и [cgi\\_ras@mail.ru](mailto:cgi_ras@mail.ru)

**An annual multicultural summer school, «Friendship between our nations is rooted in our mutual history», functioned in the framework of the Festival «We are Russian Nationals»**

August, 22, 2017



«The annual multicultural summer school «Friendship between our nations is rooted in our mutual history» started its activities on August 22 in the H. M. Berbekov Kabardino-Balkarian State University. The school activities started in the framework of the Festival «We are Russian Nationals» and are sponsored by the Russkiy Mir Foundation and the Kabardino-Balkarian State University. This year student participants come from Kabardino-Balkarian State University, A. S. Pushkin Brest State University, Dzhavakhishvili Tbilisi State University. The event is also attended by the students from the specialized philology class of the comprehensive secondary school № 20 in Nalchik.

The project is aimed at assistance in developing inter-ethnic tolerance patterns, maintaining the Russian language as lingua franca bringing along peace and friendship. It was conceived and has been supervised by Professor Svetlana Bashieva, Doctor of Letters and Head of Department of Russian Language and General Linguistics at the Kabardino-Balkarian State University».

*[News. The H. M. Berbekov Kabardino-Balkarian State University \(copy-and-paste\)](#)*

## International Youth Summit «The Caspian»

August, 22, 2017



"The International Youth Summit «The Caspian» took place on the Caspian coast of the Republic of Dagestan. «The Caspian» is a public educational initiative aimed at improving competitive abilities among leaders of youth organizations from the Caspian bordering countries and regions of the Russian Federation. The project is also focused on creating new patterns of youth outreach activities".

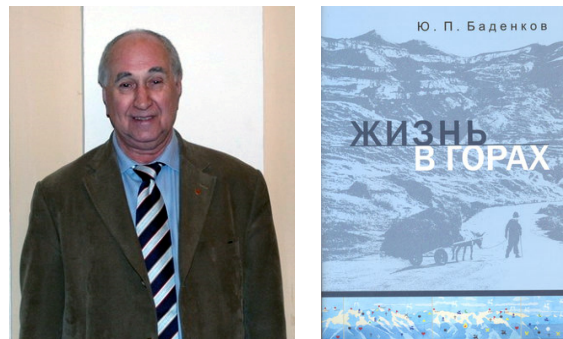
[\*News. Don State Technical University\*](#) (copy-and-paste)

### «Life in the Mountains. Environmental and Cultural Diversity – Diversity of Development Models», by Yu. P. Badenkov

August, 10, 2017

City of Moscow

In July 2017 the publishing house GEOS released «Life in the Mountains. Environmental and Cultural Diversity – Diversity of Development Models», a book by Yu. P. Badenkov. Moscow: GEOS, 2017. - 479 pgs. ISBN 978-5-89118-741-2.



[You can follow this link to the electronic publication of this book in the Russian Geographical Society.](#)

The book describes the diversity of life and development models in mountain areas in the context of their historical heritage, environmental and ethno-cultural diversity. Referring to the cases of European Alps, Karakorum, Himalaya, Andes, mountains of Central Asia, East Africa, North Appalachians, Caucasus and Altai, the author contemplates over the issues of political and economic inequality in mountain regions, the effects of their peripheral location and dependence on more advanced economies of urban and lowland centers. And yet, mountains are essential for providing communities with vital natural resources and humanitarian services such as water, minerals, forest resources, recreational opportunities and organic products. In recent decades, the world has vigorously been looking for adequate sustainable mountain development models, their integration into national and regional development strategies. The author also highlights the role and responsibility resting on scientists for their research effort in catalyzing the process, as well as the significance of comprehensive *transdisciplinary* studies and practical implementation of findings.

The book is intended for scholars, students, politicians, public organizations and experts on strategic planning for sustainable development of mountain territories.

### Contents

Foreword.

Prof. Kirill Chistyakov, Vice President, Russian Geographical Society.

Prof. Holnazar Mukhabatov, President, Tajik Geographical Society

Prologue

Acknowledgments

Introduction

Chapter 1. Central Asia. Tajikistan. Productive Forces Development in Tajikistan, 1933.

Model of One Integrated plant.

Chapter 2. Alpine Classics. Switzerland. Creation of the Mountain Development Policy.

Federal Law on Aid for Investment in Mountain Regions (LIM).

Chapter 3. Karakorum. Northern Pakistan. The Aga Khan Rural Support Program – AKRSP

Chapter 4. East Himalaya. Gross National Happiness Model for Mountain Kingdom Butan.

Chapter 5. East Africa. Ethiopia. «Park and People» Model.

Chapter 6. Andes. Ecuador. «Mama Kotacachi» Model.

Chapter 7. Catskill Mountains and the New York Water Supply System. Shared Responsibility Model.

Chapter 8. Eastern Caucasus. Dagestan. Highlands-Lowlands Interaction Model.

Chapter 9. Altai. Diversity of Life and Search for Development Models.

Chapter 10. The University of Central Asia. Mountain Development Through Education. «One University – Three Campuses».

Epilogue.

List of abbreviations

Index (to be drawn up after editing).

Appendix 1. Recommended literature

Appendix 2. Key mountain institutions and information networks.

\* \* \*

The author, Yuri Petrovich Badenkov, is founder of the International Mountain Center MAB-6, established upon «Man and Biosphere» Program of UNESCO at the Institute of Geography of the Academy of Sciences of the USSR. He directed the activities of Mountain Group MAB-6 / IG RAS, as it is currently called, in the years 1983-2013. He was a member of the international expert team «Mountain Agenda-21», who succeeded in placing mountain territories of the world on the list of global priorities of the XXI century (Agenda-21) at the UN Conference on Environment and Development, held in Rio-de-Janeiro in 1992.

For sixty years he has been conducting research in geology and sustainable development of mountain territories in Central Asia, Caucasus, Altai-Sayan ecoregion, North-East and Far East. He also participated in major international mountain programs and projects, accomplished under the auspices of UNESCO, IGU, UNDP, UNEP, FAO, IUCN, AKDN and WWF. For the UN University and FAO, he acts as an expert on sustainable development of mountain regions.

The publication was funded by the all-Russian public organization «Russian Geographic Society» and University of Central Asia and is recommended by Academic Council of Institute of Geography of Russian Academy of Science.

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**International Conference on Mathematical Physics «Kezenoyam 2017»**

August 10, 2017  
Lake Kezenoyam





"There has been an opening of the International Conference on Mathematical Physics «Kezenoyam 2017» in the Chechen State University. On day one three reports were presented. After Zaur Kindarov, First Vice-Rector of the University, gave his opening speech, proceedings begun..

Francesco Calogero, Nobel Peace Prize Laureate and Professor of Sapienza University of Rome, gave a talk on history and influence of the Pugwash movement of scientists.

Then spoke Viktor Buchstaber, Doctor of Physics and Mathematics, Chief Researcher at Steklov Institute of Mathematics, who referred on combinatorics of fullerenes. He emphasized that mathematical problems originate from three sources: some are left by predecessors; some relate to links in; and last but not least, those brought about by natural sciences.

The final report was made by Aleksandr Mikhailov, Doctor of Physics and Mathematics, editor-in-chief of the "Journal of Integrable Systems". He elaborated on space structures of ferromagnetic substances.

At the close of day one the participants set out for the mountain lake Kezenoyam, the venue for the follow-up programme. The agenda of the conference concerns a wide variety of issues. Prominent academic figures will present their reports on such as: vector integrable equations, geometry, zero of polynomial and solvable non-linear evolution equations, public key cryptography and others related to problems and fine points in mathematical physics".

*[News. Chechen State University](#) (copy-and-paste)*

### **Natural Population Growth in North Caucasian Federal District for the Year 2016.**

July, 20, 2017

Moscow- Essentuki

*Copy-and-paste from the [website of the Ministry of North Caucasus Affairs](#)*



According to Lev Kuznetsov, Minister of North Caucasus Affairs of the Russian Federation, at last year end, the natural population growth in the regions of the North Caucasian Federal District amounted to 80 000. He communicated this information in the Council of the Federation within the "government hour".

"The North Caucasian Federal District is still leading the field (demographic - ITAR). In absolute terms, nearly 80 000 inhabitants were added to the overall population of the North Caucasian Federal District and, the Russian Federation retrospectively. On the whole, in the NCFD the rate of natural increase averaged out to 8.7 per mile", - he said.

Kusnetsov also pointed out that general mortality rate and infant mortality rate in particular, had decreased as a result of effort taken. "On the whole, within the last year the

decrease hit the lowest of 10.3 (per mile – ITAR), having been 11. And now, for the past five months, we have recorded a decline up to 8.2", - he reported further.

The Minister stressed that this had been made possible 'due to the Programs of the Ministry of Health of the Russian Federation, our State Program and special activities on construction of perinatal centers, that is to say, health care institutions that help solve these important and sensitive social problems".

To the above, he told about recent developments concerning three-shift schooling. As put by him, last year the number of children attending classes in the third shift was 18.5 thousand, since then their number has fallen to 7, 000.

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*Ministry of North Caucasus Affairs /Press Service/Media Coverage*

### **«PERI Innovations» launches a 2017 NCFD Start-up School**

July 11, 2017

Nalchik

*Copy-and-paste from the [website of North Caucasian Academy of Public Administration](#)*

On July 6, 2017 a Start-Up School was launched as the beginning of a major educational start-up initiative for the North Caucasian Federal District. The Russian Venture Company acts as a title partner of the school. The RVC is a state fund of funds and an institution in charge of the venture capital industry in the Russian Federation. Aided by the RVC, the School is turning into a regional representative body, collecting applications for GenerationS and consulting entrepreneurs on training activities offered by this main federal accelerator for technology start-ups in the country.

Together with the RVC, «PERI Innovations» is planning a series of events in all major cities of the Caucasian region: Makhachkala, Grozny, Vladikavkaz, Nalchik, Stavropol and Pyatigorsk. The 2017 NCFD Start-Up School will conclude with a final presentation of best projects, juried by experts and investors during the Demo Day in Makhachkala.

Requested are teams carrying out projects in IT and SAAS, biomedicine, energetics, industrial technologies and creative entrepreneurship. A project may feature a thoroughly explored idea or a business in progress.

«For start-up competitors, it is not a mere chance to present their projects and be spotted by major funds, investors and business angels, but also a true opportunity to learn how to set up a business, using the example of successful cases»,— Gadzhimurad Aliev, Director of «PERI Innovations» Business Incubator, said.

The first event to be held within the framework of the School will be a workshop on «Doing Business Right» by Mikhail Ermann, Director of a business incubator at the Higher School of Economics.

On completion, each participant will have gained actual operational experience in creating innovation companies and, within a month, will have accomplished what many others have to go a long way for. Inventors of most challenging ideas will be able to obtain investment from the event sponsors, and their assistance in entering into new markets and cooperation.

As event sponsors appear Federal Agency for Youth Affairs, Ministry of Education and Youth Policy of Stavropol Region, Promotion Fund for Innovative Development of the Stavropol Region, Centre of Information Technologies of Republic North Ossetia-Alania, Science Park «High-Tech Solutions of the Chechen State University», Ministry of Youth Affairs of Republic of Dagestan.

Persons interested in the 2017 NCFD Start-Up School activities may already register at: [http://generation-startup.ru/register/?utm\\_source=32149&utm\\_campaign=partner\\_campaign](http://generation-startup.ru/register/?utm_source=32149&utm_campaign=partner_campaign)

*Main /About Academy / News and Announcements*

## **Closing of the Peri-Caspian Youth Forum «Main Trend – 2017: Ecology and Sustainable Development»**

July, 06, 2017

*Copy-and-paste from the*

*[website of the Russian Information Agency «Dagestan»](#)*

The work of the Peri-Caspian Youth Forum «Main Trend – 2017: Ecology and Sustainable Development» was concluded on July 6, 2017. According to RIA «Dagestan» and the Press Service of the regional Gasprom division, it was held at the venue of Gasprom Transgas Makhachkala Co., Ltd.

Among the guests arrived to take part in the Forum were young professionals from 25 subsidiary companies and enterprises of the Gasprom Group, Head of the Information Policy Department of the Public Joint-Stock Company «Gasprom», heads of republican ministries and institutions.

In the course of the event the participants witnessed the ceremony of awarding the laureates of the 2017 all-Russian Youth Prize in Ecology and Biodiversity, launched by the Autonomous Nonprofit Organization «Nature of Caucasus Centre» with the support of the Ministry of Natural Resources and Environment of the Russian Federation within the framework of the Year of Ecology in Russia.

Along with that, an agreement was reached on cooperation in starting and developing a geological UNESCO park on the territory of the Republic of Dagestan. The concerned document was signed by the Ministry of Natural Resources and Environment of the Republic of Dagestan, Gasprom Transgas Makhachkala Co., Ltd, the Autonomous Nonprofit Organization «Nature of Caucasus Centre» and the Dagestansky State Nature Reserve.

The highlight of the event was the scientific research conference «Main Trend – 2017: Ecology and Sustainable Development», in the course of which the expert board heard reports by 23 young specialists from Gasprom Group subsidiary companies and enterprises.

The speakers at the conference paid special attention to innovative technologies applied during repair operations at the main gas pipeline, in-line inspection methods, power resources management and other aspects of gas transportation company activities.

In the frame of the forum a seminar meeting was arranged of trade union leaders of subsidiary companies and enterprises of the Public Joint-Stock Company «Gasprom», dedicated to exchange of practical experience in protecting social and economic rights of employees.

## **The VII International Research and Practice Conference «Young scientists in solving current scientific problems»**

June, 26, 2017

City of Vladikavkaz

*copy and paste from the [website of NOSU after K.L.Khetagurov.](#)*







The VII International Research and Practice Conference «Young scientists in solving current scientific problems» took place in the conference hall of the NOSU and, as an annual scientific forum, was organized by the Young Scientists and Experts Council under the Head of the Republic, the Republic North Ossetia-Alania Committee for Matters Concerning Young Persons and the NOSU.

Among the participants there were representatives of the Government and the Parliament of the Republic North Ossetia-Alania, principals of research and educational establishments, young scientists, postgraduates and students from higher education institutions of North Ossetia and other Russian Territories as well as Ukraine and the Republic of Belarus. Alan Ogoev, Principal of the NPSU, addressed the audience with a welcoming speech.

The objective of the conference was to present fundamental and application-oriented research findings of young scientists, foster scientific and technological creativity of the young, strengthen and further develop trans-regional and international cooperation between young scientists and professionals, consolidate their efforts in solving high-priority scientific problems.

Professor Marina Martynova, Doctor of Historical Sciences and Director of the Institute of Anthropology and Ethnography of the Russian Academy of Science (Moscow) gave a report on «Ethnocultural Diversity of Russia and Modern World Globalization». This institution is, at present, the leading Russian research center for ethnology, socio-cultural and physical anthropology. Its members contribute expert commentaries to government policymaking procedures, help draft legislation and, subsequently, take part in committee debates of the State Duma of the Russian Federation.

### **«Modern Trends of Climate Change in North Ossetia and Global Warming»**

June, 14, 2017

City of Vladikavkaz

Copy and paste from the [website of the North Caucasian Institute of Mining and Metallurgy \(State Technological University\)](#)



According to scientists at the Republican environmental forum «Modern Trends of Climate Change in North Ossetia and Global Warming», held within the framework of the all-Russian Cross-Border Climatic Week, the contemporary change in our regional climate is caused by degradation of glaciers.

This conclusion was confirmed by natural disasters in Kabardino-Balkaria and North Ossetia. The XXI century started with a major mudflow bringing about a considerable damage to town of Tyrnauz. Later, another tragedy befell Karmadon. And more recently, the Devdorak glacier left its confining walls a few years ago.

The conferees also stressed that adaptation to such natural hazards may, unfortunately, be problematic. As Mikhail Dokukin, Senior Researcher from the Federal High-Mountain Geophysical Institute told it, this complex task implies an overall analysis covering the whole variety of disastrous phenomena worldwide.

«We are all no strangers to the concerns fueled by global warming and this is quite a reason for our forum to be concluded with decisions apt for implementation, so that no climatic problems are any longer inevitable in future», - emphasized Anatoly Polyakov, Vice Prime Minister in the Government of the Republic North Ossetia-Alania, addressing event attendees.

Upon the words of Ludmila Valieva, Chief of the North Ossetian Centre for Hydrometeorology and Environmental Monitoring, for the last 120 years the average annual temperature and the annual raindrop grew for 0,8 and 40 mm retrospectively.

Specialists made many assumptions as to the Kolka glacier sliding in the Genaldon Gorge on September 20, 2002. Among them, possible bombardment, gas dynamics. And yet, the key aspect, according to Fatima Hatsaeva, Head of Geography and Eco-geology Department of the NOSU is neglected: "the year 2002 was extremely abundant in rainfall".

"When temperature rises, first, land is watered and then, when glaciers withdraw far enough to lose their capability of swift melting and water is gone, land starts drying out.

Warming enables maximum water expenditures, sufficient land watering for vegetation for decades", - the forum member explained.

She also mentioned that if a monthly rainfall occurs within a week, it can be considered excessive. "This problem disquiets both urban and mountain territories, the latter facing frequent mud streams in spring-summer period. Growing temperatures cause withdrawal of glacier tongues, and fragmentary material left becomes integral to mud streams", - she told further and added that "flows endanger outbuildings located in lowlands".

Climatic changes should be kept in mind when planning development activities, scientists are believed to say worldwide. Relating to North Ossetia, primary focus is still on glaciers, situated in highland areas, as they shrink and lose in dimensions under the conditions of increased temperature. At this stage, it is important to stimulate productions, intent on reducing emissions.

In our republic there are two plants, «Elektrozink» and «Pobedit» Public Companies, which have an effect on the environment and, at the same time, consume huge amounts of power resources. In addition, the coating plant is another bad influence, contributing to the increase of the average atmospheric temperature. This is due to the specific technological process related to massive heating.

The total area of all the glaciers in the region is estimated at about 200 sq. km., and the forum attendees pointed out the Tsei and the Karaugom glaciers, as well as the Mali glacier. At the terminal stage of degradation glaciers are non-existent any more, as is the case with minor glaciers in North Ossetia.

### **Contribution to the Conference «Natural Heritage of Russia»**



May 30, 2017

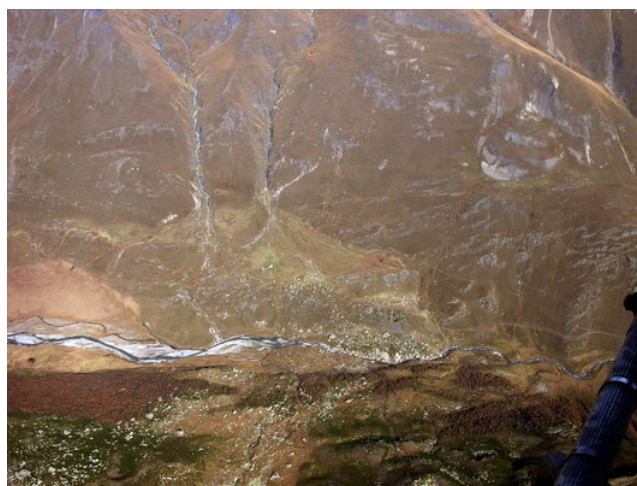
City of Nalchik

*copy and paste from the [website of the Institute of Ecology of Mountain Territories \(IEMT\) of the Russian Academy of Science \(RAS\)](#)*

"The Research Staff of the Institute present their papers at scientific conferences that are currently dedicated to the Year of Ecology and 100th Anniversary of Reserve Management and Studies in Russia. To name a few, Nelly Lukinichna Tsepkova, Cand. Sc. (Biology), Senior Research Scientist at Laboratory for Environmental Management at IEMT RAS, attended the International Scientific Conference «Natural Heritage of Russia» (May 23-25, 2017, City of Penza). Her report was primarily focused on economically induced anthropogenic transformation of plant communities in nature conservation areas of Kabardino-Balkaria.

[The website of IEMT RAS](#)

### **Adapted from the proceedings of the Science-and-Technology Council of the Federal State Budgetary Institution «Alania National Park» (North Ossetia)**



May 22, 2017

City of Vladikavkaz





*Chefandzar Mountain Bog Habitat.*

On May 19, 2017 the Science-and-Technology Council of FSBI «Alania National Park» held a meeting under the chairmanship of M. M. Gatsiev, Director of the Park. The works of the meeting were shared by Y. I. Karaev, Chairman of Administrative Office, North Caucasian Scientific Cooperation. Among questions discussed were: surveillance over Persian leopards coming across occasionally on the territory of the National Park; time schedule project and resource provision for works to be performed within the frame of the Research Program for the unique Chefandzar High Mountain Bog Habitat, situated on the territory of the Park.

**The Grozny State Oil Technology University (GSOTU) hosted the all-Russian Congress of Environmental Specialists**

May 16, 2017  
City of Grozny



*[Photos: Courtesy of GSOTU Press Service](#)*

*"On May 16 2017 the Grozny State Oil Technology University after Millionshchikov served as a venue for the all-Russian Congress of Environmental Specialists.*

*The Chechen Republic was represented by Professor Khasan Taimaskhanov, Chancellor of GSOTU; Sharpudzi Zaurbekov, First Vice-Chancellor of GSOTU; Ibragim Gairabekov, Vice-Chancellor of GSOTU for Research and Innovation; Dena Bataev, Director of the Integrated*



*Scientific Research Institute of the Russian Academy of Science; Mukhadi Umarov, Member of Academy of Science of the Chechen Republic; Karina Sadulaeva, Deputy Minister for Natural Resources and Environment of the Chechen Republic; Isa Usmanov, Deputy Minister of Agriculture of the Chechen Republic; representatives of other republican ministries and offices, prominent public and political persons.*

*Among Honorary Delegates one ought to mention Ivan Alborov, Head of Department of Ecology and Technosphere Safety, North Caucasian Institute of Mining and Metallurgy (State Technological University); Vitaly Bratkov, Head of Department of Geography, Moscow State University of Geodesy and Cartography; Elena Tikhomirova, Head of Department of Ecology, Saratov State Technical University after Y. A. Gagarin; and many other reputed environmental specialists".*

[GSOTU Press Service](#)

The congress attended by Yuri Karaev, Chairman of Administrative Office of North Caucasian Scientific Cooperation and Deputy Director of Centre for International Cooperation, External Relations and Sustainable Development of the North Caucasian Institute of Mining and Metallurgy (State Technological University). On behalf of the Centre he presented Professor Khasan Taimaskhanov, Chancellor of GSOTU, with an 18-volume edition of «Natural Resources of Republic North Ossetia-Alania», to become part of the library stock of the University.

**International Round Table «Natural risks and hazards: preventive measures in mountain exploration and development»  
Preventive measures ensure safety**

May 5, 2017

City of Vladikavkaz

Copy and paste from the [website of the North Caucasian Institute of Mining and Metallurgy \(State Technological University\)](#)



Draft security arrangements and take all safety precautions needed for eliminating any natural hazards and risks when developing mountain territories.

These topical subjects, essential in the region of North Caucasus, were considered during the proceedings of the International Round Table, held at Scientific Centre of the North Caucasian Institute of Mining and Metallurgy (State Technological University).

The event was dedicated to the 85th Anniversary of NCIMM (STU), as well as the Year of Ecology and the IX International Scientific Research Conference «Mountain Ecosystems: Priority Development Fields», planned for October this year.

The round table activities were mutually shared by representatives of numerous institutions and authorities of the Republic, North Caucasian Federal District, other Russian regions and foreign countries.

The function of a moderator was accomplished by Professor Aleksey Gunya, Instructor of MAB-6 mountain team of the Institute of Geography of the Russian Academy of Science, and Yuri Karaev, Deputy Director of the Centre for International Cooperation, External Relations and Sustainable Development of the North Caucasian Institute of Mining and Metallurgy (State Technological University).

Yuri Razorenov, acting rector of NCIMM (STU), greeted the round table participants and other guests and wished everybody success in their efforts. According to Mr. Razorenov, it is of significant importance to set proper priorities in order to create favorable conditions for living and further developing in scarce mountainous areas.

Yuri Razorenov expressed confidence that reports presented would contribute to the solution of current problems. Principal of the University informed the audience that the Administrative Department had prepared a submission package for setting up a UNESCO Centre of Second Category, stationed at NCIMM (STU) and functioning in the line of sustainable development of mountain territories. This project obtained approval from the Ministry of Foreign Affairs of RF, the UNESCO representative in Russia, the Ministry of Education and Science of RF. Any time soon it will be submitted for approval to the committee in France.

Yuri Razorenov invited everybody to close involvement in the undertaking. He also announced that on April 2017 the journal "Sustainable Development of Mountain Territories" had been recommended for inclusion into the Scopus citation base. «Today this title is the only one in the South of Russia, grunted such a status. Besides, it is featured in the catalogue of Higher Attestation Commission, and we are ready to release your scientific papers within the covers of our journal», - Head of University said, addressing the scientists.

Yuri Razorenov called on scientists to collaborate within the frameworks of joint projects and be more actively engaged in drafting and fulfilling common initiatives, suggested by Russian academic establishments and supported by the Russian Science Foundation, the Russian Foundation for Basic Research and the Federal Targeted Program.

In the words of Aleksey Gunya, today's meeting makes a good start for continuous exchange of views on this challenging issue, and as for report subjects concerning natural risks, they consolidate efforts of scientists dealing both with risk measurement, ensuing public reaction and the overall development in the Caucasus.

As the event planners stressed, this professional meeting had been conceived in an attempt to combinate researches uncommon enough for the region now as compared to previous times. Every single research of this kind is unparalleled in the competent conduct of researchers all too often lacking any funding. In light of this, scientists should join their efforts to be awarded grants; write papers, specifically for Scopus database as well. Overall, this may help constitute an independent scientific community in the Caucasus. There is a special meeting on the roadmap of the North Caucasian Scientific Cooperation.

The subject matter announced found its most insightful account in the report given by Igor Vaskov, Associate Professor of the Department of Applied Geology of the NCIMM (STU). He drew his colleagues' attention to the fact that no sustainable development of mountain territories is feasible without a prior preventive reduction of natural risks. This implies planning a package of measures to be taken by both authorities and technical experts in areas affected by potentially dangerous local objects.

The ground should be broken by detecting such objects, measuring their parameters and mapping damage areas; in other words, making a local forecast.

Normally, local forecasts are developed in reliance on databases of existing monitoring systems and occasional research; more specifically, multidirectional observations of environmental changes for the past hundred-plus years, and the ensuing comprehensive analysis.

At the moment, the total density of various-directional monitoring networks is rather high, but natural disasters have always been catching the mankind off balance, and still do.

The floods on the northern face of the Greater Caucasus in June 2012, as well as the catastrophic events of July 6-7 2012 near Krymsk, Krasnodar Region, are still fresh in our

memory. It is characteristic that in both cases regional centers of the Federal Service of Hydrometeorology and Environmental Monitoring forwarded warning messages to the executive authorities 4-6 hours prior to the events, which, unfortunately, could not cushion negative effects on the technical infrastructure caused by interaction of surface aqueous runoff and subsurface; not to mention human losses. The main reason appears to lie in the absence of any identified corresponding links between regional precipitation forecasts and reactions of the local geological terrain to the radical changes in physical and mechanical conditions of the soils.

It is obvious that both theory and practice of any accomplished scientific anticipation can only be constructed so long as one is able to ignore set patterns of forecasting within narrow industry-specific bounds and give up using the limited scope of predictors. If so, modern system-oriented analysis and acquisition of knowledge become a logical inevitability when developing integral methods and, ultimately, a universal prognosis methodology for local prediction of naturally-occurring catastrophic events.

Modern research outcome suggests a certain sequence of activities in working out local forecasts of natural hazardous processes.

A regional engineering geodynamic risk map could serve as an ultimate instrument at each stage of forecasting. Integrated layers of suchlike maps, drawn up in a geographic information system environment, will, on a real-time basis, reflect dynamics of observed physical fields (geological, seismic, electromagnetic, acoustic, geohydrodynamic, hydrological, temperature, barometric, etc.), as well as potentially catastrophic objects, their energy class, probable damage volume and zones affected.

At the natural risks forecast implementation stage, a regional engineering geodynamic risk map may also be employed by executive authorities at local level for elaborating and implementing preventive measures against extreme natural phenomena, human losses and disruption of infrastructure.

Professor Khasan Mazhiev, Senior Staff Scientist at the Academy of Sciences of the Chechen Republic, mentioned applicability of the round table topics for the whole of Southern Russia, exposed to earthquakes, mud rock flows, soil failures and rock falls, etc. Hence, the importance of preventive measures for safe economic activities. «The round table proceedings centered around sharing experience, implementing scientific achievements and collaboration», - the scientist from the Chechen Republic said.

The participants and guests wound up their activities by appreciating contribution reports and taking action-oriented decisions. After this the members of the North Caucasian Scientific Cooperation started off for the Alania National Park to take part in a following seminar.

*[Press Service of NCIMM \(STU\)](#)*

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