



**International Geographical Union  
COMMISSION ON LAND USE/COVER CHANGE**

**NEWSLETTER**

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**IGU LUCC WEBSITE**

All important information about IGU LUCC commission's activities you can find at IGU LUCC website – <http://www.luccprague.cz/>. There you can find up-to-date information about IGU LUCC commission activities, planned conferences and meetings, etc. E-mail address of IGU LUCC secretariat remains the same – [igu.landuse@gmail.com](mailto:igu.landuse@gmail.com).

*Jiří Stockmann, IGU LUCC office*

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## NEWS

### **Great success of former member of IGU LUCC steering committee dr. David López-Carr, who received the NAS Kavli Frontiers of Science Fellow**

David López-Carr joins an elite group of young researchers with his recent selection as Kavli Frontiers Science Fellow. "Not only does the Kavli Frontiers of Science program invite only A-list young researchers who've already received prestigious fellowships, awards and other honors, it is also a predictor of later success. Of the approximately 4,500 researchers who have been named Kavli Fellows over the years, 136 have subsequently been elected to the National Academy of Sciences and 10 have received the Nobel Prize."

López-Carr was recently "named co-principal investigator for a million-dollar NASA-funded project involving UCSB, San Diego State University, George Washington University and the University of Ghana.

The multidisciplinary project will try to uncover what is driving rapid land change and urban transition in Ghana. López-Carr will contribute research analyses of population and health surveys, connecting that information to what is shown by "multi-temporal," or time-lapse, satellite images of changes in land use in Ghana."

*Source: website of the Human Dimensions of Global Change (HDGC) specialty group of the Association of American Geographers (AAG).*

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## FORTHCOMING MEETINGS

### **REGIONAL CONFERENCE OF THE INTERNATIONAL GEOGRAPHICAL UNION, KRAKOW, POLAND, 2014, AUGUST 18-22**

This event is organized by polish organizing committee in cooperation with Ivan Bičík, head of IGU/LUCC Commission. We asked minimally four special meetings oriented on the LUCC topics and one term for business meeting.

More information at <http://www.igu2014.org/>

## **IGU LUCC SYMPOSIUM, BUCHAREST, ROMANIA, 2014, JUNE 23-26**

The symposium will be focused on land use and land degradation related to soil erosion, landslides, desertification and climate change. The topics will also include land use transformations connected with economic, social and political changes.

Organizers and contacts:

- Institute of Geography, Romanian Academy
- Romanian Space Agency, Bucharest
- University of Agronomic Science and Veterinary Medicine, Bucharest

Web pages: [www.luccprague.cz](http://www.luccprague.cz), [www.geoinst.ro](http://www.geoinst.ro)

Contact person: Dr. Bianca Mitrică, Institute of Geography, email: [igar@geoinst.ro](mailto:igar@geoinst.ro)

Programme:

- 23 - 24 June (first half day) – Paper Session, Accommodation in Bucharest
- 24 (second half day) - 26 June – Field Trip, Accommodation in Măgura (Buzău County) and Braşov (Braşov County)

The field trip will represent a transect through Romanian Plain, Hilly Region of the Subcarpathians and Carpathian Mountains.

Conference Venue: Institute of Geography, Dimitrie Racovita 12, 023993 Bucharest

Deadline: 15 April 2014 (title of the presentation and abstract)

## **SENSOR WEB FOR ENVIRONMENTAL RESEARCH WORKSHOP, CASTELLÓN, SPAIN, 2014, JUNE 3**

A one-day workshop called Sensor Web for Environmental Research will be held during the 17<sup>th</sup> AGILE Conference on Geographic Information Science in Castellón (June 3-6, 2014). It is not organized by IGU LUCC commission, but topic of the workshop can be very interesting for land-use researchers.

As official webpage says: the aim of the workshop “Sensor Web for Environmental Research” is to bring together researchers and practitioners in the field of Sensor

Web for Environmental Research. The objectives are to get an overview on current applications of Sensor Web technologies in practice and to discuss shortcomings and research challenges such as dealing with uncertainties, incorporating quality information or automation of analysis of data published in the Sensor Web.

More information at <http://blogs.ifgi.de/sensorwebws2014/>

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## **LAST MEETINGS**

### **IGU LUCC REGIONAL MEETING, PRAGUE, CZECHIA, JUNE 20-22, 2013**

This event was organized by IGU LUCC commission in cooperation with Charles University in Prague (Faculty of Science). About 25 researchers from European countries (Czechia, Slovakia, Romania, Poland, Spain, Russia and Hungary) visited this event. During this meeting there were also presented papers by two leaders of newly formed network SCERIN – Petya Campbell and Garik Gutman (NASA). The idea of connect IGU LUCC meeting with SCERIN activities (below) was very fruitful and evolved in team of authors who are preparing book which will be published in Springer publishing house in 2014.

SCERIN (South-Central European Regional International Network) is an informal network of scientists and other professionals based in the region or with scientific interests in the region of South Eastern and Central Europe. It is also one of the regional networks of the GOFD-GOLD panel (Global Observation of Forest and Land Cover Dynamics).

SCERIN organized in June 17-21 in Prague workshop entitled "Monitoring Land Cover Changes & Forest Condition" and as the adjoining events some parts of SCERIN program were connected with IGU LUCC seminar.

IGU/LUCC meeting in Prague: June 2013: Excursion to central and northern Bohemia. „New wilderness“



*Abandoned agricultural land in slopes of Central Bohemian range.*

IGU/LUCC in Prague: June 2013: Excursion to central and northern Bohemia. Region Most – fully re-cultivated landscape



*Landscape re-cultivated after finishing exploitation brown coal from open pits in northern Bohemia. Both pictures are taken from excursion in LUCC international seminar in Prague 2013.*

## **IGU REGIONAL CONFERENCE, TOKYO, JAPAN, AUGUST 4-9, 2013**

The IGU Commission on Land Use and Cover Changes realized five sessions on which were presented about 25 papers, altogether attended by more over than 50 researchers, mostly from Japan and Eastern Asia, but also from Europe.

Kyoto IGU LUCC meetings themes:

1. Classification of classes and categories in land use/land cover (LUCC);
2. Regional LUCC studies from different countries;
3. Interaction of regional/local development and LUCC;
4. Globalization and LUCC;
5. Historical changes in LUCC in regional, state and global levels.

If we summarize interest in land use/land cover topics during the very last IGU congresses (Tel Aviv, Santiago de Chile, Cologne, Kyoto), we can state that during each event about 4-5 IGU LUCC sessions were organized (with 4-5 speakers on each of them). On the average it is about 20-35 presenting researchers on each meeting, number of listeners varies 10-40 at each meeting. From this point of view it is possible to say that land use/land cover field of study represents one of the most popular IGU activities. Moreover it is necessary to point out that similar topics also were presented on meetings of other IGU commissions, of course from the different angle on studied LUCC problematic (geoinformatics, local and regional development, rural and sustainable development etc.).

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## **PUBLICATIONS**

### **Land use/Cover Changes in Selected Regions in the World**

There had been published eight volumes of special LUCC atlas Land use/Cover changes in Selected Regions in the World during 2001-2013. And another volume is being prepared in 2014!

**Himiyama, Y., Bičič, I. eds. (2013): Land use changes in selected Regions in the world. Volume VIII. Issued by IGU/LUCC, Institute of Geography, Hokkaido University of Education, Asahikawa.**

This volume was published in December 2013 and is regionally focused mainly on Asia. If you are interested in this atlas, please contact prof. Himiyama ([himiyama.yukio@a.hokkyodai.ac.jp](mailto:himiyama.yukio@a.hokkyodai.ac.jp)).



## Content of Volume VIII:

- Yukio Himiyama: Preface
- Ernan Rustiadi, La Ode Syamsul Iman, Tutuk Lufitayanti, Wilona Octora, Andrea Emma Pravitasari: Identification of Rice Field Distribution and Rice Cropping Pattern for Rice Production, Forecasting in West Java, Indonesia
- Lu Qi, Lu Shasha: Economic Development, Population Growth and Land Use Changes in the last 30 Years in Beijing
- E.V.Milanova, A.P. Kirilenko, N.M. Dronin, N.O.Telnova, N.N.Kalutskova: Eastern European Forest-steppes and Steppes: trends in Bioproductivity of Ecosystems Driven by Land Use and Climate Change
- R.B. Singh and Pankaj Kumar: Land Use/Cover Change in Himachal Himalaya, India
- Yukio Himiyama, Takao Hasegawa: Land Use/Cover Change in North-western India from ca.1985 to ca.2010

**Bičík, I., Himiyama, Y., eds. (2014): Land use changes in selected Regions in the world. Volume IX. Issued by IGU/LUCC, Faculty of Science, Charles University in Prague and Hokkaido University of Education, Asahikawa.**

This atlas (regionally focused mainly on Europe ) has not been published yet, it is planned for publishing in the second half of 2014. Altogether twelve articles have been submitted, next articles will be published in another volumes.

## Content of Volume IX:

- Anděl, Balej, Oršulák et al. (Czechia): Case Study Area Bílinsko: Change of Land Use Patterns
- Rizzo et al. (Italy): The impact of anthropic land use changes on the ecological duality of (selected) territories in Northern Italy.
- Kopecká, Vátseva, Feranec, Ořáhel, Rosina (Slovakia and Bulgaria): Urban land use cover changes: Case studies Trnava (Slovakia) and Burgas (Bulgaria).
- Šantrůčková, Bendíková (Czechia): Assessment of Land Use Changes in Landscape Conservation Areas based on LUCC Database
- Pacina, Novák (Czechia): Lake Most – How a royal town can be transformed into a lake.
- Eiter, Stokstad, Pedersen ( Norway): Agricultural landscape change: quantifying and understanding mechanisms behind regional differences.
- Kolečka, Klokánek (Czechia): Transition process from industrial to post-industrial society identified in land use and land cover data. Example of Czech Republic.
- Žabenský (Slovakia): Development of landscape in Slovakia in 17. - 21. century: Case study Bojnice.

- Olah, Gallay, Gallayová, Boltížiar (Slovakia): Recent transformation of Slovak cultural landscape.
- Agbola, Kasim, Coker ( Nigérie): Dynamics of land use and land cover change in Ibadan, Nigeria.

Two other chapters are prepared by Lipský (Czechia) and Gabrovrec et al. (Slovinia).

Therefore we kindly ask all researchers, who are interested in LUCC problematic, to contribute with their papers to these **next Volumes (X, XI...)**. In case of your interest please contact chair of IGU LUCC commission Ivan Bičík (bicik@natur.cuni.cz). Next Volumes are planned to be published in 2015.

Articles requirements:

- a) The article has to be focused on Land Use/Cover Changes topics analysed by remote sensing or by statistical data; text and figures/maps should be in the equal extent.
- b) Theme of the paper should not cover only some landscape detail, but it could be analysed in larger consequences and considering larger area (administrative region, state, river basin etc.).
- c) We accept papers from all countries in the case they fulfil scientific and technical requirements (high resolution of figures/maps).
- d) Editors send papers for review and after that the papers are accepted for publishing; or they are sent to authors for adjustments according to review.
- e) The extent of text in English language is 10 – 12 pages (font Times New Roman, line spacing 1,5), graphical supplements (maps, figures, photos, diagrams etc.) are in the same extent.