



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Obersteiner Michael**
 Address(es) International Institute for Applied Systems Analysis, ESM Program
 A-2361 Laxenburg (Austria)
 Telephone(s) +43-2236-807-460 Mobile +43-676-83-807-460
 Fax(es) +43-2236-807-599
 E-mail(s) oberstei@iiasa.ac.at
 Nationality Austrian
 Date of birth 02 November 1967
 Gender Male

Occupational field **Director, Environmental Change Institute (ECI), University of Oxford**

Dates October 2019 → present
 Occupation or position held Director
 Main activities and responsibilities Scientific leader
 Name and address of employer Oxford University Centre for the Environment, South Parks Road, Oxford, OX1 3QY, United Kingdom

Occupational field **Ecosystems Services and Management Program (ESM)**

Dates 2011 → present
 Occupation or position held Senior Scholar formerly Program Director until July 2019
 Main activities and responsibilities Scientific leader
 Name and address of employer International Institute for Applied Systems Analysis, Ecosystems Services and Management Program
 Schlossplatz 1, A-2361 Laxenburg, Austria
 Type of business or sector International, non-governmental Research Institute

Occupation or position held Research Scholar, Group Leader on land-use change modeling, Project Coordinator
 Main activities and responsibilities Principle Investigator and Scientific Coordinator of the funded projects
 Name and address of employer International Institute for Applied Systems Analysis, Forestry Program,
 Schlossplatz 1, A-2361 Laxenburg, Austria
 Type of business or sector International, non-governmental Research Institute

Dates 1996 → 2007
 Occupation or position held Research Economist
 Main activities and responsibilities Staff Economist leading the Natural Resources and Energy Economics Group
 Name and address of employer Department of Economics and Finance, Institute for Advanced Studies, Vienna, Austria

Dates 1994 → 1995
 Occupation or position held Visiting Scientist

Main activities and responsibilities Visiting Scientist on Russian Forest Sector Analysis
 Name and address of employer Institute for Economics and Industrial Organisation, Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia

Dates 1990 - 1991
 Occupation or position held Fullbright Research Assistant

Main activities and responsibilities College of Forest Resources, University of Washington
 Name and address of employer Seattle, Washington, USA

Dates 1987 - 1988
 Main activities and responsibilities United Nations Peace Keeping Force Staff,
 Name and address of employer UNFICYP, United Nations Forces in Cyprus Famagusta, Cyprus

Education and training

Dates 1994 - 1997
 Title of qualification awarded Dr. nat. techn. (Ph.D.)
 Principal subjects / occupational skills covered Resource Management and Economics
 Name and type of organisation BOKU -University of Applied Life Sciences and Natural Resources, Vienna, Austria

Dates 1994 - 1996
 Title of qualification awarded Diploma Economist (M. phil. in Economics)
 Principal subjects / occupational skills covered Joint Ph.D. Program in Economics
 Name and type of organisation Columbia University (NY, USA) and Institute for Advanced Studies, Vienna, Austria

Dates 1987 - 1994
 Title of qualification awarded Graduate Engineer (M.Sc. in Forestry)
 Principal subjects / occupational skills covered Resource Management and Economics
 Name and type of organisation BOKU -University of Applied Life Sciences and Natural Resources, Vienna, Austria

Dates 1990 - 1991
 Principal subjects / occupational skills covered Ecophysiology
 Name and type of organisation University of Washington, Seattle, Washington, USA

Personal skills and competences

Mother tongue(s)	German		Understanding				Speaking		Writing	
	Self-assessment		Listening	Reading	Spoken interaction	Spoken production				
European level (*)										
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
French	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Proficient user
Italian	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user
Russian	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
Spanish	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic User

Social skills and competences Team spirit; Excellent ability to adapt to multicultural environments, gained through my work experience and abroad; good communication skills gained through my experience as scientific coordinator.

Organisational skills and competences Leadership (currently responsible for a team of 90 scientists); Sense of organisation (experience in logistics); Good experience in project and team management.

Additional information

Ph.D. Dissertations

The Pan Siberian Forest Industry Model (PSFIM): A theoretical concept for forest industry analysis.
University of Life Sciences and Natural Resources, Vienna, Austria

Masters Theses

1. The carbon economy of plants under stress. University of Bodenkultur, Vienna, Austria.
2. Efficiency and Economies of Scale in the Sciences. Institute for Advanced Studies (IAS), Vienna, Austria.

Member:

Convening Lead Author, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (*IPBES*, Deliverable 3c.

Panel Member, International Research Panel (IRP), UN Environment

Scientific steering committee member, NRP 68 (Boden) and NRP 72 (Nachhaltiges Wirtschaften), Swiss National Science Fund

Scientific advisory board member, Living Planet Report 2018, WWF International

Advisory board member, New Climate Economy Report, World Resources Institute

Advisory board member, International Institute for Sustainability, Brazil

Top Journals Articles [Nature and Science family, PNAS]

Folberth C, Khabarov N, Balkovic J, Skalsky R, Visconti P, Ciais P, Janssens I, Peñuelas J, Obersteiner M, et al. (2020). The global cropland sparing potential of high-yield farming. **Nature Sustainability** 3: 281-289. DOI:10.1038/s41893-020-0505-x.

Bednar J, Obersteiner M, & Wagner F (2019). On the financial viability of negative emissions. **Nature Communications** 10 (1): Article number: 1783. DOI:10.1038/s41467-019-09782-x.

Eker S, Reese G, & Obersteiner M (2019). Modelling the drivers of a widespread shift to sustainable diets. **Nature Sustainability** DOI:10.1038/s41893-019-0331-1.

Fernández-Martínez M, Sardans J, Chevallier F, Ciais P, Obersteiner M, Vicca S, Canadell J G, Bastos A, et al. (2019). Global trends in carbon sinks and their relationships with CO₂ and temperature. **Nature Climate Change** 9 (1): 73-79. DOI:10.1038/s41558-018-0367-7.

Fritz S, See L, Carlson T, Haklay M, Oliver JL, Fraisl D, Mondardini R, Brocklehurst M, et al. (2019). Citizen science and the United Nations Sustainable Development Goals. **Nature Sustainability** 2: 922-930. DOI:10.1038/s41893-019-0390-3.

Pastor A, Palazzo A, Havlik P, Biemans H, Wada Y, Obersteiner M, Kabat P, & Ludwig F (2019). The global nexus of food–trade–water sustaining environmental flows by 2050. **Nature Sustainability** DOI:10.1038/s41893-019-0287-1.

Roe S, Streck C, Obersteiner M, Frank S, Griscom B, Drouet L, Fricko O, Gusti M, et al. (2019). Contribution of the land sector to a 1.5 °C world. **Nature Climate Change** DOI:10.1038/s41558-019-0591-9. (In Press)

Schmidt-Traub G, Obersteiner M, & Mosnier A (2019). Fix the broken food system in three steps. **Nature** 569: 181-183. DOI:10.1038/d41586-019-01420-2.

Eker S, Rovenskaya E, Obersteiner M, & Langan S (2018). Practice and perspectives in the validation of resource management models. **Nature Communications** 9 (1): e5359. DOI:10.1038/s41467-018-07811-9.

- Bleischwitz R, Spataru C, VanDeveer SD, Obersteiner M, van der Voet E, Johnson C, Andrews-Speed P, Boersma T, et al. (2018). Resource nexus perspectives towards the United Nations Sustainable Development Goals. **Nature Sustainability** 1 (12): 737-743. DOI:10.1038/s41893-018-0173-2.
- Gasser T, Kechiar M, Ciais P, Burke EJ, Kleinen T, Zhu D, Huang Y, Ekici A, Obersteiner M (2018). Path-dependent reductions in CO2 emission budgets caused by permafrost carbon release. **Nature Geoscience** DOI 10.1038/s41561-018-0227-0 [pure.iiasa.ac.at/id/eprint/15453]
- Frank S, Beach R, Havlik P, Valin H, Herrero M, Mosnier A, Hasegawa T, Creason J, et al. (2018). Structural change as a key component for agricultural non-CO2 mitigation efforts. **Nature Communications** 9 (1) DOI:10.1038/s41467-018-03489-1.
- Obersteiner M, Bednar J, Wagner F, Gasser Thomas, Ciais P, Forsell N, Frank S, Havlik P, et al. (2018). *How to spend a dwindling greenhouse gas budget*. **Nature Climate Change** 8 (1): 7-10. DOI:10.1038/s41558-017-0045-1.
- Schepaschenko D, Fritz S, See L, Laso Bayas JC, Lesiv M, Kraxner F, & Obersteiner M (2017). Comment on "The extent of forest in dryland biomes". **Science** 358 (6362): eaao0166. DOI:10.1126/science.aao0166.
- Walsh B, Ciais P, Janssens IA, Penuelas J, Riahi K, Rydzak F, van Vuuren DP, & Obersteiner M (2017). Pathways for balancing CO2 emissions and sinks. **Nature Communications** 8: e14856. DOI:10.1038/ncomms14856.
- Folberth C, Skalsky R, Moltchanova E, Balkovic J, Azevedo L, Obersteiner M, & van der Velde M (2016). Uncertainty in soil data can outweigh climate impact signals in crop yield simulations. **Nature Communications** 7: art.no.11872. DOI:10.1038/ncomms11872.
- Obersteiner M, Walsh B, Frank S, Havlik P, Cantele M, Liu J, Palazzo A, Herrero M, Lu Y, Mosnier A, Valin H, Riahi K, Kraxner F, Fritz S, van Vuuren D. (2016). Assessing the land resource-food price nexus of the Sustainable Development Goals. **Science Advances**, Vol 2, No. 9; DOI 10.1126/sciadv.1501499
- Folberth, C., Skalsky, R., Moltchanova, E., Balkovic, J., Azevedo, L., Obersteiner, M. and van der Velde, M. (2016) Uncertainty in soil data can outweigh climate impact signals in crop yield simulations. **Nature Communications**, 7. art.no.11872.
- Smith P, Davis SJ, Creutzig F, Fuss S, Rogelj J, McCollum D, Krey V, Grubler A, et al. (2016). Biophysical and economic limits to negative CO2 emissions. **Nature Climate Change** 6 (1): 42-50. DOI:10.1038/nclimate2870.
- Klimek, P., Obersteiner, M. and Thurner, S. (2015) Systemic trade risk of critical resources. **Science Advances**, 1 (10). e1500522.
- Campiooli, M., Vicca, S., Luysaert, S., Bilcke, J., Ceschia, E., Chapin III, F. S., Ciais, P., Fernández-Martínez, M., Malhi, Y., Obersteiner, M., Olfeldt, D., Papale, D., Piao, S. L., Peñuelas, J., Sullivan, P. F., Wang, X., Zenone, T. and Janssens, I. A. (2015) Biomass production efficiency controlled by management in temperate and boreal ecosystems. **Nature Geoscience**, 8 (11). pp. 843-846.
- Elshout PMF, van Zelm R, Balkovic J, Obersteiner M, Schmid E, Skalsky R, van der Velde M & Huijbregts MAJ (2015). Greenhouse-gas payback times for crop-based biofuels. **Nature Climate Change**, 5:604-610 (June 2015) (Published online 11 May 2015).
- Cohn AS, Mosnier A, Havlik P, Valin H, Herrero M, Schmid E, O'Hare M & Obersteiner M (2014). Cattle ranching intensification in Brazil can reduce global greenhouse gas emissions by sparing land from deforestation. **PNAS**, 111(20):7236-7241 (20 May 2014) (Published online 28 April 2014).
- Fernandez-Martinez M, Vicca S, Janssens IA, Sardans J, Luysaert S, Campiooli M, Chapin III FS, Ciais P, Obersteiner M, et al. (2014). Nutrient availability as the key regulator of global forest carbon balance. **Nature Climate Change**, 4(6):471-476 (June 2014) (Published online 6 April 2014).
- Havlik P, Valin H, Herrero M, Obersteiner M, Schmid E, Rufino MC, Mosnier A, Thornton PK, Bottcher H, Conant RT, Frank S, Fritz S, Fuss S, Kraxner F & Notenbaert A (2014). Climate change mitigation through livestock system transitions. **PNAS**, 111(10):3709-3714 (11 March 2014) (Published online 24 February 2014).
- Herrero M, Havlik P, Valin H, Notenbaert A, Rufino MC, Thornton PK, Bluemmel M, Weiss F, Grace D, Obersteiner M (2013). Biomass use, production, feed efficiencies, and greenhouse gas emissions from global livestock systems. **PNAS**, 110(52):20888-20893 (24 December 2013) (Published online 16 December 2013).
- Obersteiner M, Penuelas J, Ciais P, van der Velde M, Janssens IA (2013). The phosphorus trilemma. **Nature Geoscience**, 6(11):897-898 (November 2013) (Published online 30 October 2013).
- Penuelas J, Poulter B, Sardans J, Ciais P, van der Velde M, Bopp L, Boucher O, Godderis Y, Hinsinger P, Llusia J, Nardin E, Vicca S, Obersteiner M, Janssens IA (2013). Human-induced nitrogen-phosphorus imbalances alter natural and managed ecosystems across the globe. **Nature Communications**, 4:2934 (17 December 2013).

- Swart R, Fuss S, Obersteiner M, Ruti P, Teichmann C, Vautard R (2013). Beyond vulnerability assessment. **Nature Climate Change**, 3(11):942-943 (November 2013) (Published online 29 October 2013).
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- Liu J., L. You, M. Amini, M. Obersteiner, M. Herrero, A.J.B. Zehnder, and H. Yang, (2010) "A high-resolution assessment on global nitrogen flows in cropland," **PNAS**, Proceedings of the National Academy of Sciences, 2010.
- Searchinger TD, Hamburg SP, Melillo J, Chamaides W, Havlik P, Kammen DM, Likens GE, Obersteiner M, Oppenheimer M, Robertson GP, Schlesinger WH, Lubowski R, Tilman GD (2010). Bioenergy: Counting on incentives -- Response (Letters). **SCIENCE**, 327(5970):1200-12001 (5 March 2010).
- Searchinger TD, Hamburg SP, Melillo J, Chameides W, Havlik P, Kammen DM, Likens GE, Obersteiner M, Oppenheimer M, Robertson GP, Schlesinger WH, Tilman GD, Lubowski R (2010). Carbon calculations to consider -- Response (Letters). **SCIENCE**, 327(5967):781 (12 February 2010).
- Obersteiner M. (2009) Storing carbon in forests. Book Review: Climate Change and Forests: Emerging Policy and Market Opportunities. Edited by Charlotte Streck, Robert O'Sullivan, Toby Janson-Smith and Richard G. Tarasofsky. **NATURE** 458, 151 (12 March 2009)
- Searchinger TD, Hamburg SP, Malillo J, Chameides W, Havlik P, Kammen DM, Likens GE, Lubowski RN, Obersteiner M, Oppenheimer M, Robertson PG, Schlesinger WH, Tilman DG (2009). Fixing a critical climate accounting error. **SCIENCE** 326(5952): 527-528.
- Kindermann G., M. Obersteiner, B. Sohngen, J. Sathaye, K. Andrasko, E. Rametsteiner, B. Schlamadinger, S. Wunder, and R. Beach (2008) Global cost estimates of reducing carbon emissions through avoided deforestation. **PNAS**, July 29, vol. 105, no. 30, pp. 10302–10307
- Marland G., M. Obersteiner, B. Schlamadinger (2007) The Carbon Benefits of Fuels and Forests. **SCIENCE**, 16 Nov. 2007 VOL 318 p.1066
- Brian O'Neill, Arnulf Grübler, Nebojsa Nakicenovic, Michael Obersteiner, Keywan Riahi, Leo Schrattenholzer, Ferenc Toth (2003) Planning for Future Energy Resources. **SCIENCE**. Vol. 300 25 APRIL 2003 p. 581.
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Articles in Scholarly Peer - reviewed Journals

2020

- Folberth C, Khabarov N , Balkovic J , Skalsky R , Visconti P, Ciais P, Janssens I, Peñuelas J, Obersteiner, M, et al. (2020). The global cropland sparing potential of high-yield farming. *Nature Sustainability* 3: 281-289. DOI:10.1038/s41893-020-0505-x.
- Li W, Ciais P, Stehfest E, van Vuuren D, Popp A, Arneth A, Di Fulvio F , Doelman J, Obersteiner, M, et al. (2020). Mapping the yields of lignocellulosic bioenergy crops from observations at the global scale. *Earth System Science Data Discussions* 12 (2): 789-804. DOI:10.5194/essd-12-789-2020.
- Peñuelas J, Janssens I, Ciais P, Obersteiner M , & Sardans J (2020). Anthropogenic global shifts in biospheric N and P concentrations and ratios and their impacts on biodiversity, ecosystem productivity, food security, and human health. *Global Change Biology* 26 (4): 1962-1985. DOI:10.1111/gcb.14981.
- Peñuelas J, Fernández-Martínez M, Vallicrosa H, Maspons J, Zuccarini P, Carnicer J, Sanders T, Krüger I, Obersteiner M, et al. (2020). Increasing atmospheric CO₂ concentrations correlate with declining nutritional status of European forests. *Communications Biology* 3 (1): e125. DOI:10.1038/s42003-020-0839-y.
- Verryckt LT, Van Langenhove L, Ciais P, Courtois EA, Vicca S, Peñuelas J, Stahl C, Coste S, Obersteiner M, et al. (2020). Coping with branch excision when measuring leaf net photosynthetic rates in a lowland tropical forest. *Biotropica* DOI:10.1111/btp.12774. (In Press)
- Zheng X, Lu Y, Yuan J, Baninla Y, Zhang S, Stenseth NC, Hessen DO, Tian H, Obersteiner M, et al. (2020). Drivers of change in China's energy-related CO₂ emissions. *Proceedings of the National Academy of Sciences* 117 (1): e201908513. DOI:10.1073/pnas.1908513117.
- Pereira HM, Rosa IMD, Martins IS, Kim H, Leadley P, Popp A, van Vuuren DP, Hurr G, Obersteiner M, et al. (2020). Global trends in biodiversity and ecosystem services from 1900 to 2050. *bioRxiv* (Preprint) DOI:10.1101/2020.04.14.031716.

2019

- Bednar J, Obersteiner M, & Wagner F (2019). On the financial viability of negative emissions. *Nature Communications* 10 (1): Article number: 1783. DOI:10.1038/s41467-019-09782-x.
- Di Fulvio F, Forsell N, Korosuo A, Obersteiner M, & Hellweg S (2019). Spatially explicit LCA analysis of biodiversity losses due to different bioenergy policies in the European Union. *Science of the Total Environment* 651: 1505-1516. DOI:10.1016/j.scitotenv.2018.08.419.
- Eker S, Reese G, & Obersteiner M (2019). Modelling the drivers of a widespread shift to sustainable diets. *Nature Sustainability* DOI:10.1038/s41893-019-0331-1.
- Eker S, Rovenskaya E, Langan S, & Obersteiner M (2019). Model validation: A bibliometric analysis of the literature. *Environmental Modelling & Software* 117: 43-54. DOI:10.1016/j.envsoft.2019.03.009.
- Ermolieva T, Boere E, Biewald A, Havlik P, Mosnier A, Leclere D, Valin H, Frank S, et al. (2019). Addressing climate change adaptation with a stochastic integrated assessment model: Analysis of common agricultural policy measures. *Financial Statistics Journal* 1 (2) DOI:10.24294/fsj.v1i2.913.
- Ermoliev Y, Ermolieva T, Kahil T, Obersteiner M, Gorbachuk V, & Knopov P (2019). Stochastic Optimization Models for Risk-Based Reservoir Management*. *Cybernetics and Systems Analysis* 55 (1): 55-64. DOI:10.1007/s10559-019-00112-z.
- Fernández-Martínez M, Sardans J, Chevallier F, Ciais P, Obersteiner M, Vicca S, Canadell J G, Bastos A, et al. (2019). Global trends in carbon sinks and their relationships with CO₂ and temperature. *Nature Climate Change* 9 (1): 73-79. DOI:10.1038/s41558-018-0367-7.
- Folberth C, Baklanov A, Balkovic J, Skalsky R, Khabarov N, & Obersteiner M (2019). Spatio-temporal downscaling of gridded crop model yield estimates based on machine learning. *Agricultural and Forest Meteorology* 264: 1-15. DOI:10.1016/j.agrformet.2018.09.021.
- Forsell N, Korosuo A, Gusti M, Rüter S, Havlik P, & Obersteiner M (2019). Impact of modelling choices on setting the reference levels for the EU forest carbon sinks: how do different assumptions affect the country-specific forest reference levels? *Carbon Balance and Management* 14 (1): e10. DOI:10.1186/s13021-019-0125-9.
- Fritz S, See L, Carlson T, Haklay M, Oliver JL, Fraisl D, Mondardini R, Brocklehurst M, et al. (2019). Citizen science and the United Nations Sustainable Development Goals. *Nature Sustainability* 2: 922-930. DOI:10.1038/s41893-019-0390-3.
- Jahn M, Gaupp F, & Obersteiner M (2019). Assessing and analysing systemic risks: mapping the topology of risk through time (Chapter 2.1). In: *Global Assessment Report on Disaster Risk Reduction (GAR)*. pp. 37-47 Geneva, Switzerland: United Nations Office for Disaster Risk Reduction (UNDRR). ISBN 978-92-1-004180-5
- Khabarov N, Lubowski R, Krasovskii A, & Obersteiner M (2019). Flobsion—Flexible Option with Benefit Sharing. *International Journal of Financial Studies* 7 (2): p. 22. DOI:10.3390/ijfs7020022.
- Krasovskii A, Khabarov N, Lubowski R, & Obersteiner M (2019). Flexible Options for Greenhouse Gas-Emitting Energy Producer. *Energies* 12 (19): e3792. DOI:10.3390/en12193792.
- Lenzner B, Leclere D, Franklin O, Seebens H, Roura-Pascual N, Obersteiner M, Dullinger S, & Essl F (2019). A Framework for Global Twenty-First Century Scenarios and Models of Biological Invasions. *BioScience* DOI:10.1093/biosci/biz070. (In Press)
- Oberle B, Bringezu S, Hatfield-Dodds S, Hellweg S, Schandl H, Clement J, Cabernard L, Che N, et al. (2019). *Global Resources Outlook 2019: Natural Resources for the Future We Want*. United Nations Environment Programme
- Pastor A, Palazzo A, Havlik P, Biemans H, Wada Y, Obersteiner M, Kabat P, & Ludwig F (2019). The global nexus of food–trade–water sustaining environmental flows by 2050. *Nature Sustainability* DOI:10.1038/s41893-019-0287-1.
- Patrizio P, Leduc S, Kraxner F, Fuß S, Kindermann G, Spokas K, Wetterlund E, Lundgren J, et al. (2019). Killing two birds with one stone: a negative emissions strategy for a soft landing of the US coal sector. In: *Bioenergy with Carbon Capture and Storage*. Eds. Pires, J.C. & da Cunha Goncalves, A.L., pp. 219-236 Academic Press. ISBN 9780128166000.1016/B978-0-12-816229-3.00011-9.
- Peñuelas J, Fernández-Martínez M, Ciais P, Jou D, Piao S, Obersteiner M, Vicca S, Janssens IA, et al. (2019). The bioelements, the elementome, and the biogeochemical niche. *Ecology*: e02652. DOI:10.1002/ecy.2652. (In Press)

- Roe S, Streck C, Obersteiner M, Frank S, Griscom B, Drouet L, Fricko O, Gusti M, et al. (2019). Contribution of the land sector to a 1.5 °C world. *Nature Climate Change* DOI:10.1038/s41558-019-0591-9. (In Press)
- Schmidt-Traub G, Obersteiner M ORCID:, & Mosnier A (2019). Fix the broken food system in three steps. *Nature* 569: 181-183. DOI:10.1038/d41586-019-01420-2.
- Soterroni A, Ramos FM, Mosnier A, Fargione J, Andrade PR, Baumgarten L, Pirker J, Obersteiner M ORCID: <https://orcid.org/0000-0001-6981-2769>, et al. (2019). Expanding the Soy Moratorium to Brazil's Cerrado. *Science Advances* 5 (7): eaav7336. DOI:10.1126/sciadv.aav7336.
- 2018**
- Alexander A. Golub, Sabine Fuss, Ruben Lubowski, Jake Hiller, Nikolay Khabarov, Nicolas Koch, Andrey Krasovskii, Florian Kraxner, Timothy Laing, Michael Obersteiner, Charles Palmer, Pedro Piris-Cabezas, Wolf Heinrich Reuter, Jana Szolgayová, Luca Taschini & Johanna Wehkamp (2018) Escaping the climate policy uncertainty trap: options contracts for REDD+, *Climate Policy*, DOI: 10.1080/14693062.2017.1422478
- Balkovic J, Skalsky R, Folberth C, Khabarov N, Schmidt E, Madaras M, Obersteiner M, & van der Velde M (2018). Impacts and Uncertainties of +2°C of Climate Change and Soil Degradation on European Crop Calorie Supply. *Earth's Future*: 1-55. DOI:10.1002/2017EF000629. (In Press)
- Balkovic J, Skalsky R, Folberth C, Khabarov N, Schmid E, Madaras M, Obersteiner M, & van der Velde M (2018). pan-EU EPIC crop calendar and fertilization data. DOI:10.22022/ESM/02-2018.15104.
- Bleischwitz R, Spataru C, VanDeveer SD, Obersteiner M, van der Voet E, Johnson C, Andrews-Speed P, Boersma T, et al. (2018). Resource nexus perspectives towards the United Nations Sustainable Development Goals. *Nature Sustainability* 1 (12): 737-743. DOI:10.1038/s41893-018-0173-2.
- Byers E, Gidden M, Leclere D, Burek P, Ebi KL, Greve P, Grey D, Havlik P, et al. (2018). Global exposure and vulnerability to multi-sector development and climate change hotspots. *Environmental Research Letters* 13: e055012. DOI:10.1088/1748-9326/aabf45.
- Di Fulvio F, Forsell N, Korosuo A, Obersteiner M, & Hellweg S (2018). Spatially explicit LCA analysis of biodiversity losses due to different bioenergy policies in the European Union. *Science of the Total Environment* DOI:10.1016/j.scitotenv.2018.08.419. (In Press)
- Eker S, Rovenskaya E, Obersteiner M, & Langan S (2018). Practice and perspectives in the validation of resource management models. *Nature Communications* 9 (1): e5359. DOI:10.1038/s41467-018-07811-9.
- Frank S, Beach R, Havlik P, Valin H, Herrero M, Mosnier A, Hasegawa T, Creason J, et al. (2018). Structural change as a key component for agricultural non-CO2 mitigation efforts. *Nature Communications* 9 (1) DOI:10.1038/s41467-018-03489-1.
- Gasser T, Kechiar M, Ciais P, Burke EJ, Kleinen T, Zhu D, Huang Y, Ekici A, Obersteiner M (2018). Path-dependent reductions in CO2 emission budgets caused by permafrost carbon release. *Nature Geoscience* DOI 10.1038/s41561-018-0227-0 [pure.iasa.ac.at/id/eprint/15453]
- Golub A, Fuss S, Lubowski R, Hiller J, Khabarov N, Koch N, Krasovskii A, Kraxner F, et al. (2018). Escaping the climate policy uncertainty trap: options contracts for REDD+. *Climate Policy*: 1-8. DOI:10.1080/14693062.2017.1422478.
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CONFERENCES AND PRESENTATIONS

2019

25th Meeting of the International Resource Panel and its Steering Committee and CONFERENCE: "CIRCULAR ECONOMY IN THE REGION: CONNECTED FOR GROWTH", Bled, Slovenia, 11/5-8/2019

8th meeting of the Steering Committee of NRP 73, Zurich, Switzerland, 10/30/2019

Forging Resilience Deep Demonstration: Exploratory Exchange workshop, Second workshop of the Forging Resilience Deep Demonstration project in Seville. Seville, Spain, 9/28/2019-10/2/2019

Systems Analysis and the Americas. Keynote speaker at the session on: Achieving sustainable land use: Food, Agriculture, Biodiversity, Land, and Energy. Rio de Janeiro, Brazil, 9/5/2019-9/6/2019

High-level reception Abundant Future: Harnessing the Opportunity in Food and Land Use on the eve of the UN Climate Action Summit and includes the launch of FOLU's Global Synthesis Report that will make the economic case for change. New York City, USA, 9/22/2019-9/23/2019

Joint UNEP/IRP and ESCAP Scenario Modelling Meeting. Bangkok, Thailand, 9/18/2019-9/20/2019

11th International Conference on Applied Energy (ICAE2019). To give a keynote speech on 'What do we know about the global negative emissions energy system – 2050+'. Västerås, 8/13/2019

The Achieving Net Zero Conference, Oxford, United Kingdom, 9/9/2019-9/11/2019

Chatham House Workshop: Regional ambition and negative emissions climate diplomacy workshop. London, United Kingdom, 7/4/2019

Sentinel Economic Benefits Study (SEBS) Final Meeting, Frascati, Italy, 7/1/2019-7/3/2019

FOLU's side-event at EAT Forum "Fixing flawed incentives: how business, civil society and policy makers can collaborate to transform food and land use system settings". Stockholm, Sweden, 6/13/2019-6/14/2019

Symposium: Trading for good Agricultural trade in the context of climate change adaptation and mitigation: synergies, obstacles and possible solutions. Seville, Spain, 6/23/2019-6/25/2019

7th Steering Committee Meeting "NRP 73 "Sustainable Economy". Gerzensee, Switzerland, 5/27/2019-5/28/2019

Food, Agriculture, Biodiversity, Land, and Energy (FABLE) Pathways Consortium, The Food and Land-Use Coalition, Fourth meeting of the country teams. Bogota, Colombia, 6/4/2019-6/7/2019

Cambridge Workshop: Gaining consensus on spatial and temporal biodiversity metrics for informed decision-making. Presenting our work on the NatureMap project, specifically the citizen science plant component, the restoration potential and the global priorities for conservation (WP1,2,3)", Cambridge, United Kingdom, 5/20/2019 - 5/24/2019

3rd EAG and final meeting of the Expert Advisory Groupm Vienna, Austria 4/25/2019 - 4/26/2019

OECD Meeting: New Approaches to Economic Challenges (NAEC) conference on New Analytical Tools and Techniques for Economic Policymaking at the OECD. Paris, France, 4/15/2019 - 4/16/2019

Meeting: Exploring Opportunities to Engage China in Reducing Global Deforestation. Washington DC, USA, 4/3/2019 - 4/4/2019

24th Meeting of the International Resource Panel is organized back to back with the fourth session of the UN Environment Assembly (UNEA), Nairobi, Kenya 3/5/2019 - 3/9/2019

Conference: "Scenarios Forum 2019 Forum on Scenarios for Climate and Societal Futures". Denver, USA, 3/11/2019 - 3/13/2019

KSS Project Meeting at NREL. Denver, USA, 3/13/2019 - 3/14/2019

2nd Meeting of the Expert Advisory Group hosted by the GEO Secretariat, Geneva, Switzerland, 2/5/2019 - 2/6/2019

Imbalance-P 5th annual meeting, Barcelona, Spain, 2/11/2019 - 2/15/2019

2018

FWO conference on perfect habitat for our founders of knowledge, Antwerp, Belgium 12/14/2018 - 12/14/2018

Joint-convening by the Earth Institute at Columbia University and UN Environment for a dialogue on the evolving role of environmental knowledge systems (in a changing world), and specifically, the role of contemporary international scientific assessments. New York, NY, USA, 12/6/2018 - 12/7/2018

FABLE Consortium-Third Meeting, Potsdam Germany, 12/3/2018 - 12/6/2018

Meeting on "Bending the curve part 2 Deep Dive - WWF Living Planet Report 2018", Zeist, Netherlands, 11/15/2018 - 11/15/2018

Second Meeting of the Expert Group for the Global Risk Assessment Framework (GRAF), Geneva, Switzerland, 11/7/2018-11/9/2018

GEO Week 2018 - Kyoto, Japan 29.10-2.11, 2018 Organized by the Group on Earth Observations

United Nations Environment Programme (UN Environment) Secretariat of the International Resource Panel (IRP) and the Ministry of the Environment, Japan and Institute for Global Environmental Strategies (IGES): 23rd Meeting of the International Resource Panel in Yokohama, Japan, 23-26 October 2018

2nd World Circular Economy Forum, Yokohama, Japan, 22-23 October 2018

Der Workshop „Ökosysteme und Ökosystemdienstleistungen“, St. Pölten, Austria, 10/12/2018 - 10/12/2018

"A Workshop Series Organized by the CLAND Convergence Institute: 'Emerging challenges in large scale soil carbon sequestration' keynote presentation, Paris, France, 10/8/2018 - 10/10/2018

Chatham House and Stiftung Wissenschaft und Politik (SWP) meeting: Integrating negative emissions into EU climate policy-making "To give a presentation at the session 'Paris-consistent emissions-reduction pathways'. Brussels, Belgium, 9/27/2018 - 9/27/2018

Group on Earth Observations- Initial meeting of expert group, Geneva, Switzerland, 9/6/2018 - 9/7/2018

2018 retreat of the Alpbach Laxenburg Group, entitled "Reconciling Biodiversity Protection and Climate Mitigation Efforts", Tyrol, Austria, 26-28 August 2018

Foresight Workshop "Zukunftsbild Digitales Österreich 2040 - 2050", Krems, Austria, 8/22/2018-8/23/2018

Workshop: Sector analysis based on agri benchmark "Develop model for cooperation Sector analysis based on agri benchmark?", Braunschweig, Germany, 8/20/2018 - 8/21/2018

SmILES Mid-Term Review "Smart Integration of Energy Storages in Local Multi Energy Systems for maximising the Share of Renewables in Europe's Energy Mix (SmILES). Brussels, Belgium, 7/16/2018 - 7/16/2018

IRP-10YFP side event at HLPF and presentation for the session entitled "SCP in the SDGs: Scientific evidence of the critical role of SDG 12 and Resource Efficiency ". New York City, USA, 7/16/2018

KSS Meeting: "Navigating systemic risks and opportunities at the land-water-energy-climate-security nexus", Trento, Italy 7/10/2018 - 7/13/2018

UNISDR- Global Risk Assessment Framework (GRAF) Expert Group Meeting, Geneva, Switzerland, 6/13/2018-6/14/2018

OECD IRP Meeting, Paris, France, 6/11/2018

Meeting: The Role of Industrial Ecology in Reaching the Sustainable Development Goals, Les Diablerets, Switzerland 20-25.5.2018

International Workshop on State of Foresight in the CGIAR, Aberdeen, United Kingdom, 5/9/2018-5/10/2018

Meeting: "Closing event of National Research Programme NRP 68 (Soil as a resource) Steering Committee - Swiss National Science, Bern, Switzerland, 4/27/2018

WBCSD (World Business Council for Sustainable Development) Annual meeting to give a presentation on FABLE in the session: Aligning Retirement Assets with Sustainability, Montreux, Switzerland, 4/18/2018-4/19/2018

Cambridge Conservation Initiative Expert Meeting on Framing the Future for Biodiversity. Cambridge, United Kingdom, 4/10/2018-4/12/2018

IMBALANCEP Workshop econometric time-series and partial equilibrium land use. Vienna, Austria, 4/4/2018-4/5/2018

4th Meeting of the Steering Committee - Swiss National Science Foundation 73 NRP Sustainable Economy - National Research Programme. Geneva, Switzerland, 3/20/2018

Working group to assess Greenhouse Gas Removal technologies - The Royal Society and Royal Academy of Engineering. London, United Kingdom, 3/9/2018

4th IMBALANCE-P Annual Meeting. Lommel, Belgium 2/5/2018-2/9/2018

OECD-IIASA Strategic Partnership on Systems Approaches - Task Force on Systems Thinking, Anticipation and Resilience. Paris, France, 1/31/2018

SPP 1689 workshop Terrestrial CO2 Removal: Potential and Tradeoffs in the SDG Context. Potsdam, Germany, 1/22/2018-1/23/2018

Chatham House & ISU BECCS meeting. London, United Kingdom, 1/19/2018

Conference: Nature Sustainability International forum on "Re-thinking interdisciplinary research for global sustainability". Beijing, China, 1/14/2018-1/16/2018

2017

'First Technical meeting of the Food, Agriculture, Biodiversity, Land, and Energy (FABLE) Initiative' December 6-8, 2017, IIASA, Austria.

Invited Speaker at **'The high-level conference on financing for development and the means of implementation of the 2030 agenda for sustainable development'** in Doha, Qatar November 2017.

Workshop on **'Modelling in support of EU policies'**, presentation on *"Outsourcing vs. insourcing of modelling capacity: finding the right balance"* 26 Oct 2017, Brussels, Belgium.

Conference on **'Forests of Eastern Europe in a Changing World'** at the National University of Life and Environmental Sciences of Ukraine. *"Fuzzy Estimates of Forest Extent and its Potential to Store Carbon"*. 27-30 Sept 2017, Kiev, Ukraine.

'Bending the curve on biodiversity loss: A modelling workshop' at IIASA 26-27th September 2017.

Chair and speaker at the **'Workshop of the International Resource Panel on Upcoming Workstreams and National Dialogue'**: 18 - 19 September 2017 and **'The Ministry of Local Affairs and Environment National Dialogue on National Policy for Natural Resource Management'**: 20 September 2017 in Tunisia.

'AgMIP-IIASA International Workshop: Rapid Assessment of Agriculture in a +1.5°C World'. June 12-14, 2017, IIASA, Austria.

Meeting of the **'New Food and Land-Use (FOLU) Economy coalition'** joined with **'the 4th Annual EAT Stockholm Food Forum'**. 11 June, 2017 Stockholm, Sweden.

'The Forests, Agriculture, Biodiversity, Land, and Energy (FABLE) Project Workshop: Pathways for Sustainable Land Use', April 2017, IIASA, Austria. A project initiated by the International Institute for Applied Systems Analysis (IIASA) and the UN Sustainable

Development Solutions Network (SDSN) and implemented with partners around the world under the umbrella of The World in 2050 Initiative.

Conference on '**How will risk modelling shape the future of risk transfer? Extreme Events and Climate Risk Forum**' - Scientific Seminar. Organized by the SCOR Foundation and the Geneva Association on 9-10 March 2017, Paris, France.

'**3rd IMBALANCE-P Annual Meeting**', "*The SDGs (sustainable development goals) and the C/N/P imbalance.*". 1-3 Feb 2017, Paris, France.

2016

COP22 Low-Emissions Solutions Conference, "*Deep climate mitigation through sustainable agriculture - a modeling perspective*" - 14-16 Nov 2016, Marrakech, Morocco.

FOREWARN group meeting of the humanitarian START network, 2-3 Nov 2016, London, United Kingdom.

ERC Conference 'Frontier Research and Science Diplomacy', "*Phosphorous: a scarce resource between geopolitical disputes and fostering sustainability*", 27-28 Oct, Brussels, Belgium.

CIMMYT50 Celebration and Summit 'Food and nutrition security in changing environments: past, present and future', 26-30 Sept. 2016, Texcoco, Mexico.

Expert Workshop on the IRP's Response to UNEA-2 and Pilot of a Regular IRP Report, 19-20 Sept. 2016, Kassel, Germany.

5th International Sustainable Phosphorus Summit (SPS 2016) in Kunming, "*Governing P within a wider SDG (Sustainable Development Goals) framework*", China, 16-19th August 2016, 16-19 August 2016. Kunming, China.

'**Agrimonde-Terra: Land Use and Global Food Security in 2050**', 24 June 2016, Paris, France.

18th Meeting of International Resource Panel, '*Decoupling socio-economic development from escalating resource use and environmental degradation*'. 6-10 June 2016, Newlands, South Africa.

Green Room Session at the Second United Nations Environment Assembly: Implementing the SDGs: Integrated Natural Resource Management for Healthy People and Planet, Panelist, 27 May 2016, Nairobi, Kenya.

Workshop: What is a 'good enough' Forest Monitoring System? 25 May 2016, Bonn, Germany. co-organized by IIASA (Austria), the National Wildlife Federation and the Federal Ministry for Environment, Nature Conservation, Building a Nuclear Safety (Germany).

UNEA Science-Policy Forum, IRP Session at the UNEP Science-Policy Forum entitled: Sustainable Consumption and Production: Resource Efficiency (SDG Target 12.2), Synergies and Trade-Offs of the SDGs: A Natural Resource Perspective", 19-20 May 2016, Nairobi, Kenya.

BMEL/IASS/SEI SDG Conference in Berlin, speak in the dialogue forum on Resource Efficiency and Planetary Boundaries, 3 May 2016, Berlin, Germany.

Linking climate and biodiversity scenarios and modeling workshop, 7-8 April 2016, Paris, France.

The International Label Conference, *Managing the Complexity of the SDGs*, 18 March 2016, Zell am See, Austria.

Workshop: Planetary Boundaries and Resource Efficiency - A Science Policy Dialogue, *Interlinkages between PBs and Land Use Efficiency – policy relevant results*, 29 February 2016, Potsdam, Germany.

Workshop: Sector analysis based on agri benchmark, *Exploring options to generate national crop production and economic data based on agri benchmark data*, 22-23 February 2016, Mardorf, Germany.

SYMPOSIUM - International Scientific Cooperation for Global Sustainability: 3 Topics, Co---sponsored by International Institute for Applied Systems Analysis (IIASA), the National Academy of Sciences US Committee for IIASA, and the Embassy of Austria, 10-12 February 2016, Washington DC, USA.

Workshop on analyzing and synthesizing existing literature on 'Scenarios and Modelling of Biodiversity and Ecosystem Services' contributing to the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), 25-27 January 2016, Bilthoven, Netherlands

Interlinkages between PBs and Land Use Efficiency – policy relevant results, Workshop: Planetary Boundaries and Resource Efficiency - A Science Policy Dialogue. Potsdam, Germany.

Modelling the potential and benefits of resource efficiency as an input to the IRP report to the G7, IRP Expert's Workshop. Experts' Workshop on the Rapid Assessment on the Prospects and Economic Implications of Resource Efficiency. London, UK, 28-29 January 2016.

2015

Panel Member - From INDCs to 2 degrees, bridging the gaps in mitigation & implementation. COP21 side event. Paris, France
PEOIC2015, International Seminar on Innovative Earth Observation for Society and Policy. Tokyo, Japan.

Transforming the economy while addressing climate change and its links to alleviating (energy) poverty and reducing inequality. Delivering the Sustainable Development Goals in a changing climate. Budapest, Hungary.

Chair of Session - Session 2: Government Policy and Enabling Environment for Improved Social and Environmental Outcomes of Mineral Development. World Resources Forum 2015, 17th Meeting of the International Resource Panel and its Steering Committee and Expert Workshop on the Resource Governance. Davos, Switzerland.

Relationship between Energy Systems and Ecosystems, ICEF 2nd Annual Meeting. Tokyo Japan

Panel Member - Session on BUSINESS: Competitive and favourable business environment – from ideas to breakthroughs: KOLIFORUM 2015, Wealth from the Northern Bioeconomy – Joint Opportunities and Challenges for Business and Wellbeing. Koli, Finland

Conference: Addressing the Resource Interlinkages and Trade-offs in the Sustainable Development Goals – assessment of the International Resource Panel UN High-Level Political Forum on Sustainable Development. New York, USA.

The Land Sector in the context of the SDGs and deep mitigation, 7th Annual Meeting of LCS-RNet, towards an equitable low carbon development: a science policy dialog for COP21. Paris France

Presentation of the results with GLOBIOM-Brazil to the Ministry of Environment of Brazil, REDD-PAC Meeting with Brazilian Ministry of Environment. Brasilia, Brazil

The value of soil information for a more resilient global food system, Global Soil Week 2015. The Global Soil Week, is a collective process and a knowledge platform for sustainable soil management and responsible land governance worldwide. Berlin, Germany

Parallel session L3.2: Climate-smart cropping systems, Climate-smart Agriculture 2015 (CSA2015) Global Science Conference. Montpellier, France

Quantitative assessment of the land-use nexus of the SDGs, Possibilities for indicators on sustainable land management for the Global Land Indicators Initiative, Thematic Workshop at the European Environment Agency. Copenhagen, Denmark

Overview of the REDD-PAC project, methodology and modeling results on future deforestation and related emissions in Congo Rep. REDD-PAC workshop on national deforestation reference level in the Republic of Congo. Brazzaville, Congo

The World of Agriculture Commodities in 2030 (Voices of major global figures on the crisis of the food system), Global Forum for Food and Agriculture (GFFA 2015), Proposal World Bank Working Meeting. Berlin, Germany

2014

CMP7 Cost Benefit Analysis, Final Project Meeting & GEOCARBON GEO Workshop. Paris, France

Existing global modelling initiatives addressing the Nexus of Natural Resources, data, models, methodologies and identified knowledge gaps, Strategic Workshop of the International Resource Panel: The Nexus between Natural Resources. Co-organized by the Ministry of Ecology, Sustainable Development and Energy of France (MEDDE). Paris, France

Science and Capital: Risk Resilience in Food Systems. Lake Como, Italy

Managing the Global Phosphorus cycle for long-run sustainability and food security, SPS 2014 - 4th Sustainable Phosphorus Summit. Montpellier, France

Der Umbau der Energiesysteme wird gelingen - durch uns oder die Natur, Energy Talks Ossiach. Ossiach, Austria
Workshop on Priority Issues for Agricultural Research. Oxford, UK

Evolving observational data needs from mitigation and integrated assessments, Joint GOFC-GOLD/GCOS Workshop on Observations for Climate Change Mitigation. Geneva, Switzerland

The XXIV International Union of Forest Research Organizations (IUFRO) World Congress. Salt Lake City, USA

REDD-PAC: building an integrated land-use model for assessing REDD+ policies, Global Land Project 2nd Open Science Meeting. Berlin, Germany

Towards global long-term scenarios of sustainability in a P-constraint world, Pre-ERC Grant Workshop: Brainstorming Meeting between UMR ECO&SOL, P-IMBALANCE project teams and colleagues on phosphorus imbalance processes. Montpellier, France
2013

Globally consistent national agricultural development assessment using GLOBIOM based on REDD-PAC Results, Roadmaps for transforming agriculture and food systems. New York City, USA

Climate risk management using BECCS, ICA-RUS International Workshop 2013 - Now and Future of Global Climate Risk Management. Tokyo, Japan

REDD-PAC and Deforestation Drivers, COP 19 - 19th session of the Conference of the Parties to the UNFCCC. Warsaw, Poland

Dealing with Complexities of Development: Why are Integrated Approaches Essential? European Forum Alpbach 2013. Alpbach, Austria

Addressing planetary challenges through ecosystem-management - An analysis of major synergies and trade-offs, March 2013 UC Davis Climate-Smart Agriculture Global Science Conference. Davis, USA

2012

Life on Earth: Preserving, Utilizing, and Sustaining our Ecosystems, 97th Annual Meeting of the Ecological Society of America. Portland, USA

2011

Latin America's anticipated contribution to solve the global land use problem - an integrated assessment, GLP workshop on "Land Use Transitions in South America: framing the present, preparing the future towards regional sustainability, Ilhabela, Brazil
"Sustainability Science: Science for moving targets". Biennial Science Forum of the Consultative Group on International Agricultural Research (CGIAR), Beijing, China.

Natural resources and land use: Matching growing demand with limited resources – what are the solutions? Resources unlimited?" – Moving to a resource-efficient economy, Brussels, Belgium

Large-Scale Modelling of Global Food Security and Adaptation under Yield Uncertainty, EAAE congress organized by ETH Zurich. Congress topic: Change and Uncertainty - Challenges for Agriculture, Food and Natural Resources. Zurich, Switzerland.

Forests and land use management, International Workshop on Modeling and Policy of CO2 Removal from the Atmosphere. Venezia, Italy

Global Land Use Modelling and REDD, The Yale Chapter of the International Society of Tropical Foresters' 17th Annual Conference "Communities, Commodities, and Carbon: Innovations in Tropical Forest Management. New Haven, USA

2010

UNFCCC COP 16 in Cancun, Mexico, 2010 - *Contributing to over 10 Side Events e.g. the IIASA side event (Bridging Bioenergy with CCS, REDD+ and Food Security)* - Cancun Messe, Cancun, Mexico

The Prince's Charities' International Sustainability Unit and The Prince's Rainforests Project - Specialists Workshop on "REDD+ Finance and Agriculture: Solutions from the Private Sector". - *REDD+ and Trade - The Economics behind Avoiding Deforestation* - Royal Society, London, United Kingdom

IIASA Expert and Planning Workshop on "Food and Water Systems: Critical Issues, IIASA Research". NWO, Royal Academy of Sciences and Arts, Amsterdam, Netherlands

Expert Workshop on "Economic Models of Land use and Biofuels" organized by The Energy Sustainability Challenge Grant program, British Petroleum (BP), - *The Global Biomass Optimization Model (GLOB/OM)* - Energy Biosciences Institute, Institute for Genomic Biology, University of Illinois and University of California, Berkeley. Urbana, Illinois, USA

Pakistan NMO - IIASA Expert Meeting to discuss Food and Water issues. Pakistan Academy of Sciences, Islamabad, Pakistan
IIASA workshop on "Water Resource Management and Sustainability" in partnership with TIFAC. - *Integrated Global Land Use*

Modeling at I/ASA: Strategies for Water Modeling - TIFAC, New Delhi, India

Resources for the Future (RFF) - Value of Information Workshop - *The value of reducing uncertainty in climate change mitigation policies* - RFF, Washington D.C., USA

Vespucci Initiative Specialist Meeting on Interfacing Social and Environmental Modelling, Villa La Pietra, Florence, Italy

Special experts modeling workshop on "REDD Modeling Criteria" to develop a modeling protocol for REDD activities hosted by the Heinz Center, The H. John Heinz III Center for Science, Economics and the Environment, Washington DC, USA

Intl. Center for Rural and Agricultural Development, Dept. of Environment and Society (CIRAD) Scenario workshop on the future of the African Forest Sector. - *Integrated Modeling for Deforestation Baselines for the Congo Basin* -, Yaunde, Cameroon

First meeting of the Working Group on Knowledge Base on Climate Change Impacts, Vulnerability and Adaptation, a working group to strengthen the science/policy interaction on CC adaptation at EU level and will prepare the work for the implementation of the EU Clearinghouse. - *Whitepaper Development on Adapting to Climate Change, by structuring the key knowledge issues, and steer the work of future Commission's contractors relating to the implementation of Phase 1 of the Clearing house* - European Commission, DG Environment, Brussels, Belgium

The World Bank Sustainable Development Network Forum 2010. *Congo Basin: what drives deforestation?* The World Bank - Africa Region, Washington, DC, USA

Global Biomass Optimization Model (GLOBIUM), "Economic Models of Land use and Biofuels" The Energy Sustainability Challenge Grant program, British Petroleum, University of Illinois and University of California, Berkeley. Urbana, USA

The value of reducing uncertainty in climate change mitigation policies, Value of Information Workshop Resources for the Future. Washington, USA

Geo and Energy, ICAE2010 (International Conference on Applied Energy). Singapore, Singapore

2009

Tortilla versus Greenfuels: Trade-offs and synergies in the Bioeconomy, "BIOFUELS - the burning questions. A debate on the sustainability of European bioenergy policy". Brussels, Belgium

Modeling the impact of infrastructure investment on agriculture, "OECD International Futures Programmes - Forum on Space Economics - 7th Meeting of the Working Group". Theme: Space Technologies and Global Food Supplies: Production, Transportation, Distribution". Paris, France

Modelling of Regional Greenhouse Gas Emissions associated with deforestation in the Congo Basin. COMMISSION CONSULTATIVE DES EXPERTS CEEAC/COMIFAC (Consultative Commission of Experts CEEAC/COMIFAC). Kinshasa, Congo

Costing Scenarios of Global Carbon Observatory Scenarios, Washington, USA

UNFCCC COP 15, Poznan 2009. - *Over 10 Presentations at COP side events and in the EC pavilion, e.g. on CC-TAME, Livestock Economics, Indirect Land-Use Change and Avoiding Deforestation in the Tropics* - UNFCCC, EC, Bella Center, Copenhagen, Denmark

Atelier sur la revue a mi-parcours de l'etude regionale sur la modelisation des futures tendances de deforestation dans le Bassin du Congo (Workshop on the regional study about modeling of future deforestation in the Congo Basin) - *The Interactive Globiom GUI - Interface* - COMIFAC, Douala, Cameroon

BIOFUELS - the burning questions. A debate on the sustainability of European bio energy policy" hosted by the European Parliament. - *Tortilla versus Greenfuels: Trade-offs and synergies in the Bioeconomy* - European Parliament, Brussels, Belgium

OECD International Futures Programmes - Forum on Space Economics - 7th Meeting of the Working Group. Theme: *Space Technologies and Global Food Supplies: Production, Transportation, Distribution*". - *Modeling the impact of infrastructure investment on agriculture* - OECD Headquarters, Paris, France

The Bio-Economy Technology Platforms join forces to address synergies and gaps between their Strategic Research Agendas (BECOTEPS) Workshop - "Non-food Chains". - *Woody biomass availability and specifics, but in light of recent and forthcoming policy developments* - Diegem, Belgium

Global Environmental Change and Food Systems (GESFACS) Synthesis Workshop. **GLOB/OM and Food Security Scenarios** - GESFACS International Project Office, St. Anne's College, Oxford, United Kingdom

Commission Consultative des Experts CEEAC/COMIFAC (Consultative Commission of Experts CEEAC/COMIFAC). - *Presentation of the study "Modelling of Regional Greenhouse Gas Emissions associated with deforestation in the Congo Basin* - Ministry of Environment, Kinshasa, Congo Republic

Meeting with focal points (UNFCCC negotiators) of Central African Forest Commission (COMIFAC) Countries on REDD and the World Bank - Congo Basin Project. - *Project Progress - on the WB-1/ASA Deforestation Baseline Project for the Congo Basin* - UNFCCC Secretariat, Bonn, Germany

GEOSS-TASK Group Meeting. - *Linking CC-TAME and GEOIGEOSS* - Bangkok, Thailand

Environmental Defense Fund (EDF) Meeting. - *Integrated Modeling and Current Environmental Challenges* - EDF, NY/Washington, USA
Global Carbon Project (GCP) Meeting - Going beyond - the I/ASA-FOR Model approach to tackle global problems - Beijing, China

UNFCCC SBSTA Meeting in Bonn, The Bonn Climate Change Talks - June 2009. - *Climate Change and the I/ASA-FOR Modeling Cluster* - Maritim Hotel Bonn, Germany

Roundtable on international support for REDD strategies. - *Financing REDD strategies and the I/ASA approach* - Institut du developpement durable et des relations internationales IDDRI, Paris, France

Feeding a Hot and Hungry Planet - The Challenge of Making More Food and Fewer Greenhouse Gases, April 29-May 1, 2009, Bert G. Kerstetter '66 Ethics and the Environment Lecture Series, the Princeton Environmental Institute (PEI). - *Discussion Panel: Out on the Range - The Dilemma Surrounding More Livestock and Pasture* - Princeton University, Princeton, New Jersey, USA

Expert Meeting on Methodological Issues relating to Reference Emission Levels and Reference Levels. - *REDD Baselines* - UNFCCC Headquarters, Bonn, Germany

European Centre for Medium-Range Weather Forecasts (ECMWF) Director's Meeting - Special Modeling Round Table Discussions - Redding, United Kingdom

First Energy - Meteorology Workshop. - *Consequences of Weather Uncertainty on the Bioenergy Production - The EPIC Model and the EPIC Weather Generator* - Garmisch-Partenkirchen, Germany

Regional workshop on REDD, Kinshasa, 27-30/01/09 - *Forward looking REDD base lines: Methodology for the Congo basin* - , Kinshasa, Congo Republic of

2008

Approaches to global land use modeling / forest-carbon models, "Informal consultation meeting between OECD, EEA and invited technical experts: Linking economic and bio-physical modelling in relation to bioenergy". Paris, France

"Workshop on emission reduction potential comparison bottom-up and top-down approaches for the forestry sector". Utrecht, Netherlands

Economics of Avoiding Deforestation, World Bank Workshop on the Costs of Reducing Carbon Emissions from Deforestation and Forest Degradation. Washington, USA

Food security in Sub-Saharan Africa and biofuels: A quantitative analysis, International Conference "Impact Assessment of Land Use Changes". Berlin, Germany.

Socioeconomic Benefits of Global Earth Observations, the European Association of Remote Sensing Companies "Business Opportunities of GMES". Brussels, Belgium

UNFCCC COP 14, Poznan, 2008. - Providing contributions to more than 10 Side events, e.g. IIASA Side event (*Mitigation in LULUCF sector*); IIASA FOR Side event (*Avoiding REDD hot air*) - Poznan International Fair Ltd., Poznan, Poland

Roundtable on Sustainable Biofuels. - *GLOB/OM for biofuels and global land use* - Roundtable on Sustainable Biofuels (EPFL), University of Sao Paulo, Sao Paulo, Brazil

The Prince's Rainforests Project "REDD-Refining a Path to Success". - *Ecosystem Services from REDD and Avoided Deforestation* - The Prince's Rainforests Project, Kensington Palace, Clarence House, London, United Kingdom

"Climate Change and Bioenergy as the Challenges for Global Food Security", 9 October 2008 - *Climate Change and Bioenergy - their Consequences on the Global Food Security* - Ecosocial Forum Austria, Vienna, Austria

UNFCCC Climate Change Talks in Accra/Ghana. - *I/ASA/GEO-BENE/CC-TAME side event: REDD Policies and Costs* - Accra International Conference Center, Accra, Ghana

Tallberg Forum 2008, Tallberg Foundation Invitation, Tallberg, Sweden

Informal consultation meeting between OECD, EEA and invited technical experts: Linking economic and bio-physical modelling in relation to bioenergy. - *Approaches to global land use modeling forest-carbon models* - OECD Conference Centre, Paris, France

Seminar at the United States Department of Agriculture/Economic Research Service (USDA/ERS). - *Avoided deforestation and biofuel production: A global analysis* - USDA, Washington, DC, USA

World Bank Workshop on The Costs of Reducing Carbon Emissions from Deforestation and Forest Degradation, - *Economics of Avoiding Deforestation* - The World Bank, Washington, DC, USA

Special executive discussion on how the future development of biofuels could be guided to promote sustainable development in both producing and consuming nations. Sustainability Science Program at Harvard University's John F. Kennedy School of Government in cooperation with the Global Bioenergy Partnership. - *Bio fuels at its best? Sustainable biofuel production options* - San Servolo Island, Venice, Italy on May 19 and 20, and hosted by the Venice International University.

The Department of Transport, London, Review of a report commissioned by the UK government on the indirect effects of biofuel production. Report led by the Renewable Fuels Agency: *The IIASA biofuels and bioenergy modeling tools applied* - UK Department for Transport, London, United Kingdom

International Conference "Impact Assessment of Land Use Changes" - *Food security in Sub-Saharan Africa and biofuels: A quantitative analysis* - Humboldt University, Berlin, Germany

European Association of Remote Sensing Companies: Business Opportunities of GMES. - *Socioeconomic Benefits of Global Earth Observations* - Brussels, Belgium

EU-China Workshop on Energy Technology and Climate Change Research. European Commission (DG Environment and DG Energy) with the cooperation of the Ministry of Science and Technology (MoST) in China. - *Bioenergy Potentials and Bioenergy Modeling* - MoST, Ministry of Science and Technology, Guangzhou, China

The American Association for the Advancement of Science (AAAS) 2008 Annual Meeting - *Tortilla Chips vs. Biofuels* - Hynes
Convention Center, Boston, USA

2007

Socioeconomic Benefit Assessment of Global Earth Observations, UN/Austria/ESA Symposium on Space Applications to Support the Plan of Implementation of the World Summit on Sustainable Development: "Space Tools and Solutions for Monitoring the Atmosphere in Support of Sustainable Development", Graz, Austria

Impacts of climate change on European Agriculture to the AGRI FISH Unit of JRC. Ispra, Italy

2006

DIMA-MESSAGE Scenarios, "EMF (Energy Modeling Forum) 22: Climate Policy Scenarios for Stabilization and in Transition".
Tsukuba, Japan

Biofuels - A Strategic Option for the Global Forest Sector? "International Seminar on Energy and the Forest Products Industry".
Rome, Italy

Systems Analysis for Policy, United Nations/Austria/European Space Agency Symposium on Space Applications for Sustainable Development to Support the Plan of Implementation of the World Summit on Sustainable Development. Symposium entitled "Space Tools for Monitoring Air Pollution and Energy Use for Sustainable Development. Graz, Austria.