1. Membership

Members of the Steering Committee, 2013-2014

Chair Ivan Bicik, Czech Republic  
Vice–chair Jan Feranec, Slovakia  
Dan Balteanu, Romania  
Gambhir Singh Chauhan, India  
Matej Gabrovec, Slovenia  
Ernan Rustiadi, Indonesia  
Helmut Geist, Germany  
Chandra P. Giri, USA  
U. A. Chandrasena, Sri Lanka  
Keichi Kimoto, Japan  
Luca S. Rizzo, Italy

Chair  
Ivan Bicik, bicik@prfdec.natur.cuni.cz  
Vice-chair Jan Feranec, feranec@savba.sk  
Dan Balteanu, igar@geoinst.ro  
Gambhir Singh Chauhan, chauhanugc@gmail.com  
Matej Gabrovec, matej@zrc-sazu.si  
Ernan Rustiadi, ernan@indo.net.id  
Helmut Geist, h.geist@abdn.ac.uk  
Chandra P. Giri, cgiri@usgs.gov  
U. A. Chandrasena, uac_c@yahoo.com  
Keichi Kimoto, kx.7.koichi@gmail.com  
Luca S. Rizzo, lucasimone.rizzo@unipd.it

Prof. Ivan Bicik  
Department of Social Geography and Regional Development  
Faculty of Science, Charles University  
Albertov 6, 128 43 Prague 2, Czech Republic  
Fax: +42-2-24919778  
bicik@prfdec.natur.cuni.cz

Prof. Ján Feranec  
Institute of Geography  
Slovak Academy of Sciences  
Stefanikova 49, 814 73 Bratislava  
Slovakia  
Tel: +421-2-57510219  
Fax: +421-2-5249 1340  
feranec@savba.sk

Prof. Dan Balteanu  
Institute of Geography  
D. Racovita 12, 023993  
Sector 2, Bucharest  
Romania  
Tel: +4 021 313 59 90  
Fax: +4 021 311 12 42  
igar@geoinst.ro
Dr. Gambhir Singh Chauhan
University Grants Commission
Central Regional Office
Tawa Complex, Bittan Market
E-5 Arera Colony, Bhopal-462016
India
Tel: (+91)0755- 2467418, (+91)0755- 2467892
Fax: (+91)0755- 2467893
chauhanugc@gmail.com

Prof. Matej Gabrovec
Anton Melik Geographical Institute
Department of Geographic Information Systems
P. B. 306, SI-1001 Ljubljana
Slovenia
Tel: +386 1 470 63 60
matej@zrc-sazu.si

Prof. Ernan Rustiadi
Center for Regional Systems Analysis, Planning and Development (CrestPent)
Bogor Agricultural University
Damarga Campus 16001 Bogor
Indonesia
Tel: +62 251 374 055
Fax: +62 251 374 055
ernan@indo.net.id

Prof. Helmut Geist
School of Geosciences
University of Aberdeen
Elphinstone Road, Aberdeen, AB24 3UF
Scotland, UK
Tel: +44 (0) 1224 272 342
h.geist@abdn.ac.uk

Prof. Chandra P. Giri
U.S. Geological Survey Earth Resources Observation and Science Center
Sioux Falls, SD 57198
USA
Tel: (605) 594-6903
Fax: (605) 594-6529
cgiri@usgs.gov

Prof. U. A. Chandrasena
Department of Geography, Faculty of Social Sciences
University of Kelaniya
Sri Lanka
uac_c@yahoo.com

Prof. Keichi Kimoto
Department of Liberal Arts
Hiroshima Jogakuin University
Japan
kx.7.koichi@gmail.com

Dr. Luca S. Rizzo
Department DISSGeA - section: Geography
University of Padua
Members: 260 (54 countries/regions), as of 1st December 2014

Australia 3  Austria 4  Bangladesh 2  Belgium 1
Brazil 1  Brunei 1  Canada 7  Chile 1
China 25  Colombia 1  Czech Republic 14  Denmark 1
Ecuador 1  France 3  Finland 3  Germany 6
Ghana 2  Hong Kong 2  India 23  Indonesia 3
Iran 2  Ireland 2  Italy 4  Jamaica 1
Japan 43  Korea 6  Laos 1  Mexico 2
Malaysia 2  Mongolia 3  Nepal 1  Netherlands 2
New Zealand 3  Nigeria 3  Pakistan 2  Palestine 1
Philippines 1  Poland 2  Portugal 12  Romania 3
Russia 7  Singapore 1  Slovenia 2  Slovak Republic 2
South Africa 5  Spain 3  Sri Lanka 3  Sweden 2
Switzerland 2  Taiwan 2  Ukraine 2  U.K. 10
U.S.A. 17  Bulgaria 1  Croatia 1

Unfortunately, these numbers are sort of incorrect and show rather all members in commission’s history, because it is based on the table created a lot of years ago and new members were regularly added. But some members of commission are not active anymore; some of them have changed e-mail addresses and all contacts, so it’s not possible to contact them. Our suggestion is to rebuild this members list by new registration of interested members during next IGC and after congress via web form. This problem was already mentioned on the last commission report 2012-2013 and one of the commission’s plans for 2015 should be revision of this members list. Contemporary commission’s mailing list has 157 active e-mail addresses; so number 157 is more correct.

2. MEETINGS

2013:

In the latter part of 2013 there was no commission’s meeting. Both main meetings in 2013 were in June 2013 (IGU LUCC regional meeting in Prague, Czechia) and in August 2013 (Regional Conference in Kyoto, Japan). They are both mentioned in detail in commission report 2012-2013.

2014:

There were two main IGU LUCC commission meetings in 2014 – in Bucharest, Romania (June 23-26) and in Kraków, Poland (August 18-22).
THE INTERNATIONAL GEOGRAPHICAL UNION,
LAND USE-COVER CHANGE COMMISSION REGIONAL MEETING
LAND USE-LAND COVER CHANGES AND LAND DEGRADATION (LUCC&LD) SYMPOSIUM

JUNE 23-26, 2014, BUCHAREST, ROMANIA

The 2014 IGU LUCC Regional Meeting “LAND USE-LAND COVER CHANGES AND LAND DEGRADATION (LUCC&LD)” was held in Bucharest, Romania on June 23-26. The event was organized by the Romanian Academy’s Institute of Geography, the Romanian Space Agency – ROSA, and the University of Agronomic Science and Veterinary Medicine Bucharest. The Symposium focused on land use and land degradation related to soil erosion, landslides, desertification and climate change. The topics also included land-use transformations connected with economic, social and political changes.

The Symposium gathered nearly 40 researchers from the European countries (the Czech Republic, Bulgaria, Romania, Austria, Italy, and Russia) and Australia and the following institutions: Al. I. Cuza University of Iaşi, Department of Geography, Romania; Charles University, Faculty of Science, Czech Republic; Danube Delta National Institute for Research & Development, Romania; Esri Romania, Bucharest; Help Service Remote Sensing, Czech Republic; National Agricultural Research and Development Institute, Romania; the Romanian’s Academy Institute of Geography, Romania; International Institute for Applied Systems Analysis (IIASA), Austria; Moscow State University, Faculty of Geography, Russia; National Institute of Geophysics, Geodesy and Geography, Bulgaria; Remote Sensing Application Center - ReSAC and Agency for Sustainable Development and Eurointegration – ASDE, Bulgaria; Romanian Space Agency – ROSA, Romania; Transilvania University of Braşov; University of Agronomic Science and Veterinary Medicine Bucharest, Romania; University of Bucharest, Faculty of Geography, Romania; University of New England, Australia.

The symposium was organized into a plenary session and three paper sessions. The two plenary session papers were presented by Prof. Ivan Bičík (Chair of IGU Commission on Land Use and Cover Changes) and by Prof. Dan Bălteanu (member of the steering committee of IGU Commission on Land Use and Cover Changes).

The participants discussed problems of land use-land cover changes in Czechia, as well as along the Romanian Danube Valley, in the Oltenia Plain, in the Buzău County, in the Subcarpathian Watershed of the Argeșel River, in Regional Australia, and in the steppe region of Russia; agrolandscape methodology of LUCC study; assessment of the agricultural spatial-temporal patterns in the Romanian Flood Plain; land degradation in a salt mining area, the Curvature of the Central Moldavian Plateau, the Curvature of the Subcarpathian region; the dynamics of built-up areas in Bucharest Metropolitan Area.
After the Conference, a field trip was organized on June 23-26. The field trip represented a transect through the Romanian Plain, the Hilly Region of the Subcarpathians and the Carpathian Mountains. In the post-communist period these regions have registered transformations such as land use-land fragmentation, land abandonment, land degradation and deforestation. The field trip followed Land-use changes in the Bucharest Metropolitan Area, Agricultural land use in the Bărăgan Plain, Land use and soil erosion in the outer Subcarpathian area, Land use and cover changes in the Curvature Carpathians and Subcarpathians, Land use in the mountain area and mudflows, impacts on infrastructure, Land use and land degradation in the Buzău mountain area, Land use and deforestation/afforestation in the Brașov Depression.

**Field trip, June, 23-26**

Photo. 3. *Moara Domnească* Didactic Farm, University of Agronomic Science and Veterinary Medicine Bucharest

Photo. 4. Land degradation in the Bend Subcarpathians

Dan Balteanu
IGU REGIONAL CONFERENCE IN KRAKÓW, POLAND, 2014

IGU Regional Conference was held in Kraków in August 18-22, 2014. Preparing of programme had started of course long time before the start of conference – each IGU commission should decide about its content. The key was decision which participants should be speakers in each land-use/cover changes commission’s sessions, what will be recommended in poster section and which papers are not suitable to commission’s activities. In the very first round it was necessary to take decision on about 50 papers; our commission also had to decide (according to wishes of organizers) on several papers, which were “lost” or incorrectly submitted in other IGU commissions.

Land use/land cover topics under the heading of LUCC commission were finally presented in five thematic sessions:
1. Land Use Changes in Metropolitan Areas
2. Historical/Dynamic Changes of Land Use
3. Landscape (re)Construction
4. Land Use of Towns and Villages
5. Natural Changes by Human Activity I, II, III

According to their abstracts finally ca 55 papers were divided into these sessions. Another 23 applications we recommended to present as posters. Unfortunately we also had to refuse 7 applications. Because of high number of planned papers some sessions were divided into several separate parts. Therefore commission meetings organized in the new and beautiful Campus of Jagiellonian University (in Central Europe the second oldest after Charles University) were realized in 7 separate sessions.

Moreover land-use theme was presented in another thematic sessions focused on local and regional development, natural hazards, sustainable development of rural regions etc. We can summarize that land-use matters analyzed by different methods and technics is one of the very supporting tendency of contemporary geographical research.

The quality of papers was comparatively very good. There were presented papers from about 20 countries, focused mainly on small regions; topics focused on large territories were presented rarely. Main part of papers deals with description and land-use development rather than searching of driving forces. About one third of papers took advantage of opportunities to link with other research from physical and social geography or from history to make a synthesis about researched regions with impact in theoretical and application level.

The host university provided not only good weather, field trips, but also great culinary experience for all participants in beautiful Jagiellonian University and magical city of Kraków.

Apart from thematic sessions IGU LUCC steering committee had organized a business meeting to review its activity and to discuss its plans for 2015 and 2016. Discussion of 10 participants (thereof 5 contemporary or former committee members) realized into several recommendations:

1. As an IGU LUCC commission vice-chair was named prof. Jan Feranec (Institute of Geography of Slovak Academy of Sciences, Bratislava, Slovakia) with the aim of deeper
connection of LUCC commission with IGU commissions focused on Earth observation and regional development.

2. Another commission’s meeting will be during Regional Geographic Conference in Moscow 2015. Also it is discussed possibility to organize the second seminar during autumn 2015 (Sofia – Bulgaria?)

3. There was also discussion about possible common project focused on LUCC and supported by international funds ICSU.

4. Atlas LUCC Volume IX was prepared in Prague again and its distribution stared in September 2014, partly in Kraków.


8. Actualization and filling of website IGU/LUCC http://www.luccprague.cz/igu.landuse@gmail.com - address for corresponding.

9. Creation of networks with other group of scientists engaged on LUCC state and changes (ESEH, PECSRL, IALE etc.).

10. Organizing and support of macro-regional and national meetings oriented on LUCC activity.

Ivan Bičík

2015 – forthcoming meetings:

INTERNATIONAL GEOGRAPHICAL UNION REGIONAL CONFERENCE
MOSCOW, AUGUST 17–21, 2015

The IGU LUCC Commission C12.26 submitted the proposal of a session during the Regional Conference of IGU, Moscow, Russia, 17-21.08.2015 under title “Problems and consequences of land use/land cover changes”.

The Organizers of IGU/LUCC sessions are: prof. Ivan Bičík, Charles University in Prague, Head of the IGU/LUCC Commission, and Dr.Elena V. Milanova, Moscow State University, Faculty of Geography.

The Welcome topics of presentations are:

- Evaluation of the LUCC data, accuracy assessment
- GIS as a tool for the LUCC evaluation
- Participation on the next Atlas of LUCC development from different parts of the world
- Progress in remote sensing technics and methodology
- Driving forces in the LUCC changes in different periods of societal development
- Care for agricultural and arable land for the future
- Agricultural abandonment and increase of unproductive land – problem of developed countries
- Unproductive lands – their structure and development
- New wilderness – why, where, when

Elena Milanova
3. Networking

CALL:

Chair of the IGU LUCC Commission Prof. Ivan Bicik applies to all geographers provide information about activities in the framework of land use/cover change (LU/CC) identification, analysis and assessment by responding to these items:

- **Title of the now solved project:** ... /national – international
- **Role of geographers in concerned project (2-3 sentences):**
- **Results and their presentation (2-3 sentences):**

Your answers will be used for summarization of LU/LC change activities of geographers in the context of IGU LU/CC and for the proposal of new activities of the IGU LUCC Commission. The **deadline** for your answers is **31st January 2015**. Please send them to Ivan Bicik (bicik@natur.cuni.cz) and Jan Feranec (feranec@savba.sk).

Thank you for your cooperation.

**Collaboration with other IGU Commissions and Task Forces**

Not realized.

**Collaboration with other international and inter- and multi-disciplinary groups**

Not realized.

**Cooperative efforts with ISSC and with ICSU programs**

- **Atlas presentation and assessment of land use/cover changes and prediction across the world**

In the latter part of 2014 we prepared a project under supervision of prof. Feranec with support request of ISSC for publishing another two volumes of atlases „Land Use/Cover Changes in Selected Regions in the World“ in 2015 and 2016. We kindly ask all researchers who want to publish results of their land-use / cover changes research to cooperation on these atlases. Please contact prof. Ivan Bicik (bicik@natur.cuni.cz) and prof. Jan Feranec (feranec@savba.sk).
4. Publications

Newsletters, books etc.

- Newsletter No. 16 (2014)

In the latter part of 2013 and in the year 2014 there were published two next volumes of atlas „Land Use / Cover Changes in Selected Regions in the world“. Both there published under direct supervision of IGU LUCC commission.

- HIMIYAMA, Y., BICÍK, I. (eds.)(2013): Land Use / Cover Changes in Selected Regions in the world: Volume VIII. IGU/LUCC, Faculty of Science, Charles University in Prague and Hokkaido University of Education, Asahikawa

- BICÍK, I., HIMIYAMA, Y., FERANEC, J., KUPKOVÁ, L. (eds.)(2014): Land Use / Cover Changes in Selected Regions in the world: Volume IX. IGU/LUCC, Faculty of Science, Charles University in Prague and Hokkaido University of Education, Asahikawa

For the first time we bring you also summary of all chapters in all volumes of „Land Use / Cover Changes in Selected Regions in the world“:

**Land Use/Cover Changes in Selected Regions in the World**

**Volume I.**

November 2001

Editors:

Yukio Himiyama
Hokkaido University of Education, Asahikawa, Japan

Ivan Bicík
Charles University in Prague, Czech Republic

Elena V. Milanova
Moscow State University, Russia

Alexander Mather
University of Aberdeen, U.K.

**CONTENTS**

Preface: 1
Yukio Himiyama

I. Land Use/Cover Changes in Japan since the Mid 19th Century 3-14
Yukio Himiyama, Schoichiro Arizono, Yoshihisa Fujita, Takashi Todokoro

II. Land Use Changes in the Capital Region in Korea 15-22
Manig Hwang

III. Changes of Agricultural Land Use in Taiwan since the Mid 20th Century 23-28
Bor-Wen Tsai

IV. Land Use/Land Cover Changes in Czechia over the Past 150 Years – An Overview 29-40
Ivan Bičík, Pavel Chromý, Vít Jančák, Leoš Jeleček, Vít Štěpánek, Jana Winklerová, Lucie Kupková
Commission on Land Use and Land Cover Change – commission report 2013-2014

V. Land Use Changes in the 20th Century in Slovenia 41-52
Matej Gabrovček, Drago Kladnik, Franci Petek

VI. Landscape Change Detection, Analysis and Assessment in the Phare Countries - the Czech Republic, Hungary, Romania and Slovak Republic 53-60
Ján Feranec, Marcel Šüri, Ján Otahel’, Tomáš Cebecauer, Ján Pravda, Jan Kolář, Tomáš Soukup, Dagmar Zdeňková, Jiří Waszmuth, Vasile Vajdea, Anca-Marina Vîjdea, Constantin Nitica

VII. Land Use/Land Cover Changes in Russia since the End of the 19th Century 61-72
Elena Milanova, Boris Alekseev, A.I. Danshin, Nikolay Dronin, Natalia Kalutskova, P.L. Kirillov, Tatiana Kotova, Tatiana Kovaleva, Michael Lioubimtsev, Elena Lioubimtseva, Maria Sennikova, D.V. Sokolova, Vladimir Solntsev, Pavel Tcherkashin, Leniana Yanvareva, Michael Zimin

VIII. Land Use/Cover since the Mid Nineteenth Century in the Republic of Ireland 73-87
Desmond A. Gillmore

Volume II.
December 2002

Editors:
Yukio Himiyama Hokkaido University of Education, Japan
Alexander Mather University of Aberdeen, U.K.
Ivan Bičík Charles University, Czech Republic
Elena V. Milanova Moscow State University, Russia

CONTENTS

Preface: 1

I. Changes of Natural (Reconstructed) Landscape of Slovakia 3-12
Jan Otahel, Jan Feranec, Tomáš Cebecauer, Jan Pravda, Karol Husar, Marcel Suri

II. Long-term and Transformational Land Use Changes in Czechia 13-26
Ivan Bičík, Lucie Kupková

III. Land Cover Change in Jabotabek Region, Indonesia 27-32
Ernan Rustiadi, Alinda M. Zain, Bambang H. Trisasongko, Ita Carolita

IV. Land-use Patterns and Change Rates in Mexico 33-44

V. Land Use and Land Cover Changes in Beijing 1903-1999 45-62
Lu Qi, Wu Peilin
Volume III.
April 2005

Editors:
Yukio Himiyama  
Hokkaido University of Education, Japan
Alexander Mather  
University of Aberdeen, U.K.
Ivan Bičík  
Charles University, Czech Republic
Elena V. Milanova  
Moscow State University, Russia

CONTENTS

Preface:  
Yukio Himiyama  
1

I. Land Cover Change Mapping by Applying the CORINE Land Cover Database  
(Regional Example)  
Jan Otahel, Jan Feranec, Tomas Cebecauer, Jan Pravda, Karol Husar  
3-10

II. Land Cover Changes by Land Use Changes in the Central Parts of the Kola Peninsula (Russia) 
since the Beginning of the 20th Century  
Bernd Cyffka, Michael Zierdt  
11-20

III. Driving Forces of Land Use and Cover Change and Environmen of National Capital Territory 
of Delhi  
Anju Singh, R.B. Singh  
21-27

Volume IV.
April 2005

Editors:
Yukio Himiyama  
Hokkaido University of Education, Japan
Alexander Mather  
University of Aberdeen, U.K.
Ivan Bičík  
Charles University, Czech Republic
Elena V. Milanova  
Moscow State University, Russia

CONTENTS

I. Accomplishments of the Commission on World Land Use Survey  
Charles T.N. Paludan, Ernö Csáti  
3-14

II. Land Use/Cover Changes in Italy: a Geo-Historical Survey of Maps and Cultural Landscapes  
Elio Manzi  
15-24

III. Land Cover Changes in Administrative Regions of Slovakia in 1990-2000  
25-32

IV. Land Use and Land Cover Change in the Urban and Peri-urban Area of Leipzig, 
Eastern Germany, since 1870  
Dagmar Haase  
33-42
Commission on Land Use and Land Cover Change – commission report 2013-2014

Volume V,
February 2010

Editors:
Ivan Bičík  Charles University in Prague, Czech Republic
Yukio Himiyama  Hokkaido University of Education, Asahikawa, Japan
Ján Feranec  Slovak Academy of Sciences, Bratislava, Slovakia

CONTENTS

Preface: 4

I. Land Cover / Land Use Changes in Amur River Basin in the 20th century (Russia, China, Mongolia) 5-16
Sergey Ganzey, Victor Ermoshin, Natalia Mishina

II. Slovakia’s Land Cover in 2006 and its Change in 2000-2006 17-24
Ján Feranec, Ján Oťaheľ, Jozef Nováček

III. Land Use and Cover Change under Agricultural Development and Climate Change in Russia 25-30
Elena V. Milanova, Andrei P. Kirilenko, Nikolay M. Dronin

IV. Structure of Agricultural Land Use in the Czech Republic 31-40
Jan Kabrda

V. Landscape Heterogeneity Changes and Their Driving Forces in the Czech Republic After 1990 41-50
Dušan Romportl, Tomáš Chuman, Zdeněk Lipský

VI. Natural Forest Fragmentation: an Example from the Tatra Region, Slovakia 51-56
Monika Kopecká, Jozef Nováček

VII. Land Use and Land Cover Development Along the Czech-Austrian Boundary 57-65
Robin Rašín, Pavel Chromý

V. Land Use Changes and Population Development in Shrinking Urban Regions
Exemplified on the City of Leipzig, Germany 43-48
Ellen Banzhaf and Annegret Kindler

VI. Land-use and Land-cover Changes in the Amur River Basin (South of the Russian Far East and North-East China) 49-62
Sergey Ganzey, Natalia Mishina

VII. Detection of Land Cover Change using Decennial Remote Sensing Imagery:
An Example from Bangladesh 63-76
Md. Shahedur Rashid, Mesbah-us-Saleheen

VIII. Arable Land Changes and Major Driving Forces in Urbanization in Shijiazhuang City of Hebei Province in China 77-84
Lu Qi, Zhang Junyan, Wang Guoxia
Volume VI.

July 2012

Editors:
Yukio Himiyama  Hokkaido University of Education, Asahikawa, Japan
Ivan Bičík  Charles University in Prague, Czech Republic

CONTENTS

Preface: 1
Yukio Himiyama

I. Climate Change and Vegetation Pattern in Nanda Devi Biosphere Reserve, Indian Himalaya 3-12
R.B. Singh, Suraj Mal

II. Climate Change, Water Resources and Land Use Change in Drylands of Rajasthan India 13-22
R.B. Singh, Ajay Kumar

III. Rapid Land Use Change in Suburban Areas of China 23-40
Ji Zengmin

IV. Restructuring of Land Use in Chinese Villages Undergoing Development 41-50
Ji Zengmin

V. The Dynamics of Population, Economic Hegemony and Land Use/Cover Change of Jabodetabek Region (Jakarta Megacity) 51-56
Ernan Rustiadi, Didit Okia Pribadi, Andrea Emma Pravitasari, and Titan Agrisantika

VI. Evaluation of Land-Cover Change in the Amur River Basin using NDVI derived from NOAA/AVHRR PAL Dataset 57-72
Shigeko Haruyama, Masuda Yositaka, Akihiko Kondo

Volume VII.

October 2012

Editors:
Ivan Bičík  Charles University in Prague, Czechia
Yukio Himiyama  Hokkaido University of Education, Asahikawa, Japan
Ján Feranec  Slovak Academy of Sciences, Bratislava, Slovakia
Přemysl Štych  Charles University in Prague, Czechia

CONTENTS

Preface: 4

I. Changes of Land Use Structure in Czechia: From Local Patterns to a More Complex Regional Organization 5-12
Ivan Bičík, Lucie Kupková, Přemysl Štych

Case Study Areas Košťálkov, Kleintaxen: Change of Land Use Patterns 1823-2003 13-18
Přemysl Štych, Ivan Bičík, Pavel Chromý, Jan D. Bláha

Case Study Areas Albertamy, Hřebečná: Change of Land Use Patterns 1842-2007 19-24
Commission on Land Use and Land Cover Change – commission report 2013-2014

Leoš Jeleček, Ivan Bičík, Přemysl Štych, Zbyněk Janoušek, Jan D. Bláha

Case Study Area Rudná: Change of Land Use Patterns 1840-2005 25-30
Přemysl Štych, Ivan Bičík, Kateřina Spazierová, Zbyněk Janoušek, Jan D. Bláha

Case Study Areas Živohošť, Křeničná and Blažim: Change of Land Use Patterns 1840-2005 31-36
Přemysl Štych, Ivan Bičík, Lucie Maliková, Jan D. Bláha

Case Study Areas Hrubá Vrbka, Malá Vrbka, Kuželov: Change of Land Use Patterns 1827-2005 37-42
Přemysl Štych, Ivan Bičík, Václav Stonáček, Jan D. Bláha

Case Study Area Kobylí: Change of Land Use Patterns 1827-2001 43-48
Leoš Jeleček, Ivan Bičík, Přemysl Štych, Jan D. Bláha

II. Land Use Changes in Northwestern Part of Czechia: the Effects of Displacement of German Inhabitants 49-58
Martin Balej, Jiří Anděl, Pavel Raška, Tomáš Oršulák

III. Integrated Landscape Assessment of Cezava Region: 59-66
Jana Frélichová

IV. Trend of Changes in Czechia’s and Slovakia’s Artificial Surfaces (1990-2006) Represented on a Map 67-70
Ján Feranec, Tomáš Soukup

V. The Utilisation of Relative Development Index in the Assessment of Land Use in Czechia 1845-2000 71-79
Ivan Bičík, Lucie Kupková

Volume VIII.
December 2013

Editors:
Yukio Himiyama Hokkaido University of Education, Japan
Ivan Bičík Charles University, Czech Republic

CONTENTS

Preface: 1
Yukio Himiyama

I. Identification of Rice Field Distribution and Rice Cropping Pattern for Rice Production 3-8
Forecasting in West Java, Indonesia
Ernan Rustiaidi, La Ode Syamsul Íman, Tutuk Lufitayanti, Wílona Octora, Andrea Emma Pravitasari

II. Economic Development, Population Growth and Land Use Changes in the last 30 Years in Beijing 9-18
Lu Qi, Lu Shasha

III. Eastern European Forest-steppes and Steppes: trends in Bioproductivity of Ecosystems 19-28
Driven by Land Use and Climate Change
E.V. Milanova, A.P. Kirilenko, N.M. Dronin, N.O. Telnova, N.N. Kalatskova

IV. Land Use/Cover Change in Himachal Himalaya, India 29-38
R.B. Singh and Pankaj Kumar

V. Land Use/Cover Change in North-western India from ca. 1985 to ca. 2010 39-45
Yukio Himiyama, Takao Hasegawa

14
Volume IX.

July 2014

Editors:
Ivan Bičík Charles University in Prague, Czechia
Yukio Himiyama Hokkaido University of Education, Asahikawa, Japan
Ján Feranec Slovak Academy of Sciences, Bratislava, Slovakia
Lucie Kupková Charles University in Prague, Czechia

CONTENTS

Preface: 4-5

I. Agricultural landscapes of Norway: Farmland continuity and change, and their driving forces
Sebastian Eiter, Wendy Fjellstad, Grete Stokstad 7-18

II. The impact of anthropogenic land use changes on the ecological quality of (selected) areas in Northern Italy
Luca Simone Rizzo, Raffaela Gabriella Rizzo, Paolo Tizzani 19-32

III. Changes in land use in Mediterranean terraced landscapes between 1819-2012
The case of two selected villages in Slovenia
Lucija Ažman Momirski, Matej Gabrovec 33-42

IV. Dynamics of land use and land cover change in Ibadan region, Nigeria
Samuel Babatunde Agbola, Oluwasinaayomi Faith Kasim, Mosunmola Olufunmilayo Coker 43-48

V. Urban land cover changes: Case studies Trnava (Slovakia) and Burgas (Bulgaria)
Monika Kopecká, Rumiana Vatseva, Ján Feranec, Ján Oťáheľ, Konštiantin Rosina 49-56

VI. Case study areas Pruské, Bohunice, Vršatské Podhradie and Křivoklát: Land cover changes 1949-2009
Dušan Šebo, Jozef Nováček 57-62

VII. Recent transformation of the Slovak cultural landscape
Bronislav Olah, Igor Gallay, Zuzana Gallayová, Martin Boltížiar 63-74

VIII. Land use development in Slovakia from the 17th to the 20th century: Case study area of Bojnice
Marián Žabenský, Michala Dubská 75-82

IX. Assessment of land use changes in landscape conservation areas based on LUCC database
Markéta Šantrůčková, Lucia Bendíková 83-94

X. The process of transition from industrial to post-industrial society identified in land use and land cover data:
Case of the Czech Republic
Jaromír Kolejka, Martin Klimánek 95-104

XI. Lake Most – how can a royal town be turned into a lake: Georelief analysis 1938-2012
Jan Pacina, Kamil Novák 105-112

Period’s publications

The Commission has been extremely active, and successful, in publication. The above list only shows those that have been published by direct involvement of the Commission. The number of publications by each member far exceeds it. As a sample of period’s publications we present the
latest studies of Institute of Geography, Slovak Academy of Sciences, focused on land-use:

**Identification and assessment of landscape changes in Central Europe**

Results are published by: Feranec, J., Soukup, T., Taff, N. G., Stych, P., Bicik, I.: *Overview of changes in land use and land cover in Central Europe* (the text and seven general maps: Spatial distribution of urbanisation; intensification of agriculture; extensification of agriculture; afforestation; deforestation; water bodies construction; other changes in Central Europe for the periods 1990-2000 and 2000-2006); the chapter prepared for the book: Gutman, G. (Editor): *Land cover and land use change in Eastern Europe 1990-2010: Impacts of the breakup of the Soviet Union*. The book would be published by Springer.

**Semantic similarity between land cover classes**


**Spatial determinants of abandoned arable lands and grasslands in Slovakia**


**More detailed mapping of urban areas using high-resolution remote sensing data**


Detail information about these studies will be presented in IGU LUCC Newsletter 17 (to be published in January 2015).

** Commission’s website:**
www.luccprague.cz

### 5. Archival Contributions

IGU LUCC commission report 2012-13
Newsletter 16 (2014)
Results – CLC level: Surrounding of Prague
by L. Kupková (2012)

As a sample of land-use research results we present one of the maps from paper Kupková, L., Bičík, I.: Land use changes around Prague, presented during International Geographical Congress in Cologne 2012.