

**Program  
IAMO Forum 2012**



**FORUM 2012**  
Land Use in Transition  
JUNE 20-22

**Land Use in Transition:  
Potentials and Solutions between Abandonment  
and Land Grabbing**

20-22 June 2012  
Halle (Saale), Germany



## **Languages**

English throughout

## **Conference Venue**

Leibniz Institute of Agricultural Development  
in Central and Eastern Europe (IAMO)  
Theodor-Lieser-Strasse 2  
06120 Halle (Saale), Germany

## **Sessions' Location at IAMO**

LH: Lecture Hall

CR-1: Conference room 1

CR-2: Conference room 2

## **Internet café**

Internet access is available in our internet café on the first floor, room 204, from 8:00 am. Please follow the displayed signs.

8:00am	<b>Registration</b>
9:15am	<b>Conference Opening</b>
9:30am	<b>Plenary Session 1: Land Use Transitions</b>    LH Chair: Patrick Hostert [PETER VERBURG, VU University Amsterdam; HELMUT HABERL, Alpen-Adria-University]
11:00am	<b>Coffee Break</b>
11:30am	<b>A 1: Forests in Transition</b>    LH Chairs: Thomas Kastner, Karlheinz Erb
	<b>A 2: Causes of Land Use Change</b>    CR-1 Chair: Alexander V. Prishchepov
	<b>A 3: Land as Social Security</b>    CR-2 Chair: Detelina Tocheva
1:00pm	<b>Lunch</b>
2:30pm	<b>B 1: Land-Use Intensification</b>    LH Chairs: Karlheinz Erb, Tobias Kuemmerle
	<b>B 2: Land Use in Transition – a Remote Sensing Perspective</b>    CR-1 Chair: Patrick Hostert
	<b>B 3: Post-Socialist Land Use Transitions</b>    CR-2 Chair: Martin Petrick
4:00pm	<b>Coffee Break</b>
4:30pm	<b>C 1: Agricultural Production Potentials of FSU</b>    LH Chair: Florian Schierhorn
	<b>C 2: Structural Change and Land Use</b>    CR-1 Chair: Christoph Sahrbacher
	<b>C 3: Land Rights in Rural China</b>    CR-2 Chair: Yanjie Zhang
6:00pm	<b>End of 1st Conference Day</b>
7:00pm	<b>Welcome Reception "Krug zum Grünen Kranze"</b>

8:00am	<b>Registration</b>
9:30am	<b>Plenary Session 2: Processes of Land Use Change</b>    LH Chair: Thomas Herzfeld [JO SWINNEN, University of Leuven; GRIGORY IOFFE, Radford University]
11:00am	<b>Coffee Break</b>
	<b>D 1: Patterns and Determinants of Land-Use Change</b>    LH Chair: Daniel Müller
11:30am	<b>D 2: Land Markets in Transition</b>    CR-1 Chair: Karin Kataria
	<b>D 3: Changing Patterns in Agricultural Property and Land Management in Central Asia and the Caucasus</b>    CR-2 Chair: Tommaso Trevisani
1:00pm	<b>Lunch</b>
	<b>E 1: Effects of Land Use Change on Carbon Balance in FSU</b>    LH Chair: Nicolas Vuichard
2:30pm	<b>E 2: Regional and Local Land-Use Transitions</b>    CR-1 Chair: Zhanli Sun
	<b>E 3: Institutions and Land Use Change</b>    CR-2 Chair: Insa Theesfeld
4:00pm	<b>Coffee Break</b>
	<b>F 1: Agricultural Productivity, Climate Impacts and Adaptation</b>    LH Chair: Thomas Hertel
4:30pm	<b>F 2: Determinants of Land Prices</b>    CR-1 Chair: Jarmila Curtiss
	<b>F 3: Large Scale Land Acquisition in Eastern Europe and Sub-Sahara Africa</b>    CR-2 Chairs: Linda Kleemann, Kerstin Nolte
6:00pm	<b>End of 2nd Conference Day</b>
7:00pm	<b>Barbecue at IAMO</b> <b>(8:45pm possibility to view the European Football Championship)</b>

8:00am

**Registration**

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9:00am

**Plenary Session 3:****Farmland Investments and Land Grabbing** || LH

Chair: Gertrud Buchenrieder

[MAX SPOOR, Erasmus University; KLAUS DEININGER, World Bank]

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10:30am

**Coffee Break**

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11:00am

**G 1: Land Grabbing in FSU** || LH

Chair: Max Spoor

**G 2: Farming in Ukraine: Current Land Issues** || CR-1Chair: Alex Lissitsa

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12:30pm

**Lunch**

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1:30pm

**Panel Discussion:****Large-scale Farmland Investments and Land Grabbing** || LHChair: Csaba Csaki

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3:30pm

**Coffee Break**

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4:00pm

**End of 3rd Conference Day**

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8:00am **Registration**

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9:15am **Conference Opening** || Lecture Hall  
[ALFONS BALMANN, IAMO]

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9:30am **Plenary Session 1: Land Use Transitions** || Lecture Hall  
Session Chair: Patrick Hostert

Land change: from subtle local modifications to large global transitions  
[PETER VERBURG, VU University Amsterdam, The Netherlands]

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Global biomass flows and land-use transitions  
[HELMUT HABERL, Alpen-Adria-University, Austria]

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11:00am **Coffee Break**

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11:30am **Parallel Sessions A**

**A 1: Forests in Transition** || Lecture Hall  
Session Chairs: Thomas Kastner and Karlheinz Erb

Global forest transition: Strategies for ending deforestation  
in the globalization era  
[PATRICK MEYFROIDT, ERIC F. LAMBIN]

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Effects of international wood trade and national patterns  
of forest change  
[THOMAS KASTNER, KARL-HEINZ ERB]

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Interactions between agricultural trade and tropical deforestation  
under different forest protection policies  
[CHRISTOPH SCHMITZ, HERMANN LOTZE-CAMPEN, MICHAEL KRAUSE,  
ALEXANDER POPP]

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A System Dynamics Approach to Understanding Forest Transition  
[ZHANLI SUN, DARLA K. MUNROE, DANIEL MÜLLER]

**A 2: Causes of Land Use Change** || Conference room 1

Session Chair: Alexander V. Prishchepov

Impact of socioeconomic parameters and farming practices related to grassland biodiversity in the Ukrainian Carpathians  
[IRINA SOLOVYEVA, ERNST-AUGUST NUPPENAU, IVAN DANYLYK, VITALIY HONCHARENKO, MARIIA TOMYCH]

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How land use and other capital components affect on small farm viability in Bulgaria?  
[DIMITRE NIKOLOV NIKOLOV, MINKA ANASTASOVA-CHOPEVA]

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Urban sprawl and agricultural land use change in the Bucharest Metropolitan Area  
[GABRIEL SIMION]

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Pathways from Collective Farming: Changing farming systems in a Ukrainian village  
[BRIAN JEFFREY KUNS]

**A 3: Land as Social Security** || Conference room 2

Session Chair: Detelina Tocheva

The shifting nature of land and houses as resources for social security: Exploring social security strategies in the post-Yugoslav space  
[JOVANA DIKOVIC, LARISSA VETTERS]

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Navigating Serbia's market transitions: Agricultural land use between emergency option and family tradition  
[ANDRE THIEMANN]

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From "Land tenure regime" to "institutional arrangements" of land-use: how do large-scale agricultural production units have emerged in Orel (Russian Federation)?  
[PASCAL GROUIEZ]

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1:00pm

**Lunch**

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2:30pm

**Parallel Sessions B**

**B 1: Land-Use Intensification** || Lecture Hall

Session Chairs: Karlheinz Erb and Tobias Kuemmerle

Is population density driving land use intensity and extent of irrigated land?

[STEFAN SIEBERT, MATTI KUMMU, MIINA PORKKA]

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Mapping and modelling agricultural intensity in Europe

[EMMA VAN DER ZANDEN, PETER VERBURG]

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Scenarios of agricultural production increases in European Russia for the year 2030

[FLORIAN SCHIERHORN, DANIEL MÜLLER, ALEXANDER PRISHCHEPOV, KONSTANTIN HAHLBROCK, ALFONS BALMANN]

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Integrated socio-ecological analyses of land-use intensification based on the Human Appropriation of Net Primary Production framework

[KARLHEINZ ERB, HELMUT HABERL, MARIA NIEDERTSCHEIDER]

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Agricultural land use intensity and provision of Ecosystem Services in Europe

[MARIA LUISA PARACCHINI, JOACHIM MAES, GRAZIA ZULIAN]

**B 2: Land Use in Transition – a Remote Sensing Perspective (Mini-Symposium)** || Conference room 1

Session Chair: Patrick Hostert

Integrating remote sensing across scales – potentials for a deeper understanding of land use transitions in CEEC

[Presented by MATTHIAS BAUMANN]

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Remote estimation of Russia's sown area

[KIRSTEN DE BEURS, G. HENEGBRY]

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New approaches to large area mapping at high resolutions – harmonizing land change estimates beyond national statistics

[Presented by PATRICK GRIFFITHS]

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Detection of land abandonment and natural succession in the northern Carpathian Mountains using dense time-series of Landsat images

[Presented by KATARZYNA OSTAPOWICZ]

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Trajectories and patterns of agricultural land use change in Eastern Europe and European Russia: agricultural land abandonment and recultivation of abandoned agricultural lands

[Presented by ALEXANDER PRISHCHEPOV]



**B 3: Post-Socialist Land Use Transitions** || Conference room 2

Session Chair: Martin Petrick

Land use polarization – Between needs and investments opportunities  
[DAN-MARIUS VOICILAS]

Sometime land use will change and nobody will seem to notice –  
a case study from Transylvania (Romania)

[INGE PAULINI, ANDREI CRIȘAN, GWYN JONES, AURA MOLDOVAN, ROXANA  
NEGOIȚĂ, RUDOLF POLEDNA, WOLFGANG SCHUMACHER, MIRCEA TROC,  
MARIUS BĂRBOS]

The Role of the State in Changes of the Agrarian Structure in Poland  
during the 20 Years of Market Economy

[ALINA MARIA DANILOWSKA]

Respondent preference for cultivated land resource protection in China:  
a choice experiment

[AI-HUI MA, ANLU ZHANG, JINGJING ZHANG]

4:00pm

**Coffee Break**

4:30pm

**Parallel Sessions C****C 1: Agricultural Production Potentials of FSU** || Lecture Hall

Session Chair: Florian Schierhorn

Potential additional cropland, socioeconomic and environmental  
constraints and tradeoffs in Eastern Europe and  
Former Soviet Union countries

[PATRICK MEYFROIDT, PATRICK HOSTERT, TOBIAS KUEMMERLE, ERIC F. LAMBIN,  
DANIEL MÜLLER, FLORIAN SCHIERHORN, ALEXANDER PRISHCHEPOV]

The Abandoning of agricultural areas in Russia in XX century  
[DMITRY LYURI]

Regional effect of form of ownership on the efficiency of production  
in Ukraine

[OLGA MUROVA]

Comparing social factors contributing to winter wheat yield differences  
in Rostov, Russia and Picardy, France

[RACHEL LICKER, CHRISTOPHER KUCHARIK, ALEXANDER PRISHCHEPOV]

**C 2: Structural Change and Land Use** || Conference room 1  
Session Chair: Christoph Sahrbacher

Land use changes and abandonment of agricultural lands in  
Ivolginsky district of Buryatia, Russia  
[ERZHENA IMYKSHENOVA]

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Why are agroholdings so pervasive in the Oblast Belgorod?  
Evidence from case studies and farm-level data  
[JÜRGEN WANDEL, KONSTANTIN HAHNBROCK, DAVID EPSTEIN]

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The abandonment of Historical Structures of the Agricultural Landscape  
in Slovakia – a multi scale analysis of the extent and driving forces  
[JURAJ LIESKOVSKÝ, PETER BEZÁK, JANA ŠPULEROVÁ, MARTA DOBROVODSKÁ]

**C 3: Land Rights in Rural China** || Conference room 2  
Session Chair: Yanjie Zhang

On Compensation for Exiting Rural Homestead –  
A Case Study of Shangqiu City, Henan Province  
[YINGEN HU, MAN ZHANG, XIYUN WEI, XIAOFENG XU, ANQI HE]

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Measuring and internalizing external costs of rural-urban land  
conversion – An empirical study of Wuhan city in China  
[CHENA ZHU, ANLU ZHANG, MIN, SONG, ZHI ZHANG]

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WTA for GM rice cookies in China:  
evidences from an experimental auction  
[PENGCHENG LIU, LINGLING LIU]

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Analysis on Changing Trend of Chinese-African Agricultural Trade,  
Comparative Advantage and complementariness  
[JUN YANG, WENQIAN YANG, MING LI, XIAOBING WANG]

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6:00pm **End of 1st Conference Day**

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7:00pm **Welcome Reception „Krug zum Grünen Kranze“**

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8:00am **Registration**

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9:30am **Plenary Session 2: Processes of Land Use Change** || Lecture Hall  
 Session Chair: Thomas Herzfeld

Land Regulations in Europe (and How Europe Deals with Land Grabbing)  
 [JO SWINNEN, University of Leuven, Belgium]

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What drives land use change in rural Russia?  
 [GRIGORY IOFFE, Radford University, USA]

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11:00am **Coffee Break**

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11:30am **Parallel Sessions D**

**D 1: Patterns and Determinants of Land-Use Change** || Lecture Hall  
 Session Chair: Daniel Müller

Mapping hotspots of forest disturbance across Europe  
 [STEPHAN ESTEL, CHRISTIAN LEVERS, TOBIAS KUEMMERLE]

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Identifying drivers of land use change and their importance in Europe:  
 a data mining approach with Boosted Regression Trees  
 [CHRISTIAN LEVERS, DANIEL MÜLLER, HANS VERKERK, TOBIAS KUEMMERLE]

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Trajectories, patterns and determinants of agricultural land-use change  
 over the last two decades in post-Soviet European Russia  
 [ALEXANDER V. PRISHCHEPOV, DANIEL MÜLLER, ANIKA SIEBER,  
 TOBIAS KUEMMERLE, VOLKER C. RADELOFF, PATRICK HOSTERT]

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Farmland abandonment and logging as drivers of changes in  
 forest fragmentation in post-Soviet Russia  
 [ANIKA SIEBER, TOBIAS KUEMMERLE, ALEXANDER V. PRISHCHEPOV,  
 VOLKER C. RADELOFF, MILENKA HAMPEL, PATRICK HOSTERT]

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Separating between types of forest disturbance affects modelling  
 of drivers of timber harvest  
 [MATTHIAS BAUMANN, KELLY J. WENDLAND, MUTLU OZDOGAN,  
 VOLKER C. RADELOFF]

**D 2: Land Markets in Transition** || Conference room 1

Session Chair: Karin Kataria

Land rights and their impact on the Albanian agriculture land market and investments

[EDVIN ZHLLIMA, DANIEL MÜLLER, DRINI IMAMI]

Land Market in Ukraine: Good or Bad News?

[OLHA ZADOROZHNA]

Land consolidation and land market in Moldova in the context of agricultural sustainable development

[DRAGOS CIMPOIES, MARIANA PERJU, ANATOL RACUL]

**D 3: Changing Patterns in Agricultural Property and Land Management in Central Asia and the Caucasus (Mini-Symposium)** || Conference room 2

Session Chair: Tommaso Trevisani

Household strategies for agrarian land use in Azerbaijan: anthropological insights on land abandonment and cash crop production  
[PD DR. LALE YALCIN HECKMANN, Seminar für Ethnologie, Martin-Luther Universität Halle-Wittenberg]

Decollectivisation in Uzbekistan: State, farmers and communities in the struggle for cotton

[DR. TOMMASO TREVISANI, Zentralasien-Seminar, Humboldt-Universität zu Berlin]

Decollectivisation and privatisation in slow motion: challenges for land management and livelihoods in Kyrgyzstan's state forest farms (leskhozoes)

[PD DR. MATTHIAS SCHMIDT, Institut für Wirtschafts- und Kulturgeographie, Leibniz Universität Hannover]

Causes and Consequences of Regional Variation in Land Reform in Tajikistan

[DR. SARAH ROBINSON, Division of Biology, Imperial College London; IAN HIGGINBOTHAM; TANYA GUENTHER; ANDRÉE GERMAIN]

Discussant

[PROF. DR. PETER LINDNER, Institut für Humangeographie, Goethe-Universität Frankfurt am Main]

1:00pm

**Lunch**

2:30pm

**Parallel Sessions E****E 1: Effects of Land Use Change on Carbon Balance in FSU** || Lecture Hall

Session Chair: Nicolas Vuichard

Dynamics of carbon stocks in post-agrogenic, self-restoring soils of different climatic zones of Russia

[OLGA KALININA, SERGEY GORYACHKIN, DMITRIY LYURI, LUISE GIANI]

Long-term and recent land use change and their effects on carbon fluxes in Eastern Europe

[TOBIAS KUEMMERLE, DANIEL MÜLLER, PONTUS OLOFSSON, ALEXANDER PRISHCHEPOV, CAMILO ALCANTARA, VOLKER RADELOFF]

Russian carbon balance update after 20 years of farming system collapse

[IRINA KURGANOVA, VALENTIN LOPES DE GERENYU]

Carbon sequestration in post-agrogenic ecosystems of Russia

[DMITRY LYURI, SERGEY GORYACHKIN, DMITRY KARELIN, OLGA KALININA, LUISA GIANI]

**E 2: Regional and Local Land-Use Transitions** || Conference room 1

Session Chair: Zhanli Sun

Land use and land cover change in the Polish Carpathians – repeat photography perspective

[DOMINIK KAIM, JACEK KOZAK]

How regional differences induce distinct forest transition pathways: A comparative case study in Yunnan, China.

[JENS FRAYER, DANIEL MUELLER, DARLA K. MUNROE, SUN ZHANLI]

The interdependence of forest transition pathways at the household level in Yunnan, China

[DARLA K. MUNROE, DANIEL MÜLLER, JENS FRAYER, ZHANLI SUN, JIANCHU XU]

An overview of China's land use change in the past 300 years

[LIJUAN MIAO, FENG ZHU, BIN HE, XUEFENG CUI]

**E 3: Institutions and Land Use Change** || Conference room 2

Session Chair: Insa Theesfeld

Institutional Innovation in Managing Irrigated Lands  
in Post-Soviet Uzbekistan

[AHMAD HAMIDOV]

Consequences of Land Reforms on water management in Central Asia  
[ISKANDAR ABDULLAEV]

Land Grabbing and Land Abandonment in the Eastern German  
Countryside: 1945-2011

[JOYCE BROMLEY, AXEL WOLZ]

4:00pm

**Coffee Break**

4:30pm

**Parallel Sessions F****F 1: Agricultural Productivity, Climate Impacts and Adaptation:  
Implications for Global Land Use and GHG Emissions  
(Mini-Symposium)** || Lecture Hall

Session Chair: Thomas Hertel

Agricultural Productivity, Climate Impacts and Adaptation:  
Implications for Global Land Use and GHG Emissions  
[Presented by THOMAS HERTEL, Purdue University  
(currently on leave at Stanford University)]

Agricultural Technology, Global Land Use and Deforestation  
[Presented by JAMES STEVENSON, CGIAR Independent Science and  
Partnership Council Secretariat, UN-FAO]

Implications of Different Agricultural Productivity Scenarios on  
GHG Emissions and Mitigation  
[Presented by HUGO VALIN, Ecosystems Services and  
Management Program, IIASA]

**F 2: Determinants of Land Prices** || Conference room 1

Session Chair: Jarmila Curtiss

Price Formation on Land Market Auctions in East Germany –  
An Empirical Analysis

[ALFONS BALMANN, SILKE HÜTTEL, KARIN KATARIA, MARTIN ODENING]

What does agricultural land price push up?  
Some findings from Czech land market

[LADISLAV JELINEK, TOMAS MEDONOS, VACLAV VILHELM, MARTIN HRUSKA]

Non-Agricultural and Supra-Regional Investors  
on the German Agricultural Land Market  
[ANDREAS TIETZ, BERNHARD FORSTNER]

**F 3: Large Scale Land Acquisition in Eastern Europe and  
Sub-Sahara Africa** || Conference room 2

Session Chairs: Linda Kleemann, Kerstin Nolte

Large-Scale Agricultural Investments in Light of  
John Rawls's Theory of Justice  
[LUIS TOMÁS MONTILLA FERNÁNDEZ, JOHANNES SCHWARZE]

Ethically evaluating Large-Scale Land-Acquisition from a sustainability  
perspective: Comparing Eastern Europe and Sub-Sahara Africa  
[LIESKE VOGET-KLESCHIN]

Selling the Iron, Lion, Zion: Institutions promoting Land Grab in Ethiopia  
[LOTTE STAELENS, MARIJKE D'HAESE]

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6:00pm **End of 2nd Conference Day**

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7:00pm **Barbecue at IAMO**

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8:45pm **Possibility to view the European Football Championship**

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8:00am **Registration**

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9:00am **Plenary Session 3: Farmland Investments and Land Grabbing** || Lecture Hall

Session Chair: Gertrud Buchenrieder

Land grabbing in post-Soviet Eurasia

[MAX SPOOR, Erasmus University, The Netherlands]

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Large scale land acquisition: A global perspective

[KLAUS DEININGER, World Bank, USA]

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10:30am **Coffee Break**

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11:00am **Parallel Sessions G**

**G 1: Land Grabbing in FSU** || Lecture Hall

Session Chair: Max Spoor

The Local Political Economy of Large Scale Land Acquisitions in Russia: Some Preliminary Observations

[PETER LINDNER, ALEXANDER VORBURGG]

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Rediscovering the Virgin Lands: Agricultural investment and rural livelihoods in a Eurasian frontier area

[MARTIN PETRICK, JÜRGEN WANDEL, KATHARINA KARSTEN]

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Large Scale Land Acquisitions in Russia and Ukraine

[OANE VISSER, NATALIA MAMONOVA]

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The Financialisation and Valorisation of Nature in Ukraine

[CHRISTINA PLANK]

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Land grabbing by corporatization of agrarian sector: Ukrainian evidence

[OLENA BORODINA, ANDREW GUTOROV]

**G 2: Farming in Ukraine: Current Land Issues**

**(Mini-Symposium)** || Conference room 1

Session Chair: Alex Lissitsa

Current Land Policy Issues

[PROF. DR. HRYGORII KALETNYK, Head of the Committee for Agricultural Policy and Land Resources, Verkhovna Rada of Ukraine]

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Legal Framework for Farming in Ukraine

[JULIAN RIES, Lawyer, Beiten Burkhardt Ukraine]



Large vs. Small Farms:

Efficiency and Productivity in Ukrainian Agriculture

[DR. ALEX LISSITSA, President, Ukrainian Agribusiness Club]

Vertical Integration as a Key Success Factor in Agribusiness

[INNA METELEVA, Deputy Head of Board, Swarog West Group]

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12:30pm     **Lunch**

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1:30pm     **Panel Discussion:**  
**Large-scale Farmland Investments and Land Grabbing**    ||    Lecture Hall  
Session Chair: Csaba Csaki

Panel members:

DR. KLAUS DEININGER, Lead Economist in the rural development group  
of the Development Economics Group, The World Bank

DR. CHRISTIAN EBMEYER, Ekoniva APK-Holding, Russia

MAREN KNELLER, Policy Advisor Rural Development, Global Food  
Security, Federal Ministry for Economic Cooperation and Development  
(BMZ)

DR. ALEX LISSITSA, President of the Ukrainian Agribusiness Club

PROF. DR. MAX SPOOR, Professor of Development Studies,  
Erasmus University Rotterdam

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3:30pm     **Coffee Break**

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4:00pm     **End of 3rd Conference Day**

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IAMO Forum 2012 is supported by



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Ministerium für  
Wissenschaft und Wirtschaft

Ministry of Sciences and Economic  
Affairs of the Federal State Saxony-  
Anhalt, Germany

### Contact

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### IAMO Organizing Committee

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**FORUM 2012**  
JUNE 20-22  
Land Use in Transition

