IGU Commission of "Landscape Analysis and Landscape Planning"

(C12.25)

REPORT - 2012-13

Main Members of Commission:

Chair:

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Vice Chair:

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Members:

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The new members of commission, approved in 2013

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B. Meetings

- ✓ International conference (Tbilisi, Georgia, 2012): Sustainable management of a bio variety on South Caucasus (WWF Caucasus). (there were 3 members of the commission)
- ✓ International conference (Tbilisi, Georgia, 2012): National Biodiversity Strategies and Action Plans updating in South Caucasus Countries (REC Caucasus, GIZ). (there were 2 members of the commission)
- ✓ International conference (skinnskatteberg, Sweden, 2013): "A week about sustainable landscapes in Bergslagen" (there were 5 members of the commission)
- ✓ International conference (Tbilisi, Georgia, 2013): Marsh ecosystems of the Colchis lowland protection and rational use (there were 4 members of the commission)
- ✓ The 3-rd International Geography Symposium, Kemer, TURKEY, 2013. (there were 4 members of the commission)
- ✓ Modern problems of geography" Dedicated to the 80th Anniversary of the Foundation of the Institute of Geography., Tbilisi, Georgia, 2013. (there were 5 members of the commission)
- ✓ "Geomorphology and Paleogeography of Polar Regions" Joint Conference, Symposium "Leopoldina" and INQUA Peribaltic working group Workshop. Russia, Saint-Petersburg, SPbSU, 9-17 September, 2012. (there were 4 members of the commission)
- ✓ ADVANCED RESEARCH WORKSHOP: "Environmental security of the European cross-border energy supply infrastructure" NATO SCIENCE FOR PEACE AND SECURITY PROGRAMME, Russia, Moscow, 30-31.10.2012.
- ✓ Ecosystems of Central Asia: research, conservation, management: XI International Ubsu-Nuur Symposium (03-08 July 2012, Kyzyl, Russia).
- ✓ Down To Earth. 32nd International Geographical Congress, Cologne, 2012. (there were 3 members of the commission)
- ✓ International Scientific Conference dedicated to the 100th anniversary of L.N. Gumilev "Scientific heritage of L.N. Gumilev: origins, evolution, problems of perception "(St. Petersburg, 2-3 October 2012). (there were 2 members of the commission)
- ✓ XV Glaciological Symposium "Modern variability of the Earth's Cryosphere" 4-7 June 2012, Arkhangelsk, Russia.



Photo 1. Kemer, TURKEY, 2013



Photo 2. **Sweden, 2013.** Assoc.Prof. Dr.Marine Elbakidze (on the left), Prof.Dr. Nodar Elizbarashvili (in the center), Prof.Dr. Per Angelstam (on the right)

Meetings, planned in 2014: The regional congress, Krakow, Poland - a **discussed subject**: forest landscapes and Society.

Main Publications of Members of Commission

- ✓ Elizbarashvili N. etc. (2012). Geography of Georgia (**Textbook**). Clio publishing house, Tbilisi, 264 p. (in Georgian)
- ✓ Elizbarashvili N. etc. (2012). Geography of The Word (**Textbook**). Clio publishing house, Tbilisi, 263 p. (in Georgian)
- ✓ Elizbarashvili N. etc. (2012). The Global Geography (**Textbook**). Clio publishing house, Tbilisi, 264 p. (in Georgian)
- ✓ Elizbarashvili N., etc. (2012). Landscape planning of new protected territories of Central Caucasus Mountains. **Monograph**, Tbilisi, Universal Publishing house, 131 p. (in Georgian)
- ✓ Elizbarashvili N. (2012). **Map** Functions of landscapes of Georgia. National atlas of Georgia. Scale 1:1500000, "Kartografiya "- Publishing house, Tbilisi, 131 p. (in Georgian)

- ✓ Elizbarashvili N. (2012). **Map** Population density of Georgia (on landscapes). National atlas of Georgia. The card, Scale 1:1500000, "Kartografiya" Publishing house, Tbilisi, 131 p. (in Georgian)
- ✓ Elizbarashvili N., etc. (2012). Military geography of Georgia. **Monograph,**, Tbilisi, Universal Publishing house, 294 p. (in Georgian)
- ✓ Elizbarashvili N., etc. (2013). Nature of Georgia. **Monograph**, Tbilisi, L Palette Publishing house, 296 p. (in Georgian)
- ✓ Elizbarashvili N. etc. (2012). Probabilistic estimates in geographical forecasts. News of the Russian Academy of Sciences. Series geographical. 2012, No. 5, p. 59-64. (in Russian)
- ✓ Elizbarashvili N. K. (2013). Functions of mountain landscapes of Georgia. In the collection international scientific conferences: Structural Dynamical features, current state and problems of optimization of landscapes. Voronezh, 2013, p. 77 82. (in Russian)
- ✓ Elizbarashvili N., etc. (2012). Function and Sustainability of Mountains Landscapes of Georgia. SEEmore Conference 2012: Mountain Resources and Their Response to Global Change, 5-8 July 2012, Ankara, Turkey.
- ✓ Elizbarashvili N., Meladze G.(2013). Main principles and results of landscape planning of new protected area in Central Caucasus (Georgia). 5th Symposyum for research in protected areas International Conference Volume.- Mitterspil, Austria, p/171-174.
- ✓ Elizbarashvili N., (2013). Geographical Barriers and "Georgian Landscape'. International scientific conference: "Space, Society, Politics". Tbilisi., p. 221-229.
- ✓ Elizbarashvili N., Kupatadze B. 100 Sights of Georgia (2012). **Monograph**. Tbilisi, "Klio", 120 pp.
- ✓ Chistyakov K., Ganushkin D. High mountain geo system response on climate change in Altai-Tuva region // Down To Earth. 32nd International Geographical Congress Book of Abstracts, Cologne, 2012. P.386.
- ✓ Chistyakov K. Dynamics of the nival-glacial systems of the mountain massifs of the Eastern Altai and Western Tuva // Down To Earth. 32nd International Geographical Congress Book of Abstracts, Cologne, 2012. P.389.
- ✓ Chistyakov K. The historical geography of the landscapes of South Siberia. //XV International Conference of Historical Geographers. 6-10.08.2012 Prague, Czechia. Charles University in Prague, Faculty of Science. Prague, Czechia, 2012. P. 147. (Abstracts)
- ✓ Markus Egli, Sofia Lessovaia, Kirill Chistyakov, Svyatoslav Inozemzev. Microclimate affects soil chemical and mineralogical properties of cold-alpine soils of the Altai Mountains (Russia) // Abstract of European Geoscience Union General Assembly 2013, Vienna, Austria 07-12 April 2013, Vol. 15, EGU2013-1577
- ✓ Mongun-Taiga / K.V massif. Chistyakov, D. A. Ganyushkin, I.G. Moskalenko, etc. Under the editorship of K.V. Chistyakov. SPb.: "Art Express", 2012. 310 pp, about silt.
- ✓ Glebova A. B., Chistyakov K. V. Ethnos and landscapes in the history of development of the South of Siberia in the early Iron Age. // Materials of the International scientific conference devoted to the 100 anniversary since the birth of L.N. Gumilyov "L.N. Gumilyov's scientific heritage: sources, evolution, perception problems" (St. Petersburg, on October 2-3, 2012). SPB. 2012. p. 121 126.
- ✓ Kotlyakov V. M., Chistyakov K.V. Drozdov A.V. Tishkov A.A. To 90-year anniversary of the classic of physical geography A.G. Isachenko. News of the Russian Academy of Sciences. Series geographical. 2012 . No. 4. p. 116-118.
- ✓ Glebova A.B. Chistyakov K.V. Spatial features of development of Altai. News of the Russian geographical society. 2013 . T. 145 . No. 2. p.37-49
- ✓ Angelstam A., Elbakidze M., etc. (2013). Knowledge Production and learning for Sustainable Landscapes: Forewords by the Researches and Stakeholders. AMBIO, volume XLII, number 2, p.111-115
- ✓ Angelstam A., Elbakidze M., etc. (2013). Learning about the history of landscape use for the future: Consequences for ecological and social systems in Swedish Bergslagen . AMBIO, doi:10.1007/sl3280-012-0369-z.
- ✓ Angelstam A., Elbakidze M., etc. (2013). Knowledge Production and learning for Sustainable Landscapes: Seven Steps Using Social-Ecological Systems as Laboratories. AMBIO, 42:116-128.

- ✓ Angelstam A., Elbakidze M., etc. (2013). Measurement, Collaborative Learning and Research for Sustainable Use of Ecosystem Services: Landscape concepts and Europe as Laboratory. AMBIO, volume XLII, number 2, p.129-145.
- ✓ Khachatryan S., Khoetsyan A., Principles of spatio-temporal evaluation and the cause-and-effect relations of desertification in Republic of Armenia (RA) 32-nd. International Geographical Congress Book of Abstracts, Cologne 2012, 319 p.
- ✓ Khoetsian A., Khachatryan S., The Modeling of Natural and Socio-economic Factors of Desertificikation and its Particularity for the Republic of Armenia, The 3-rd International Geography Symposium, June 10-13, Kemer TURKEY, 2013. 181 p.
- ✓ Khoetsian A., Khachatryan S. Principles of landscape planning in mountainous regions (on the regional level). International scientific conference on "Modern problems of geography" Dedicated to the 80th Anniversary of the Foundation of the Institute of Geography., Tbilisi, Georgia, 2013. pp.71-77
- ✓ Khoetsian A., Gevorgyan L Succession and trends of the development of natural ecosystems of the Republic of Armenia under the impact of climate change. "Biodiversity and wildlife conservation ecological issues". Yerevan, 2013 p. 320-323
- ✓ Singh, Rana P.B. 2012. Cultural Geography, India, 2008-12; Country Report, 2008-2012. For the 32nd International Geographical Congress, Cologne, Germany (August 26-30, 2012). Indian National Science Academy, New Delhi 110 002: pp. 81-96.
- ✓ Singh, Rana P.B. 2013 c. Rural Cultural Landscapes of India. *Chinese Landscape Architecture* (ISSN: 1000-6664; Beijing) 2013 November, vol. 29, No 215.11: pp. 18-24.

Collaboration of Members of Commission with the international organisations:

WWF, UNDP (GEF), STCU, GTZ, CAMP (Central Asian Mountain Partnership), ALCA, UNEP (TEEB), SNSF (Swiss National Science Foundation, The Mountain Research Initiative), NATIONAL GEOGRAPHY, IODE, NCCR-JACS (National Centre of Competence In Research North-South), IFLA (International Federation of Landscape Architects), etc.

Collaboration with IGU Commissions:

- ✓ Mountain Commission,
- ✓ Commission of Land Degradation and Desertification.

Mission of Commission in 2014 - 2015:

- 1. General methodology of landscape planning,
- 2. Methodology of studying of cultural landscape,
- 3. Trans boundary Landscape analysis and Planning in Caucasus (Georgia-Russia-Armenia-Azerbaijan), and in Scandinavia (Russia-Finland-Sweden).
- 4. Preparation and realization of the project: the Alps and Caucasus