

Ivane Javakhishvili Tbilisi State University
Alexandre Javakhishvili Geographical Society of Georgia
International Geographical Union (IGU)
Commission of Landscape Analysis and Landscape Planning

LANDSCAPE DIMENSIONS OF SUSTAINABLE DEVELOPMENT: SCIENCE – PLANNING – GOVERNANCE

International Scientific Conference

*Dedicated to commemorate the 70th Anniversary
of Professor Nikoloz (Niko) Beruchashvili*

4-6 OCTOBER 2017
TBILISI, GEORGIA



საქართველოს გარემოსა
და ბუნებრივი რესურსების
დაცვის სამინისტრო



INVITATION

Dear Sir/Madam -----

On behalf of the Ivane Javakishvili Tbilisi State University, we have the pleasure to invite you to participate at the International Conference “Landscape Dimensions of Sustainable Development: Science – Planning – Governance”. The conference will take place in Tbilisi, Georgia from 4-6 October 2017 to commemorate the 70th anniversary of Professor Nikoloz Beruchashvili (1947-2006), internationally renowned geographer and cartographer, author of the theory of spatiotemporal analysis and synthesis of landscapes, former head of the International Geographical Union (IGU), Commission of Landscape Analysis and Landscape Planning.

PROGRAM OF THE CONFERENCE

OCTOBER 4

09.00-09.30 Registration of Participants

Plenary Session

Opening and Greetings

(Tbilisi State University, Assembly Hall, Building #1, Second floor)

10.00 Prof. G. Sharvashidze – Rector of the Iv. Javakishvili Tbilisi State University, Chair of the ICLDS-2017 (Georgia)

10.05 Associate Prof. R. Khomeriki – Dean of Faculty of Exact and Natural Sciences Iv. Javakishvili Tbilisi State University. (Georgia) khomeriki@hotmail.com

10.10 Prof. D. Kereselidze – Head of Department of Geography Faculty of Exact and Natural Sciences, Iv. Javakishvili Tbilisi State (Georgia) dkereselidze@gmail.com

10.15 Prof. N. Elizbarashvili – International Geographical Union (IGU), Head of the Commission Landscape analysis and Landscape planning (Georgia) nelizbarashvili@yahoo.com

10.20 Prof. J. Radvanyi - State Institute for Eastern Languages and Civilizations (INALCO), Director of the Research Center Europe Eurasia (Paris, FRANCE) jean.radvanyi@inalco.fr; radvanyi.jean@wanadoo.fr

10.25 Dr. A. Kushlin – Deputy Director of Forestry Policy and Resources at the Food and Agriculture Organization of the United Nations (FAO) (Rome, Italy) Andrey.Kushlin@fao.org

10.30 Prof. N. Kasimov - Academician of the Russian Academy of Sciences, President of the Geographical Faculty of Moscow State University. M.V. Lomonosov (Russia) secretary@geogr.msu.ru

10.35 Prof. H. Romero - Department of Geography, University of Chile (Chile) hromero@uchilefau.cl

10.40 Prof. A. Gegechkori - Head of Chair Department of Biodiversity Direction, Faculty of Exact and Natural Sciences. Iv. Javakishvili Tbilisi State University (Georgia) arngegechkori@yahoo.com

10.45 Prof. K. Chistyakov - Vice-President of the Geographical Society of Russia, Director of the Institute of Earth Sciences of St. Petersburg State University (St. Petersburg, Russia) kirill.chistyakov@gmail.com

10.50 Prof. A. Khoetsyan - Head of Chair of Geography and its Teaching Methods, ASPU Yerevan State University (Armenia) tigranmap@yahoo.com

10.55 Prof. M. Grodzynski - Taras Shevchenko National University of Kyiv, (Ukraine) mgrodz@ukr.net

11.00 Prof. H. Schmauder Federal Office for Nature Protection (Bonn, Germany) heinrich.schmauder@bfn.de

11.05 Dr. H. Meessen - Senior Research Scientist. Sustainability Governance Cluster University of Bern, Centre for Development and Environment (CDE), (Switzerland) Heino.meessen@cde.unibe.ch

11.10 Prof. E. Eremchenko – Director of the “Neogeography” Group. Head of the GIS Group of the Institute of High Energy Physics (Technopark Protvino, Moscow Region, Russia) eugene.ermchenko@gmail.com

11.15 Prof. I. A. Kerimov - Vice-president, Academician of the Academy of Sciences of the Chechen Republic (Chechen Republic, Russian) ibragim_kerimov@mail.ru

11.20 Prof. K. Sepp – Estonian University of Life Sciences, Institute of Agriculture and Environmental Sciences (Estonia) kalev.sepp@emu.ee

11.25 Prof. M. Alpenidze – Sokhumi State University, Department of Geography, (Georgia) Melor07@mail.ru

11.30 Associate Prof. T. Gordeziani – Iv. Javakhishvili Tbilisi State University (Georgia) tengizgordeziani@gmail.com

11.35 Prof. N. Stoichev - Department of Landscape Science and Environmental Protection, Faculty of Geology and Geography, Sofia University (Bulgaria) nikola_todorov01@abv.bg

11.40 Prof. V. Bratkov - Moscow State University of Geodesy and Cartography (Russia) vbratkov@mail.ru

11.45 Dr. G. Isachenko - St. Petersburg State University (Russia) greg.isachenko@gmail.com

11.50 Prof. Y. Semenov - V. B. Sochava Institute of Geography SB RAS, (Irkutsk, Russia) yumsemenov@mail.ru

11.55 Dr. V. Oleshchenko – Department of Agrarian, Land, Environmental and Space Law, Institute of State and Law. V.M. Koretsky National Academy of Sciences of Ukraine (Ukraine) olvch1953@gmail.com

Coffee Break 12.00 – 13.00

13.00 Exhibition: Prof. N. Beruchashvili Life in Photography

(Tbilisi State University, Building #1, Exhibition hall, Third floor)

Sectional Meetings

(Sections operate simultaneously 14.00 – 18.00)

Section 1. Landscape as a Spatio-Temporal System: Theory and Regional Studies (*Tbilisi State University, Auditorium 115, Building #1, First floor*)

Chairman: Dr. G. Isachenko (*report time-limit 15 min.*)

14.00 G. Isachenko (*Russia*) – N.BERUCHASHVILI'S IDEAS AND THE CONCEPT OF LANDSCAPE DYNAMICS. greg.isachenko@gmail.com

14.15 T. Gordeziani (*Georgia*) - TO SOURCES OF EXISTENTIAL GEOGRAPHY - NIKO BERUCHASHVILI. tengizgordeziani@gmail.com

14.30 N. Stoychev, R. Penin, D. Zhelev (*Bulgaria*) - N. BERUCHASHVILI IDEAS AND THEIR IMPACT ON DEVELOPMENT OF LANDSCAPE SCIENCE IN BULGARIA. nikola_todorov01@abv.bg rpenin@abv.bg dimitar.zhelev@gmail.com

14.45 R. Maglakelidze (*Georgia*) - CONTRIBUTION OF PROF. N. BERUCHASHVILI IN FORMATION OF STRUCTURAL-DYNAMIC LANDSCAPE STUDY AND PARTICIPATION OF GEORGIAN SCIENTISTS IN DEVELOPMENT OF NEW IDEAS IN GEOGRAPHICAL SCIENCE. robertmaglakelidze@yahoo.com

15.00 V. Bratkov (*Russia*) - SPATIAL-TEMPORAL ANALYSIS OF THE NATURAL TERRITORIAL COMPLEXES OF THE NORTHERN CAUCASUS: SOME FINAL RESULTS. vbratkov@mail.ru

15.15 A. Khoroshev (*Russia*) - POLYMASH-SCALE MODELING OF LANDSCAPE STRUCTURE AS A TOOL OF SPATIAL PLANNING. avkh1970@yandex.ru

15.30 L. Lubenets, D. Chernykh (*Russia*) - MODERN LANDSCAPES OF THE RIV. MAIMA BASIN (LOWLANDS OF THE RUSSIAN ALTAI) lilia_lubenets@mail.ru chernykhd@mail.ru

15.45 V. Snytko, O. Romanova (*Russia*) – IMPORTANCE OF SCIENTIFIC IDEAS OF NIKOLAI ADOLFOVICH SOLNTSEV FOR THE DEVELOPMENT OF COMPLEX PHYSICAL GEOGRAPHY. vsnytko@yandex.ru olgroma09@gmail.com

16.00 R. Biryukov, D. Chernykh (*Russia*) - LARGE-SCALE MAPPING AND ANALYSIS OF SPATIAL-TIME ORGANIZATION OF LANDSCAPES OF RIV. KASMALA BASIN (ALTAI TERRITORY) rubiryukov@mail.ru chernykhd@mail.ru

16.15 R. Maisuradze, M. Elizbarashvili, T. Khardziani, N. Jamaspashvili (*Georgia*) - LARGE-SCALE LANDSCAPE RESEARCH, MAPPING AND THE STUDY OF THE CRITICAL AREAS romani.maisuradze@tsu.ge mariam.elizbarashvili@tsu.ge neli.jamaspashvili@tsu.ge tamar.khardziani@tsu.ge

16.30 E. Klimina, A. Ostroukhov (*Russia*) – CONSERVATION OF LANDSCAPE DIVERSITY IN ECO-GEOGRAPHICAL RESEARCHES OF RUSSIAN PRIAMURY kliminaem@bk.ru

16.45 N. Surkov, T. Kharitonova (*Russia*) – DETERMINATION OF SEASONAL DYNAMICS OF HUMIDITY OF SOIL-VEGETATIVE COVER USING LANDSTAT-8 DATA, BASED ON KARADAG RESERVE EXAMPLE. nick_surkov@list.ru kharito2010@gmail.com
STUDYING OF SOIL AND VEGETATION WATER CONTENT DYNAMICS USING LANDSAT-8 DATA IN THE KARADAG RESERVE

17.00 A. Viktorov (*Russia*) - MAIN RESULTS OF DEVELOPMENT AND PROBLEMS MATHEMATICAL MORPHOLOGY OF LANDSCAPE vic_as@mail.ru

17.15 J. Fidelus-Orzechowska, J. Wrońska-Walach, J. Cebulski (Poland) – IMPACT OF SKI RUN CONSTRUCTION IN SMALL CATCHMENTS TRANSFORMATIONS jfidelus@up.krakow.pl, d.wronska@gmail.com , cebulski@zg.pan.krakow.pl

17.30 D. Pershin, D. Chernykh (Russia) - THE USE OF MAXIMUM SNOW WATER EQUIVALENT AS THE CHARACTERISTICS OF THE WINTER STATES OF LANDSCAPES (BY THE EXAMPLE OF THE KASMALA RIVER BASIN, ALTAI KRAI, RUSSIA) dmitrypersh@gmail.com
chernykh@mail.ru

17.45 N. Lazareva (Russia) - LANDSCAPE APPROACH IN THE STRATEGY OF SPATIAL DEVELOPMENT OF THE SOUTH-EASTERN BALTIC lazareva.rgu@mail.ru

18.00 R. Skorupskas, J. Volungevicius, D. Veteikis (Lithuania) - PLANNING EXPERIENCE ECO-COMPENSATION SYSTEMS ON THE EXAMPLE OF THE TERRITORY OF LITHUANIA.
ricardas.skorupskas@gf.vu.lt jonas.volungevicius@gf.vu.lt darius.veteikis@gf.vu.lt

Section 2. Landscape and Society: Edges of Interaction

(Tbilisi State University, Auditorium #101, Building #1, First floor)

Chairman: Prof. J. Radvanyi (report time-limit 15 min.)

14.00 H. Romero (Chile) - TOPOCLIMATOLOGY AND CULTURAL LANDSCAPES UNDER CLIMATE CHANGE IN THE ANDES OF ATACAMA DESERT, NORTH OF CHILE
hromero@uchilefau.cl

14.15 T. Isachenko, G. Isachenko (Russia) – APPROACHES TO THE RANGING OF CULTURAL LANDSCAPES tatiana.isachenko@gmail.com

14.30 E. Eremchenko (Russia) – SCIENTIFIC PRECONDITION OF THE DIGITAL EARTH CONCEPTS AND DIRECTIONS FOR FURTHER STUDIES. eugene.eremchenko@gmail.com

14.45 A. Gegechkori (Georgia) - THE ‘BOREALIZATION’ EVENT OF THE CAUCASUS BIOTA AND ITS MAIN STAGES IN THE LATE CENOZOIC arngegechkori@yahoo.com

15.00 K. Sepp, H Järv, A. Kaasik, K. Kivimaa, H. Palang, D. Pungar, J. Raet, H. Sooväli-Seppin (Estonia) - IMPLEMENTATION OF THE GREEN NETWORK CONCEPT IN ESTONIA: AT COUNTY AND MUNICIPAL LEVELS kalev.sepp@emu.ee

15.15 B. Turgut, Merve ATEŞ, H. Akinci (Turkey) - DETERMINING THE SOIL QUALITY INDEX IN THE BATUMI DELTA bturgut@artvin.edu.tr

15.30 T. Krasovskaya (Russia) - IMPLEMENTATION OF THE CONTEMPORARY CONCEPT OF CULTURAL LANDSCAPE FOR SUSTAINABLE DEVELOPMENT OF NORTHERN TERRITORIES.
krasovskt@yandex.ru

15.45 J. Volungevicius, K. Amaleviciute, A. Slepeliene, R. Skorupskas (Lithuania) - SOIL PROFILE MORPHOLOGY AS THE MAIN INDICATOR OF LANDSCAPE AGROGENIC TRANSFORMATION IN AGROECOSYSTEMS OF LITHUANIA
jonas.volungevicius@gf.vu.lt kamaleviciute@gmail.com alvyra@lzi.lt ricardas.skorupskas@gf.vu.lt

16.00 A. Evseev, T. Krasovskaya, A. Zolotarev (Russia) - MAPPING OF LAND USE CONFLICTS IN THE RUSSIAN-NORWEGIAN BORDERLANDS. avevseev@yandex.ru krasovskt@yandex.ru

16.15 V. Oleschenko (Ukraine) – PRESERVATION OF NATURAL DIVERSITY: CONTEMPORARY POLICY OF CO-CREATION OF GEOGRAPHY AND LAW. olvch1953@gmail.com

16.30 M. Özalp (Turkey) - DETERMINING HEAVY METAL CONTENTS OF SEDIMENTS DEPOSITED IN BORCKA DAM RESERVOIR ALONG THE CORUH RIVER WATERSHED IN ARTVIN, TURKEY mozalp@artvin.edu.tr

16.45 N. Gigauri, A. Surmava, L. Intskirveli (Georgia) - CREATION OF NUMERICAL MODELS OF POLLUTING AGENT PROPAGATION IN THE ECOSYSTEMS BY THE EXAMPLE OF GEORGIA natiagigauri18@yahoo.com

17.00 M. Gongadze (Georgia) - ANTHROPOGENIC IMPACT ON THE RELIEF OF GEORGIA AND ITS INTENSITY ASSESSMENT merabgongadze@ymail.com

17.15 G. Meladze (Georgia) - THE ASPECTS OF SECOND DEMOGRAPHIC TRANSITION IN GEORGIA AND GLOBAL FERTILITY TRENDS meladzeg@gmail.com

17.30 J. Cebulski (Poland) - HUMAN IMPACT ON THE CHANGE OF DIRECTION OF RIVER CHANNEL MIGRATION CAUSED BY FORMATION OF A LANDSLIDE DAM cebulski@zg.pan.krakow.pl

17.45 E. Gubeladze (Georgia) - BIO-ECOLOGICAL PECULIARITIES, SOME WOODY PLANTS ON THE CENTRAL STREETS OF KUTAISI eka-gubeladze@mail.ru

18.00 M. Kıvanç, ALTAŞER Derya, ÖZKAYA Merve (Turkey) - COMPARISON OF DÜZCE ASARSTREAM AND ESKIŞEHİR PORSUK STREAM IN TERMS OF SCENIC QUALITY mehmetkivancak@duzce.edu.tr

Section 3. Landscape as an Object of Planning and Perception

(Tbilisi State University, Assembly Hall, Building #1, Second floor)

Chairman: Prof. M. Grodzinski (report time-limit 15 min.)

14.00 K. Chistyakov, S. Gavrilkina, E. Zelepukina (Russia) - MODERN CHANGES OF MOUNTAIN LANDSCAPES OF INLAND ASIA AS THE RESULT OF THE ACTION OF NATURAL AND ANTHROPOGENIC FACTORS kirill.chistyakov@gmail.com svetilnic@mail.ru elezelepu@gmail.com

14.15 M. Grodzinski (Ukraine) - WHERE THE BROADLEAVED FOREST LANDSCAPE ZONE IN EASTERN EUROPE IS, REALLY? mgrodz@ukr.net

14.30 Y. Semenov (Russia), G. Schmauder, A. Hoppenstedt (Germany) - LANDSCAPE PLANNING IN SIBERIA. heinrich.schmauder@bfn.de hoppenstedt@hhp-raumentwicklung.de yumsemenov@mail.ru;

14.45 V. Kuusemets, K. Kask, A. Liivamägi (Estonia) - INFLUENCE OF LANDSCAPE FEATURES TO THE DIVERSITY OF POLLINATORS valdo.kuusemets@emu.ee

15.00 A. Hoppenstedt, G. Shmauder (Germany) - RESULTS OF LANDSCAPE PLANNING IN THE SOUTHERN CAUCASUS REGION (2007-2009) AND NEW CHALLENGES (Hannover, Germany) heinrich.schmauder@bfn.de hoppenstedt@hhp-raumentwicklung.de

15.15 S. Gavrilkina, E. Zelepukina (Russia) - MAIN DIRECTIONS AND REASONS FOR CHANGING THE LANDSCAPES OF WESTERN SAYAN svetilnic@mail.ru

15.30 I. Kerimov, O. Romanova, V. Shirokova (Russia) - V.V. DOKUCHAEV'S RESEARCH IN THE CAUCASUS. kerimov@ifz.ru olgroma09@gmail.com

15.45 Z. Gagaeva, M.Saykhanov (Russia) - KINETIC MODELING OF COMPLEX SYSTEMS zsh_gagaeva@mail.ru

16.00 U. Gayrabekov, A. Daukaev (Russia) - NATURAL LANDSCAPES OF THE CHECHEN REPUBLIC Gairabekov_u@mail.ru daykaev@mail.ru

16.15 S. Lisovsky (Ukraine), G. Schmauder (Germany) - INTEGRATION OF ENVIRONMENTAL REQUIREMENTS FOR THE TERRITORIAL PLANNING OF UKRAINE. heinrich.schmauder@bfn.de

16.30 J. Svajda, H. Meessen, T. Kohler (Switzerland) – PARTICIPATORY MANAGEMENT OF PROTECTED AREAS IN SLOVAKIA: RECONCILING NATURE CONSERVATION AND LOCAL DEVELOPMENT Heino.meessen@cde.unibe.ch

16.45 D. Chernykh (Russia) - INDICATION CAPACITY OF LANDSCAPE STRUCTURE OF THE RUSSIAN ALTAI FOR PAST AND CURRENT CLIMATE CHANGES chernykh@mail.ru

17.00 Esin ERDOĞAN YÜKSEL, Mehmet ÖZALP, Saim YILDIRIMER (Turkey) - A WATERSHED SCALE PREDICTION OF SOIL LOSS, RUNOFF AND SEDIMENT YIELD USING GEOWEPP MODEL: A CASE STUDY FOR BARBAL CREEK WATERSHED IN ARTVIN, TURKEY eyuksel@artvin.edu.tr

17.15 A. Khoetsyan, T. Babayan, S. Khachatryan (Armenia) - SPECIFIC FEATURES OF LANDSCAPE PLANNING IN MOUNTAINOUS AREAS tigranmap@yahoo.com susannazhulverny@gmail.com

17.30 O. Grodzinskaya (Ukraine) - FEATURES OF HUMAN PERCEPTION OF THE LANDSCAPE AND THE REGION ogrodz@ukr.net

17.45 N. Surkov, T. Kharitonova (Russia) - STUDYING OF SOIL AND VEGETATION WATER CONTENT DYNAMICS USING LANDSAT-8 DATA IN THE KARADAG RESERVE nick_surkov@list.ru kharito2010@gmail.com

18.00 A. Oleschenko (Ukraine) - LANDSCAPE DATA AS A BASIS FOR SPATIAL PLANNING anastasiya@meta.ua

19.00-21.00 – Gala Dinner

OCTOBER 5

Section 1. Landscape as a Spatio-Temporal System: Theory and Regional Studies (Tbilisi State University, Auditorium 115, Building #1, First floor)

Chairman: Prof. D. Nikolaishvili (report time-limit 15 min.)

09.00 V. Koshevoy (Russia) - LANDSCAPE METHOD OF STUDYING WETLANDS v_koshevoi@mail.ru

09.15 A. Baibar, K. Dyakonov, T. Kharitonova (Russia) - MONITORING OF PRODUCTIVITY OF FOREST ECOSYSTEMS BY METHODS OF REMOTE SENSING, DENDROCHRONOLOGY AND

TURBULENT PULSATIONS baybaranastasia@yandex.ru, diakonov.geofak@mail.ru,
kharito2010@gmail.com

09.30 E. Suslova, A. Rusanov (Russia) - PROTECTION OF PHYTOGRAPHY IN LANDSCAPES OF THE MOSCOW REGION lena_susl@mail.ru av_rusanov@verhovye.ru

09.45 N. Leonova, I. Goryanova (Russia) – PHYTODIVERCITY OF FOREST COMMUNITIES IN THE LANDSCAPES OF THE MIDDLE TAIGA OF EUROPEAN RUSSIA nbleonova2@gmail.com

10.00 E. Nagornaya (Russia) - EVOLUTION OF THE TAIGA LANDSCAPE IN THE HOLOCENE (ON THE EXAMPLE OF THE MIDDLE TAIGA LANDSCAPES OF THE ARKHANGELSK REGION) piggoletto@gmail.com nagornaya@geogr.msu.ru

10.15 E. Salukvadze, N. Ivanishvili, M. Gogebashvili (Georgia) - RADIOBIOLOGICAL ASPECTS OF SUSTAINABILITY OF PHYTOCENOSSES CHARACTERISTIC TO THE MOUNTAINOUS REGIONS OF GEORGIA elene.salukvadze@gmail.com

10.30 N. Bolashvili, K. Tsikarishvili, D. Nikolaishvili, Z. Lezhava (Georgia) - KARST RELIEF OF MIGARIA MASSIF nana.bolashvili@tsu.ge

10.45 N. S. Kalioujnaia, I. Yu. Kalioujnaia, E. N. Sokhina, Harald J.L. Leummens (Russia) - EXPERIENCES WITH THE INTEGRATED EVALUATION OF THE ECOLOGICAL STATE OF WATER OBJECTS VALUABLE FOR FISHERIES IN VOLGOGRAD OBLAST (BASED ON THE EXAMPLE OF THE ILOVLA RIVER) kalioujnaia@yandex.ru harald.leummens@gmail.com
nskrcb@yandex.ru

11.00 T. Basilashvili (Georgia) - PARAMETERS OF PEAK DISCHARGES ON MOUNTAIN RIVERS OF GEORGIA, THEIR CHANGES TENDENCIES AND THE SCOPE DEVELOPMENT. jarjinio@mail.ru

11.15 E.V. Glukhova (Russia) - STUDY OF THE ADAPTIVE OPPORTUNITIES OF PHYTOMELIORANTS TO VARIOUS CONDITIONS OF URBAN ENVIRONMENTAL DEVELOPMENT evglukhova@gmail.com

11.30 M. Sharashenidze (Georgia) - ESTIMATE CARTOGRAPHY OF VITICULTURE (ON THE CASE OF KAKHETI REGION) manana.sharashenidze@yahoo.com

11.45 N. Jamaspashvili, N. Beruchashvili, L. Beruchashvili (Georgia) - NIKO BERUCHASHVILI LEGACY IN CARTOGRAPHY AND GIS SCIENCE neli.jamaspashvili@tsu.ge
nberuchashvili@gmail.com beruchashvili@gmail.com

Section 2. Landscape and Society: Edges of Interaction

(Tbilisi State University, Auditorium #101, Building #1, First floor)

Chairman: Prof. V. Nizovtsev (report time-limit 15 min.) nizov2118@mail.ru

09.00 M. Alpenidze, Z. Seperteladze, E. Davitaia, G. Gaprindashvili, L. Mzarelua, K. Korsantia, N. Rukhadze, T. Aleksidze (Georgia) - KOLKHETI BLACK SEA COAST SUSTAINABLE DEVELOPMENT AND GEO-ECOLOGICAL PROBLEMS Melor07@mail.ru

09.15 L. Kartvelishvili (Georgia) - IDENTIFICATION OF BUILDING CLIMATIC GUIDELINES OF GEORGIA BASED ON THE REGIONAL CLIMATE CHANGE lianakartvelishvili@yahoo.com

09.30 N. Amburtseva (Russia) – POSTAGRICULTURAL LANDSCAPES: CURRENT STATE AND DYNAMICS Guzel_nataly@mail.ru

09.45 M. Yasoveev (Belorussia), **D. Talikadze** (Belorussia) - PROSPECTS OF DEVELOPMENT OF SMALL ENERGY IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT OF TERRITORIES
jasoveev.marat2016@yandex.ru

10.00 V. Nizovtsev, N. Erman (Russia) - LANDSCAPE ANALYSIS OF FORMATION OF PRODUCTION IN RUSSIA
nizov2118@mail.ru

10.15 O. Klimanova, Y. Grinfeldt, D. Tretyachenko, N. Alekseeva, M. Arshinova, E. Kolbovsky (Russia) - LAND COVER CHANGES AT THE CONTINENTAL AND ZONAL LEVELS IN 2001-2012: CLASSIFICATION AND MAPPING.
oxkl@yandex.ru

10.30 J. Stadelbauer (Germany) - THE HERITAGE OF FORMER AGRICULTURAL LANDSCAPES – HISTORICAL SOURCE, ECOLOGICAL VALUE AND POTENTIAL FOR TOURISM DEVELOPMENT
joerg.stadelbauer@geographie.uni-freiburg.de

10.45 M. Meladze (Georgia) - CHANGES IN AGROCLIMATIC INDICES AND INTENSIFIED DROUGHTS ON THE TERRITORY OF EAST GEORGIA IN TERMS OF GLOBAL WARMING
meladzem@gmail.com meladze.agromet@gmail.com

11.00 G. Mukhin (Russia) - SOWING AREAS CLIMATE CHANGES AND ITS DYNAMICS IN AGRO LANDSCAPES OF THE EUROPEAN TERRITORY OF RUSSIA
gd_mukhin@rambler.ru

11.15 L. Matchavariani (Georgia) - GENESIS AND SPATIAL-TEMPORAL DISTRIBUTION OF BOTTOM SEDIMENTS
lia.matchavariani@tsu.ge

11.30 H. Melik-Adamyanyan (Armenia) - ECOTOURIST POTENTIAL OF NORTH-WEST ARMENIA
adamayn@mail.ru

11.45 B. Turgut, Merve ATEŞ (Turkey) - DETERMINING THE VARIATION OF SOIL PROPERTIES IN THE BATUMI DELTA
bturgut@artvin.edu.tr

Section 3. Landscape as an Object of Planning and Perception

(Tbilisi State University, Auditorium 362, Geography Department, Building #2, Third floor)

Chairman: Prof. A. Khoetsyan (report time-limit 15 min.)

09.00 A. Khoetsyan, T. Babayan, S. Khachatryan (Armenia)- MANAGEMENT OF THE NATURAL PROCESSES IN THE LANDSCAPE AND LANDSCAPE APPROACH TO TERRITORIAL ORGANIZATION
tigranmap@yahoo.com susannazhulverny@gmail.com

09.15 P. Spirin, A. Opalinsky (Russia) - EXPERIENCE IN THE IMPLEMENTATION OF RUSSIAN-GERMAN PROJECTS IN THE APPLICATION OF ECO-ORIENTED APPROACHES IN TERRITORIAL AND MARITIME SPATIAL PLANNING
sveta030508@mail.ru

09.30 M. Elbakidze, P. Angelstam (Sweden) - GREEN INFRASTRUCTURES FOR HUMAN WELL BEING IN EUROPEAN FOREST LANDSCAPES
marine.elbakidze@slu.se

09.45 V. Sysuev (Russia) BASIC CONCEPTS OF THE PHYSICO-MATHEMATICAL THEORY OF GEOSYSTEMS
v.v.syss@mail.ru

10.00 M. Petrushina (Russia) - CASPIAN REGION PHYSICO-GEOGRAPHICAL REGIONALIZATION
mnpetrushina@mail.ru

10.15 Atayev Z. (Russia) - FOOTHILL LANDSCAPES AS THE SPATIAL-TEMPORAL ECOTONES (ON THE EXAMPLE OF THE NORTH-EASTERN CAUCASUS)
zagir05@mail.ru

10.30 A. Khoetsyan, T. Babayan, S. Khachatryan (Armenia) - GEOGRAPHICAL PRINCIPLES OF NATURAL ENVIRONMENT IMPROVING, AS A METHODOLOGICAL BASIS FOR LANDSCAPE PLANNING susannazhulverny@gmail.com tigranmap@yahoo.com

10.45 O. Trapeznikova (Russia) - NATURAL FACTORS OF THE ORGANIZATION AND EVOLUTION OF FOREST ZONE AGRO LANDSCAPES OF EASTERN EUROPEAN PLAIN ontolga@gmail.com

11.00 V. Makarov, N. Pichugina (Russia) - LANDSCAPE PLANNING AS A BASIS FOR NATURE MANAGEMENT OPTIMIZATION IN THE SEMIARID REGIONS OF EUROPEAN RUSSIA (BASED ON SARATOV REGION CASE) makarovvz@rambler.ru; pichuginan@mail.ru

11.15 M. Tatishvili, M. Meladze, I. Mkurnalidze, L. Chinchaladze (Georgia) - EARTH OBSERVING SYSTEM SATELLITE DATA APPLICATIONS IN GEORGIA m.tatishvili@gtu.ge

11.30 M. Pipia, N. Beglarashvili (Georgia) - DYNAMICS OF HAILSTORM AGAINST THE BACKGROUND OF CLIMATE CHANGE IN THE KAKHETI REGION m.pipia@gtu.ge

11.45 G. Nizharadze (Russia) – LANDSCAPES STUDY WITH THE HELP OF SCHOOL GIS "LIVING GEOGRAPHY" ga.nizharadze@mpgu.edu

12.00 Z. Laoshvili (Georgia) – GEORGIAN WATER AND POWER COMPANY GIS CORPORATE SYSTEM laoshvilizura@gmail.com

Coffee Break 12.00 – 12.45

12.45 – 13.45 Round Table and Discussion of the Conference Results

(Tbilisi State University, Auditorium #101, Building #1, First floor)

14.00 – 20:00 Excursion #1.

Starts from Iv. Javakhishvili Tbilisi State University, (address I.Chavchavadze Ave. #1)

Tbilisi - Martkopi (Akriani parcel) - ridge Yalno (Niko Beruchashvili named mountain peak) – Tbilisi. (On site lunch).

OCTOBER 6

10.00 – 19.00 Excursion #2.

Starts from Iv. Javakhishvili Tbilisi State University, (address I.Chavchavadze Ave. #1)

Tbilisi – TsviGombori ridge – Telavani - Kvareli - Signaghi – Tbilisi (On site lunch).

OCTOBER 7

Departure of Delegates

Address of the Conference: Georgia, Tbilisi, I.Chavchavadze Ave. #1, Ivane Javakhishvili Tbilisi State University, Building #1.
