

# Europass Curriculum Vitae



## Personal information

Surname(s) / First name(s) **Mayer Andreas**  
Address(es) Gansterergasse 16/9, 1160 Vienna, Austria  
Telephone(s) +43/1 522 4000 419  
+43 650 923 18 52  
Fax(es) +43/1 522 4000 477  
E-mail [Andreas.Mayer@boku.ac.at](mailto:Andreas.Mayer@boku.ac.at)  
Nationality Austrian  
Date of birth 12.08.1979  
Gender Male

## Desired employment / Occupational field

### Work experience

Dates	As of March 2018
Occupation or position held	Researcher at the Institute of Social Ecology
Main activities and responsibilities	Senior Researcher, Lecturer
Name and address of employer	Institute of Social Ecology, Department of Economics and Social Sciences (WiSo), University of Natural Resources and Life Sciences, Vienna Schottenfeldgasse 29, 1070 Vienna, <u>Austria</u>
Dates	October 2008 – March 2018
Occupation or position held	Researcher at the Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University
Main activities and responsibilities	Senior Researcher, Lecturer
Name and address of employer	Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University, Schottenfeldgasse 29, 1070 Vienna, <u>Austria</u>

Dates	March 2014 – June 2014
Occupation or position held	Research Fellow at ICTA, UAB, Barcelona, Spain.
Main activities and responsibilities	Research and Teaching
Name and address of employer	ICTA - Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona.
Type of business or sector	University
Dates	August 2008 – September 2008
Occupation or position held	Research stay in Rio de Janeiro, Brazil
Main activities and responsibilities	Research
Name and address of employer	PUC (Pontifícia Universidade Católica do Rio de Janeiro), Rua Marquês de São Vicente, 225, Gávea - 22453-900 Rio de Janeiro, Brazil and COPPE/UFR (Programa de Planejamento Energético, Universidade Federal do Rio de Janeiro). 21945-970, Rio de Janeiro, Brazil
Type of business or sector	University

## Education and training

Dates	October 2009
Title of qualification awarded	Mag.rer.soc.oec
Principal subjects/occupational skills covered	Graduate Studies in Social and Human Ecology at the Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University
Name and type of organisation providing education and training	Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University, Schottenfeldgasse 29, 1070 Vienna, Austria
Dates	February 2006
Title of qualification awarded	Bakk.phil.
Principal subjects/occupational skills covered	Undergraduate Studies in Sociology at the Department of Sociology, University of Vienna
Name and type of organisation providing education and training	Department of Sociology, University of Vienna, Rooseveltplatz 2, 1090 Vienna, Austria
Dates	Since October 2014
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Doctoral School Social Ecology (DSSE) at the Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University
Name and type of organisation providing education and training	Institute of Social Ecology, Faculty of Interdisciplinary Studies (IFF) Vienna, Alpen Adria University, Schottenfeldgasse 29, 1070 Vienna, Austria

## Personal skills and competences

Mother tongue(s) **German**

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

**Spanish**

**Portuguese**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(\*) Common European Framework of Reference for Languages

Social skills and competences

Good ability to learn quickly and to adapt to new work environments, able to effectively convey knowledge.

Organisational skills and competences

Experience in organisation (gained through work in project teams and as a lecturer)

Computer skills and competences

Microsoft Office, SPSS, Zotero

Driving licence

A, B

## Additional information

### IFF Social Ecology Research Projects (selection)

MOLUP - Mountain ecosystem in a changing world: land use, pollution and pathogens (Austrian Academy of Sciences), since 2017

ZEAFLU - Zero emissions from agriculture, forestry and other land use in the Eisenwurzen and beyond (Austrian Academy of Sciences), since 2017

GELUC - Greenhouse gas effects of global land-use competition: A biophysical biomass/land-use model for analyzing land-system feedbacks (FWF), since 2016

LUBIO – Land Use, climate change and Biodiversity in cultural landscapes: Assessing feedbacks and promoting land-use strategies towards a viable future (Austrian Academy of Sciences), since 2015

ROBIN – Role of biodiversity in climate change mitigation (EU FP7), 2011 – 2015

EJOLT – Environmental Justice Organizations, Liabilities and Trade (EU FP7), 2011 – 2015

Livestockfoodsecurity: The impact of industrial grain fed livestock production on food security: An extended literature review, 2011 – 2012

LUISE - An integrated socioecological approach to land-use intensity: Analyzing and mapping biophysical stocks/flows and their socioeconomic drivers, since 2011

TEMPUS IV – Engo: Environmental Governance for Environmental Curricula, 2010 - 2013

GLOMETRA - The global metabolic transition: Long term dynamics and patterns of socio-economic material and energy flows, 2009 - 2013

IARU - Integrated Assessment of Resource Use in Lençóis Maranhenses, Northeast Brazil (Österreichische Nationalbank – Jubiläumsfond), 2007 – 2008

## Publications

Nuss, P., Blengini, G.A., Haas, W., Mayer, A., Nita, V., Pennington, D., 2017. Development of a Sankey diagram of material flows in the EU economy based on Eurostat data, EUR 28811 EN, JRC technical reports. Publications Office of the European Union, Luxembourg.

Shao, Q., Schaffartzik, A., Mayer, A., Krausmann, F., 2017. The high 'price' of dematerialization: A dynamic panel data analysis of material use and economic recession. *Journal of Cleaner Production* 167, 120–132. <https://doi.org/10.1016/j.jclepro.2017.08.158>

Mayer, A., Haas, W., Wiedenhofer, D., 2017. How Countries' Resource Use History Matters for Human Well-being – An Investigation of Global Patterns in Cumulative Material Flows from 1950 to 2010. *Ecological Economics* 134, 1–10. doi:10.1016/j.ecolecon.2016.11.017

Bartels, L.E., Mayer, A., Erb, K.-H., 2016. Exploring potential socio-ecological impacts of changes to the Loliondo Gamed Controlled Area, Northern Tanzania: the case of the pastoral village Ololosokwan. *Journal of Land Use Science* 0, 1–17. <https://doi.org/10.1080/1747423X.2016.1249972>

Erb, K., Fetzel, T., Plutzer, C., Kastner, T., Lauk, C., Mayer, A., Niedertscheider, M., Körner, C., Haberl, H. (2016), Biomass turnover time in terrestrial ecosystems halved by land use. *Nature Geoscience*.

Mayer, A and Haas, W (2016): Accumulating resource flows to quantify the ecological debt, in: Martinez-Alier, J, Hornborg, A, Ecologically Unequal Exchange and Ecological Debt. *Journal of Political Ecology*

Mayer, A 2016: Agribusiness and family farming in Brazil. Competing modes of agricultural production, in: Niewöhner, J., Bruns, A., Hostert, P., Krüger, T., Nielsen, J.Ø., Haberl, H., Lauk, C., Lutz, J., Müller, D. (Eds.), *Land Use Competition*. Springer International Publishing, Cham, pp. 314-329

Mayer, A., Schaffartzik, A., Krausmann, F., Eisenmenger, N., 2016. More Than the Sum of Its Parts: Patterns in Global Material Flows, in: Haberl, H., Fischer-Kowalski, M., Krausmann, F., Winiwarter, V. (Eds.), *Social Ecology*. Springer International Publishing, Cham, pp. 217–237.

Haberl, H., Erb, K.-H., Kastner, T., Lauk, C., Mayer, A., 2016. Systemic Feedbacks in Global Land Use, in: Haberl, H., Fischer-Kowalski, M., Krausmann, F., Winiwarter, V. (Eds.), *Social Ecology*. Springer International Publishing, Cham, pp. 315–334.

Erb, K.-H., Fetzel, T., Kastner, T., Kroisleitner, C., Lauk, C., Mayer, A., Niedertscheider, M., 2016. Livestock Grazing, the Neglected Land Use, in: Haberl, H., Fischer-Kowalski, M., Krausmann, F., Winiwarter, V. (Eds.), *Social Ecology*. Springer International Publishing, Cham, pp. 295–313.

Erb, K.-H., Lauk, C., Kastner, T., Mayer, A., Theurl, M.C., Haberl, H., 2016. Exploring the biophysical option space for feeding the world without deforestation. *Nat Commun* 7, 11382. doi:10.1038/ncomms11382

Schaffartzik, A., Mayer, A., Eisenmenger, N., Krausmann, F., 2016. Global patterns of metal extractivism, 1950–2010: Providing the bones for the industrial society's skeleton. *Ecological Economics* 122, 101–110. doi:10.1016/j.ecolecon.2015.12.007

Mayer, A., Schaffartzik, A., Haas, W., Rojas-Sepúlveda, A. 2015. Patterns of global biomass trade – Implications for food sovereignty and socio-environmental conflicts. *EJOLT Report No. 20*, 106 p.

Schaffartzik, A., Mayer, A., 2015. Der Teufelskreis Nachhaltigkeit: Eine sozialmetabolische Perspektive, in: Simon, K.-H., Tretter, F. (Eds.), *Systemtheorien Und Humanökologie: Positionsbestimmungen in Theorie Und Praxis*. oekom verlag, pp. 301 – 315.

Fischer-Kowalski, M., Krausmann, F., Mayer, A., Schaffartzik, A., 2014: Boserup's Theory on Technological Change as a Point of Departure for the Theory

of Sociometabolic Regime Transitions, in: M. Fischer-Kowalski, A. Reenberg, A. Schaffartzik, A. Mayer (Hrsg.): Ester Boserup's Legacy on Sustainability, Springer Science + Business Media B.V., Dordrecht, Januar 2014, Vol 4, S. 23 - 42.

Fischer-Kowalski, M., Reenberg, A., Schaffartzik, A., Mayer, A. (Eds.), 2014: Ester Boserup's Legacy on Sustainability. Orientations for Contemporary Research. Human-Environment Interactions, Vol. 4, Springer

Mayer A., 2014. 40 Jahre globaler Ressourcenverbrauch: Ein Überblick aktueller Debatten. Österreichische Zeitschrift für Politikwissenschaft 2014/1. 55-72

Schaffartzik, A., Mayer, A., Gingrich, S., Eisenmenger, N., Loy, C., Krausmann, F., 2014. The global metabolic transition: Regional patterns and trends of global material flows, 1950–2010. *Global Environmental Change* 26, 87–97. doi:10.1016/j.gloenvcha.2014.03.013

GRAIN, Martinez-Alier, J., Temper, L., Munguti, S., Matiku, P., Ferreira, H., Soares, W., Porto, M. F., Raharinirina, V., Haas, W., Singh, S. J., Mayer, A. 2014. The many faces of land grabbing. Cases from Africa and Latin America. EJOLT Report No. 10, 93 p.

Krausmann, F., Schaffartzik, A., Mayer, A., Gingrich, S., Eisenmenger, N., 2013. Global trends and patterns in material use. MRS Online Proceedings Library 1545, null–null. doi:10.1557/opl.2013.1075

Erb, K.-H., A. Mayer, Kastner T, Sallet K.E., Haberl H. 2012: The Impact of Industrial Grain Fed Livestock Production on Food Security: an extended literature review. Commissioned by Compassion in World Farming, The Tubney Charitable Trust and World Society for the Protection of Animals, UK. Vienna, Austria

Fischer-Kowalski, M., F. Krausmann, S. Giljum, S. Lutter, A. Mayer, S. Bringezu, Y. Moriguchi, H. Schütz, H. Schandl and H. Weisz. 2011. Methodology and indicators of economy wide material flow accounting. State of the art and reliability across sources. *Journal of Industrial Ecology*

Erb, K.-H., A. Mayer, F. Krausmann, C. Lauk, C. Plutzar, J. K. Steinberger and H. Haberl. 2011. The interrelations of future global bioenergy potentials, food demand and agricultural technology. In: Gasparatos A. and P. Stromberg (eds.): *Socioeconomic and environmental impacts of biofuels: Evidence from developing nations* - Cambridge: Cambridge University Press.

Fischer-Kowalski, Marina; Mayer, Andreas; Schaffartzik, Anke (2011): *Zur sozialmetabolischen Transformation von Gesellschaft und Soziologie*. In: Groß, Matthias (Hrsg.): *Handbuch Umweltsoziologie*. Wiesbaden. VS Verlag, S. 97 – 120

Schmid M., Mayer A., Miechtner G.: Masterstudium "Sozial- und Humanökologie". Selbstevaluation. Vienna: IFF Social Ecology (Universitaet Klagenfurt), 2010 (Social Ecology Working Paper 126), 60 S.

Mayer A.: Resource use and material flows in the Brazilian economy. 1960-2005. Vienna: IFF Social Ecology (Universitaet Klagenfurt), 2010 (Social Ecology Working Paper, 118), 118 S.

Eisenmenger N., Gaube V., Mayer A., do Nascimento F. S. (2008): IARU - Integrated Assessment of Resource Use in Lençóis Maranhenses, Northeast Brazil. Final report to the ÖNB Jubiläumsfonds, Project No. 12089. Vienna: IFF Social Ecology (University of Klagenfurt)

Fischer-Kowalski M., Mayer A. (2008): Umwelt und Ökologie. In: R. Forster (Hrsg.): *Forschungs- und Anwendungsbereiche der Soziologie*. Wien: facultas.wuv Universitätsverlag, pp. 266-281.

## Teaching Experience

Winter 2015-2016 (together with Maria Niedertscheider): Sozialökologische Methoden – biophysical environmental accounting.

Winter 2014-2015: Sozialökologische Methoden – biophysical environmental accounting.

Winter 2013-2014 (together with Veronika Gaube and Dominik Wiedenhofer): Methods of Social Ecology (Orig: Sozialökologische Methoden).

Winter 2012-2013 (together with Veronika Gaube): Methods of Social Ecology (Orig: Sozialökologische Methoden).

Winter 2011 – 2016 (Together with Markus Wissen, Marina Fischer-Kowalski, Sigrid Stagl and Beate Littig): The Environmental Crisis from an Interdisciplinary

Perspective (Orig: Die ökologische Krise aus interdisziplinärer Sicht)  
Summer 2011 (Together with Alexander Bogner): Governing the Social  
(Orig: Formen gesellschaftlicher Steuerung)

Winter 2010 (Together with Marina Fischer-Kowalski): Theories of Social Change  
(Orig: Theorien des Sozialen Wandels)

Summer 2010 (Together with Martin Schmid and Rogerio Ribeiro de Oliveira):  
Bridging Continents: Comparing urban environmental history in Rio de Janeiro and  
Vienna

Summer 2009 (Together with Julia Steinberger): Environmental Discourses and  
Environmental Sociology (Orig: Umweltdiskurse: Seminar aus Umweltsoziologie)

## Supervision of Master-Students

Charlotte Kottusch (2016): Die sozio-ökologischen Auswirkung der Palmölproduktion auf die Ernährungssituation in ländlichen Gemeinden. Eine regionale MFA-Studie in der Region Tomé-Açu in Pará, Brasilien (engl. Socio-ecological impacts of palm oil production on local food security in rural areas in Brazil. A regional MFA-study in the region Tomé-Açu, Pará, Brazil (Co-Supervision with Dr. Anke Schaffartzik)

Anja Freudenberg (2017): Climate Change, Biodiversity, and land use decisions in the Eisenwurzen Region in Austria. (Co-Supervision with Ao.Prof. Dr. Helmut Haberl)