

## CURRICULUM VITAE (CV)

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### Academic training:

<b>Date (from - to)</b>	<b>Institution</b>	<b>Title or diploma obtained</b>
September 2017 – ongoing	KU Leuven (Belgium)	PhD candidate: “The role of tree crops in contemporary deforestation and forest restoration dynamics”
August 2010 – Sept. 2012	AgroParisTech/ENGREF (France) and University of Eastern Finland (Finland)	Master in European Forestry
September 2006– June 2010	University of Natural Resources (BOKU), Vienna, Austria	Bachelor in Management of Natural Resources

### Project references:

<b>Period</b>	<b>Name of project funder/coordinator</b>	<b>Pays</b>	<b>Summary of activities performed</b>
June 2018 – ongoing	IKI/BMUB, Referee : Michael Huettner Tel. +4930338424292 michael.huettner@programmhuero-klima.de	Indonesia	<b>RESTORE+ Project – Operationalize FLR pledges</b> <ul style="list-style-type: none"> <li>• Forest growth modelling across restoration options and ecoregions using the BGC-MAN model</li> <li>• Provision of baseline data for FLR benefits in terms of carbon, nutrient and water cycles</li> </ul>
November 2017 – June 2018	World Bank, MINEPDED Cameroon Referee: René Siwe (rene.siwe@gmail.com)	Cameroon (South-East regions)	<b>Southern Cameroon REDD+ project ER-PD</b> <ul style="list-style-type: none"> <li>• Reference emission level according to FCPF methodological framework including sensitivity analysis using Monte Carlo techniques</li> <li>• Impact assessment of strategic options for REDD+</li> </ul>
October 2016 – October 2017	CIFOR Referee: Pablo Pacheco (P.Pacheco@cgiar.org)	Indonesia	<b>Assessing the impact of companies’ zero-deforestation policies and countries’ FLR pledges</b>

			<ul style="list-style-type: none"> <li>• Baseline data compilation for palm oil sector in Indonesia: suitability map, yield model, land reserves</li> <li>• Review of countries' forest landscape restoration (FLR) pledges and carbon impacts</li> </ul>
January – August 2017	World Bank, MINEPDED Cameroon Referee: René Siwe (rene.siwe@gmail.com)	Cameroon (all regions)	<b>REDD+ support study</b> <ul style="list-style-type: none"> <li>• Analysis of drivers of deforestation on national level</li> <li>• Reference emission level for submission to UNFCCC according to FCPC methodological framework</li> <li>• Definition of strategic options for REDD+</li> </ul>
October 2015 (Phase I) and September 2017 (Phase II)	LTS International/EFI Referee: james.acworth@gmail.com Tillem-Burlace@ltsi.co.uk thomas.sembres@efi.int	Cameroon (South-West region)	<b>Spatial Planning for Sustainable Land Use Planning</b> <ul style="list-style-type: none"> <li>• High-resolution palm oil potential mapping</li> <li>• Calculation of transport costs for key commodities (“First mile” problem)</li> </ul>
October 2013 – May 2016	IKI/BMUB, Referee : Michael Huettner Tel. +4930338424292 michael.huettner@programm-buero-klima.de	Cameroon, Congo Rep., DRC, Brazil	<b>REDD+ Policy Assessment Center (REDD-PAC)</b> <ul style="list-style-type: none"> <li>• Spatial and statistical analyses and preparation of operational land use model input data</li> <li>• Day-to-day project management, incl. financial reporting</li> </ul>
November 2015 – March 2016	IFAD Referee : Alessandra Garbero a.garbero@ifad.org	Ethiopia	<b>Monitoring and Policy Scenarios in the smallholder agriculture sector</b> <ul style="list-style-type: none"> <li>• Modeling of transport costs for agricultural commodities</li> <li>• Scenarios: impact of national roads construction plans on agricultural transport costs</li> </ul>
September 2014 – February 2017	IKI/BMUB Referee: Michael Huettner Tel. +4930338424292 michael.huettner@programm-buero-klima.de	Brazil, Peru	<b>Unlocking Forest Finance (UFF) – Design of a “forest bonds” for sustainable agriculture</b> <ul style="list-style-type: none"> <li>• Coordination of the environmental project work stream</li> <li>• Evaluation of environmental &amp; climate risks associated to investment</li> </ul>
January – February 2013	Private client; Referee: Alexander Horst Alexander.horst@bundesforste.at	Austria (East), Slovakia	<b>Study on wood mobilization in Central Europe</b> <ul style="list-style-type: none"> <li>• Analysis of potential to mobilize softwood in Eastern Austria</li> </ul>

<p>February 2012 – September 2012 (Master’s thesis) ; Sept. 2012 – March 2013 ; Aug-Sept 2013</p>	<p>Bundesforste Consulting/ WWF Austria</p> <p>Referee : Alexander Horst Alexander.horst@bundesforste.at</p> <p>Kathrin Hebel Kathrin.Hebel@wwf.de</p>	<p>Laos (South)</p>	<p><b>REDD+ pilot project «Xe Pian »</b></p> <ul style="list-style-type: none"> <li>• Forest Inventory and</li> <li>• Emissions projections according to VCS methodology</li> </ul>
<p>February - April 2011 (internship)</p>	<p>Diputacio de Barcelona/Division for the prevention of forest fires</p> <p>Referee : Ramon Riera Ramon.Riera@diba.cat</p>	<p>Catalonia</p>	<p><b>Foundation of the « Moianés » association of private forest owners</b></p> <ul style="list-style-type: none"> <li>• Forest inventory</li> <li>• Basic GIS-analysis for forest stands delineation</li> </ul>

## Publications

- Austin, K. G., Mosnier, A., **Pirker**, J., McCallum, I., Fritz, S., & Kasibhatla, P. S. (2017). Shifting patterns of oil palm driven deforestation in Indonesia and implications for zero-deforestation commitments. *Land Use Policy*, 69, 41–48.  
doi:10.1016/j.landusepol.2017.08.036
- Câmara, G., Soterroni, A., Ramos, F., Carvalho, A., Andrade, P., Souza, R.C., Mosnier, A., Mant, R., Buurman, M., Pena, M., Havlik, P., **Pirker**, J., Kraxner, F., Obersteiner, M., Kapos, V., Affonso, A., Espíndola, G., Bocqueho, G., 2015. MODELLING LAND USE CHANGES IN BRAZIL: 2000-2050. São José dos Campos, Brasília, Laxenburg, Cambridge.
- Mant, R., Garcia-Rangel, S., Tadoum, M., Nchoutpouen, C., Tonga, P., Makoudjou, A., Bokelo Bile, D., Ndinga, R.G., Mosnier, A., Obersteiner, M., Kraxner, F., **Pirker**, J., Bocqueho, G., Havlik, P., Kapos, V., Mant, R., 2016. Using Models to inform Policies that meet multiple Objectives. Assessing the Contribution of Brazil's Forest Code to Biodiversity Conservation. Cambridge, Yaounde, Laxenburg.
- Mosnier, A., Mant, R., **Pirker**, J., Bodin, B., Kapos, V., Makoudjou, A., Awono, E., Bokelo, D., Tonga, P., Ndinga, R., Havlik, P., Bocqueho, G., Maukonen, P., Obersteiner, M., Kapos, V. and T., 2016. Modelling future land use changes in Central Africa 2000-2030. A report by the REDD-PAC project. Yaoundé, Cambridge, Laxenburg.
- Mosnier, A., Boere, E., Reumann, A., Yowargana, P., **Pirker**, J., Havlík, P., Pacheco, P., 2017. Palm oil and likely futures: Assessing the potential impacts of zero deforestation commitments and a moratorium on large-scale oil palm plantations in Indonesia (No. 177), CIFOR Infobrief. Center for International Forestry Research (CIFOR), Bogor, Indonesia. doi:10.17528/cifor/006468
- Mosnier, A., Pietsch, S., **Pirker**, J., 2017. Shifting agriculture or agriculture intensification? Impacts on forests, CO2 emissions and food security in the Congo Basin, in: 15th Anniversary Congress. IUFRO, Freiburg, Germany.
- Pirker**, J., Mosnier, A., Giustarini, L., Austin, K.G., Peuser, L., 2017. Palm oil from Malaysia : the Ferrero experience (No. 58), Zero Deforestation: A Commitment to Change, ETFRN News. Wageningen, Netherlands.
- Pirker**, J., Mosnier, A., Kraxner, F., Havlík, P., Obersteiner, M., 2016. What are the limits to oil palm expansion? *Glob. Environ. Chang.* 40, 73–81. doi:10.1016/j.gloenvcha.2016.06.007
- Soterroni, A. C., Mosnier, A., Carvalho, A. X. Y., Câmara, G., Obersteiner, M., Andrade, P. R., ... Ramos, F. M. (2018). Future environmental and agricultural impacts of Brazil's Forest Code. *Environmental Research Letters*, 13(7), 074021.
- Valin, H., Peters, D., van den Berg, M., Frank, S., Havlik, P., Forsell, N., Hamelinck, C., **Pirker**, J., Mosnier, A., Balkovič, J., Schmidt, E., Dürauer, M., Di Fulvio, F., 2015. The land use change impact of biofuels consumed in the EU: Quantification of area and greenhouse gas impacts.

## Working Languages

English, German, French (in writing and speaking), Spanish, Portuguese (speaking, basic writing)