

Scientific CV / Dr. Florian KRAXNER



Deputy Director | Senior Research Scholar |

Ecosystems Services and Management Program (ESM)

Head |

Center for Landscape Resilience & Management (CLR)

International Institute for Applied Systems Analysis (IIASA)

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<http://www.iiasa.ac.at/esm>

Florian Kraxner has been ESM's Deputy Director since January 2009. He first joined IIASA in 2001 to work on LULUCF and has been coordinator of various projects and tenders (EU/other funders) in the areas of Carbon Sequestration Potentials, Benefits through Global Earth Observation, or Terrestrial Adaptation and Mitigation of Climate Change. Presently, Dr. Kraxner is the scientific coordinator and principal investigator of a large-scale research and capacity building project called RESTORE+ | Assessing Landscape Restoration in Indonesia and Brazil. The project is funded by the German BMUB/IKI (7.2 mio. EUR/2017-2021).

Florian Kraxner is particularly interested in socio-economics of land use and sustainable resources optimization. He inter alia serving on various scientific boards within the framework of Future Earth, IUFRO, or the Asian Resilience Center. Dr. Kraxner is furthermore an official Austrian representative to several forest-related expert groups and teams under the FAO/UN-ECE Timber Committee.

At IIASA/ESM, he is heading the Center for Landscape Resilience & Management (CLR) where - together with his team - he is focusing on biophysical land use and landscape modeling including forestry, agriculture and renewable energy systems optimization. He has been the leader of IIASA's Tropical Futures Initiative (TFI), and his research area includes also forest and landscape restoration, negative emissions technologies (NETs, i.e. BECCS), ecosystems services assessments and related sustainability aspects and safeguards including forest management certification.

Since 2006, Florian Kraxner has also been a visiting researcher with Japan's National Institute for Environmental Studies (NIES) to work on integrated urban-rural development concepts.

Florian Kraxner graduated from the BOKU-University in Vienna, specializing in forestry, mountain risk engineering and watershed management. He holds a PhD in Environmental Sciences from Hokkaido University Sapporo, Japan.

Since 2000, he has further been working in the fields of forest products certification and public opinion on the forest sector, inter-alia for EFI/Innoforce, MCPFE/Forests Europe, and FAO/UN-ECE. As a university lecturer at various international universities, Dr. Kraxner gathered distinctive teaching skills in socio-economics in forestry, forest policy, bioenergy and wild land fires.

Prior to joining IIASA, Dr. Kraxner inter-alia has been coordinating and developing BOKU's International Mountain Forestry Master Course from 1999 - 2004.

Publications

80+ peer-reviewed publications including Nature Climate Change, PNAS, Science Advance, Editor of 4 books and (co-) author with 30+ book chapters, 60+ reports and working papers, etc.

H-factor

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ORCID ID 0000-0003-3832-6236
Journal Service Science, Nature Climate Change, Global Change Biology, Forest Policy and Economics, Ecological Science, Energy Policy, Applied Energy, Environmental Research Letters, Forests, Sustainability, Frontiers, etc.

Scientific Interests

- Sustainable Biomass Feedstock for Bioenergy
- Boreal and Tropical Forest and Landscape Restoration (FLR)
- Bioenergy with Carbon Capture and Storage (BECCS)
- Land-based Negative Emissions Technologies (NETs)
- Sustainability Safeguards for Land Use Modeling
- Certified Forest Products and their Markets
- Forest-related Policies for Environment, Climate Change and Energy
- Forest Governance, Sustainable Forest Management and Innovation
- Public Opinion Research and Socio-Economics of the Forestry Sector
- Avoiding Deforestation and REDD+
- Sustainable (Rural) Development and Natural Resources Management
- Forest Fire Behavior/Fire Management/Fire Fighting

Steering/advisory boards, delegations, memberships, editorials (selected)

- President of the International Boreal Forest Research Association (IBFRA) since 2018
- Scientific Chair, Chair of the Organization Board, Cool Forest/IBFRA18 Conference, 17-20 September 2018, Laxenburg, Austria
- Member of the Steering Committee of the International Boreal Forest Research Association (IBFRA) since 2013
- Scientific Committee Member of the Asian Resilience Center (ARC) since 2018
- Board member of IUFRO's Sustainable Forest biomass Network (SFBN)
- Board member of IEA Bioenergy Task 41 Special Project on Bio-CCUS
- IPBES nominee, Deliverable 4c, Expert Group to develop a guide on and a catalogue of Policy support tools and methodologies
- Core Member of the Steering Board of MaGNET (Managing Global Negative Emissions Technologies) – a GCP activity by the GCP Office Tsukuba, NIES, Japan (<http://www.cger.nies.go.jp/gcp/magnet.html>)
- Member of Eco-Leader Education Committee of Korea University BK21+ ELEC.
- Member of the Editorial Board of the Global Carbon Atlas, a new NON-PROFIT initiative promoted by the Global Carbon Project (GCP) and supported by the BNP Paribas Foundation, in France.
- Austrian Delegate to the UNECE/FAO Team of Specialists on Forest Communication/Communicators Network (FCN), <http://timber.unece.org/> Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
- Austrian Delegate to the UNECE/FAO Team of Specialists on Forest Products, Markets and Marketing (FPM), <http://timber.unece.org/> Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
- Austrian Delegate to the UNECE/FAO Team of Specialists on Forest Sector Outlook, <http://timber.unece.org/> Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management

- Austrian Delegate to the UNECE/FAO Team of Specialists on Wood Energy, <http://timber.unece.org/>
Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
- IIASA Coordinator of Foresight – UK-based Science-Policy Maker Interface Activity,
<http://www.foresight.gov.uk>, Government Office for Science, Department of Innovation,
Universities and Skills, Kingsgate House, 66–74 Victoria Street, London, SW1E 6SW
- IIASA Representative to SCOPE, the Scientific Committee on Problems of the Environment;
established by the International Council for Science (ICSU), <http://www.icsu-scope.org/> SCOPE - 5,
Rue Auguste Vacquerie - 75116 Paris – France
- Member of the Editorial Board of the Journal of Carbon Balance and Management (CBM),
<https://cbmjournals.biomedcentral.com/about/editorial-board>
- Member of the Editorial Board/Associate Editor of the Journal Frontiers in Climate – Negative
Emission Technologies <https://www.frontiersin.org/journals/climate/sections/negative-emission-technologies#>
- Special Issue Editor "Cool Forests at risk? The Critical Role of Boreal and Mountain Ecosystems for
People, Bioeconomy, and Climate", *Forests Journal* (MDPI),
https://www.mdpi.com/journal/forests/special_issues/cool_forest
- Special Issue Editor "Our Future Forests and Their Products—How to Get out of the Woods—Selected
Papers from the IUFRO 125th Anniversary Congress", *Forests Journal* (MDPI),
https://www.mdpi.com/journal/forests/special_issues/IUFRO_2017_future_forests

Professional Career

- 2017 – **Head, Center for Landscape Resilience & Management (CLR)**, at IIASA’s ESM Program
- 2014 – **Deputy Director, Ecosystems Services and Management Program (ESM)**, IIASA
- 2013 – 2017 **Leader, Research Group on Policy-Science Interface (PSI)**
- 2011 – 2013 **Deputy Leader, Ecosystems Services and Management Program (ESM)**, IIASA
- 2009 – 2010 **(Acting) Deputy Leader, Forestry Program (FOR)**, IIASA
- 2004 – **(Senior) Research Scholar, Forestry Program (FOR)**, IIASA
- 2004 – **University Lecturer, Various national and international universities**
- 2005 - 2006 **Consulting - Expert for Higher Education and Master Program Design**
<http://foper.unu.edu/>, <http://foper.dvopivar.com/contacts.htm>
- 2001 – **Consulting - Expert for Certified Forest Products Markets**
- 1996 – **Expert/Consultant/Research Assistant on different forestry related topics**
- 2002 – 2004 **International BOKU Study Programmes Coordinator for Master Programs**

Major Research Project Coordination/Funded Research since 2008 (selected)

- 2017 – Scientific Coordinator, RESTORE+ | Assessing Landscape Restoration in Indonesia and
Brazil (www.restoreplus.org). The project is funded by the German BMUB/IKI.
Total: € 7,200,000
- 2014 – 2018 **Coordinator, IIASA’s Tropical Flagship Initiative (TFI)**
(http://www.iiasa.ac.at/web/home/research/Tropical_Flagship_Initiative1.html)
Bridging Capacity Gaps—Addressing Deforestation from a Landscape Perspective. An
IIASA-founded and funded initiative focusing on the tropical basins of Latin America,
Africa and South-East Asia. IIASA: € 300.000 budget annually

- 2012 – 2015 **IIASA-Coordinator, Principal Investigator and WP (5) Leader, recharge.green** (<http://www.recharge-green.eu>). An Alpine Space Project for “Balancing the Alpine Energy and Nature”: IIASA: € 400.000 budget
- 2011 – 2016 **IIASA-Coordinator, Future Forests Program (Phase II, 2013-2016,** <http://www.slu.se/en/collaborative-centres-and-projects/future-forests/>), Sweden. IIASA: € 450.000 budget
- 2008 – 2011 **Co-Coordinator, Climate Change – Terrestrial Adaptation and Mitigation in Europe (CC-TAME, www.cctame.eu)**, EU FP7 Project; € 4.5 Mio budget;

TOP JOURNAL Peer-Reviewed Publications:

1. Lesiv M, Schepaschenko D, Moltchanova E, Bun R, Dürauer M, Prishchepov AV, Schierhorn F, Estel S, Kuemmerle T, Alcántara C, Kussul N, Shchepashchenko M, Kutovaya O, Martynenko O, Karminov V, Shvidenko A, Havlik P, **Kraxner F**, See L, Fritz S (2018). Spatial distribution of arable and abandoned land across former Soviet Union countries. *NATURE Scientific Data* 5: e180056. DOI:10.1038/sdata.2018.56.
2. 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.aa0166.
3. Obersteiner M, Walsh B, Frank S, Havlik P, Cantele M, Liu J, Palazzo A, Herrero M, Kraxner F, et al. (2016). Assessing the land resource-food price nexus of the Sustainable Development Goals. *SCIENCE Advances* 2 (9): e1501499. DOI:10.1126/sciadv.1501499.
4. Smith, P., Davis, S.J., Creutzig, F., Fuss, S., Rogelj, J., McCollum, D., Krey, V., Grubler, A., Jonas, M., **Kraxner, F.**, Nakicenovic, N., Obersteiner, M. and Rogner, M. (2016) Biophysical and economic limits to negative CO2 emissions. *NATURE Climate Change*, 6 (1). pp. 42-50.
5. Fuss S, Canadell J G, Peters G P, Tavoni M, Andrew R M, Ciais P, Jackson R B, Jones C D, **Kraxner F**, Nakicenovic N, Le Quere C, Raupach M R, Sharifi A, Smith P, Yamagata Y, (2014). Betting on negative emissions. *NATURE Climate Change*, 4(10):850-853 (October 2014) (Published online 21 September 2014)
7. Havlík P, Valin H, Herrero M, Obersteiner M, Schmid E, Rufino MC, Mosnier A, Thornton P, Boettcher, H, Conant RT, Frank S, Fritz S, Fuss S, **Kraxner, F**, Notenbaert, A. (2014). Climate change mitigation through livestock system transitions. *Proceedings of the National Academy of Sciences* www.pnas.org/cgi/doi/10.1073/pnas.1308044111

Peer Reviewed Publications in SCI Indexed Journals (2003-2019)

2019

- Lakyda P, Shvidenko A, Bilous A, Myroniuk V, Matsala M, Zibtsev S, Schepaschenko D, Holiaka D, Vasylyshyn R, Lakyda I, Diachuk P, and **Kraxner F** (2019). Impact of Disturbances on the Carbon Cycle of Forest Ecosystems in Ukrainian Polissya. *Forests* 10 (4): e337. DOI:10.3390/f10040337.
- Mandová H, Patrizio P, Leduc S, Kjærstad J, Wang C, Wetterlund E, **Kraxner F**, & Gale W (2019). Achieving carbon-neutral iron and steelmaking in Europe through the deployment of bioenergy with carbon capture and storage. *Journal of Cleaner Production* 218: 118-129. DOI:10.1016/j.jclepro.2019.01.247.
- Chen J, Gong Y, Wang S, Guan B, Balkovic J, & **Kraxner F** (2019). To burn or retain crop residues on croplands? An integrated analysis of crop residue management in China. *Science of the Total Environment* 662: 141-150. DOI:10.1016/j.scitotenv.2019.01.150.
- Truong AH, Patrizio P, Leduc S, **Kraxner F**, & Ha-Duong M (2019). Reducing emissions of the fast growing Vietnamese coal sector: the chances offered by biomass co-firing. *Journal of Cleaner Production* 215: 1301-1311. DOI:10.1016/j.jclepro.2019.01.065.
- Xylia M, Leduc S, Laurent A-B, Patrizio P, van der Meer Y, **Kraxner F**, & Silveira S (2019). Impact of bus electrification on carbon emissions: the case of Stockholm. *Journal of Cleaner Production* 209: 74-87. DOI:10.1016/j.jclepro.2018.10.085.
- Harahap F, Leduc S, Mesfun S, Khatiwada D, **Kraxner F**, & Silveira S (2019). Opportunities to Optimize the Palm Oil Supply Chain in Sumatra, Indonesia. *Energies* 12: e420. DOI:10.3390/en12030420.

2018

- Patrizio P, Leduc S, **Kraxner F**, Fuß S, Kindermann G, Mesfun S, Spokas K, Mendoza Ponce A, et al. (2018). Reducing US coal emissions can boost employment. *Joule* 2 (12): 2633-2648. DOI:10.1016/j.joule.2018.10.004.
- Mesfun S, Leduc S, Patrizio P, Wetterlund E, Mendoza Ponce A, Lammens T, Staritsky I, Elbersen B, Lundgren J, **Kraxner F** (2018). Spatio-temporal assessment of integrating intermittent electricity in the EU and Western Balkans power sector under ambitious CO₂ emission policies. *Energy* 164: 676-693. DOI:10.1016/j.energy.2018.09.034.
- Mendoza Ponce A, Corona-Núñez R, **Kraxner F**, Leduc S, & Patrizio P (2018). Identifying effects of land use cover changes and climate change on terrestrial ecosystems and carbon stocks in Mexico. *Global Environmental Change* 53: 12-23. DOI:10.1016/j.gloenvcha.2018.08.004.
- Mendoza Ponce A, Corona-Núñez RO, Galicia L, & **Kraxner F** (2018). Identifying hotspots of land use cover change under socioeconomic and climate change scenarios in Mexico. *Ambio* DOI:10.1007/s13280-018-1085-0. (In Press)
- Mandova H, Leduc S, Wang C, Wetterlund E, Patrizio P, Gale W, & **Kraxner F** (2018). Possibilities for CO₂ emission reduction using biomass in European integrated steel plants. *Biomass and Bioenergy* 115: 231-243. DOI:10.1016/j.biombioe.2018.04.021.
- Krasovskii A, Khabarov N, Pirker J, **Kraxner F**, Yowargana P, Schepaschenko D, & Obersteiner M (2018). Modeling Burned Areas in Indonesia: The FLAM Approach. *Forests* 9 (7): e437. DOI:10.3390/f9070437.
- Soterroni A, Mosnier A, Carvalho A, Câmara G, Obersteiner M, Andrade PR, Souza RC, Brock R, Pirker J, **Kraxner F**, Havlík P, Kapos V, zu Ermgassen E, Valin H, Ramos F M (2018). Future environmental and agricultural impacts of Brazil's Forest Code. *Environmental Research Letters* DOI:10.1088/1748-9326/aaccbb.

- Gusti M, Forsell N, Havlik P, Khabarov N, **Kraxner F**, & Obersteiner M (2018). The sensitivity of the costs of reducing emissions from deforestation and degradation (REDD) to future socioeconomic drivers and its implications for mitigation policy design. *Mitigation and Adaptation Strategies for Global Change* DOI:10.1007/s11027-018-9817-9. (In Press)
- Schepaschenko D, Moltchanova E, Shvidenko A, Blyshchyk V, Dmitriev E, Martynenko O, See L, & **Kraxner F** (2018). Improved Estimates of Biomass Expansion Factors for Russian Forests. *Forests* 9 (6): e312. DOI:10.3390/f9060312.
- Bruckman V, Haruthaithanasan M, Miller R, Terada T, Brenner A-K, **Kraxner F**, & Flaspohler D (2018). Sustainable Forest Bioenergy Development Strategies in Indochina: Collaborative Effort to Establish Regional Policies. *Forests* 9 (4): e223. DOI:10.3390/f9040223.
- Lesiv M, Schepaschenko D, Moltchanova E, Bun R, Dürauer M, Prishchepov AV, Schierhorn F, Estel S, Kuemmerle T, Alcántara C, Kussul N, Shchepashchenko M, Kutovaya O, Martynenko O, Karminov V, Shvidenko A, Havlik P, **Kraxner F**, See L, Fritz S (2018). Spatial distribution of arable and abandoned land across former Soviet Union countries. *NATURE Scientific Data* 5: e180056. DOI:10.1038/sdata.2018.56.
- Golub A A, Fuss S, Lubowski R, Hiller J, Khabarov N, Koch N, Krasovskii A, **Kraxner F**, y Laing T, Obersteiner M, Palmer C, Piris-Cabezas P, Reuter W H, Szolgayová J, Taschini L, Wehkamp J, 2018. Escaping the climate policy uncertainty trap: options contracts for REDD+, *Climate Policy*, DOI: 10.1080/14693062.2017.1422478
- Wehkamp J, Pietsch S A, Fuss S, Gusti M, Reuter W H, Koch N, Kindermann G, **Kraxner F**, Accounting for institutional quality in global forest modeling, *Environmental Modelling & Software*, Volume 102, April 2018, Pages 250-259, ISSN 1364-8152, <https://doi.org/10.1016/j.envsoft.2018.01.020>.
- Kraxner F.**, Leduc S., Fuss S., Schepaschenko D. G., Shvidenko A. Z. Sustainable forest-based bioenergy in Eurasia // *Sibirskij Lesnoj Zurnal (Sib. J. For. Sci.)*. 2018. N. 1: (in English with Russian abstract)

2017

- 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.
- Kraxner F.**, Schepaschenko D., Fuss S., Lunnan A., Kindermann G., Aoki K., Duerauer M., Shvidenko A., See L. (2017). Mapping certified forests for sustainable management - A global tool for information improvement through participatory and collaborative mapping. *Forest Policy and Economics* 83 (2017) 10-18.
- Frank S, Havlik P, Soussana J-F, Levesque A, Valin H, Wollenberg E, Kleinwechter U, Fricko O, Gusti M, Herrero M, Smith P, Hasegawa T, **Kraxner F** and Obersteiner M (2017). Reducing greenhouse gas emissions in agriculture without compromising food security? *Environmental Research Letters* 12 (10): e105004. DOI:10.1088/1748-9326/aa8c83.
- Silveira S, Khatiwada D, Leduc S, **Kraxner F**, Venkata BK, Tilvikine V, Gaubye V, Romagnoli F, et al. (2017). Opportunities for bioenergy in the Baltic Sea Region. *Energy Procedia* 128: 157-164. DOI:10.1016/j.egypro.2017.09.036.
- Mesfun S, Sanchez DL, Leduc S, Wetterlund E, Lundgren J, Biberracher M, & **Kraxner F** (2017). Power-to-gas and power-to-liquid for managing renewable electricity intermittency in the Alpine Region. *Renewable Energy* 107: 361-372. DOI:10.1016/j.renene.2017.02.020.
- Fritz S, See L, Perger C, McCallum I, Schill C, Schepaschenko D, Duerauer M, Karner M, Dresel C, Laso-Bayas J-C, Lesiv M, Moorthy I, Salk C F, Danylo O, Sturn, Albrecht F S, You L, **Kraxner F** & Obersteiner M (2017). A global dataset of crowdsourced land cover and land use reference data. *Scientific Data* 4: p. 170075. DOI:10.1038/sdata.2017.75.

- Hoo P, Patrizio P, Leduc S, Hashim H, **Kraxner F**, Tan ST, & Ho WS (2017). Optimal Biomethane Injection into Natural Gas Grid – Biogas from Palm Oil Mill Effluent (POME) in Malaysia. *Energy Procedia* 105: 562-569. DOI:10.1016/j.egypro.2017.03.357.
- Xylia M, Leduc S, Patrizio P, **Kraxner F**, & Silveira S (2017). Locating charging infrastructure for electric buses in Stockholm. *Transportation Research Part C: Emerging Technologies* 78: 183-200. DOI:10.1016/j.trc.2017.03.005.
- Patrizio P, Leduc S, Chinese D, & **Kraxner F** (2017). Internalizing the external costs of biogas supply chains in the Italian energy sector. *Energy* 125: 85-96. DOI:10.1016/j.energy.2017.01.033.
- Schepaschenko D, Shvidenko A, Usoltsev VA, Lakyda P, Luo Y, Vasylyshyn R, Lakyda I, Myklush Y, See L, McCallum I, Fritz S, **Kraxner F**, Obersteiner M (2017). Biomass plot data base. DOI:10.1594/PANGAEA.871465.
- Schepaschenko D, Shvidenko A, Usoltsev VA, Lakyda P, Luo Y, Vasylyshyn R, Lakyda I, Myklush Y, See L, McCallum I, Fritz S, **Kraxner F**, Obersteiner M (2017). A database of forest biomass structure for Eurasia. DOI:10.1594/PANGAEA.871492.
- Kim M, Lee W-K, Choi G-M, Song C, Lim C-H, Moon J, Piao D, **Kraxner F**, Shvidenko A, Forsell N, (2017). Modeling stand-level mortality based on maximum stem number and seasonal temperature. *Forest Ecology and Management* 386: 37-50. DOI:10.1016/j.foreco.2016.12.001.
- Campana PE, Leduc S, Kim M, Olsson A, Zhang J, Liu J, **Kraxner F**, McCallum I, Li H, Yan J (2017). Suitable and optimal locations for implementing photovoltaic water pumping systems for grassland irrigation in China. *Applied Energy* 185 (Part 2): 1879-1889. DOI:10.1016/j.apenergy.2016.01.004.
- Moon J, Lee WK, Song C, Lee SG, Heo SB, Shvidenko A, **Kraxner F**, Lamchin M, Lee E J, Zhu Y, Kim D, Cui G (2017). An introduction to mid-latitude ecotone: sustainability and environmental challenges. *Siberian Journal of Forest Science* 6: 41-51. DOI:10.15372/SJFS20170603.
- Onuchin AA, Shvidenko A, Schepaschenko D, & **Kraxner F** (2017). Transition to Sustainable Forest Management in Russia: theoretical and methodological backgrounds (In Russian). *Siberian Journal of Forest Science* 6: 3-25. DOI:10.15372/SJFS20170601.
- Schepaschenko D, Shvidenko A, Perger C, Dresel C, Fritz S, Lakida PI, Mukhortova LV, Usoltsev VA, et al., and **F Kraxner** (2017). Forest Biomass Observation: Current State and Prospective. *Siberian Journal of Forest Science* (4): 3-11. DOI:10.15372/SJFS20170401.
- Schepaschenko D, Shvidenko A, Usoltsev V, Lakyda P, Luo Y, Vasylyshyn R, Lakyda I, Myklush Y, See L, McCallum I, Fritz S, **Kraxner F**, Obersteiner M (2017). A dataset of forest biomass structure for Eurasia. *Scientific Data* 4: e170070. DOI:10.1038/sdata.2017.70.
- Xylia M, Leduc S, Patrizio P, Silveira S, & **Kraxner F** (2017). Developing a dynamic optimization model for electric bus charging infrastructure. *Transportation Research Procedia* 27: 776-783. DOI:10.1016/j.trpro.2017.12.075.

2016

- Moreira J R, Romeiro V, Fuß S, **Kraxner F**, & Pacca S A (2016). BECCS potential in Brazil: Achieving negative emissions in ethanol and electricity production based on sugar cane bagasse and other residues. *Applied Energy* 179: 55-63. DOI:10.1016/j.apenergy.2016.06.044.
- Camara G, Soterroni A, Ramos F, Carvalho A, Andrade P, Souza RS, Mosnier A, Mant R, **Kraxner F**, et al. (2016). Modelling Land Use Change in Brazil:2000-2050 (*Dataset*). DOI:10.22022/REDD/09-2016.13782.
- Pirker J, Mosnier A, **Kraxner F**, Havlik P, & Obersteiner M (2016). What are the limits to oil palm expansion? *Global Environmental Change* 40: 73-81. DOI:10.1016/j.gloenvcha.2016.06.007.

- Nordström E-M, Forsell N, Lundström A, Korosuo A, Bergh J, Havlik P, **Kraxner F**, Frank S, et al. (2016). Impacts of global climate change mitigation scenarios on forests and harvesting in Sweden. *Canadian Journal of Forest Research* 46 (12): 1427-1438. DOI:10.1139/cjfr-2016-0122.
- Fuss S, Jones CD, **Kraxner F**, Peters GP, Smith P, Tavoni M, van Vuuren DP, Canadell JG, Jackson, R, Milne, J, Moreira, J, Nakicenovic, N, Sharifi, A, Yamagata, Y, 2016. Research priorities for negative emissions. *Environmental Research Letters* 11 (11): p. 115007. DOI:10.1088/1748-9326/11/11/115007.
- Obersteiner M, Walsh B, Frank S, Havlik P, Cantele M, Liu J, Palazzo A, Herrero M, **Kraxner F**, et al. (2016). Assessing the land resource-food price nexus of the Sustainable Development Goals. *SCIENCE Advances* 2 (9): e1501499. DOI:10.1126/sciadv.1501499.
- Hetland J., Yowargana P., Leduc S., **Kraxner F.** (2016). Carbon-negative emissions: Systemic impacts of biomass conversion. A case study on CO2 capture and storage options. *International Journal of Greenhouse Gas Control*. <http://dx.doi.org/10.1016/j.ijggc.2016.03.017>
- Krasovskii A., Khabarov N., Migliavacca M., **Kraxner F.**, Obersteiner M. (2016). Regional aspects of modelling burned areas in Europe. *International Journal of Wildland Fire*, <http://dx.doi.org/10.1071/WF15012>
- Campana P.E., Leduc S., Kim M., Olsson A., Zhang J., Liu J., **Kraxner F.**, McCallum I., Li H., Yan J. (2016). Suitable and optimal locations for implementing photovoltaic water pumping systems for grassland irrigation in China. *Applied Energy*. doi:10.1016/j.apenergy.2016.01.004
- Ma K., Liu J., Balkovič J., Skalský R., Azevedo L.B., **Kraxner F.** (2016). Changes in soil organic carbon stocks of wetlands on China's Zoige plateau from 1980 to 2010. *Ecological Modelling* 327, 18–28. doi:10.1016/j.ecolmodel.2016.01.009
- Kraxner F.**, Aoki K., Kindermann G., Leduc S., Albrecht F., Liu J., Yamagata Y. (2016). Bioenergy and the city – What can urban forests contribute? *Applied Energy* 165, 990–1003. doi:10.1016/j.apenergy.2015.12.121
- Schepaschenko D.G., Shvidenko A.Z., Lesiv M.Y., Ontikov P.V., Shchepashchenko M.V., **Kraxner F.** (2016). Estimation of forest area and its dynamics in Russia based on synthesis of remote sensing products. *Contemporary Problems of Ecology* 8, 811–817. doi:10.1134/S1995425515070136

2015

- Smith P., Davis S.J., Creutzig F., Fuss S., Minx J., Gabrielle B., Kato E., Jackson R.B., Cowie A., Kriegler E., van Vuuren D., Rogelj J., Ciais P., Milne J., Canadell J.P., McCollum D., Krey V., Shrestha G., Friedlingstein P., Gasser T, Grubler A., Heidug W.K., Jonas M., Jones C.D., **Kraxner F.**, Littleton E., Lowe J., Moreira J.R., Nakicenovic N., Obersteiner M., Patwardhan A., Peters G., Rogner M., Rubin E., Sharifi S., Torvanger A., Yamagata Y., Edmonds J. & Yongsung C. (2015). Biophysical and economic limits to negative CO2 emissions. *NATURE Climate Change*. Published online 07 December 2015 doi: 10.1038/nclimate2870.
- Zhang X., Ermolieva T., Balkovic J., Mosnier A., **Kraxner F.**, Liu J. (2015). Recursive cross-entropy downscaling model for spatially explicit future land uses: A case study of the Heihe River Basin, *Physics and Chemistry of the Earth*, Parts A/B/C, Volumes 89–90, 2015, Pages 56-64, ISSN 1474-7065, <http://dx.doi.org/10.1016/j.pce.2015.05.007>.
- Walsh, B.J., Rydzak F., Palazzo P., **Kraxner F.**, Herrero M., Schenk P.M., Ciais P., Janssens I.A., Peñuelas J., Niederl-Schmidinger, A., Obersteiner M. (2015). New feed sources key to ambitious climate targets. *Carbon Balance and Management* (2015) 10:26. Doi. 10.1186/s13021-015-0040-7
- Elia Campana P, Leduc S, Kim M, Liu J, **Kraxner F**, McCallum I, Li H, Yan J (2015). Optimal grassland locations for sustainable photovoltaic water pumping systems in China. *Energy Procedia*, 75:301-307 (August 2015, published online 28 August 2015)

- Fuss S, Havlik P, Szolgayova J, Schmid E, Reuter WH, Khabarov N, Obersteiner M, Ermolieva T, Ermoliev Y, **Kraxner F** (2015). Global food security & adaptation under crop yield volatility. *Technological Forecasting and Social Change*, 98:223-233 (September 2015, published online 29 April 2015)
- See L, Fritz S, Perger C, Schill C, McCallum I, Schepaschenko D, Duerauer M, Sturn T, Karne M, **Kraxner F**, Obersteiner M (2015). Harnessing the power of volunteers, the internet and Google Earth to collect and validate global spatial information using Geo-Wiki. *Technological Forecasting and Social Change*, 98:324-335 (September 2015, published online 6 April 2015)
- Patrizio P, Leduc S, Chinese D, Dotzauer E, **Kraxner F** (2015). Biomethane as transport fuel - A comparison with other biogas utilization pathways in northern Italy. *Applied Energy*, 157:25-34 (November 2015, published online 8 August 2015)
- Schepaschenko D, See L, Lesiv M, McCallum I, Fritz S, Salk C, Perger C, Shvidenko A, Albrecht F, **Kraxner F**, Duerauer M, Obersteiner M. (2015). Development of a global hybrid forest mask through the synergy of remote sensing, crowdsourcing and FAO statistics. *Remote Sensing of Environment*, 162:208-220 (June 2015) (Published online 13 March 2015)
- Fritz S, See L, McCallum I, Bun A, Moltchanova E, Duerauer M, Perger C, Havlik P, Mosnier A, Schepaschenko D, van der Velde M, Dunwoody A, **Kraxner F**, Obersteiner M. (2015). Mapping global cropland field size. *Global Change Biology*, 21: 1980–1992. doi:10.1111/gcb.12838 (Published online 16 January 2015)
- Ermolieva TY, Ermoliev YM, Havlik P, Mosnier A, Leclere D, **Kraxner F**, Khabarov N, Obersteiner M. (2015). Systems analysis of robust strategic decisions to plan secure food, energy, and water provision based on the stochastic GLOBIOM model. *Cybernetics and Systems Analysis*, 51(1):125-133 (January 2015). Translated from Kibernetika i Sistemnyi Analiz, No. 1, January-February, 2015, pp. 144-154
- See L, Fritz S, You L, Ramankutty N, Herrero M, Justice C, Becker-Reshef I, Thornton P, Erb K, Gong P, Tang H, van der Velde M, Ericksen P, McCallum I, **Kraxner F**, Obersteiner M. (2015). Improved global cropland data as an essential ingredient for food security. *Global Food Security*, 4:37-45 (March 2015) (Published online 27 October 2014)
- Mukhortova L, Schepaschenko D, Shvidenko A, McCallum I, **Kraxner F**. (2015). Soil contribution to carbon budget of Russian forests. *Agricultural and Forestry Meteorology*, 200:97-108 (15 January 2015) (Published online 10 October 2014)
- 2014**
- Kraxner F**, Leduc S, Fuss S, Aoki K, Kindermann G, Yamagata Y. (2014). Energy resilient solutions for Japan - a BECCS case study. *Energy Procedia*, 61:2791-2796 (2014) (Published online 12 January 2015)
- Kraxner F.**, Aoki K, Leduc S, Kindermann G, Fuss S, Yang J, Yamagata Y. BECCS in South Korea – Analyzing the negative emissions potential of bioenergy as a mitigation tool. *Renewable Energy* 2012; <http://dx.doi.org/10.1016/j.renene.2012.09.064>
- See L, Schepaschenko D, Lesiv M, McCallum I, Fritz S, Perger C, Vakolyuk M, Schepaschenko M, van der Velde M, **Kraxner F**, Obersteiner M. (2014). Building a hybrid land cover map with crowdsourcing and geographically weighted regression. *SPRS Journal of Photogrammetry and Remote Sensing*, 103:48-56 (May 2015) (Published online 19 July 2014)
- Fuss S, Canadell J G, Peters G P, Tavoni M, Andrew R M, Ciais P, Jackson R B, Jones C D, **Kraxner F**, Nakicenovic N, Le Quere C, Raupach M R, Sharifi A, Smith P, Yamagata Y, (2014). Betting on negative emissions. *NATURE Climate Change*, 4(10):850-853 (October 2014) (Published online 21 September 2014)

Havlík P, Valin H, Herrero M, Obersteiner M, Schmid E, Rufino MC, Mosnier A, Thornton P, Boettcher, H, Conant RT, Frank S, Fritz S, Fuss S, **Kraxner, F**, Notenbaert, A. (2014). Climate change mitigation through livestock system transitions. *Proceedings of the National Academy of Sciences* www.pnas.org/cgi/doi/10.1073/pnas.1308044111

2013

See L, McCallum I, Fritz S, Perger C, **Kraxner F**, Obersteiner M, Deka Baruah U, Mili N, Ram Kalita N, Mapping cropland in Ethiopia using crowdsourcing, *International Journal of Geosciences*, 4(6):6-13 (August 2013)

See L., Comber A., Salk C., Fritz S., van der Velde M., Perger C., Schill C., McCallum I., **Kraxner F.**, Obersteiner M. (2013) Comparing the Quality of Crowdsourced Data Contributed by Expert and Non-Experts. *PLoS ONE* 8(7): e69958. doi:10.1371/journal.pone.0069958

Svadlenak-Gomez K., Badura M., **Kraxner F.**, Fuss S., Vettorato D., Walzer C. (2013). Valuing Alpine ecosystems: the recharge.green project will help decision-makers to reconcile renewable energy production and biodiversity conservation in the Alps; *eco.mont Journal on Protected Mountain Areas Research* 05/2013; DOI:10.1553/ecomont-5-1s59 LGB.

Kraxner, F., Nordström, E.-M., Obersteiner, M., Havlík, P., Gusti, M., Mosnier, A., Frank, S., Valin, H., Fritz, S., McCallum, I., Kindermann, G., See, L., Fuss, S., Khabarov, N., Böttcher, H., Aoki, K. and Máthé, L. (2013), Global bioenergy scenarios - Future forest development, land-use implications and trade-offs. *Biomass and Bioenergy* (2013), <http://dx.doi.org/10.1016/j.biombioe.2013.02.003>

2012

Kraxner, F., Aoki K, Leduc S, Kindermann G, Fuss S, Yang J, Yamagata Y. BECCS in South Korea – Analyzing the negative emissions potential of bioenergy as a mitigation tool. *Renewable Energy* 2012; <http://dx.doi.org/10.1016/j.renene.2012.09.064>

Zang CF, Liu J, van der Velde M, **Kraxner F** (2012). Assessment of spatial and temporal patterns of green and blue water flows under natural conditions in inland river basins in Northwest China, *Hydrology and Earth System Sciences*, 16(8):2859-2870 (21 August 2012)

Zhou L, Wang S, Kindermann G, Yu G, Huang M, Mickler R, **Kraxner F**, Shi H, Gong Y (2012): Carbon Dynamics in Woody Biomass of Forest Ecosystem in China with Forest Management Practices under Future Climate Change and Rising CO₂ Concentration, *Hydrology and Earth System Sciences*, 16(8):2859-2870, *Chin. Geogra. Sci. 2013 Vol. 23 No. 5 pp. 519–536, Springer Science Press*, doi: 10.1007/s11769-013-0622-9

Franklin O, Moltchanova E, **Kraxner, F**, Seidl R, Böttcher H, Rokityansky D, Obersteiner M (2012). Large-scale forest modeling: Deducing stand density from inventory data. *International Journal of Forestry Research*, 2012:934974 (2012).

2011

Havlík, P., Schneider, A.U., Schmid, E., Böttcher, H., Fritz, S., Skalský, R., Aoki, K., de Cara, S., Kindermann, G., **Kraxner, F.**, Leduc, S., McCallum, I., Mosnier, A, Sauer, T., Obersteiner, M. (2011). Global land-use implications of first and second generation biofuel targets. *Energy Policy* 39, 5690–5702. doi:10.1016/j.enpol.2010.03.030

2010

McCallum I., Fritz S., Schill C., Perger C., Achard F., Grillmayer R., Koch B., **Kraxner F.**, Obersteiner M., Quinten M. (2010): Geo-Wiki.org: Harnessing the power of volunteers, the internet and Google Earth to collect and validate global spatial information. Original Article, IEEE Committee on Earth

Observation (ICEO), *Earthzine, Fostering Earth Observation and Global Awareness*, www.earthzine.org, 02/2010.

2009

Obersteiner M, Huettner M, **Kraxner F**, McCallum I, Aoki K, Böttcher H, Fritz S, Gusti M, Havlik P, Kindermann G, Rametsteiner E, Reyers B (2009) : On fair, effective and efficient REDD mechanism design. *Carbon Balance and Management*, 4:11 [2009], “HIGHLY ACCESSED”;

Schepaschenko, D., McCallum, I., Shvidenko, A., Fritz, S., Kraxner, F., Obersteiner, M. (2009): A new hybrid land cover dataset for Russia: a methodology for integrating statistics, remote sensing and in-situ information. *Journal of Land-Use Science and Policy*, 6, 245–259.
doi:10.1080/1747423X.2010.511681

Böttcher, H., Eisbrenner, K., Fritz, S., Kindermann, G., **Kraxner, F.**, McCallum, I., Obersteiner, M. (2009): An assessment of monitoring requirements and costs of Reduced Emissions from Deforestation and Degradation. *Carbon Balance and Management*. 4:7 [2009], “HIGHLY ACCESSED”;

Fritz, S., McCallum, I., Schill, C., Perger, C., Grillmayer, R., Achard, F., **Kraxner, F.**, Obersteiner, M. Geo-Wiki.Org: The Use of Crowdsourcing to Improve Global Land Cover. *Remote Sensing*. 2009, 1, 345-354.

Kraxner, F., Yang, J., Yamagata, Y. (2009): Attitudes towards forest, biomass and certification – A case study approach to integrate public opinion in Japan. *Bioresource Technology*, 100 (2009): 4058-4061.

2007

Kraxner F. and Y. Yamagata (2007): Biomass for Bioenergy – An Austrian Real Case Compared to the Biomass for Bioenergy Environment in Japan. (In Japanese Language). *The Japanese Quarterly Journal for Bioenergy*. 32 (4): 12-15.

Rokityanskiy, D., P.C. Benítez, **F. Kraxner**, I. McCallum, M. Obersteiner, E. Rametsteiner and Y. Yamagata (2007): Geographically explicit global modeling of land-use change, carbon sequestration, and biomass supply. *Technological Forecasting & Social Change* (Special Issue: Greenhouse Gases – Integrated Assessment), 74(7): 1057-1082.

2006

Obersteiner M., G. Alexandrov, Pablo C. Benítez, I. McCallum, **F. Kraxner**, K. Riahi, D. Rokityanskiy, Y. Yamagata (2006): Global Supply of Biomass for Energy and Carbon Sequestration from Afforestation/Reforestation Activities, *Mitigation and Adaptation Strategies for Global Change*, 11(5-6):1003-1021.

2003

Kraxner F., Nilsson S., Obersteiner M. (2003): Negative Emissions from BioEnergy Use, Carbon Capture and Sequestration (BECS): The Case of Biomass Production by Sustainable Forest Management from Semi-natural Temperate Forests. *Biomass and Bioenergy*, 24(4-5):285-296.

Books, Editorships (peer-reviewed)

Westholm E., Beland Lindahl K. and **F. Kraxner** (Eds.) 2015: The Future Use of Nordic Forests – A Global Perspective. *Springer International Publishing Switzerland* 2015, XXI, 169 p., ISBN 978-3-319-14217-3, DOI 10.1007/978-3-319-14218-0.

Kraxner F. and S. Leduc (Eds). 2015. Modeling and visualization of optimal locations for renewable energy production in the Alpine Space with a special focus on selected pilot areas. WP5 Report, **International Institute for Applied Systems Analysis. recharge.green Alpine Space Project**. ISBN 978-3-7045-0150-9. Available at: <http://www.recharge-green.eu>

Kraxner F. and S. Leduc (Eds). 2015. Recommendations and lessons learned for a renewable energy strategy in the Alps. WP5 Report, **International Institute for Applied Systems Analysis. recharge.green Alpine Space Project**. ISBN 978-3-7045-0151-6. Available at: <http://www.recharge-green.eu>

Rametsteiner E. and **F. Kraxner** (2003): Europeans and Their Forests. What Do Europeans Think About Forests and Sustainable Forest Management? A Review of Representative Public Opinion Surveys in Europe. **Ministerial Conference on the Protection of Forests in Europe (MCPFE, now Forest Europe)**, available at: http://www.foresteurope.org/documentos/LU_Europeans_Forest.pdf

Rametsteiner E. and **F. Kraxner** (2003): Europeans and Their Forests. What Do Europeans Think About Forests and Sustainable Forest Management? A Review of Representative Public Opinion Surveys in Europe. **Ministerial Conference on the Protection of Forests in Europe (MCPFE, now Forest Europe)**, available at: http://www.foresteurope.org/documentos/LU_Europeans_Forest.pdf

Book Chapters, Articles in Books (peer-reviewed)

Kraxner F., Fuss S., Verkerk P. J. (2017) Is there enough forest biomass available to meet the demands of the forest-based bioeconomy? pp53-66. Chapter 3.1 in: Georg Winkel (ed). Towards a sustainable European forest-based bioeconomy – assessment and the way forward. Critical Issues. **What Science Can Tell Us 8**. European Forest Institute. p162. ISBN 978-952-5980-41-7 (printed). ISBN 978-952-5980-42-4 (pdf).

Obersteiner M, Balkovic J, Böttcher H, Bouma J, Fritz S, Fuss S, Havlik P, Heumesser C, Hochrainer S, Jantke K, Khabarov N, Koch B, **Kraxner F**, Kuik O J, Leduc S, Liu J, Lucht W, McCallum I, Mechler R, Moltchanova E, Reyers B, Rydzak F, Schill C, Schleupner C, Schmid E, Schneider U A, Scholes R J, See L, Skalský R, Smirnov A, Szolgayova J, Tarasovičová Z, Yang H (2017). The Value of Global Earth Observations. In: **Satellite Earth Observations and Their Impact on Society and Policy**. Eds. Onoda, M. & Young, O.R., pp. 137-142 Singapore: Springer. ISBN 978-981-10-3713-9 DOI:10.1007/978-981-10-3713-9_12.

Kraxner F., Leduc S., Serrano León H., Fuss S., Patrizio P., Yowargana P. (2016). Expanding renewable energy within the Alpine ecological network. In: (Eds. G. Plassmann, PK Walzer, Y. Kohler, M. Badura and C. Walzer) Alpine Nature 2030 - Concepts for the next generation - from protected areas to an ecological continuum. Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB), Berlin, Germany (In press).

See L., Fritz S., Perger C., Schill C., Albrecht F., McCallum I., Schepaschenko D., Velde M., **Kraxner F.**, Baruah U.D., Saikia A., Singh K., de-Miguel S., Hazarika R., Sarkar A., Marcarini A.A., Baruah M., Sahariah D., Changkakati T., Obersteiner M. (2016). Mapping Human Impact Using Crowdsourcing, in: Carver, J.S., Fritz, S. (Eds.), Mapping Wilderness: Concepts, Techniques and Applications. **Springer Netherlands**, Dordrecht, pp. 89–101.

Kraxner F., Leduc S., and H. Serrano León. 2015. Alpine Space model. Chapter 01 in: Modeling and visualization of optimal locations for renewable energy production in the Alpine Space with a special focus on selected pilot areas. WP5 Report. Kraxner F and S. Leduc, **International Institute for Applied Systems Analysis (Eds). recharge.green Alpine Space Project**. ISBN 978-3-7045-0150-9. Available at: <http://www.recharge-green.eu>

Kraxner F., Leduc S., and H. Serrano León. 2015. Recommendations/lessons learned at the Alpine level. Chapter 01 in: Recommendations and lessons learned for a renewable energy

- strategy in the Alps. WP5 Report. Kraxner F and S. Leduc, **International Institute for Applied Systems Analysis (Eds). recharge.green Alpine Space Project**. ISBN 978-3-7045-0151-6. Available at: <http://www.recharge-green.eu>
- Fernholz K., **Kraxner F.**, Novoselov I., Oliver R., Tissari J. (2015): Chapter 2, Policies Shaping Forest Products Markets, In: UNECE/FAO Forest Products Annual Market Review, 2014-2015, Geneva Timber and Forest Study Paper 39, ECE/TIM/SP/39. United Nations, New York and Geneva 2015, **United Nations Publications**, ISBN 978-92-1-117097-9, pp.11-23.
- Kraxner F.**, Fuss S., Krey V., Best D., Leduc S., Kindermann G., Yamagata Y., Schepaschenko D., Shvidenko A., Aoki K., Yan J. The role of bioenergy with carbon capture and storage (BECCS) for climate policy. V. 3. P. 1466-1483. In: Yan J (Ed) 2015, The Handbook of Clean Energy Systems. **John Wiley & Sons, Ltd.**
- Leduc S., Kindermann G., Forsell N., **Kraxner F.** Bioenergy potential from forest biomass. Vol. 1. P. 35-48. In: Yan J (Ed) 2015, The Handbook of Clean Energy Systems. **John Wiley & Sons, Ltd.**
- Schepaschenko D., **Kraxner F.**, See L., Fuss S., McCallum I., Fritz S., Perger C., Shvidenko A., Kindermann G., Frank S., Tum M., Schmid E., Balkovic J., Günther K. Global biomass information: from data generation to application. Vol. 1. Pp. 11-33. In: Yan J (Ed) 2015, The Handbook of Clean Energy Systems. **John Wiley & Sons, Ltd.**
- See L., **Kraxner F.**, Fuss S., Perger C., Schill C., Aoki K., Leduc S., McCallum I., Forsell N., Fritz S. The potential of crowdsourcing for the renewable energy sector. V.1. P. 721-735. In: Yan J (Ed) 2015, The Handbook of Clean Energy Systems. **John Wiley & Sons, Ltd.**
- Kraxner F.** and E.-M. Nordström (2015): Bioenergy Futures: A Global Outlook on the Implications of Land Use for Forest-Based Feedstock Production. Chapter 5 in: Westholm E., Beland Lindahl K. and **F. Kraxner** (Eds.) 2015: The Future Use of Nordic Forests – A Global Perspective. **Springer International Publishing Switzerland 2015**, XXI, 169 p., ISBN 978-3-319-14217-3, DOI 10.1007/978-3-319-14218-0.
- Beland Lindahl K., Westholm E. and **F. Kraxner** (2015): Nordic Forest Futures – An Introduction. Chapter 1 in: Westholm E., Beland Lindahl K. and **F. Kraxner** (Eds.) 2015: The Future Use of Nordic Forests – A Global Perspective. **Springer International Publishing Switzerland 2015**, XXI, 169 p., ISBN 978-3-319-14217-3, DOI 10.1007/978-3-319-14218-0.
- Fernholz K., Ehnstrand K., **Kraxner F.**, Novoselov I., Tissari J., Oliver R. (2014): Policies Shaping Forest Products Market. In: UNECE/FAO Forest Products Annual Market Review, 2013-2014, Geneva Timber and Forest Study Paper 36, ECE/TIM/SP/36. United Nations, New York and Geneva 2014, **United Nations Publications**, ISBN 978-92-1-117081-8, pp.11-21.
- Fritz S, McCallum I, Williams M, **Kraxner F.**, Obersteiner M, Global Earth Observation System of Systems (GEOSS). In **Encyclopedia of Remote Sensing**, E.G. Njoku (Ed.), Springer-Verlag, New York, USA (15 March 2014), ISBN:978-0-387-36699-9
- Fernholz K., **Kraxner F.**, Novoselov I., Resch H., Tissari J. (2013): How policies, market-based tools and the green economy influence forest products markets. In: UNECE/FAO Forest Products Annual Market Review, 2012-2013, Geneva Timber and Forest Study Paper 33, ECE/TIM/SP/33. United Nations, New York and Geneva 2013, **United Nations Publications**, ISBN forthcoming, pp.13-22.
- Fernholz K., **Kraxner F.** (2012): Certified Forest Products Markets, 2011-2012. In: UNECE/FAO Forest Products Annual Market Review, 2011-2012, Geneva Timber and Forest Study Paper 30, ECE/TIM/SP/30. United Nations, New York and Geneva 2012, **United Nations Publications**, ISBN 978-92-1-117064-1, pp.107-116.
- Yamagata Y., **Kraxner F.**, Aoki K. (2010): Forest biomass for regional energy supply in Austria. Chapter 5.1 in: Designing Our Future: Perspectives on Bioproduction, Ecosystems and Humanity. Mitsuru Osaki, Ademola Braimoh and Kenichi Nakagami (Eds). **Sustainability Science 4**, ISBN 978-92-808-1183-4, 425p, April 2010.

- Obersteiner M., Rametsteiner E., **Kraxner F.**, McCallum I., Aoki K., Boettcher H., Fritz S., Gusti M., Havlik P., Kindermann G., Reyers B. (2009): Towards a sound REDD – ensuring globally consistent reference scenarios and safeguarding sustainability co- benefits. In: Deforestation and Climate Change: Reducing Carbon Emissions from Deforestation and Forest Degradation. V. Bosetti and R. Lubowski (Eds). **Fondazione Eni Enrico Mattei (FEEM)**, Italy, 2009, Cheltenham, UK ; Northampton, MA : Edward Elgar, c2010. ISBN: 9781848448247 (hbk.); 1848448244 (hbk.)
- Oliver R., **Kraxner F.** (2009): Concern for climate change and illegal logging creates new challenges for forest certification: Certified forest products markets, 2008-2009. Geneva Timber and Forest Study Paper 24, ECE/TIM/SP/24, **UNECE/FAO Publications**, available at: http://timber.unece.org/fileadmin/DAM/publications/Final_FPAMR2009.pdf
- Obersteiner M., **Kraxner F.**, et al. (2009): Avoiding REDD Hot Air. The IIASA Proposal - revised. In: The Little REDD+ Book, An updated guide to governmental and non-governmental proposals for reducing emissions from deforestation and degradation, **The Global Canopy Program** (GCP, Eds.). Available at: <http://www.globalcanopy.org>
- Fritz S., McCallum I., Williams M., **Kraxner F.**, Obersteiner M. (2009): Global Earth Observation System of Systems (GEOSS). In: Encyclopedia of Remote Sensing, E. Njoku (ed.), **Springer US**, New York, USA.
- Obersteiner M., **Kraxner F.**, et al. (2008): Avoiding REDD Hot Air. The IIASA Proposal. In: The Little REDD Book, **The Global Canopy Program** (GCP, Eds.). Available at: http://www.elaw.org/system/files/lrb_en.pdf
- Kraxner F.**, Mater C. and T. Owari (2008): Green building drives construction market and forest certification: Certified forest products markets, 2007-2008. Geneva Timber and Forest Study Paper 23, ECE/TIM/SP/23, **UNECE/FAO Publications**, available at: www.unece.org/timber/docs/fpama/2008/fpamr2008.htm
- Kraxner F.**, Mater C. and T. Owari (2007): Biomass for energy and plantations – new certification driver: Certified forest products markets, 2006-2007. UNECE/FAO Publications. Geneva Timber and Forest. Study Paper 22, **UNECE/FAO Publications**, available at: www.unece.org/trade/timber/docs/fpama/2007/fpamr2007.htm
- Kraxner F.** and Obersteiner, M. (2007). Aspekte einer globalen und nachhaltigen Biokraftstoffproduktion (Aspects of a global and sustainable biofuels production). In: econsense. Forum Nachhaltige Entwicklung der Deutschen Wirtschaft e.V. (Eds.). Klimafaktor Biokraftstoff. Experten zur Nachhaltigkeitszertifizierung. **Schriftenreihe zu Nachhaltigkeit und CSR**. Band 1. (In German Language). Berlin, Germany pp. 19-28, 125p. ISBN: 978-3-9811786-0-9.
- Kraxner F.**, Hansen E. and T. Owari (2006): Public procurement policies driving certification: Certified forest products markets, 2005-2006. Chapter 10 in: UNECE/FAO Forest Products Annual Market Review. 2005 – 2006. **UNECE/FAO Publications**. Timber Bulletin Volume LVIII (2006), No.3. <http://www.unece.org/trade/timber/tc-publ.htm>
- Kraxner F.** and E. Rametsteiner (2005): Western Europe certifies 50%, and North America 30%, of their forests: Certified forest products markets, 2004-2005. Chapter 9 in: UNECE/FAO Forest Products Annual Market Review. 2004 – 2005. **UNECE/FAO Publications**. Timber Bulletin Volume LVIII (2005), No.3., United Nations Publication, ISSN 0259-4323, <http://www.unece.org/trade/timber/tc-publ.htm>
- Kraxner F.** and E. Rametsteiner (2004): Public Procurement Policies Boost Demand. Chapter 9 in: UNECE/FAO Forest Products Annual Market Review. 2003 – 2004. **UNECE/FAO Publications**. Timber Bulletin Volume LVII (2004), No.3. <http://www.unece.org/trade/timber/tc-publ.htm>
- Rametsteiner E. and **F. Kraxner** (2003): Markets for Certified Forest Products. Chapter 9 in: UNECE/FAO Forest Products Annual Markets Analysis. 2002 – 2003. **UNECE/FAO Publications**. Timber Bulletin. Volume LVI (2003), No.3. <http://www.unece.org/trade/timber/tc-publ.htm>

Rametsteiner E. and **F. Kraxner** (2002): Markets for Certified Forest Products. Chapter 9 in: UNECE/FAO Forest Products Annual Markets Analysis. 2001 – 2002. **UNECE/FAO Publications**. Timber Bulletin. Volume LV (2002), No.3. <http://www.unece.org/trade/timber/tc-publ.htm>

Rametsteiner E. and **F. Kraxner** (2001): Markets for Certified Forest Products. Chapter 9 in: UNECE/FAO Forest Products Annual Markets Analysis. 2000 – 2001. **UNECE/FAO Publications**. Timber Bulletin. Volume LIV (2001), No.3. <http://www.unece.org/trade/timber/tc-publ.htm>

Other Publications / Reports / Media

Câmara G, Ramos F, Soterroni A, Cartaxo R, Andrade P, Buurman M, Affonso A, Espíndola G, **Kraxner F**, et al. (2016). Using Models to inform Policies that meet multiple Objectives. Assessing the Contribution of Brazil's Forest Code to Biodiversity Conservation. INPE, IPEA, IIASA, UNEP-WCMC

Mant R, Garcia-Rangel S, Tadoum M, Nchoutpouen C, Tonga P, Makoudjou A, Bokelo Bile D, Ndinga RG, **Kraxner F**, et al. (2016). Using models to inform policies to meet multiple objectives. Sustainable development, climate change mitigation and biodiversity conservation in Central Africa. UNEP-WCMC, IIASA, COMIFAC

Bruckman VJ, Haruthaithanasan M, **Kraxner F**, Miller R, Darabant A, Choumnit G, Thongmanivong S, Ko Ko Gyi M, et al. (2016). ACMECS Bioenergy 2015. Three Years of Effort Towards a Regional Bioenergy Network. **Commission for Interdisciplinary Ecological Studies (KIOES)**. Austrian Academy of Sciences AAS.

Selected Invited Lectures and Paper Presentations (2011 – 2018)

2018

- Invited lecture: Kraxner et al., 2018: Tropical Restoration - Cutting Edge Methodologies and R+ Status-Quo. Indonesia Pavilion Side Event: Innovations on Citizen Participation to Support Forest, Landscape and Peatland Restoration. Sub-event. United Nations (UNFCCC) International Climate Conference (COP 24), 3-14 December 2018, Katowice, Poland.
- Key note: Kraxner et al., 2018: Sustainable Biomass Supply in the Mid-Latitude Region. Asian Resilience Center Conference 2018 - Resilience and New Leadership in the World, 27-28 November, Seoul, Korea.
- Invited lectures: 1) Kraxner et al., 2018: Cool Forests at Risk. 2) Schepaschenko and Kraxner et al., 2018: Afforestation of abandoned agricultural land as a climate mitigation and adaptation option. IBFRA science-policy workshop in conjunction with the June 2018 Boreal Ministerial Summit 24-26 June 2018, Haparanda, Sweden.
- Invited lecture: Kraxner et al., (2018): Locating Sustainable BECCS. CCS Forum 2018, 4-8 June 2018, Cetraro, Calabria, Italy.
- Invited talk: Schepaschenko and Kraxner et al., 2018: Afforestation and Restoration for Negative Emissions. Environmental Defense Fund (EDF) Forestry Carbon Workshop, 30-31 May 2018, New York, USA.
- Invited lecture: Kraxner et al., 2018: Sustainability Constrains on Biomass Resources Significantly Limit BECCS Negative Emissions Potential. International Conference on CO2 Emissions, 22-24 May 2018, Gothenburg, Sweden.
- Invited panel participation: Bio-CCS – capture and storage of biogenic CO2. Long-term storage safety and needed retention time. Resources/conflicts and synergies/sustainability. Public perception. Financing. Moderators: Stuart Haszeldine and Filip Johnsson, Panelists: Sally Benson, Jasmin Kemper, Florian Kraxner, Anders Lyngfelt, Mike Monea, Kristin Myskja, Jennifer Wilcox. May 22, 2018, Gothenburg, Sweden.

- Key note: Kraxner et al., 2018: A Combined Restoration and Certification Strategy for Sustainable Bioenergy. Biomass and Bioenergy Conference – BBC BRAZIL 2018, 10-13 April, Sorocaba, Sao Paulo, Brazil.

2017

- Invited lecture: Kraxner et al. 2017: Negative Emissions in South East Asia: Renewable energy optimization with BECCS for Indonesia. CO2 Summit III Conference, 22-26 May 2017, Cetraro, Italy.
- Invited lecture: Kraxner et al. 2017: R+: Mapping certified forests for SFM -a global online tool. UNECE/FAO Forest Communicators' Network - Annual Meeting, 29 May-2 June 2017, Malaga, Spain.
- Panel Participation: Kraxner et al. 2017: RESTORE+. IIASA-IUCN Side Event on R+ at UNFCCC SBSTA Bonn (Global Climate Negotiations): Contribution of Forest landscape Restoration to NDCs. 17 May 2017, Bonn, Germany.
- Invited Lecture: Florian Kraxner et al. 2017: Lessons learned from tropical, mid-latitude (and boreal?) zones. Network for Enhanced Ecosystem Services (NEES) - 1st Workshop. 26-28 June 2017, Berlin, Germany.
- Invited lecture: Kraxner et al. 2017: Sustainable forest management in the Mid-Latitude Region – a visualization case study based on forest certification mapping. International Conference on Forests Of Eastern Europe In A Changing World, 28-29 September 2017, National University of Life and Environmental Sciences of Ukraine (NULESU), Ukraine.
- Invited lecture: Kraxner et al. 2017: Renewable Energy Systems and the Environment. International Clean Energy Talent (iCET) Program, 16-17 October 2017, School of Business, Society and Engineering, Mälardalens University, Sweden.
- Invited lecture: Kraxner et al. 2017: Sustainability and the Mid-Latitude. Sustainability and the Mid-Latitude. Korea University Side Event at Korea Pavilion 13 November, Bonn Zone, COP23. Bonn, Germany.
- Invited lecture: Kraxner et al. 2017: Sustainable biomass and tropical restoration. ESP9 Ecosystem Services Partnership - 9th Conference. 11-15 December 2017, Shenzhen, China.
- Invited lecture: Kraxner et al. 2017: Landscape Restoration in Indonesia and Brazil. Global Landscapes Forum, 19-20 December 2017, Bonn, Germany.

2016

- Kraxner et al. (2016): From global biomass to the tropics. Invited lecture held at the “Bali Clean Energy Forum” (BCEF), 10-12 February 2016, Bali, Indonesia.
- Kraxner et al. (2016): IIASA and KU's EU-project approach for an international mid-latitude R&D network. Invited key note held at the 3rd OJERI Symposium. Invited keynote held at the “Systems Analysis Approach to Climate Change Adaptation and Mitigation for Mid-Latitude Ecotone in connection with EU-Horizon 2020 Strategies” symposium hosted by OJEONG Eco-Resilience Institute, 16-17 March 2016, Seoul, Korea.
- Kraxner et al. (2016): Sustainable forest-based bioenergy in Eurasia. Invited lecture held at the “International Energy Workshop 2016” (IEW), 01-03 June, Cork, Ireland.
- Kraxner et al. (2016): Background - Theme for International Day of Forest 2017. Invited key note held at the “UN-FAO-ECE Forest Communicators Network Meeting 2017” (FCN), 29 August - 01 September 2016, Portland, Oregon, USA.
- Kraxner et al. (2016): Modeling Sustainable Bioenergy Potentials for Eurasia. Invited lecture held at the Workshop 'Forest of Northern Eurasia and Global Change', 10 August 2016, Krasnoyarsk, Russia.
- Kraxner et al. (2016): The energy - land nexus in Indonesia - how to balance renewable energy and ecosystems services protection. Invited lecture at the “Global Landscape Program - Open Science Meeting 2016” (GLP-OSM), 24- 27 October 2016, Beijing, China.

- Kraxner et al. (2016): Negative Emissions and the Mid-latitude Ecotone. Invited lecture provided at the “4th OJERI Symposium on Mid-Latitude Ecotone”, 24-25 November 2016, Seoul, Republic of Korea.
- Kraxner et al. (2016): IIASA, the Food-Energy-Water Nexus and the Mid-Lat Ecotone. Key note presented at the “UN-OSD Expert Group Meeting on Achieving the Sustainable Development Goals with Water-Food-Ecosystem Resilience in the Mid-Latitude Region” (MLR), 28 – 29 November 2016 Seoul, Republic of Korea.

2015

- Florian Kraxner (2015): Future trend of bioenergy and its standardization in Asia and Europe. Invited keynote held at 3rd ACMECS Bioenergy Workshop (Ayeyawady-chao Phraya-Mekong Economic Cooperation Strategy between the following countries: Bioenergy Workshop - Cambodia, Laos, Myanmar, Thailand, and Vietnam). Future Development of ACMECS Bioenergy: Regional Plan and Standardization. 8-11 December, Ubon Ratchathani, Thailand.
- Florian Kraxner (2015): From Classic BECCS to Modern Negative Emissions. European Carbon Negative Conference, BELLONA, 9 November 2015, Brussels, Belgium.
- Florian Kraxner (2015): The Global View – Aspects of an Integrated Approach. Presentation held at the IIASA side event: No North without South - No South without North. IIASA Side Event, 10 September 2015, 12:45-14:15, HALL 4D, XIV World Forest Congress, Forests and People: Investing in a Sustainable Future, 7-11 September 2015, Durban South Africa
- Florian Kraxner, Sylvain Leduc, Sabine Fuss, Ping Yowargana, Dmitry Schepaschenko, Georg Kindermann, Stephan Pietsch, Jens Hetland (2015): Driving clean energy access and green economy with the help of forest-based bioenergy with CCS (BECCS): A case study on Indonesia. WFC2015 Sub-Theme 4, Dialogue 4. Innovation in energy, financial markets and investments in forest and land, XIV World Forest Congress, Forests and People: Investing in a Sustainable Future, 7-11 September 2015, Durban South Africa.
- Florian Kraxner, Karin Beland Lindahl, Erik Westholm (2015): The Future Use of Nordic Forests - A Global Perspective. Invited book-launch lecture at a Mini Session, Future Forests Booth, 9 September 2015, XIV World Forest Congress, Forests and People: Investing in a Sustainable Future, 7-11 September 2015, Durban South Africa.
- Florian Kraxner (2015): How will Megatrends Influence Forests? Invited lecture provided at the Future Forest Side Event, 8. September 2015, XIV World Forest Congress, Forests and People: Investing in a Sustainable Future, 7-11 September 2015, Durban South Africa.
- Florian Kraxner (2015): From Global Biomass Issues to the Japanese situation. Invited lecture held on 2nd September 2015 at the Global Carbon Project (GCP) – Tsukuba Office, MaGNET - Workshop on Negative Emissions: Bridging Societal and Mitigation Needs. 2 - 5 September 2015, Sapporo, Hokkaido, Japan.
- Florian Kraxner (2015): From Global to Local Planning of BECCS. Invited lecture held on 3rd September 2015 at the Global Carbon Project (GCP) – Tsukuba Office, MaGNET - Workshop on Negative Emissions: Bridging Societal and Mitigation Needs. 2 - 5 September 2015, Sapporo, Hokkaido, Japan.
- Florian Kraxner (2015): Reconciliation of top -down versus bottom-up modeling in the renewable energy sector. Invited keynote held at the 2nd Asian Energy Modeling Workshop on Climate Change and Sustainability, Energy Studies Institute, National University of Singapore, 23-24 July, Singapore
- Florian Kraxner, Sylvain Leduc, Ping Yowargana, Dmitry Schchepaschchenko, Sabine Fuss, Petr Havlik , Aline Mosnier (2015): Negative emissions - interactions with other mitigation options: a bottom-up methodology for Indonesia. Poster presentation in the frame work of the 9 July 2015 Session “Negative emissions for climate change stabilization & the role of CO₂ geological storage”, hosted by MCC, CO₂-GeoNet, IIASA, and GCP. Our Common Future under Climate Change – Conference, 7-10 July 2015, Paris, France.

- Florian Kraxner (2015): Modeling Bioenergy with Carbon Capture and Storage - A Scenario Assessment for Indonesia. Presentation held at the 8th Trondheim Conference on CO2 Capture, Transport and Storage (TCCS-8). 16-18 June, Trondheim, Norway.
- Florian Kraxner (2015): What's the scenario? Towards renewable and sustainable energy production in the Alps: spatially explicit modelling of production and protection. Keynote held at the recharge.green side event at the reenweek2015, 5 June 2015, Representation of the European Region Tyrol-South Tyrol-Trentino, Brussels, Belgium.
- Kraxner et al. (2015): Optimizing renewable energy systems in the Alpine space – balancing production and protection. Invited talk provided at the International Final Conference of the recharge.green Project, 20-21 May 2015, Sonthofen, Germany.
- Florian Kraxner (2015): Forest management certification - application of a new tool for certification mapping to the boreal forest. Paper presented at the 17th International Boreal Forest Research Association (IBFRA) Conference 2015. 25-29 May 2015, Rovaniemi, Finland.
- Florian Kraxner, Karin Beland Lindahl, Erik Westholm (2015): The Future Use of Nordic Forests - A Global Perspective. Invited book-launch at the 17th International Boreal Forest Research Association (IBFRA) Conference 2015. 25-29 May 2015, Rovaniemi, Finland.
- Florian Kraxner (2015): The International Institute for Applied Systems Analysis (IIASA) and the Bioeconomy. Invited lecture at the FAO-UNECE Forest Communicators Network & the IUFRO Communications and Public Relations Working Party “Communicating the vital role of forests in the bioeconomy”, 21-23 May, Barcelona, Spain.
- Florian Kraxner (2015): IIASA's possible role in 'Mid-Latitude R/D Network'. Invited lecture at 1st OJERI Symposium entitled “Resilience Thinking in a Changing World”, hosted by Ojeong Eco-Resilience Institute. 7-8 May 2015, Seoul, Korea.
- Florian Kraxner, Ping Yowargana, Aline Mosnier (2015): Land use Modeling under IIASA's Tropical Futures Initiative (TFI). Tropical Futures Initiative stakeholder workshops in Jambi and East Kalimantan, 7-14 April 2015, Jambi, Indonesia.
- Florian Kraxner (2015): Policy Support Modeling - National consistent global land use modeling at IIASA-ESM. Invited lecture at the COST Workshop - forestry modeling for integrated policy. 9-11 March. Cascais, Portugal.
- Florian Kraxner, Kentaro Aoki, Georg Kindermann, Y. Yamagata (2015): Balancing renewable energies and ecosystem services at different scales in the European Alps – possible lessons to learned for Japan. Invited lecture at the Global Carbon Project (GCP) – Tsukuba Office Workshop “Bridging between Urban and Regional Ecosystems while considering Negative Emissions” at the Toyota High-level Symposium on Sustainable Cities, 15-16 January 2015, Toyota City, Aichi, Japan.

2014

- Kraxner et al. (2014): IIASA's ESM and its multi-scale ecosystem services research. International Seminar for Celebrating MOU between IIASA and KU. Building bridges through Policy and Science of Climate Change Adaptation and ecosystem Services. 27. Oct. 2014, Korea University, Seoul, Korea.
- Kraxner F., Fuss S., Leduc S., Kindermann G., Schepaschenko D., Shvidenko A., Yamagata Y., Yowargana P., Wicaksono A., Aoki K., Best D., Heidug W. et al. (2014): Managing impacts of scale and sustainability in a BECCS context. Session D: Bio-energy With Carbon Capture and Storage (BECCS). The 4th International Conference on Biomass Energy Technologies—8th World Bioenergy Symposium (ICBT-WBS 2014), October, 17-19 2014, Changsha, China.
- Florian Kraxner, Dmitry Schepaschenko, Sabine Fuss, Kentaro Aoki, Sylvain Leduc, Georg Kindermann, Anatoly Shvidenko (2014): Global Forest Management Certification – Future Development Potentials. Presentation held under the topic “Forests and Forest Production for a Greener Future”, in the session “Contributions of Business and Marketing to a Greener Future”. The 2014 International Union of Forestry Research Organizations (IUFRO) World Congress, 5-11 October 2014, Salt Lake City, Utah, USA.

- Florian Kraxner, Sabine Fuss, Kentaro Aoki, Sylvain Leduc, Georg Kindermann (2014): Principles Of BECCS - Regional And National Case Studies – Assessing The Potentials. Presentation held under the topic “Forest Biomass and Energy”, in the session “Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus”, organized by IIASA. The 2014 International Union of Forestry Research Organizations (IUFRO) World Congress, 5-11 October 2014, Salt Lake City, Utah, USA.
- Florian Kraxner, Michael Obersteiner (2014): Forests and the 3 Rio Conventions - Making the connections. Presentation held on 7 October 2014 at Session A-27B (26(B): International to Local Forest Governance: Taking Stock of Theories, Methodologies and Findings. The 2014 International Union of Forestry Research Organizations (IUFRO) World Congress, 5-11 October 2014, Salt Lake City, Utah, USA.
- Kraxner F., Schepaschenko D., Fuss S., Lunnan A., Kindermann G., Aoki K., Shvidenko A. (2014): Where is our Certified Forest? Application of a New Tool for Certification Mapping to the Boreal Forest. All-Russian Scientific Conference on “Forest Biogeocenoses of the Boreal Zone: Geography, Structure, Functions and Dynamics”, 16-19 September 2014, Krasnoyarsk, Russia.
- Kraxner et al. (2014): Future agriculture and land use – an overview of global ecological, social and economic drivers and trends. Challenges and opportunities for Sweden? Future Agriculture: Interdisciplinary research in practice - exploring future agriculture and land use. 15 September 2014, Linköping, Sweden.
- Kraxner et al. (2014): IIASA’s Tropical Flagship Initiative. The ninth ASEAN Science and Technology Week (ASTW 2014). 18-27 August 2014, Bogor, West Java, Indonesia.
- Kraxner F., Fuss S., Leduc S., Kindermann G., Kwang I.T., Aoki K., Yamagata Y., et al. (2014): Negative Emissions – BECCS – Case Studies from Europe, Indonesia, Japan and South Korea. EU-Korea Conference on Science and Technology EKC2014, 22-25 July 2014, Vienna, Austria.
- Kraxner F., Fuss S., Leduc S., Kindermann G., Yamagata Y. (2014): From Sustainable Bioenergy to Negative Emissions – BECCS. International Workshop on Sustainable Energy. The Applied Energy Innovation Institute and the University of Nottingham China. 5 June 2014, International Conference Center, Ningbo, China.
- Florian Kraxner, Sylvain Leduc, Sabine Fuss (2014): Bioenergy Production and Ecosystem Services Conservation in the Alps. 33rd International Energy Workshop (IEW), 4-6 June 2014, Beijing, China
- Florian Kraxner, Kentaro Aoki, Sylvain Leduc, Yoshiki Yamagata (2014): Energy resilient solutions for Japan – a BECCS case study. International Conference on Applied Energy (ICAE2014). National Taiwan University of Science and Technology (NTUST), 30 May - 2 June 2014, Taipei City, Taiwan
- Florian Kraxner (2014): The IIASA Integrated Modeling Cluster – Global and Regional Applications. 13. GCP SSC Meeting. 27-29 May 2014, Seoul, Korea.
- Kraxner F. et al. (2014): The International Institute for Applied Systems Analysis (IIASA) in the Context of Integrated Modeling of Ecosystems and Land Use Change. Future Forests Project, Researcher Meeting. 13-15 January 2014, Uppsala, Sweden.

2013

- Invited key note lecture: Kraxner et al. (2013): Globally consistent land use analysis at national and regional level - The IIASA Model Cluster and Case Study Examples. FORSYS 2013, Decision support systems for Sustainable Forest Management, 24-26 April, Umeå, Sweden.
- Invited key note lecture: Kraxner et al. (2013): CO2 capture and storage from bioenergy plants – possibilities for efficient CO2 reduction. Reconciling top-down and bottom-up: Regional and national BECCS case studies. Nordic-Baltic Bioenergy Conference, Energy for the Future. 21-22 May, Oslo, Norway.
- Invited lecture: Kraxner et al. (2013): The REDD+BECCS connection, assessing global potentials and sustainability. IEA-IIASA-USP workshop on Bioenergy and CCS (BECCS): Options for Brazil. 12-14 June 2013, Sao Paulo, Brazil.

- Invited key not lecture: Kraxner et al. (2013): Global and regional deployment of Biomass & CCS - BECCS. Applied Energy Expert Forum. 11-13 July, Guizhou and Chongqing, China.
- Invited key note lecture: Kraxner et al. (2013): A geographically explicit analysis of BECCS potential in Indonesia. The 2nd Workshop on Bioenergy, CCS and BECCS "Enhancing Carbon Emission Reduction through Bioenergy and Carbon Capture & Storage". 24 August 2013, Jakarta, Indonesia.
- Invited lecture: Kraxner et al. (2013): Achieving zero net deforestation and concurring goals in bioenergy and biodiversity conservation. MCC Forestry Workshop. Reconceiving Forest Governance: The Example of the German Forest. 21 October 2013, Berlin, Germany.
- Invited lecture: Kraxner et al. (2013): Multiple objectives and interaction with other (land-based) emission reduction options. GCP-IIASA-MCC-NIES workshop on "Sustainable Negative Emissions: A Climate Risk Management Option?". 6-7 December 2013, Tokyo, Japan.

2012

- Providing 2 invited presentations at the Joint FAO/UNECE Working Party on Forest Statistics, Economics and Management, Thirty-fourth session 26-30 March (Forestry and Timber Section, Palais des Nations, Geneva, Switzerland), representing the UNECE Forest Communicators Network Team of Specialists (FCN-ToS). 1) Results of the self-evaluation of UNECE/FA FCN-ToS; 2) FCN activities in 2011 and plans for 2012
- Providing 2 invited presentations at the official Kick-Off Meeting for the China/ESM Collaboration Project on "Grey Water Footprint and Water Scarcity Assessment", School of Nature Conservation, Beijing Forestry University (China). 1) Overview on IIASA and its collaboration with China/NSFC; 2) IIASA's GLOBIOM Model in the water context.
- Invited presentation at the UNECE/FAO - "Stream Lining Forest Based Reporting Workshop" on REDD Baselines - country level information based on the ESM Integrated Modeling Cluster/REDD-PAC; August 2012, Jacksonville, Florida, USA.
- Co-Organization and presentation of an invited paper at the IEA-IIASA Workshop on Biomass and Carbon Capture and Storage (BECCS) in Indonesia, hosted by the Indonesian government (MEMR, UKP4), the IIASA NMO of Indonesia, IEA and IIASA; Presentation on: BECCS in Indonesia; 20-21 September 2012, Jakarta, Indonesia.
- Providing an invited presentation at the REDD-PAC side event organized and hosted by WCMC (REDD-PAC partner) at COP 11 UNCBD on "REDD-PAC and Biodiversity"; 9-12 October, Hyderabad International Convention Center HICC, India.
- Organization of and delivering a presentation at the REDD-PAC Side Event on REDD+BECCS, DOHA, COP 18, titled "REDD Experiences from the ICI project REDD-PAC"; The REDD-PAC side event has been co-organized by IIASA, IEA, and the Indonesian REDD+ Task Force. December 2012, Doha, Qatar.

2011

- BECCS in Europe and Asia, UNECE/FAO Forest Communicators Team of Specialists Annual Meeting 2011, Budapest, Hungary
- BECCS in South Korea – An Analysis of Negative Emissions Potential for Bioenergy as a Mitigation Tool, World Renewable Energy Congress (WREC) 2011, Linköping, Sweden
- Innovation Spread in Austria's Bioenergy Sector – A Qualitative Spatiotemporal Analysis, Third International Conference on Applied Energy (ICAE2011), Perugia, Italy
- Bioenergy Innovation in Central Europe - A Spatiotemporal Policy Analysis, Pre-IUFRO/UNECE conference for forest products marketing, Oregon State University, Oregon Wood innovation Center, Corvallis, Oregon, USA
- Responsible Global Integrated Forest Management Strategies, International Conference on Response of Forests and Adaptation Management to Climate Change (Session Chair), Yichun, China
- Forest-based Bioenergy in the Eurasian Context, 15th International Boreal Forest Research Association –Conference (IBFRA), Krasnoyarsk, Russia

- Future Forests - understanding processes shaping future forest use. An overview of ecological, social and economic drivers and trends, invited seminar speaker for Future Forests Program by SLU: Forests in a changing World - integrating values, interests and trade-offs, Jokkmock, Sweden
- Global shifts of land use: Natural resources and the future, invited seminar speaker for the Future Agriculture Program by SLU: livestock, crops and land use, Uppsala, Sweden
- Forest-based feed stocks - a global outlook, invited seminar speaker at Norwegian University of Life Sciences, Oslo, Norway
- BECCS in Japan - An Analysis of Negative Emissions Potential for Bioenergy as a Mitigation Tool, Second international workshop on biomass & carbon capture and storage, Cardiff, Wales, UK
- Future Scenarios for Global Forest Development, Invited speaker at the International FORMATH Forum 2011, Forest Resource Management and Mathematical Modeling, GRIPS, Tokyo, Japan