

Dr. Markus Kempen

Phone: 0049 2 28 / 73 23 30 (office) 0049 172 / 6176477(mobile)

Email: markus.kempen@eurocare-bonn.de

Date of Birth: 6.12.1973

Nationality: German

Research interest:

- Quantitative agricultural sector analysis (CAPRI model)
 - Spatial allocation of land use farm characteristics
 - Energy use in agriculture
 - Tariff aggregation methodology and trade liberalization
 - Consolidation of data from different sources
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Academic education:

Oct. 2013	PhD in Agricultural Economics (Dr. agr.), University of Bonn Title: EU wide analysis of the Common Agricultural Policy using spatially disaggregated data.
Oct. 1994 - Jun. 2000	Agricultural sciences (economic and social sciences in agriculture) and diploma (Dipl.-Ing. agr.) Bonn University
Aug. 1993 - Jul. 1994	Agricultural practice year
1993	Abitur (high-school degree) St. Ursula Gymnasium, Geilenkirchen

Work experience:

since July. 2012	Owner of a farm (arable crops, pigs and livestock) in Geilenkirchen (Germany)
Since July 2011	Senior researcher at EuroCARE GmbH, Bonn (part time) and consultancy of private agro-food companies
Dez. 2004 – July 2011	Research Assistant at Institute for Agricultural Policy, University Bonn
Sep. 1998 - Dez. 2004	Organizer of collaborative sugarbeet transport for farmers incorporated in "Maschinenring Rheinland West"

EU Projects:

2007-2010	Cross Compliance Assesment Tool (CCAT). Leader of economic modeling task in interdisciplinary modeling tool.
2005 – 2009	SEAMLESS. Work on spatial allocation of farming systems.
2004 – 2006	CAPRI-DynaSpat. Work on spatial disaggregation of land use, energy use in agriculture and EU enlargement.

IPTS Projects:

2013	Further development of CAPRI model in terms of adding Croatia to the block of EU Member states for modeling EU28 and updating the assumptions for EU baseline sugar policy.
2007	Development of Quantitative Tools for the Regional Economic Analysis of the Milk Quota in the EU.

JRC Projects:

2014	Study on the energy balance of agricultural biomass production.
2012	Study on the role of agriculture as provisioning ecosystem service.

Publications:

Peer reviewed journals articles:

- Annen, D., Wieck, C., Kempen, M. (2013): Animal welfare in public and private standards and on-farm compliance. Forthcoming German Journal of Agricultural Economics.
- Annen, D., Wieck C., Kempen, M. (2011): Evaluation of minimum animal welfare conditions in national standards and farm certification schemes for pig fattening , *Acta Agriculturae Scandinavica, Section A - Animal Science* 61(1): 40-54.
- Kempen, M., Witzke, P., Pérez Domínguez, I., Jansson T., Sckokai, P. (2011): Economic and environmental impacts of milk quota reform in Europe. *Journal of Policy Modeling*, Volume 33, Issue 1, Pages 29–52
- Kempen, M., Elbersen, B., Staritzky, I., Andersen, E., Heckeley, T. (2011): Spatial allocation of farming systems and farming indicators in Europe. *Agriculture, Ecosystems & Environment*, Volume 142, Issues 1–2, Pages 51–62
- Leip A., Marchi G., Koeble R., Kempen M., Britz W., Li C., 2008. Linking an economic model for European agriculture with a mechanistic model to estimate nitrogen and carbon losses from arable soils in Europe. *Biogeosciences*, 5, 73-94.

Conference contribution and other publications:

- Kempen, M. (2013). EU wide analysis of the Common Agricultural Policy using spatially disaggregated data. PhD Thesis, University of Bonn.
- Listorti, G., Tonini, A., Kempen, M., Adenauer, M. (2013). How to Implement WTO Scenarios in Simulation Models: Linking the TRIMAG Tariff Aggregation Tool to Capri. European Association of Agricultural Economists, 135th Seminar, August 28-30, Belgrade, Serbia.
- Listorti, G., Kempen, M., Girardin, J., Kränzlein, T. (2011a). Evaluating existing policy flexibilities in WTO agricultural negotiations: different criteria for the selection of sensitive products. 122nd EAAE Seminar, Evidence based agricultural and rural policy making, Ancona, Italy, 17-18 February.
- Listorti, G., Kempen, M., Girardin, J., Kränzlein, T. (2011b). Do price uncertainties affect the use of policy flexibilities? The selection of sensitive products in WTO agricultural negotiations. EAAE 2011 Congress, Change and Uncertainty Challenges for Agriculture, Food and Natural Resources. Zurich, Switzerland. August 30 to September 2.
- Kempen M., Kränzlein T.(2008): Energy Use in Agriculture: A Modeling Approach to Evaluate Energy Reduction Policies. Paper prepared for presentation at the 107th EAAE Seminar "Modeling of Agricultural and Rural Development Policies". Sevilla, Spain, January 29th - February 1st
- Kempen, M. , Heckeley, T., Britz W. (2006): Validation of Spatially Explicit Land Use Choices Based On Probabilistic Theory.Paper presented at the International Conference on Regional and Urban Modeling Brussels, June 1-2, 2006
- Britz, W., Witzke, H.P., Kempen, M. (2005): Driving forces for fertilizer use in Europe: An outlook on yields, herd sizes and cropping areas, paper resented at International Workshop on "Where Do Fertilisers Go?" ISPRA, Italy, 28-29 June 2005

Britz, W., Witzke, H.P., Kempen, M. (2005): Methodology and main assumptions for CAPSIM projections, paper presented at International Workshop on "Inventories and projections of GHG and NH3 emissions from agriculture in Central and Eastern Europe" ISPRA, Italy, 24-25 June 2005

Kempen, M., T. Heckeley, W. Britz, R. Leip and R. Koeble (2005): A Statistical Approach for Spatial Disaggregation of Crop Production in the EU, in „Modelling agricultural policies: state of the art and new challenges“, MUP, Parma, Italy.