

# Curriculum vitae

## of Dr. Sebastian Goers

### Personal

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### Positions

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12/2013 –	Senior Researcher at the Department of Energy Economics at the Energieinstitut an der Johannes Kepler Universität Linz
04/2008 – 11/2013	Researcher at the Department of Energy Economics at the Energieinstitut an der Johannes Kepler Universität Linz
07/2019 –	President of Regional Leaders' Summit Sciences of Bavaria, Georgia, Québec, São Paulo, Shandong, Upper Austria and the Western Cape
09/2013 –	Scientific Coordinator of Upper Austria in the Regional Leaders' Summit Energy Network of Bavaria, Georgia, Québec, São Paulo, Shandong, Upper Austria and the Western Cape

## Education

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09/2008-11/2013	Doctoral program of economic and social sciences at the Johannes Kepler University of Linz (AT)
03/2004-12/2004	Economics at the Universidad Católica de Córdoba (ARG)
03/2001-11/2007	Economics at the Rheinische Friedrich Wilhelms-University of Bonn (GER)

## SELECTED PUBLICATIONS

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### Referenced articles:

**Goers, S.**, Wagner, A., Wegmayr, J. (2010) New and old market-based instruments for climate change policy, *Environmental Economics and Policy Studies*, Vol. 12 (1), 1-30.

**Goers, S.**, Tichler, R., Höfler, L., Klementsitz, R., Priewasser, R., Lutz, G., Farhnberger, V. (2011) Telearbeit: Ein Arbeitskonzept für die Zukunft? – Antworten aus Oberösterreich (*Teleworking: A working concept for the future? – Responses from Upper Austria*), *Straßenverkehrstechnik*, 05/2011, 307-313.

**Goers, S.**, Pflüglmayer, B. (2012) Post-Kyoto global emissions trading: Perspectives for linking national emissions trading schemes with the EU ETS in a bottom-up approach, *Low Carbon Economy*, Vol. 3 (3), 69-79.

**Goers, S.**, Pflüglmayer, M., Luger, L. (2012) Design Issues for Linking Emissions Trading Schemes - A Qualitative Analysis for Schemes from Europe, Asia and North America, *Journal of Environmental Science and Engineering B*, Vol. 1 (12b) , 1322-1334.

Schwarz, M., **Goers, S.**, Schmidthaler, M., Tichler, R. (2013) Measuring Greenhouse Gas Abatement Costs in Upper Austria, *International Journal of Climate Change Strategies and Management*, Vol. 5 (3), 246-266.

**Goers, S.** (2014) Testing informational efficiency in the EU ETS, *Journal of Sustainable Development of Energy, Water and Environment Systems*, Vol. 2 (4), 319-330.

**Goers, S.**, Schneider, F., Steinmüller, H., Zauner, A. (2016) Wertschöpfungs- und Beschäftigungseffekte des Programms zum Hochwasserschutzbau in Oberösterreich (*Effects on Economic Growth and Employment due to Building Flood Protection Infrastructure in Upper Austria*), *WasserWirtschaft*, 4/2016, 25-29.

Fazeni, K., **Goers, S.**, Schneider, F., Steinmüller, H., Tichler, R. (2016) Volkswirtschaftliche Effekte gesunder und regionaler Ernährung in Oberösterreich (*Macroeconomic effects of healthy and regional nutrition in Upper Austria*), Nutrition - Austrian Journal for Science, Law, Technology and Economy, 40 (3), 24-27.

**Goers, S.**, Schneider, F. (2019) Austria's Path to a Climate-Friendly Society and Economy - Contributions of an Environmental Tax Reform, Modern Economy, Vol. 10, 1369-1384.

Böhm, H., **Goers, S.**, Zauner, A. (2019) Estimating future costs of power-to-gas - a component-based approach for technological learning, International Journal of Hydrogen Energy, Vol. 44, 30789-30805.

**Goers, S.**, Schneider, F. (2019) Economic, ecological and social benefits through redistributing revenues from increased mineral oil taxation in Austria: A triple dividend, Green Finance, Vol. 1, 442-456.

**Goers, S.**, Rumohr, F., Fendt, S., Gosselin, L., Jannuzzi, G.M., Gomes, R.D.M., Sousa, S.M.S., Wolvers, R. (2021) The Role of Renewable Energy in Regional Energy Transitions: An Aggregate Qualitative Analysis for the Partner Regions Bavaria, Georgia, Québec, São Paulo, Shandong, Upper Austria, and Western Cape. Sustainability, Vol, 13, 76.

Chagnon-Lessard, N., Gosselin, L., Barnabé, S., Bello-Ochende, T., Fendt, S., **Goers, S.**, Pereira da Silva, L.C., Schweiger, B., Simmons, R., Vandersickel, A., Zhang, P. (2021) Smart Campuses: Extensive Review of the Last Decade of Research and Current Challenges. IEEE Access, Vol. 9, 124200-124234.

Veseli, A., Markova, D., Böhm, H., **Goers, S.**, Müller, C. (2022). Interdisciplinary challenges and opportunities for hydrogen projects in Austria and the EU. European Energy & Climate Journal 11 (2), 60-63.

### Technical reports & working papers (selection):

Schneider, F., Steinmüller, H., **Goers, S.**, Baresch, M., Priewasser, R. (2014) Wirtschaftliche und finanzielle Auswirkungen eines neuen THG-Ziels für 2030 in Österreich und Betroffenheit der österreichischen Volkswirtschaft (*Economic and financial effects of a new GHG target for 2030 in Austria and the Austrian economy*), Energieinstitut at the Johannes Kepler University Linz.

**Goers, S.**, Baresch, R., Schneider, F., Tichler, R. (2015) MOVE2 – Simulation model of the (Upper) Austrian economy with a special focus on energy incl. the socio-economic module MOVE2social: integration of income, age and gender, Energieinstitut at the Johannes Kepler University Linz.

**Goers, S.**, Prieler, M., Steinmüller, H. (2018) Monitoring Report on Renewable Energy in the RLS regions. Energieinstitut at the Johannes Kepler University of Linz.

Baresch, M., **Goers, S.**, Tichler, R. (2018) Qualitative Analyse des volkswirtschaftlichen Nutzens von Repowering in der Stromproduktion aus Windkraft (Qualitative analysis of the economic benefits of repowering in electricity production from wind power). Conference Paper for Symposium Energieinnovation in Graz.

**Goers, S.**, Kollmann, A., Schwarz, M. (2018) Applying the JRC cost and benefit analysis for smart grids to multiple usage concepts of battery storage systems, ISGAN (International Smart Grid Action Network) Working Paper.

**Goers, S.**, Rumohr, F. (2020): *SWOT analysis of the role of renewable energy in RLS regions' energy transitions*. Linz: Energieinstitut at the JKU; Munich: Bavarian Research Alliance.

### Book chapters:

Pflüglmayer, B., **Goers, S.** (2011) Kyoto-Konsequenzen für Österreich? (*Kyoto consequences for Austria?*) in Steinmüller, H., Hauer, A. und Schneider, F. (Eds.), *Energiewirtschaft 2011*, 5-27, NWV.

Pflüglmayer, B., **Goers, S.** (2012) „Kyoto-Strafzahlungen“ für Österreich? (*Kyoto penalties for Austria?*) in Schneider, F. und Steinmüller, H. (Eds.), *Forum Econogy 2011*, 45-64, Universitätsverlag Rudolf Trauner Linz.

**Goers, S.**, Luger, M., Plüglmayer, B. (2012) Ein Bottom-up-Ansatz zur Verknüpfung des europäischen Emissionshandelssystems mit Drittländern, in Steinmüller (*A bottom-up approach for linking the EU emissions trading scheme with third countries*), H., Hauer, A. und Schneider, F. (Eds.), 33-48, *Energiewirtschaft 2012*, NWV.

Schneider, F., Steinmüller, H., **Goers, S.**, Baresch, M., Priewasser, R (2014) Wirtschaftliche und finanzielle Auswirkungen eines neuen THG-Ziels für 2030 in Österreich und Betroffenheit der österreichischen Volkswirtschaft (*Economic and financial effects of a new GHG target for 2030 in Austria and the Austrian economy*) in Steinmüller, H., Hauer, A. & Schneider, F. (Eds.), *Energiewirtschaft 2014*, 19-82, NWV.

Schneider, F., Friedl, C., **Goers, S.** (2014) Die Schwierigkeiten bei der Durchführung von finanzpolitischen Maßnahmen im Straßenverkehr in repräsentativen Demokratien: Eine Public-Choice-Analyse (*The difficulties in the implementation of fiscal measures in road traffic in representative democracies: A Public Choice analysis*) in Steinmüller, H., Hauer, A. & Schneider, F. (Eds.), *Energiewirtschaft 2014*, 83-116, NWV.

Fazeni, K., **Goers, S.**, Moser, S., Tichler, R. (2015) Systemische Forschung und Entwicklung im Fernwärmebereich (*Systemic research and development in district heating*), in Steinmüller, H., Hauer, A. und Schneider, F. (Eds.), 33-48, *Energiewirtschaft 2015*, 83-102, NWV.

**Goers, S.**, Baresch, M., Kollmann, A., Schneider, F., Steinmüller, F., Tichler, R. (2015) Green jobs: Status Quo und Wachstumspotentiale in Oberösterreich (*Green jobs: status quo and growth potentials in Upper Austria*), in Steinmüller, H., Hauer, A. und Schneider, F. (Eds.), 33-48, *Energiewirtschaft 2015*, 115-138, NWV.

**Goers, S.**, Schneider, F., Steinmüller, H., Zauner, A. (2017) Economic Growth and Employment Effects as a Result of the Upper Austrian Flood Protection Building Program, in Hromadka, T. und Rao, P. (Eds.), *Flood Risk Management*, 79-92, InTech.

Baresch, M., **Goers, S.** (2017) Auswirkungen des Pariser Klimagipfels auf die energieintensive Industrie in Oberösterreich (*Impacts of the Paris climate agreement on the energy intensive industry*), in Steinmüller, H., Hauer, A. und Schneider, F. (Eds.), *Energiewirtschaft 2016/2017*, 17-35, NWV.

**Goers, S.**, Schneider, F., Steinmüller, H., Zauner, A. (2018) Wertschöpfungs- und Beschäftigungseffekte des Programms zum Hochwasserschutzbau in Oberösterreich (*Effects on Economic Growth and Employment due to Building Flood Protection Infrastructure in Upper Austria*), in S. Heimerl (Eds.), Vorsorgender und nachsorgender Hochwasserschutz, 8-15, Springer.

**Goers, S.**, Schneider, F. (2019) Mehrfachdividenden für Österreich durch eine ökologische Steuerreform mit innovativer Einnahmenverwendung (*Multiple Dividends in Austria via an ecological tax reform with innovative revenue recycling scheme*) in Steinmüller, H., Hauer, A. & Schneider, F. (Eds.), Energiewirtschaft 2018/2019, NWV.

Hofwimmer, M., Haslinger, X., Parragh, S.N., Müller, C., **Goers, S.**, Tichler, R. (2021) Emissionsfreie Straßengüterverkehrslogistik durch den Einsatz von batterieelektrischen und H<sub>2</sub>-Brennstoffzellen-Lkw (*Emission-free road freight logistics through the use of battery-electric and H<sub>2</sub> fuel cell trucks*) in Brunner, U., Prandtstetter, M., Reiner, G., Starkl, F.P., Stein, S., Wakolbinger, T. (Eds.), Jahrbuch der Logistikforschung Vol 3, Trauner Verlag.

### Presentations (selection):

**FH Science Day at the University of Applied Science**, 6<sup>th</sup> Nov. 2008 in Wels, Presentation: Emissionshandel und Energie aus Biomasse - Verschiedene Instrumente auf dem gemeinsamen Weg zum Klimaschutz (*Emissions trading and energy from biomass – different instruments to combat climate change*).

**6. Internationale Energiewirtschaftstagung at the TU Wien**, 11–13<sup>th</sup> Feb. 2009 in Vienna, Österreich, Presentation: Emissionshandel in Europa - Quo vadis? (*Emissions trading in Europe – Quo vadis?*)

**11. Symposium Energieinnovation at the TU Graz**, Institut für Elektrizitätswirtschaft und Energieinnovation, 10-12<sup>th</sup> Feb. 2010 in Graz, Presentation: Ökonomische und ökologische Bewertung der Dienstleistung Raumwärme (*Economic and ecologic evaluation of the service of providing space heating*).

**Oberösterreichischer Umweltkongress**, 27-29<sup>th</sup> Sep. 2010 in Bad Ischl, Presentation: Notwendige Rahmenbedingungen zur effizienten Umsetzung von CO<sub>2</sub>-Reduktionsmaßnahmen (*Necessary frameworks for efficient application of CO<sub>2</sub> abatement measures*).

Arbeit im Wandel – Workshop: Telearbeit – Zukunftsmodell oder Wunschvorstellung, **netzwerk HUMAN RESSOURCEN**, 16<sup>th</sup> Nov. 2010 in Linz, Presentation: Das Büro ums Eck... und seine positiven Effekte auf Umwelt, Wirtschaft und Verkehr (*The office around the corner ... and its positive effects on the environment, economy and traffic*).

**ISEE 2012 Conference - Ecological Economics and Rio+20: Challenges and Contributions for a Green Economy**, 16-19<sup>th</sup> June 2012 in Rio de Janeiro, Presentation: Linking national emissions trading systems with the EU ETS: A bottom-up approach for future global emissions trading.

**26<sup>th</sup> PhD Workshop on International Climate Policy**, 25-26<sup>th</sup> April 2013 in Paris, Presentation: Decentralization and lobbying in emissions trading schemes.

**8<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems**, 22-27<sup>th</sup> September 2013 in Dubrovnik, Presentation: Testing informational efficiency in the EU ETS.

**2<sup>nd</sup> Generation Biofuels Workshop Regional Leaders Energy Network**, 12<sup>th</sup> March 2014 in Cape Town, Titles: Research on Biofuels in Upper Austria & Energy and Climate Policies in Upper Austria and Socio-Economic Research on Energy Issues.

**1<sup>st</sup> EViews User Meeting: Global Commodity Markets - Scenarios, Prices and Forecasts - Focus on Energy**, 21-22<sup>nd</sup> October in Frankfurt, Title: Quantifying macroeconomic, ecologic and energetic effects: Simulation model of the (Upper) Austrian economy with main emphasis on energy – MOVE.

**Workshop Regional Leaders Energy Network**, 24<sup>th</sup> November 2015 in Montreal, Titles: Actual research projects in the field of renewable fuels and bulk chemicals & Macroeconomic Impact Assessment of renewable energy and biofuels in (Upper) Austria & The power regions Bavaria and Upper Austria in the context of hybrid grids.

**Journée de la recherche** – Fonds Nature et technologies, 10<sup>th</sup> April 2017 in Montreal, Title: Renewable energy as a driver for regional economic growth and employment.

**International Association of University Presidents IAUP Triennial Conference**, 7<sup>th</sup> July 2017 in Vienna, Title: Innovation in Education - RLS-Sciences: A multilateral and multilevel approach.

**WindAc Africa 2017**, 15<sup>th</sup> November 2017 in Cape Town. Title: The regional roles and benefits of wind power - A monitoring process for the partner regions Bavaria, Georgia, Québec, São Paulo, Shandong, Upper Austria and the Western Cape.

**Workshop Regional Leaders Energy Network**, 24<sup>th</sup> November 2015 in Montreal, Titles: Actual research projects in the field of renewable fuels and bulk chemicals & Macroeconomic Impact Assessment of renewable energy and biofuels in (Upper) Austria & The power regions Bavaria and Upper Austria in the context of hybrid grids.

**9<sup>th</sup> Regional Leaders' Summit - Energy Transition: Towards a Low Carbon Economy**, 17<sup>th</sup> May 2018 in Québec City, Title: Monitoring on Renewable Energy in the RLS regions.

**RLS-Sciences Annual Meeting 2019**, 27<sup>th</sup> May 2019 in São Jose dos Campos. Title: RLS-Sciences - A multilateral and multilevel approach to support scientific research.

**Forum Econogy 2020**, 14<sup>th</sup> September 2020 in Linz, Title: Economic growth & green recovery through investments in production and storage technologies for renewable energy

**RLS Virtual Round Table on COVID-19**, 15<sup>th</sup> September 2020 in Linz, Title: Approaches for navigating the RLS regions' energy transitions during and after the COVID-19 crisis.

**New Energy for Industry Konferenz**, 7<sup>th</sup> May 2021, Title: Quantifizierung des volkswirtschaftlichen Wertes auf regionaler Ebene von industriellen Energiegemeinschaften – Ergebnisse für das InduGrid-Testbed Ennshafen (*Quantification of the Economic Value at Regional Level of Industrial Energy Communities - Results for the InduGrid Testbed Ennshafen*)

**International Network for Government Science Advice (INGSA) Conference**, 31<sup>st</sup> August 2021 in Montreal and online, Title: RLS-Sciences Network.

## AWARDS

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- 02/2010                      Young Author Award at the TU Graz; 11. Symposium Energieinnovation an der TU Graz, Graz, 10-12<sup>th</sup> Feb. 2010.
- 02/2011                      Best-Paper Award (together with Schwarz, M. und Schmidthaler, M.); 7. Internationale Energiewirtschaftstagung an der TU Wien, Vienna, 16–18<sup>th</sup> Feb. 2011.