

CONFERENCE PROGRAM

Agriculture and Climate Change in Transition Economies

IAMO Forum 2015 | 17 - 19 June 2015 | Halle (Saale), Germany

Wednesday, June 17

8:00 REGISTRATION
9:00 CONFERENCE OPENING
9:15 PLENARY SESSION Regional assessments of options for mitigation and adaption (LH) Pete Smith (University of Aberdeen, Scotland, UK) Maximilian Auffhammer (University of California, Berkeley, USA)
10:45 COFFEE BREAK
11:15 KEYNOTE ADDRESS Climate risk and food security (LH) Hans Joachim Schellnhuber (Potsdam Institute for Climate Impact Research (PIK), Germany)
12:00 LUNCH
13:00 PARALLEL SESSIONS A
A1: GHG emissions and mitigation potential in the livestock sector (LH) A2: How climate change policies shape agriculture in the European semi-periphery (CR1)
14:40 COFFEE BREAK
15:15 PARALLEL SESSIONS B
B1: Climate change, water resources and agricultural development in Central Asia (LH) B2: Strategies for sustainable land management in the steppe zones: Economic and institutional solutions to climate change (I) (CR1) B3: Effects of climate change on agriculture and the role of public policies (CR2)
16:45 COFFEE BREAK
17:15 PARALLEL SESSIONS C
C1: The role of agricultural insurance to improve climate resilience in rural economies (LH) C2: Strategies for sustainable land management in the steppe zones: Economic and institutional solutions to climate change (II) (CR1) C3: Management of water resources in Central Asia (CR2)
18:45 END OF CONFERENCE DAY 1
19:00 BARBECUE WITH LIVE MUSIC

Thursday, June 18

8:00 REGISTRATION
9:30 PLENARY SESSION Farm-level and case study insights (LH) Jikun Huang (Center for Chinese Agricultural Policy, Chinese Academy of Science, China) Vladimir Romanenkov (All-Russian Institute of Agrochemistry, Moscow, Russian Federation)
11:00 COFFEE BREAK
11:30 PARALLEL SESSIONS D
D1: Impact of climate variability on agricultural production in Russia, Ukraine, and Kazakhstan (I) (LH) D2: Climate change, food security and sustainable agriculture in China (I) (CR1) D3: Land use strategies for mitigating climate change (CR2)
13:00 LUNCH
14:00 PARALLEL SESSIONS E
E1: Impacts of climate variability on agricultural production in Russia, Ukraine, and Kazakhstan (II) (LH) E2: Climate change food security and sustainable agriculture in China (II) (CR1) E3: Farm-level strategies for mitigation and adaption (CR2)
15:30 COFFEE BREAK
16:00 PARALLEL SESSIONS F
F1: Water competition and land use along major rivers in Central Asia (LH) F2: Climate change, food security and sustainable agriculture in China (III) (CR1)
17:30 END OF CONFERENCE DAY 2
19:00 CONFERENCE DINNER

Friday, June 19

8:00 REGISTRATION
9:00 WELCOME ADDRESS
9:15 PLENARY SESSION Opportunities and challenges of climate-smart agriculture (LH) Leslie Lipper (Food and Agriculture Organization of the United Nations (FAO), Italy) Hermann Lotze-Campen (Potsdam Institute for Climate Impact Research (PIK), Germany)
10:45 COFFEE BREAK
11:15 MODERATED PANEL DISCUSSION How to make agriculture more climate-smart? (LH) Moderator: Alfons Balmann (IAMO) Discussants: Jikun Huang (Chinese Academy of Science) Leslie Lipper (FAO) Hermann Lotze-Campen (PIK) Inna Meteleva (Svarog West Group) Liudmila Orlova (The National Movement for Conservation Agriculture) Georg Vierling (Südzucker International GmbH) Wolfgang Vogel (Farmers' Association in Saxony)
13:15 CLOSING OF CONFERENCE
13:30 LUNCH

LH = Lecture Hall
CR1 = Conference Room 1
CR2 = Conference Room 2

IAMO Forum 2015 is jointly organized by



IAMO Forum 2015 is supported by



Date: Wednesday, 17/Jun/2015

8:00am - 9:00am	Registration
9:00am - 9:15am	Conference opening Welcome address: Alfons Balmann (IAMO, Germany)
9:15am - 10:45am	P1: Plenary session: Regional assessments of options for mitigation and adaptation Session Chair: Daniel Müller Keynotes: <i>Addressing the joint challenges of climate change and food security</i> Pete Smith (University of Aberdeen, Scotland, UK) <i>Detecting and attributing the impact of climate change on agriculture: What do we know?</i> Maximilian Auffhammer (University of California, Berkeley, USA)
10:45am - 11:15am	Coffee break
11:15am - 12:00pm	Keynote Address: Climate risk and food security Session Chair: Alfons Balmann Keynote Speaker: Hans Joachim Schellnhuber (Potsdam Institute for Climate Impact Research (PIK), Germany)
12:00pm - 1:00pm	Lunch break
1:00pm - 2:40pm	A1: GHG emissions and mitigation potential in the livestock sector Session Chair: Susanne Rolinski Global livestock GHG emissions mitigation: The key role of realizing the Former Soviet Union production potential Petr Havlík¹, David Leclère¹, Dmitry Schepaschenko¹, Juraj Balkovič¹, Andre Deppermann¹, Mario Herrero², Hugo Valin¹, Erwin Schmid³, Michael Obersteiner¹ ¹ IIASA, Austria; ² CSIRO, Australia; ³ BOKU, Austria; depperma@iiasa.ac.at Livestock and the water challenge of future food supply Isabelle Weindl^{1,2}, Benjamin Leon Bodirsky^{1,3}, Alexander Popp¹, Susanne Rolinski¹, Anne Biewald¹, Jens Heinke^{1,3,4}, Florian Humpenöder^{1,5} ¹ PIK, Germany; ² Humboldt University of Berlin, Germany; ³ CSIRO, Australia; ⁴ ILRI, Kenya; ⁵ Technical University Berlin, Germany; weindl@pik-potsdam.de Regional variations in use of crops for livestock production Prajal Pradhan¹, Matthias Lüdeke¹, Dominik Reusser¹, Juergen Kropp^{1,2} ¹ PIK, Germany; ² University of Potsdam, Germany; pradhan@pik-potsdam.de Uncertainty in mapping global grazing intensity Tamara Fetzl, Karlheinz Erb Alpen-Adria-Universitaet Klagenfurt, Austria; tamara@fetzel.eu More grassland area or better grassland quality? Tradeoff between grassland area and grassland quality of livestock grazing using directional distance function Wei Huang, Bernhard Bruemmer University Goettingen, Germany; huangw.simlab@gmail.com
1:00pm - 2:40pm	A2: How climate change policies shape agriculture in the European semi-periphery Session Chair: Andreas Mayer, Mladen Domazet The development of the agricultural sector in the transition economies of the European semi-periphery: A material flow analysis of the past half-century Andreas Mayer, Anke Schaffartzik, Fridolin Krausmann Alpen-Adria-Universitaet Klagenfurt, Austria; Andreas.Mayer@aau.at Environmental concerns, pro-environmental behavior and climate-change- constrained food security concerns in European core and semiperiphery Mladen Domazet¹, Branko Ančić¹, Marija Brajdić Vuković² ¹ Institute for Social Research in Zagreb, Croatia; ² University of Zagreb, Croatia; domazet@idi.hr

	<p>Do Western and Eastern Europe have the same agricultural climate response? The importance of a large adaptive capacity. Janka Vanschoenwinkel, Steven Van Passel Hasselt University, Belgium; janka.vanschoenwinkel@uhasselt.be</p> <p>Seeds of change: Sustainable agriculture as a path to prosperity of the Western Balkans Vedran Horvat, Tomislav Tomašević Heinrich Boell Stiftung - Hrvatska, Croatia; tomislav.tomasevic@hr.boell.org</p> <p>How sustainable agriculture depicts social values: View from Croatia Nataša Bokan¹, Jelena Puđak² ¹University of Zagreb, Croatia; ²Institute of Social Sciences Ivo Pilar, Croatia; nbokan@agr.hr</p>
2:40pm - 3:15pm	Coffee break
3:15pm - 4:45pm	<p>B1: Climate change, water resources and agricultural development in Central Asia Session Chair: Nodir Djanibekov</p> <p>Water resources in Central Asian agricultural development Akmal Karimov IWMI, Uzbekistan; a.karimov@cgiar.org</p> <p>Crop diversification as a climate risk mitigation strategy: Farm-level evidence from Uzbekistan Martin Petrick, Nodir Djanibekov IAMO, Germany; petrick@iamo.de</p> <p>Water users' associations in Central Asia: Opportunities and challenges for development Nozilakhon Mukhamedova^{1,2}, Oytire Anarbekov¹ ¹IWMI, Uzbekistan; ²IAMO, Germany; nozilar@gmail.com</p> <p>Benefits of regional cooperation in water use to cope with water scarcity in the Aral Sea Basin (Central Asia) Maksud Bekchanov¹, Nodir Djanibekov², Claudia Ringler³ ¹IWMI, Sri Lanka; ²IAMO, Germany; ³IFPRI, USA; m.bekchanov@cgiar.org</p>
3:15pm - 4:45pm	<p>B2: Strategies for sustainable land management in the steppe zones: Economic and institutional solutions to climate change (I) Session Chair: Insa Theesfeld</p> <p>Institutions, sustainability, and the role of the state in agriculture: A case study from West Siberia, Russia Yuliana Griewald Humboldt University of Berlin, Germany; yuliana.griewald@hu-berlin.de</p> <p>Agricultural policy in Russian Federation and its implications for climate change adaptation in Western Siberia Nataliya Stupak Humboldt University of Berlin, Germany; nataliya.stupak.1@hu-berlin.de</p> <p>The overview of agricultural advisory/extension services in KULUNDA project study region Milada Kasariyan, Manfred Frühauf, Peter Liebelt Martin-Luther University Halle-Wittenberg, Germany; milada.kasariyan@geo.uni-halle.de</p>
3:15pm - 4:45pm	<p>B3: Effects of climate change on agriculture and the role of public policies Session Chair: Daniel Müller</p> <p>Assessing impacts of climate change on agriculture at global and regional scales Martin Banse (presented by Peter Zander) Thünen-Institute, Germany; martin.banse@ti.bund.de</p>

Echoes from the Soviet Past: Bias in wheat production statistics in Kazakhstan

Saule Burkitbayeva, Dauren Oshakbayev

LICOS, Belgium; saule.burkitbayeva@student.kuleuven.be

**Is Indian agriculture becoming resilient to droughts?
Evidence from rice production systems**

Pratap S Birthal¹, Digvijay S Negi², Md Tajuddin Khan³, Shaily Aggarwal¹

¹NCAP, India; ²Indian Statistical Institute, India; ³IFPRI, India; tajuddin.mse@gmail.com

**Institutional determinants of climate-smart agriculture –
The case of biogas development in Cuba**

Tilman Reinhardt

Mercator Fellowship on International Affairs, Germany; tilmanreinhardt@googlemail.com

4:45pm - 5:15pm **Coffee break**

5:15pm - 6:45pm **C1: The role of agricultural insurance to improve climate resilience in rural economies**

Session Chair: **Ihtiyor Bobojonov**

Farmer driven, science based adaptation: The example of Index Insurance

Daniel Edward Osgood

Columbia University, USA; deo@iri.columbia.edu

Demand for crop insurance in Uzbekistan

Nuriddin Nasirdinovich Muradullaev¹, Ihtiyor Bobojonov², Aden Aw-Hassan³, Thomas Glauben²

¹Banking and Finance Academy, Uzbekistan; ²IAMO, Germany; ³ICARDA, Jordan;
abu0932002@yahoo.co.uk

**Analysing the role of price and yield as sources of volatility of crop farm revenues
in transition economies. Empirical evidences from Armenia.**

Simone Severini¹, Giuliano Di Tommaso¹, Hovhannes Harutyunyan², Antonella Tantari¹

¹Università della Tuscia, Italy; ²Eurasia International University, Armenia; severini@unitus.it

Pros and cons of subsidizing agricultural insurance programs in the CIS

Ihtiyor Bobojonov, Linde Götz

IAMO, Germany; goetz@iamo.de

Lecture hall

5:15pm - 6:45pm **C2: Strategies for sustainable land management in the steppe zones: Economic and institutional solutions to climate change (II)**

Session Chair: **Ladislav Jelinek**

**Land property rights and investment incentives -
Study from the Semi-desert steppe region in Russia**

Olga Petrovna Fadeeva¹, Ladislav Jelinek², Andreas Wust³, Insa Theesfeld²

¹Novosibirsk State University, Russia; ²Martin-Luther University Halle-Wittenberg, Germany; ³Leibniz
Institute for Regional Geography, Germany; fadeeva_ol@mail.ru

**Sustainable land management under climate change in Western Siberia:
Potential of adapted cultivation technology in cereal production systems**

Insa Kühling, Dieter Trautz

University of Applied Sciences Osnabrück, Germany; i.kuehling@hs-osnabrueck.de

Conference room 1

**Farm-level costs of adoption of modern soil cultivation system:
The case of Siberian Kulunda Steppe**

Miroslava Bavorova¹, Elena Ponkina²

¹Martin-Luther University Halle-Wittenberg, Germany; ²Altai State University Barnaul, Russia;
miroslava.bavorova@landw.uni-halle.de

<p>5:15pm - 6:45pm</p> <p>Conference room 2</p>	<p>C3: Management of water resources in Central Asia Session Chair: Martin Petrick</p> <p>Strategies for climate change adaptation and mitigation: Transition to the resource-efficient pattern in agriculture of Uzbekistan Kamila Mukhamedkhanova, Talat Shadybaev Center for Economic Research, Uzbekistan; kamila.muhamedhanova@cer.uz</p> <p>Central Asian irrigation sector in a climate change context: Some reflections Iskandar K. Abdullaev (presented by Saltanat Naimanova) Regional Environmental Center for Central Asia, Kazakhstan; IAbdullaev@carececo.org</p> <p>Cooperation between cotton and wheat producers in using water in Uzbekistan: A game theoretical approach Abdusame Abduxamidovich Tadjiev¹, Shavkat Hasanov², Nodir Djanibekov³ ¹University of Genoa, Italy; ²Samarkand Agricultural University, Uzbekistan; ³IAMO, Germany; aaabdusame@gmail.com</p> <p>The effects of water scarcity on the agricultural sector of Tajikistan Parviz Khakimov Centre for Economic Studies, Tajikistan; parviz_khakimov@yahoo.com</p>
<p>6:45pm</p>	<p>End of conference day 1</p>
<p>7:00pm</p>	<p>Barbecue with live music (IAMO vestibule)</p>
<p>Date: Thursday, 18/Jun/2015</p>	
<p>8:00am - 9:30am</p>	<p>Registration</p>
<p>9:30am - 11:00am</p> <p>Lecture hall</p>	<p>P2: Plenary session: Farm-level and case study insights Session Chair: Thomas Herzfeld Keynotes: <i>Climate change and China's agriculture: Impact and adaptation</i> Jikun Huang (Center for Chinese Agricultural Policy, Chinese Academy of Sciences, China) <i>Effective organic matter stock management in Russian agriculture and adaptation strategies to climate change</i> Vladimir Romanenkov (All-Russian Institute of Agrochemistry, Moscow, Russian Federation)</p>
<p>11:00am - 11:30am</p>	<p>Coffee break</p>
<p>11:30am - 1:00pm</p> <p>Lecture hall</p>	<p>D1: Impacts of climate variability on agricultural production in Russia, Ukraine, and Kazakhstan (I) Session Chair: Florian Schierhorn</p> <p>Regional agroclimatic monitoring and evaluation of climate change impact on Russia's agriculture Vera Pavlova Russian Research Institute of Agricultural Meteorology, Russian Federation; ynp2003@bk.ru</p> <p>Vulnerability of crop yields to climate conditions in Ukraine Friedrich Koch¹, Florian Schierhorn¹, Daniel Müller^{1,2} ¹IAMO, Germany; ²Humboldt University of Berlin, Germany; koch@iamo.de</p> <p>Assessing the impact of climate change on Russian grain production Maria Belyaeva¹, Raushan Bokusheva² ¹IAMO, Germany; ²Institute for Environmental Decisions, ETH Zurich; belyaeva@iamo.de</p> <p>Changes of agroclimatic conditions and their impact on winter rye yields in the Central Nonblack Soil Zone Olga Sukhoveeva Russian Academy of Sciences, Russian Federation; olgasukhoveeva@gmail.com</p>

<p>11:30am - 1:00pm</p> <p>Conference room 1</p>	<p>D2: Climate change, food security and sustainable agriculture in China (I) Session Chair: Zhanli Sun</p> <p style="text-align: center;">Food security in China: Future perspective</p> <p style="text-align: center;">Xuefeng Cui^{1,2}, Xiaolei Liu¹, Reshmita Nath³, Ruinan Sun¹</p> <p style="text-align: center;">¹Beijing Normal University, China; ²University College Dublin, Ireland; ³Chinese Academy of Science, China; xuefeng.cui@bnu.edu.cn</p> <p style="text-align: center;">China's land-use transition and driving forces during the past 300 years: A historical perspective</p> <p style="text-align: center;">Lijuan Miao¹, Feng Zhu¹, Zhanli Sun², John Moore¹, Xuefeng Cui¹</p> <p style="text-align: center;">¹Beijing normal University, China; ²IAMO, Germany; miaolijuan1111@gmail.com</p> <p style="text-align: center;">The methodology of quantifying agricultural drought risk in China based on major cereal crops</p> <p style="text-align: center;">Chaoping Yu¹, Xiao Hang¹, Han Chen¹, Changsheng Li², Yuali Yue¹, Guorui Huang¹, Jie Zhang¹</p> <p style="text-align: center;">¹Tsinghua University, China; ²University of New Hampshire, USA; chaopingyu@tsinghua.edu.cn</p> <p style="text-align: center;">China's agriculture transition: From urban capture to rural-urban share</p> <p style="text-align: center;">Lanjiao Wen, Anlu Zhang</p> <p style="text-align: center;">Huazhong Agricultural University, China; zhanganlu@mail.hzau.edu.cn</p>
<p>11:30am - 1:00pm</p> <p>Conference room 2</p>	<p>D3: Land use strategies for mitigating climate change Session Chair: Lioudmila Chatalova</p> <p style="text-align: center;">Possible role for conservation agriculture in climate change adaptation and mitigation in Central Asia: A preliminary review</p> <p style="text-align: center;">Aziz Israilovich Nurbekov¹, Amir Kassam², Alisher Mirzabayev³, Jozef Turok¹, Dossymbek Sydyk⁴, Zokhidjon Ziyadullaev⁵</p> <p style="text-align: center;">¹ICARDA-CAC, Uzbekistan; ²University of Reading, United Kingdom; ³University of Bonn, Germany; ⁴South-Western Research Institute of Livestock and Crop Production, Kazakhstan; ⁵Kashkadarya Research Institute of Breeding and Seed Production of Cereals, Uzbekistan; a.nurbekov@cjar.org</p> <p style="text-align: center;">Agroforestry for landscape restoration and livelihood development in Central Asia</p> <p style="text-align: center;">Utkur Djanibekov¹, Klara Dzhakypbekova², Horst Weyerhaeuser², Robert Zomer³, Grace B. Villamor^{4,5}, Jianchu Xu³</p> <p style="text-align: center;">¹University of Bonn, Germany; ²University of Central Asia, Kyrgyzstan; ³World Agroforestry Centre (ICRAF) in East and Central Asia, China; ⁴University of Bonn, Germany; ⁵ICRAF, Indonesia; u.djanibekov@ilr.uni-bonn.de</p> <p style="text-align: center;">Examining changes in local adaptive capacity resulting from climate change adaptation programming in rural Kyrgyzstan</p> <p style="text-align: center;">Aiganysh Isaeva</p> <p style="text-align: center;">Mountain Societies Research Institute, Kyrgyzstan; aiganysh.isaeva@ucentralasia.org</p> <p style="text-align: center;">Linking land use transition with gender-specific preferences in Northern Vietnam</p> <p style="text-align: center;">Grace B. Villamor^{1,3}, Delia Catacutan²</p> <p style="text-align: center;">¹University of Bonn, Germany; ²ICRAF, Vietnam; ³ICRAF, Indonesia; gracev@uni-bonn.de</p>
<p>1:00pm - 2:00pm</p>	<p>Lunch break</p>
<p>2:00pm - 3:30pm</p> <p>Lecture hall</p>	<p>E1: Impacts of climate variability on agricultural production in Russia, Ukraine, and Kazakhstan (II) Session Chair: Friedrich Johannes Koch</p> <p style="text-align: center;">Estimates of grain exports of Russia, Ukraine and Kazakhstan for the 2020s</p> <p style="text-align: center;">Nikolai Dronin¹, Andrey Kirilenko², Elena Lioubimtseva³</p> <p style="text-align: center;">¹Moscow State University, Russian Federation; ²University of North Dakota, USA; ³Grand Valley State University, USA; ndronin@gmail.com</p>

	<p style="text-align: center;">The transformation of the Russian agricultural sector: Implications for the global carbon cycle</p> <p style="text-align: center;"><u>Florian Schierhorn</u>¹, Daniel Müller^{1,2}, Friedrich Koch¹, Alexander Prishchepov^{1,3} ¹IAMO, Germany; ²Humboldt University of Berlin, Germany; ³University of Copenhagen, Denmark; schierhorn@iamo.de</p> <p style="text-align: center;">Drivers of wheat yields in Western Siberian bread basket of Russia</p> <p style="text-align: center;"><u>Alexander Prishchepov</u>^{1,2}, Elena Ponkina³, Zhanli Sun¹, Daniel Mueller¹ ¹University of Copenhagen, Denmark; ²IAMO, Germany; ³Altai State University; alpr@ign.ku.dk</p> <p style="text-align: center;">Climate impacts on cereal yields. A Hungarian case</p> <p style="text-align: center;"><u>József Fogarasi</u>^{1,2}, Gábor Kemény¹, András Molnár¹, Anna Zubor-Nemes¹, Andrea Kiss¹ ¹Institute of Agricultural Economics, Hungary; ²Partium Christian University Oradea, Romania; Fogarasi.Jozsef@aki.gov.hu</p>
2:00pm - 3:30pm	<p>E2: Climate change, food security and sustainable agriculture in China (II) Session Chair: Xuefeng Cui</p> <p style="text-align: center;">Identification of water scarcity and providing solutions for adapting to climate changes in the arid Heihe River Basin of China</p> <p style="text-align: center;"><u>Xiangzheng Deng</u>¹, Chunhong Zhao², Lina Yao¹ ¹Chinese Academy of Sciences, China; ²Texas State University, USA; dengxz.ccap@gmail.com</p> <p style="text-align: center;">Impact of climate change on herdsman's income: A case of three-river headwaters region in China</p> <p style="text-align: center;"><u>Fang Yin</u> IAMO, Germany; yin@iamo.de</p>
Conference room 1	<p style="text-align: center;">Manure networks to reduce greenhouse gas emissions from Chinese agriculture – feasibility and future potentials</p> <p style="text-align: center;"><u>Bettina Bluemling</u>¹, Qin Tu², Wei Qu³ ¹University of Glasgow, United Kingdom; ²Beijing Normal University, China; ³Lanzhou University, China; Bettina.Bluemling@glasgow.ac.uk</p> <p style="text-align: center;">Institutional conditions and adaptive capacity of conjunctive water management: Comparing three cases in Northwest China</p> <p style="text-align: center;"><u>Eefje Aarnoudse</u> IAMO, Germany; aarnoudse@iamo.de</p>
2:00pm - 3:30pm	<p>E3: Farm-level strategies for mitigation and adaptation Session Chair: Jarmila Curtiss</p> <p style="text-align: center;">Market-based environmental instruments for risk-averse farmers: A case of rubber agroforest in Jambi Province, Indonesia</p> <p style="text-align: center;"><u>Utkur Djanibekov</u>¹, Grace B Villamor^{1,2} ¹University of Bonn, Germany; ²ICRAF, Indonesia; u.djanibekov@ilr.uni-bonn.de</p>
Conference room 2	<p style="text-align: center;">Agricultural cooperatives and household welfare: Empirical evidence from apple farmers in China</p> <p style="text-align: center;"><u>Wanglin Ma</u>, Awudu Abdulai University of Kiel, Germany; wma@food-econ.uni-kiel.de</p> <p style="text-align: center;">State-contingent production: The case of grain in Saxony-Anhalt</p> <p style="text-align: center;"><u>Denitsa Angelova</u>^{1,2} ¹IAMO, Germany; ²Martin-Luther-Universität Halle-Wittenberg, Germany; angelova@iamo.de</p>
3:30pm - 4:00pm	Coffee break
4:00pm - 5:30pm	<p>F1: Water competition and land use along major rivers in Central Asia Session Chair: Volker Beckmann</p> <p style="text-align: center;">Actor modelling to balance land use and ecosystem protection in the Tarim River Basin, Northwest China</p> <p style="text-align: center;"><u>Tuck Fatt Siew</u>, Petra Döll Goethe University Frankfurt, Germany; tuckfatt.siew@em.uni-frankfurt.de</p>
Lecture hall	

	<p style="text-align: center;">Ecosystem degradation in the Ili-Balkhash Basin, Kazakhstan Jan Felix Köbbing¹, Niels Thevs², Volker Beckmann¹, Sophie Hirschelmann³ ¹Ernst-Moritz-Arndt-University of Greifswald, Germany; ²ICRAF, Kyrgyzstan; ³Michael Succow Foundation for the Protection of Nature, Germany; N.Thevs@cgjar.org</p> <p style="text-align: center;">Spatio-temporal assessment of cropland degradation in the irrigated downstream areas in Uzbekistan Olena Dubovyk¹, Gunter Menz¹, Elena Kan² ¹University of Bonn, Germany; ²Urgench State University, Uzbekistan; odubovyk@uni-bonn.de</p> <p style="text-align: center;">Climate change impact on irrigation benefits in the Aral Sea basin and adaptation strategies Maksud Bekchanov¹, Nodir Djanibekov², Anik Bhaduri³, Claudia Ringler⁴ ¹IWMI, Sri Lanka; ²IAMO, Germany; ³University of Bonn, Germany; ⁴IFPRI, USA; m.bekchanov@cgjar.org</p>
4:00pm - 5:30pm	<p>F2: Climate change, food security and sustainable agriculture in China (III) Session Chair: Bettina Bluemling</p> <p style="text-align: center;">Farmers' land use options to cope with climate induced water scarcity in Lijiang, China Hua Yang¹, Grace B. Villamor², Yufang Su^{1,3}, Mingcheng Wang¹, Jianchu Xu^{1,3} ¹Chinese Academy of Sciences, Yunnan, China; ²University of Bonn, Germany; ³ICRAF-China, Yunnan, China; gracev@uni-bonn.de</p> <p style="text-align: center;">Impact of extreme weather on maize yield in Shanxi, China Taoyuan Wei¹, Karianne de Bruin¹, Solveig Glomsrød¹, Tianyi Zhang² ¹CICERO, Norway; ²Chinese Academy of Sciences, China; taoyuan.wei@cicero.uio.no</p> <p style="text-align: center;">Drought risk of tobacco production and the role of precipitation index insurance in Liangshan Prefecture, Sichuan Lisha Zhong, Dan Liu, Yuansheng Jiang Sichuan Agricultural University, China; 357515347@qq.com</p>
Conference room 1	
5:30pm	End of conference day 2
7:00pm	Conference dinner (Restaurant Mahns Chateau)
Date: Friday, 19/Jun/2015	
8:00am - 9:00am	Registration
9:00am - 9:15am	<p>Welcome address: Gerlinde Sauer (German Agribusiness Alliance, Committee on Eastern European Economic Relations, Germany)</p>
Lecture hall	
9:15am - 10:45am	<p>P3: Plenary session: Opportunities and challenges of climate-smart agriculture Keynotes: Daniel Müller <i>Challenges and opportunities of climate-smart agriculture in transition and developing economies</i> Leslie Lipper (Food and Agriculture Organization of the United Nations (FAO), Italy) <i>Model-based assessments of climate-smart agriculture at the global scale</i> Hermann Lotze-Campen (Potsdam Institute for Climate Impact Research (PIK), Germany)</p>
Lecture hall	
10:45am - 11:15am	Coffee break
11:15am - 1:15pm	<p>P4: Moderated panel discussion: How to make agriculture more climate-smart? Moderator: Alfons Balmann (IAMO) Discussants: Jikun Huang (Chinese Academy of Sciences), Leslie Lipper (FAO), Hermann Lotze-Campen (PIK), Inna Meteleva (Svarog West Group), Liudmila Orlova (The National Movement for Conservation Agriculture), Georg Vierling (Südzucker International GmbH), Wolfgang Vogel (Farmers' Association in Saxony)</p>
Lecture hall	
1:15pm	Closing of the conference: Daniel Müller
Lecture hall	
1:30pm	Lunch break