

**IGU Commission of
“Landscape Analysis and Landscape Planning” (C12.25)**

REPORT - 2012-16

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1. Dr. Thomas Kogler - Switzerland
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4. Prof. Dr. Dali Nicolaishvili - Georgia
5. Prof. Dr. Melor Alpenidze - Georgia
6. Prof.Dr. Zurab Davitashvili - Georgia
7. Prof. Dr. David Kereselidze - Georgia
8. Prof.Dr. Lia Machavariani - Georgia
9. Assoc. Prof. Dr. Merab Putkaradze - Georgia
10. Prof.Dr. Iosif Salukvadze - Georgia
11. Prof.Dr. Giorgi Gogsadze - Georgia
12. The academician Tengiz (Gizo) Urushadze - Georgia
13. Dr.Nugzar Zazanashvili - Georgia
14. Assoc.Prof. Dr.Giorgi Meladze - Georgia
15. Prof. Dr. Farda Imanov - Azerbaijan
16. Dr. Saida Zeinalova - Azerbaijan
17. Prof. Dr. Valerian Snytko - Russia
18. Prof. Dr. Yury Badenkov - Russia
19. Prof. Dr. Vladimir Alekseenko - Russia
20. Prof. Dr. Vitaly Bratkov - Russia
21. Dr. Grigory Isachenko - Russia
22. Prof. Dr. Hovik Sayadanyan- Armenia

1. Participation in conferences

- THE 6TH INTERNATIONAL SYMPOSIUM OF GEOGRAPHY: LANDSCAPES: PERCEPTION, KNOWLEDGE, AWARENESS AND ACTION. 16-18 May 2014, Bucharest – Braşov, Romania.
- International conference (Baku, Azerbaijan): "Geographical problems of the region of the Caspian Sea and studying of ways of achievement of a sustainable development of territories".
- International Conference (Barnaul, Russia): "Transformation of Social and Economic Space of Europe and Asia in Post-Soviet Time".
- International Scientific and Practical Conference, Devoted to the 80th Anniversary from Foundation of the Department for Social and Economic Geography and Regional Studies: «*Region-2014: Optimal Development Strategy*». Kharkov (Ukraine).
- 3rd UNCCD Scientific Conference, 1st meeting of the Scientific Advisory Committee (SAC), March 2014, Montpellier, France (Agro polis International)
- 3rd UNCCD Scientific Conference, 2nd meeting of the Scientific Advisory Committee (SAC) October 2014, Montpellier, France, (Agro polis International)
International Seminar on "Banaras, the Heritage City of India: Culture, Tourism and Development": Dept. of Geography, Banaras Hindu University, Varanasi: 7~9 February; delivered welcome address, special lecture on "Heritage Planning of Banaras", chaired a session and served as Director/Convener of the Seminar.
- International Seminar on "Sir Alexander Cunningham and Art Heritage of India", History of Art Dept. F/o Arts, B.H.U., Varanasi: 20~22 February; delivered special lecture on "The Cultural Heritage scopes of Buddhist Places in India: Remembering Alexander Cunningham", and chaired a session on "Heritage Landscapes and Tourism".
- 3rd International Seminar on "SPIRITUALITY: The Essence of Ethical Leadership and Management": 22~24 Nov. at School of Management Studies Varanasi; as keynote speaker delivered slide-show PPT lecture on "Eco spirituality in Indian Tradition: Messages for Global Order & Eco-spiritual Management".
- International Seminar: "Celebrating Multiple Identities in India": 29~30 Nov., under the aegis of UNESCO Chair for Peace and Intercultural Understanding, & Peace Research Institute, Oslo (PRIO); at MPRC, Faculty of Social Sciences, Banaras Hindu University, Varanasi; chair a session and gave special slide-show PPT lecture on "Muslim Shrines and Multi-Religious Visitations in Hindus' city of Banaras, India: Co-existential Scenario".
- International conference (baku – 2014): Geographical Problems of Caspian Region and Sustainable Development.
- International Conference (Barnaul, Russia): "Transformation of Social and Economic Space of Europe and Asia in Post-Soviet Time". 2014).
 - International Scientific and Practical Conference, Devoted to the 80th Anniversary from Foundation of the Department for Social and Economic Geography and Regional Studies: «*Region-2014: Optimal Development Strategy*». Kharkov (Ukraine). 6-7 November, 2014.
- International Conference (Tbilisi, 2015): Modern Problems of Geography and anthropology.
- International workshop (Tbilisi, 2015): "Sustainable Mountain Development Curriculum Review",
- International workshop (Tbilisi, 2016): "Sustainable Tourism Development in the Caucasus".



Photo 1. Conference - Baku (Azerbaijan), 2014

2. Contacts with other commissions of IGU

- ✓ Land Degradation and Desertification Commission
- ✓ Mountain Commission
- ✓ Commission of Cultural Approach in Geography
- ✓ Commission of Karst

3. Cooperation with other international organizations

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), Agro polis International, Montpellier, France; Centre for Development and Environment (CDE), Bern, Switzerland etc.

4. The main publications for 2012-2016

71 articles and 7 monograph

5. Participation in field expeditions

Expedition in the west (Region Adjara), East (Region Kakheti) and North-West (Region Mtiuleti) part of Georgia - science interest: Landscape governance

Field expeditions in the North-Eastern forest regions of the Republic of Armenia in the framework of studies on sustainable management of land use and forest ecosystems.

Field expeditions in the process of supervising Ph.D. students and Masters Students research papers.

Done field studies of surveying and experiencing cultural landscapes in northern part of India, southern part of China, and north-western part of Japan.

6. New ideas about further work of the commission

- Landscape governance and Landscape service
- Further regional studies on landscape analysis and planning within the commission

- Sustainable development of Mountain Landscapes and Landscape planning
- Developing the holistic idea of Landscapes – Natural, Cultural and Mixed-up, and further to get it comprehended in regional traditions; also active collaboration with the institutions and organizations, and also individuals that deal with the facets of Landscapes – theoretical or planning.

Commission of Landscape analysis and Landscape planning commission (C12.25) of the international geographical union (IGU) in 2015, With Geographical society of Georgia and Iv.Javakhishvili Tbilisi State University, founded the scientific journal "**Geography of Mountain Regions**" (www.caucasus-org.ge).

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 2. Kemer, TURKEY, 2013



Photo 3. **Sweden, 2014.** Assoc.Prof. Dr.Marine Elbakidze (on the left), Prof.Dr. Nodar Elizbarashvili (in the center), Prof.Dr. Per Angelstam (on the right)

Main Publications of Members of Commission

- ✓ Elizbarashvili N (2015). Planning of Historical Landscapes of Mtskheta (Monograph). – Universal publish house. Tbilisi, 119 p.
- ✓ Elizbarashvili N (2015). Topical Issues of Landscape Geography. In: Geography of Mountain Regions. Vol. 1, 2015, pp.1-15. (www.caucasus-jour.ge),
- ✓ Elizbarashvili N., Seperteladze Z., Elizbarashvili R. (2015). Basic characteristics of stability of Mountain Landscapes of Georgia. Proceedings of the FG-SHU International Symposium on Geography: Landscapes: Perception, Knowledge, Awareness and Action. In: Geopolitics, History, and International Relations, Addleton Academics Publishers, New York, U.S.A. Volume 4, pp. 65-73
- Elizbarashvili N. (2015). Geo ecological functions of Georgia s Landscapes and actual problems of Landscape ecology. In proceedings of international conference: “Applied ecology: Problems, Innovations”. American Journal of Environmental Protection, Vol. 4, No. 2, 2015, pp. 75-82, Tbilisi - Batumi, pp.297-301.
- ✓ Nodar Elizbarashvili, Giorgi Meladze, Maia Meladze, David Svanadze, Lizi Gadrani, Josef Lazarashvili, (2015).Some Urgent Issues of Georgia’s Geography, Earth Sciences. Special Issue: Modern Problems of Geography and Anthropology. Vol. 4, No. 5-1, 2015, pp. 1-7.

- ✓ 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 Symposium 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/s13280-012-0369-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 Desertification 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.

Mission of Commission in 2016 - 2020:

1. Methodology of Landscape planning of urban territory,
2. General methodology of landscape planning,
3. Methodology of studying of cultural landscape,
4. Trans boundary Landscape analysis and Planning in Caucasus (Georgia-Turkey-Russia-Armenia-Azerbaijan).
5. Preparation and realization of the project: the Alps and Caucasus
6. Organization in 2017 international conference – “Mountain regions: Landscapes, Society, Geopolitics”.
7. Study course: Sustainable development of Mountain Regions