

CURRICULUM VITAE

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Personal information

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Overarching Research Theme

Knowledge spillovers and innovation, renewable energy technology, technological change, labor markets. Carbon Capture, Circular Economy

Education and Academic Degree

- May 24th, 2017. PhD, Economics. **Luleå University of Technology**.
 - Dissertation title: *Technological Change in the Renewable energy Sector – Essays on Knowledge Spillovers and Convergence*.
- Master of Arts in Economics. May 2010. **University of Toledo, USA**.
 - Master thesis: *Pollution changes in Lake Erie: Effects of water temperature changes*.
- Bachelor degree in Economics, 2005 – 2009 with break in the spring 2008 for exchange studies (University of Idaho). **Luleå University of Technology**.
 - Bachelor thesis: The effect of the Swedish carbon dioxide tax: an econometric analysis.
- **University of Idaho, USA**: Course in the American political system and Economics. 2008.

Current Position

Vice CEO Ratio – 211001-
Researcher Ratio – Näringslivets forskningsinstitut. 170524-
Lecturer Luleå University of Technology.
Research fellow AI-Econ lab Örebro University.

Visiting scholar

Visiting fellow at Oxford Institute for Energy Studies. 190916-
George Mason University, 140901-150107.

Peer reviewed Journal Publications

- Grafström, J., & Poudineh, R. (2023). No evidence of counteracting policy effects on European solar power invention and diffusion. *Energy Policy*, 172, 113319.
- Grafström, J., Söderholm, P., Gawel, E., Lehmann, P., & Strunz, S. (2023). Government Support to Renewable Energy R&D: Drivers and Strategic Interactions among EU Member States. *Economics of Innovation and New Technology*.
- Grafström, J., Aasma, S. (2021). Breaking circular economy barriers. *Journal of Cleaner Production*. Volume 292, 10 April 2021.
- Grafström, J. (2021). An Anatomy of Failure – Wind Power Development in China. *Quarterly Journal of Austrian Economics*.

- Aldieri, L., Grafström, J., & Vinci, C. P. (2021). The effect of Marshallian and Jacobian knowledge spillovers on jobs in the solar, wind and energy efficiency sector. *Energies*, 14(14), 4269.
- Aldieri, L., Grafström, J., Sundström, K., & Vinci, C. P. (2020). Wind power and job creation. *Sustainability*, 12(1), 45.
- Grafström, J. (2018) "International knowledge spillovers in the wind power industry: evidence from the European Union" *Economics of Innovation and New Technology*, 27(3), 205-224.
- Grafström, J. (2018). Divergence of Renewable Energy Invention Efforts in Europe: An Econometric Analysis Based on Patent Counts. *Environmental Economics and Policy Studies*, 1-31.
- Grafström, J., & Lindman, Å. (2017). Invention, innovation and diffusion in the European wind power sector. *Technological Forecasting and Social Change*, 114, 179-191.

Books

- Dags att städa upp – koldioxidinfångning* (Ratio, 2022)
- Moderna Tider - Så blir du vinnare i jobbkollapsen.* (Volante, 2020)
- Mer för mindre? Tillväxt och hållbarhet i Sverige.* (Ratio, 2020)

Chapters

- Grafström, J. (2024). Economic freedom and environmental performance. In: Handbook of Research on Economic Freedom (ed. N. Berggren). Cheltenham, UK: Edward Elgar Publishing. Forthcoming.
- Grafström, J. (2022). Less from more: China built wind power, but gained little electricity. Questioning the Entrepreneurial State, 219.
- What prevents Machine Learning from transforming industries? (with Vicky Long) Long, Vicky; Grafström, Jonas (2021, forthcoming) In Long, V and Holmén, M (eds) Industrial Transformation and Technological Change. Chap 7. Abingdon: Routledge
- Teknikutvecklingen och arbetsmarknaden. (2019). I: En dynamisk arbetsmarknad. Edited by Charlotta Stern.

Working papers - Selected

- Grafström, J., & Poudineh, R. (2021). A critical assessment of learning curves for solar and wind power technologies. Oxford Institute for Energy Studies.
- Grafström, J., Lindeberg Goñi, M., & Korpi, M. (2019). Koldioxidinfångning direkt ur luften, dyrt idag–billigt i framtiden?
- Grafström, J., Hvalgren, N., & Korpi, M. (2018). No 309: Förutsättningar för storskaligt infångande av koldioxid (No. 309). The Ratio Institute.
- Grafstrom, Jonas, Modern Era Knowledge Spillovers in the Solar Energy Sector (March 3, 2019). USAEE Working Paper No. 19-390.
- Grafstrom, Jonas, Crowding Out or Knowledge Spillovers from the Wind Power Industry: The Effect on Related Energy Machinery (June 18, 2018). USAEE Working Paper.

Other journals

- Grafström J. (2022). Fjärrvärmemonopolen stoppar en cirkulär ekonomi. *Ekonomisk Debatt* 5 (50), 75-78.
- Grafström, J. Ett nytt försvar av världskapitalismen. *Ekonomisk Debatt* 4/2022.
- Grafström, J., Sandström, C., Paulsson, R., & Axel, W. (2020). Tillväxt och hållbar utveckling i Sverige–fick Lindbeck (1974) rätt?. *Ekonomisk Debatt*, 7, 64-69.
- Jonas Grafström (2020) Jobb då och nu. *Ekonomisk Debatt* 2/2020

Teaching at LTU (own)

Resource Economics Spring 2021.

Lecturer Lexicon (Economics courses for real-estate agents) 2018–2019.

Economics for real estate agents (7,5 credits) Spring 2019.

Scientific method (7,5) Autumn 2019.

Scientific method (7,5) Autumn 2018.

Economics for real estate agents (7,5 credits) Autumn 2017.

Economics for real estate agents (7,5 credits) Spring 2016.

Applied Macroeconomics (7,5 credits) Spring 2016.

“Economics for all”, pre-principal level, head teacher (7.5 hp). Autumn 2013.

“Economics for all”, pre-principal level, head teacher (7.5 hp). Spring 2012.

Seminaries teaching

- Microeconomics. Autumn 2011 (4 seminars)
- Applied Macroeconomics. Spring 2012 (16 seminars)
- Applied Microeconomics Spring 2013 (20 seminars)
- Applied Microeconomics Spring 2014 (20 seminars)
- Macro Economics Autumn 2015 (20 seminars)
- Applied Macroeconomics. Autumn 2015 (18 seminars)
- Macro Economics Autumn 2016 (20 seminars)

Academic Labor

- Reviewer, some examples: 2024 Quarterly Journal of Austrian Economics: 2023 Technological Forecasting and Social Change 2021: Energies, Futures, 2020 *Utility Policy*, 2019 *Environmental Economics and Policy Studies*, 2019 *Business, Strategy and the Environment*, 2019 *Ambio*, 2019 *Sustainability*, 2018 *Energy Journal*, 2018 *Research Policy*, 2018 *Economics of Innovation and New Technology*, 2014 *Ecological, Economics*, 2013 *Ecological Economics*
- Member of one of the two faculty boards at Luleå university of technology 2013–2014

Awards and Grants

- Formas 2980000 SEK for a project about Barriers for a circular Swedish Industry.
- KSLA 600 000 for a project about Insider activism in the forest sector.
- Gustaf Richters Stiftelse, 2022. 220 000 kronor for Carbon Capture research
- Sweden's to 33 young sustainability talents 2018, awarded by the newspaper Aktuell Hållbarhet.
- Wallenber travel grant to New York conference, 2000 dollars.
- Been awarded the Ratio scholarship of 25000 dollars to do PhD work at George Mason University, Virginia. Starting autumn 2014.
- Arvid Lindmanfonden 2016. 15.000 kronors for writing about Technological change and the labormarket.

Bachelor thesis supervision

- Luleå University: 1
- Örebro University 1