Curriculum Vitae

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Ivan Savin

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ORCID https://orcid.org/0000-0002-9469-0510, Google Scholar (h-index 32, Citations 3558)

Research interests:

●Complex Systems ● Economics of Innovation ● Environmental Economics ● Evolutionary Economics

Academic Positions

07/23 - Present Associate Professor of Quantitative Analytics, **ESCP Business School**, Madrid, Spain

01/23 – 12/25 Research fellow at ICTA-UAB, EU CAPABLE project https://capableclimate.eu/

03/18 – 06/23 Postdoc in the **ERC project EVOCLIM**, Institute of Environmental Science and Technology (ICTA), **Universitat Autònoma de Barcelona**, Spain

09/18 – 01/23 Visiting professor at the **Graduate School of Economics and Management, Ural Federal University**, Yekaterinburg, Russia

10/13 – 08/18 Visiting lecturer at the **Graduate School of Economics and Management, Ural Federal University**, Yekaterinburg, Russia

05/15 – 02/18 Coordinator of the **KIT-BETA research group**, **Karlsruhe Institute of Technology** (KIT), Germany and **Bureau d'Economie Théorique et Appliquée** (BETA), France

04/13 – 04/15 Postdoc, Chair of Microeconomics, **Friedrich Schiller University of Jena**, Germany

07/11 – 04/15 Postdoc, **Graduate School "Economics of Innovative Change"** (GSBC EIC), Friedrich Schiller University of Jena and Max Planck Institute of Economics, Germany

10/09 - 02/11 Teaching assistant at the chair of statistics and econometrics, **Justus Liebig University of Giessen**, Germany

Education and degrees

01/16 - 11/17 **Habilitation at the Karlsruhe Institute of Technology**, Habilitation thesis 'Applications of Evolutionary Optimization and Modelling in Economics', Teaching Degree in Economics

10/08 - 08/11 **PhD at the Justus Liebig University in Giessen**
Chair of statistics and econometrics (Prof. Dr. Peter Winker), Dissertation title 'Russia's comparative advantages in foreign trade: forecasting potential dynamics and identifying stimulation measures', Summa Cum Laude

09/03 - 07/08 **International economics (Honours degree based on five-year full-time Diploma at the Ural State University named after A.M. Gorky)**
Diploma thesis on 'Stimulation of companies' innovative activities as a way of optimizing the industrial structure of Russian foreign trade'

09/06 - 08/07 **Study at the University of Passau**
Courses taken include international marketing, E- and M-Business, management of innovations, strategic management of information), Average grade 1,3 (excellent)

09/93 - 06/03 Secondary education at the School Gymnasia №37 with an in-depth study of languages, particularly German; graduated with silver medal for excellent grades

Publications

A. Articles in refereed journals

2026 Savin I., Bektursyn N. and N. Ibadildin, Presidential Rhetoric and Economic Context in Kazakhstan: A Topic and Sentiment Analysis, **Communist and Post-Communist Studies**, https://doi.org/10.1525/cpcs.2026.2741121

2026 Midões C., van den Bergh J., Savin I. and G. De Alessandri Synergies and Welfare Effects of Combining Carbon Pricing and Renewable-Energy Policies: A Meta-Analysis, **Environmental and Resource Economics**, 89:65 https://doi.org/10.1007/s10640-026-01098-x

2026 Savin I. King L.C., J. van den Bergh, T. Bouman, M. Ščasný and E.K. Smith, Views of EU citizens on economic growth and climate policy implications, **Nature Communications** 17, 6580, https://doi.org/10.1038/s41467-026-73323-6

2026 Savin I., M. López Carel and E. Schlindwein, From Words to Action? Linking ESG Reports to Environmental Performance, **PLOS One** 21(6): e0350762. https://doi.org/10.1371/journal.pone.0350762

2026 Molina-Garzón A. , L. Moros, S. Izquierdo , Savin I. and E. Corbera, Environmental motivations in an ongoing PES program in the Colombian Amazon, **Ecosystem Services** 80: 101867, https://doi.org/10.1016/j.ecoser.2026.101867

2026 Savin I. and J. van den Bergh, Opinions of EU citizens about climate policy in their own words, **Ecological Economics**, 244:108968 https://doi.org/10.1016/j.ecolecon.2026.108968

2026 Salekpay F. I. Savin and J. van den Bergh, Ex-ante vs ex-post assessment of socio-economic diversity in climate-policy studies, **Journal of Economics and Statistics** https://doi.org/10.1515/jbnst-2025-0042

2026 Grugni E, I. Savin and J. van den Bergh, Carbon leakage in production networks under asymmetric climate policies, **Journal of Economic Dynamics and Control**, 183:105241 https://doi.org/10.1016/j.jedc.2025.105241

2026 Smith, E.K., Mlakar, Ž., Levis, A., Sanford, M., Stapper, L., Bouman, T., Emmerling, J., Perlaviciute, G., Tavoni, M., Berger, L., van den Bergh, J., Savin I. et al.. Climate Policy Feasibility across Europe Relies on the Conditional Middle, **Nature Climate Change,** forthcoming https://doi.org/10.1038/s41558-026-02562-8

2026 van den Bergh J., G. Papachristos and I. Savin, Impact of GDP-anchoring bias on macroeconomic dynamics through consumer and investment behaviour, **Journal of Economic Interaction and Coordination** 21:507-524 https://doi.org/10.1007/s11403-025-00466-y

2025 Torren Peraire D., van den Bergh J. and I. Savin, The cultural multiplier of climate policy, **Environmental and Resource Economics**, 88, 3215–3251https://doi.org/10.1007/s10640-025-01048-z

2025 Savin I. King L.C. and J. van den Bergh, Analysing content of Paris climate pledges with computational linguistics, **Nature Sustainability** 8: 297–306 https://dx.doi.org/10.1038/s41893-024-01504-6

2024 Sarto i Monteys, V., Savin, I., Tutusaus, G.T. and M. Bedos Balsach, New evidence on the spread in Catalonia of the invasive longhorn beetle, Xylotrechus chinensis, and the efficacy of abamectin control. **Scientific Reports** 14, 26754 (2024). https://doi.org/10.1038/s41598-024-78265-x

2024 Savin I. and J. van den Bergh, Reviewing studies of degrowth: Are claims matched by data, methods and policy analysis? **Ecological Economics** 226:108324 https://doi.org/10.1016/j.ecolecon.2024.108324

2024 Salekpay F., J. van den Bergh and I. Savin, Comparing advice on climate policy between academic experts and ChatGPT, **Ecological Economics** 226:108352 https://doi.org/10.1016/j.ecolecon.2024.108352

2024 Patino-Artaza H, King L.C., and I. Savin, Did COVID-19 really change our lifestyles? Evidence from transport energy consumption in Europe, **Energy Policy** 191:114204 https://doi.org/10.1016/j.enpol.2024.114204

2024 Savin I., S. Drews and J. van den Bergh, Carbon Pricing – Strengths, Weaknesses and Knowledge Gaps according to a Global Survey, **Environmental Research Letters,** 19 024014 https://doi.org/10.1088/1748-9326/ad1c1c

2024 Foramitti J., Savin I. and van den Bergh J., How carbon pricing affects human needs: An agent-based model analysis, **Ecological Economics**, 217:108070 https://doi.org/10.1016/j.ecolecon.2023.108070

2024 Drews S., Savin I. and J. van den Bergh A Global Survey of Scientific Consensus and Controversy on Climate Policy, **Ecological Economics**, 218: 108098 https://doi.org/10.1016/j.ecolecon.2023.108098

2024 Torren Peraire D., Savin I. and J. van den Bergh, An agent-based model of cultural change for a low-carbon transition, **Journal of Artificial Societies and Social Simulation**, 27(1):13 https://www.jasss.org/27/1/13.html

2024 Mestre Garcia C., Savin I. and J. van den Bergh, The nexus of COVID-19 and climate change: a literature review, **Journal of Economics and Statistics**, 244(3):237-266 https://doi.org/10.1515/jbnst-2023-0048

2024 Drapkin I, I. Savin and I. Zverev, Revisiting the effect of hosting large-scale sport events on international tourist inflows, **Journal of Sports Economics**, 25(1): 98-125 https://doi.org/10.1177/15270025231206393

2023 Savin I. Evolution and recombination of topics in Technological Forecasting and Social Change, **Technological Forecasting and Social Change** 194: 122723 https://doi.org/10.1016/j.techfore.2023.122723

2023 King L.C., Savin I. and S. Drews, Shades of green growth skepticism among climate policy researchers, **Nature Sustainability** 6, 1316–1320, https://doi.org/10.1038/s41893-023-01198-2

2023 van den Bergh J. and I. Savin, The Role of Interest in the Unsustainability of Growth: Analytical Findings Using an Accounting Model, **Sustainability: Science, Practice, and Policy**, 19(1): 2262830 https://doi.org/10.1080/15487733.2023.2262830

2023 Mundt P., Savin I., Cantner U., Inoue H. and S. Vannuccini, Peer Effects in Productivity and Differential Growth: A Global Value-Chain Perspective, **Industrial and Corporate Change,** https://doi.org/10.1093/icc/dtad022

2023 van den Bergh J. and I. Savin, Political leadership, climate policy and renewable energy, **Proceedings of the National Academy of Sciences**, 120 (14) e2301291120 https://doi.org/10.1073/pnas.2301291120

2023 Savin I. F. Creutzig, T. Filatova, J. Foramitti, T. Konc, L. Niamir, K. Safarzynska and J. van den Bergh, Agent-based modeling to integrate elements from different disciplines for ambitious climate policy, **WIREs Climate Change** 14(2): e811 https://doi.org/10.1002/wcc.811

2023 Savin I. and M. Novitskaya, Data-driven definitions of gazelle companies that rule out chance: Application for Russia and Spain, **Eurasian Business Review**, forthcoming https://doi.org/10.1007/s40821-023-00239-2

2023 Savin I., Chukavina K., Pushkarev A. Topic-based classification and identification of global trends for startup companies, **Small Business Economics**, 60: 659–689 https://doi.org/10.1007/s11187-022-00609-6

2023 Medase K. and I. Savin, Creativity, innovation and employment growth in sub-Saharan Africa, **African Journal of Economic and Management Studies**, https://doi.org/10.1108/AJEMS-02-2022-0074

2022 Savin I. and P. Mundt, Drivers of productivity change in global value chains: reallocation vs. innovation, **Economics Letters** 220: 110878 https://doi.org/10.1016/j.econlet.2022.110878

2022 Savin I. and J. van den Bergh, Tired of Climate Targets: Shift focus of "IPCC scenarios" from targets to policies, **Annals of the New York Academy of Sciences**, 1517(1):5-10 https://doi.org/10.1111/nyas.14900

2022 Savin I. and N. Teplyakov, Topics of the nationwide phone-ins with Vladimir Putin and their role for public support and Russian economy, **Information Processing & Management** 59(5):103043 https://doi.org/10.1016/j.ipm.2022.103043

2022 Drews S., Savin I., J. van den Bergh and S. Villamayor Climate concern and policy acceptance before and after COVID-19, **Ecological Economics** 199:107507 https://doi.org/10.1016/j.ecolecon.2022.107507

2022 Drews S., Savin I. and J. van den Bergh, Biased perceptions of other people's attitudes to carbon taxation, **Energy Policy** 167:113051 https://doi.org/10.1016/j.enpol.2022.113051

2022 Marson M. and I. Savin, Complementary or adverse? Comparing development results of foreign public funding from China and traditional donors in Africa, **Structural Change and Economic Dynamics** 62:189-206 https://doi.org/10.1016/j.strueco.2022.04.010

2022 Savin I., Drews S., J. van den Bergh and S. Villamayor Public expectations about the impact of COVID-19 on climate action by citizens and government, **PLOS One** 17 (6), e0266979 https://doi.org/10.1371/journal.pone.0266979

2022 Konc T., Drews S., I. Savin and J. van den Bergh, Co-dynamics of climate policy stringency and public support, **Global Environmental Change** 74:102528 https://doi.org/10.1016/j.gloenvcha.2022.102528

2022 Savin I., Ott I. and C. Konop, Tracing the evolution of service robotics: Insights from a topic modeling approach, **Technological Forecasting and Social Change** 174: 121280 https://doi.org/10.1016/j.techfore.2021.121280

2022 Ayres R.U., Savin I., van den Bergh J., Hao L., Exergy versus Labor in Aggregate Production Functions: Estimates for Ten Large Economies, **International Journal of Exergy**, 38(3): https://doi.org/10.1504/IJEX.2022.10048873

2022 Savin I. and N. Teplyakov, Insights on main research directions in Economy of Regions using methods from computational linguistics, **Economy of Regions** 18(2):338-352 https://doi.org/10.17059/ekon.reg.2022-2-3

2022 Savin, I.V., Letyagin, D.K. Estimating the role of labor resources reallocation between sectors on the growth of aggregate labor productivity in the Russian economy, **R-economy** 8(1): 57–67 https://doi.org/10.15826/recon.2022.8.1.005

2021 Mestre-Andrés S., Drews S., Savin I. and J. van den Bergh, Carbon tax acceptability with information provision and revenue mixes, **Nature Communications** 12, 7017, https://doi.org/10.1038/s41467-021-27380-8

2021 van den Bergh J. and I. Savin, Impact of carbon pricing on low-carbon innovation and deep 5ecarbonization: A more positive assessment, **Environmental and Resource Economics** 80: 705–715 https://doi.org/10.1007/s10640-021-00594-6

2021 Foramitti J., Savin I. and van den Bergh J., Regulation at the source? Comparing upstream and downstream climate policies, **Technological Forecasting and Social Change** 172:121060 https://doi.org/10.1016/j.techfore.2021.121060

2021 Savin I. and J. van den Bergh, Main topics in EIST during its first decade: A computational-linguistic analysis, **Environmental Innovation and Societal Transition,** 41:10-17, https://doi.org/10.1016/j.eist.2021.06.006

2021 Savin I., Drews S. and J. van den Bergh, GEM: A short "Growth-vs-Environment" Module for survey research, **Ecological Economics** 187: 107092 https://doi.org/10.1016/j.ecolecon.2021.107092

2021 Klein F., Drews S., I. Savin and J. van den Bergh, Time-use analysis of work patterns, leisure activities and resulting energy use for Finland and France**, Energy Research & Social Science** 76:102054 https://doi.org/10.1016/j.erss.2021.102054

2021 van den Bergh J., Castro J., Drews S., Exadaktylos F., Foramitti J., Klein F., T. Konc and Savin I., Designing an Effective Climate-Policy Mix: Accounting for Instrument Synergy, **Climate Policy** 21(6):745-764, https://doi.org/10.1080/14693062.2021.1907276

2021 Wang N., Xiao M. and I. Savin, Complementarity Effect in the Innovation Strategy: Internal R&D and Acquisition of Capital with Embodied Technology, **Journal of Technology Transfer** 46:459–482 https://doi.org/10.1007/s10961-020-09780-y

2021 Sarto I Monteys V., Costa Ribes A. and I. Savin, The invasive longhorn beetle Xylotrechus chinensis, pest of mulberries, in Europe: study on its local spread and efficacy of abamectin control, **PLOS One** 16(1): e0245527 https://doi.org/10.1371/journal.pone.0245527

2021 Savin I., On optimal regimes of knowledge exchange: A model of recombinant growth and firm networks, **Journal of Economic Interaction and Coordination** 16(3): 497-527 https://doi.org/10.1007/s11403-020-00314-1

2021 Savin I., Drews S. and J. van den Bergh, Free associations of citizens and scientists with (green) economic growth: A computational linguistics analysis, **Ecological Economics,** 180: 106878, https://doi.org/10.1016/j.ecolecon.2020.106878

2021 Foramitti J., Savin I. and van den Bergh J., Emission tax vs. permit trading under bounded rationality and dynamic markets, **Energy Policy** 148(B):112009 https://doi.org/10.1016/j.enpol.2020.112009

2021 Konc T., I. Savin and J. van den Bergh, The social multiplier of environmental policy: application to carbon taxation, **Journal of Environmental Economics and Management**, 105:102396 https://doi.org/10.1016/j.jeem.2020.102396

2020 Savin I. Studying market selection in Russia and abroad: Measurement problems, national specificity and stimulating methods, **Journal of the New Economic Association** 48 (4):197-204 (In Russ.) DOI: 10.31737/2221-2264-2020-48-4-9

2020 Devitsyn I. N., Savin I. V. Research Community Analytic Tool Based on Topic Modeling and Network Analysis. **Russian Journal of Cybernetics** 1(4):13–21. (In Russ.) DOI: 10.51790/2712-9942-2020-1-4-2.

2020 Savin I.V., Mariev O.S., Pushkarev A.A. Measuring the strength of market selection in Russia: When the (firm) size matters. **Voprosy Ekonomiki**. 2020(2):101-124. (In Russ.) https://doi.org/10.32609/0042-8736-2020-2-101-124

2020 Mariev, O. S., Savin I. V. & Teplyakov, N. S. Modelling the Impact of Sanctions on Income Inequality of Population in the Target Countries. **Economy of Regions**: 16(2), 363-376 (In Russ.) http://doi.org/10.17059/2020-2-3

2020 Savin I., Drews S., Mestre-Andrés S. and J. van den Bergh, Public views on carbon taxation and its fairness: A computational-linguistics analysis, **Climatic Change**, 162: 2107–2138, https://doi.org/10.1007/s10584-020-02842-y

2020 Savin I., Marson M. and M. Sutormina, How different aid flows affect different trade flows: Evidence from Africa and its largest donors, **Structural Change and Economic Dynamics** 55:119-136, https://doi.org/10.1016/j.strueco.2020.08.004

2020 Castro J., Drews S., Exadaktylos F., Foramitti J., Klein F., Konc T., Savin I. and van den Bergh J., A Review of Agent-based Modelling of Climate-Energy Policy, **WIREs Climate Change** 11(4):e647 https://doi.org/10.1002/wcc.647

2020 Blueschke D., I. Savin and V. Blueschke-Nikolaeva, An evolutionary approach to passive learning in optimal control problems, **Computational Economics** 56(3):659–673 https://doi.org/10.1007/s10614-019-09961-4

2020 Delgado Castillo A., van den Bergh J., Savin I., V. Sarto I Monteys, Cost-benefit analysis of conservation policy: The red palm weevil in Catalonia, Spain, **Ecological Economics**, 167:106453 https://doi.org/10.1016/j.ecolecon.2019.106453

2019 Savin I., Mariev O., Pushkarev A. Survival of the Fittest? Measuring the Strength of Market Selection on the Example of the Urals Federal District. **HSE Economic Journal** 23(1): 90-117 (In Russ.) https://doi.org/10.17323/1813-8691-2019-23-1-90-117

2019 Konc T. and I. Savin, Social reinforcement with weighted interactions, **Physical Review E** 100: 022305 https://doi.org/10.1103/PhysRevE.100.022305

2019 van den Bergh J., I. Savin and S. Drews, Evolution of opinions in the growth-vs-environment debate: Extended replicator dynamics, **Futures** 109:84-100, https://doi.org/10.1016/j.futures.2019.02.024

2019 Drews S., I. Savin and J. van den Bergh, Opinion Clusters in Academic and Public Debates on Growth-vs-Environment, **Ecological Economics** 157:141-155, https://doi.org/10.1016/j.ecolecon.2018.11.012

2019 Cantner U., Savin I. and S. Vannuccini, Replicator dynamics in value chains: Explaining some puzzles of market selection, **Industrial and Corporate Change** 28(3): 589-611, https://doi.org/10.1093/icc/dty060

2018 Meckl J. and I. Savin, Factor-biased technical change and specialization patterns, **Central European Journal of Economic Modelling and Econometrics** 10(2): 75-100, www.journals.pan.pl/Content/107675

2018 Savin I., Blueschke D. and Blueschke-Nikolaeva V., Slow and steady wins the race: approximating Nash equilibria in nonlinear quadratic tracking games, **Journal of Economics and Statistics** 238(6):541-570 https://doi.org/10.1515/jbnst-2017-0132

2018 Korzinov V. and I. Savin, General Purpose Technologies as an Emergent Property, **Technological Forecasting and Social Change** 129: 88-104, https://doi.org/10.1016/j.techfore.2017.12.011

2018 d'Andria D. and I. Savin, A Win-Win-Win? Motivating innovation in a knowledge economy with tax incentives, **Technological Forecasting and Social Change** 127:38-56, https://doi.org/10.1016/j.techfore.2017.05.030

2017 Herrmann J.K. and I. Savin, Optimal Policy Identification: Insights from the German Electricity Market, **Technological Forecasting and Social Change** 122I: 71-90, https://doi.org/10.1016/j.techfore.2017.04.014

2017 Blueschke D. and I. Savin, No such thing as a perfect hammer: comparing different objective function specifications for optimal control, **Central European Journal of Operations Research** 25(2): 377-392, https://doi.org/10.1007/s10100-016-0446-7

2016 Savin I. and D. Blueschke, Lost in translation: Explicitly solving nonlinear stochastic optimal control problems using the median objective value, **Computational Economics** 48(2): 317-338 https://doi.org/10.1007/s10614-015-9526-3

2016 Savin I. and A. Egbetokun, Emergence of innovation networks from R&D cooperation with endogenous absorptive capacity, **Journal of Economic Dynamics and Control** 64: 82-103, https://doi.org/10.1016/j.jedc.2015.12.005

2015 Marson M. and I. Savin, Ensuring sustainable access to drinking water in Sub Saharan Africa: Conflict between financial and social objectives, **World Development** 76:26-39, https://doi.org/10.1016/j.worlddev.2015.06.002

2014 Egbetokun A. and I. Savin, Absorptive capacity and innovation: When is it better to cooperate? **Journal of Evolutionary Economics** 24(2):399-420, https://doi.org/10.1007/s00191-014-0344-x

2013 Blueschke D., Blueschke-Nikolaeva V. and I. Savin, New insights into optimal control of nonlinear dynamic econometric models: application of a heuristic approach, **Journal of Economic Dynamics and Control** 37(4): 821-837, https://doi.org/10.1016/j.jedc.2012.12.003

2013 Savin I., A comparative study of the Lasso-type and heuristic model selection methods, **Journal of Economics and Statistics**, 233(4): 526-549, https://doi.org/10.1515/jbnst-2013-0406

2012 Savin I. and P. Winker, Heuristic model selection for leading indicators in Russia and Germany, **Journal of Business Cycle Measurement and Analysis** 2012/2, https://doi.org/10.1787/19952899

2012 Savin I. and P. Winker, Heuristic optimization methods for dynamic panel data model selection. Application on the Russian innovative performance, **Computational Economics**, 39(4): 337-363, https://doi.org/10.1007/s10614-010-9243-x

2010 Mariev, O., Savin, I. Factors of innovative activity in Russian regions: modeling and empirical analysis. **Economy of Regions** 1(3): 235–244 (In Russ.)

2009 Savin I. and P. Winker, Forecasting Russian foreign trade comparative advantages in the context of a potential WTO accession, **Central European Journal of Economic Modelling and Econometrics** 1(2): 111-138, www.cejeme.com/publishedarticles/2009-19-11-633908963415312500-1763.pdf

B. Books, book chapters and book reviews

2023 Savin I. Agent-based Modelling, Elgar Encyclopaedia of Ecological Economics, pp.1-7 https://doi.org/10.4337/9781802200416.ch01

2019 Savin I., Book review of Handbook of Game Theory and Industrial Organization, Volume I Theory, Luis C. Corchón and Marco A. Marini (eds.), **Journal of Economics and Statistics** 239(4):761-764 https://doi.org/10.1515/jbnst-2018-0061

2015 Egbetokun A. and I. Savin Absorptive capacity and innovation: When is it better to cooperate? Pp. 373-399 In: A. Pyka and J. Foster (eds) The Evolution of Economic and Innovation Systems, Springer, Berlin, Heidelberg, https://www.springer.com/gp/book/9783319132983#

2013 Savin I., Russia's Comparative Advantages in Foreign Trade: Forecasting Potential Dynamics and Identifying Stimulation Measures, Schriften zur empirischen Wirtschaftsforschung Band 21, Peter Lang Verlag, Frankfurt am Main (PhD thesis), https://www.peterlang.com/view/title/15951

2013 Savin I. and P. Winker, Lasso–type and heuristic strategies in model selection and forecasting, pages 165-176 In: Borgelt C., M.A. Gil, J. Sousa and M. Verleysen (Eds.) Towards Advanced Data Analysis by Combining Soft Computing and Statistics, Springer, Berlin, https://link.springer.com/chapter/10.1007%2F978-3-642-30278-7_14

C. Working papers

2026 Abdelazim Y., Savin I. and V. Strauss-Kahn, **Emission Impossible: Can Environmental Policies Avoid Trade-off between Preserving Trade Competitiveness and Reducing Emissions?**

2025 Savin I., Pushkarev A. and A. Yakovlev, **The Walking Dead Gone? The Cleansing Effect of the 2014–2015 Crisis on Zombie Firms in Russia**

2025 Tao Y, Savin I. and H. Patino-Artaza, **From Disruption to Decarbonisation: The Lasting Impact of COVID-19 on EU Transport Energy Consumption**

2025 Bergamini E., I. Savin and J. van den Bergh, **Communication by scientists on Twitter shows little consensus about climate policy**

2024 Savin I., Mundt P. and M. Bellanca, **The paradox of climate policy diffusion**

2024 Abdelazim Y. and I. Savin, **Rising Tides, Rising Yields: Examining Climate-Induced Sovereign Risk**

2024 Savin I. and R. Coeurderoy, **Reviewing and classifying scientific contributions from ESCP Business School**

2023 Núñez Yebra P., van den Bergh J., Savin I. and J. Zsiros, **Conditions and pathways for a climate club to reach a more ambitious global treaty**

2023 Villamayor Tomas S. I. Savin, Blanco E. S. Drews, and J. van den Bergh, **Exposure to pandemics decreases climate action altruism at the national but not international scale**

2023 Marson M. and I. Savin, **How far away? The effect of rural access to roads on sustainable development**

D. Work in Progress

Tao M., S. Poletti, M.S. Sheng, X. Ren and I. Savin, **Myth versus Reality: Cross-Country Review of Carbon Pricing Schemes**

Belaid N., Marson M., Mundt P. and I. Savin, **Raising productivity and sustainability in agriculture: exploring synergy effects from domestic and foreign innovations**

Savin I., J. Birkholz and P. Winker, **Exploring political narratives in Europe and their role in election success**

Dosi G., I. Luna, N. Mathew, E.Y.H. Netto, I. Savin and X. Yu, **Productivity, market selection and corporate growth: Comparative evidence from BRIC nations**

Exadaktylos F., Savin I., J. van den Bergh **Behavioral microfoundations of rebound: application to UK car use**

Sarto I Monteys V., Savin I., van den Bergh J., **The role of global warming on spread of invasive exotic species in the Ibero-Balearic region**

Presentations

Conferences

2026: World Congress of Environmental and Resource Economists (**WCERE**) in Lisbon, European Association for Evolutionary Political Economy (**EAEPE**) in Lausanne,
2025: 30th Annual Conference of the European Association of Environmental and Resource Economists (**EAERE**) in Bergen, Biennial Conference of the International Society for Ecological Economics (**ISEE**) in Oslo, Computing in Economics and Finance (**CEF**) in Santiago de Chile, **EAEPE** in Athens, the European Climate and Energy Modelling Platform 2025 (**ECEMP**) in Brussels
2024: Growth vs Climate Conference 2024 (ICTA UAB), **CEF** in Singapore, **EAERE** in Leuven, 26th International Conference on Computational Statistics (**COMPSTAT**) in Giessen
2023: Nonlinear Economic Dynamics (**NED**) in Kristiansand, **EAERE** in Limassol; **CEF** in Nice, **ISEE** in Santa Marta
2022: 10th Annual conference of the Italian Association of Environmental and Resource Economists (**IAERE**), **EAERE** in Rimini, Barcelona School of Economics (**BSE**) Summer Forum Workshop on Computational and Experimental Economics, **COMPSTAT** in Bologna
2021: Workshop on Economic Science with Heterogeneous Interacting Agents **(WEHIA)** workshop, Schumpeter Society Conference (**ISS**) in Rome, 8th European Conference on Corporate R&D and Innovation (**CONCORDi**), EU Conference on modelling for policy support
2020: ICTA-UAB international conference on low-carbon lifestyle changes, **EAEPE**, AISSEC XXI scientific conference
2019: European Meeting on Applied Evolutionary Economics **(EMAEE)** in Brighton
2018: ISS in Seoul
2017: EMAEE in Strasbourg; **CONCORDi** in Seville; **EAEPE** in Budapest;
2016: ISS in Montreal; European Conference on Operational Research (**EURO**) in Poznan; CEF in Bordeaux;
2015: Regional Innovation Policies (**RIP**) Conference in Karlsruhe; Congress of the German Economic Society (**VfS**) in Muenster; **EMAEE** in Maastricht;
2014: ISS Conference in Jena;
2013: Conference on System Modelling and Optimization (**IFIP TC 7**) in Klagenfurt; **CEF** in Vancouver; Congress of the European Economic Association (**EEA**) in Gothenburg;
2012: COMPSTAT in Limassol; **ISS** in Brisbane; Computational Management Science (**CMS**) in London;
2011: Computational and Financial Econometrics (**CFE**) in London; European Meeting of the Econometric Society (**ESEM**) in Oslo;
2010: CFE in London; **VfS** in Kiel; **EEA** in Glasgow; **CMS** in Vienna;
2009: Macromodels Conference in Bochnia; **CFE** in Limassol

Invited Seminars

2026: Potsdam Institute for Climate (PIC), OCP Data & AI community, Helmholtz Centre for Environmental Research (UFZ)
2025: Climate Conclave, University of Leipzig, Aspen Global Change Institute Workshop, ESADE Department Seminar Series, Karlsruhe Institute of Technology, University of Brescia
2024: Catholic University in Milan
2023: Université catholique de Louvain (UCL), DTU Sustainability, Society and Economics, ERC project SMOOTH, University of Bremen (IERP colloquium), Universitat Jaume I research seminar, Universitat de Girona research seminar, Max Planck Institute of Geoanthropology research workshop
2022: Ca' Foscari, Venice(x2), PIK Potsdam Institute for Climate Impact Research, Catholic University in Milan(x2), CEE-M Montpellier
2021: Potsdam Institute for Climate Impact Research; 7th OEET workshop in Turin
2019: GSEM UrFU; KIT Karlsruhe;
2017: JLU Giessen, UNU-MERIT Maastricht, University of Varese, GSEM UrFU;
2016: ETH Zurich; FSU Jena; University of Klagenfurt;
2015: Sant'Anna School of Advanced Studies, Pisa; 1st EAEPE – RA[X] Workshop, Essen; **2014:** SKEMA Business School, Nice; University of Turin; Bocconi University, Milan;
2013: Sant'Anna School of Advanced Studies, Pisa; Solvay Brussels School

Awards, Scholarships and Third-Party Funding

01/2022	Work package coordinator in the ClimAte Policy AcceptaBiLity Economic (**CAPABLE**) framework, the EU Horizon Europe research and innovation programme under grant agreement n° 101056891
2022 and 2025	Top 5 candidate for the USERN prize in Social Sciences
03/2021	Marie Skłodowska-Curie Innovative Training Network: Economic Policy in Complex Environments (**EPOC**), grant № H2020-MSCA-ITN-2020- EPOC (EA617526) together with 22 scholars from seven universities
04/2019	RSF grant №19-18-00262, lead researcher with nine other scholars from GSEM UrFU
03/2019	Grant from the President of the RF for young doctors of science, number MD-3196.2019.6
02/2019	Prize of the Governor of Sverdlovsk region for the best study on economics for young researchers
03/2018	RFBR grant №18-310-00413, lead researcher with two other scholars from GSEM UrFU
01/2018	RFBR grant №18-010-01190, together with four other scholars from GSEM UrFU
10/2017	Grant for workshop from Confédération européenne des Universités du Rhin Supérieur
05/2017	Helmholtz International Research Group (HIRG-0069) (together with Prof. Dr. Ingrid Ott)
07/2016	DAAD (German Academic Exchange Service) conference travel grant
06/2015	Young Economists Award from Austrian Economic Association
08/2014	Support grant from FSU to obtain third-party funding for junior researchers
01/2013	Award for Excellence in Publishing from the Alpen Adria University
08/2012	DAAD (German Academic Exchange Service) conference travel grant
10/08 - 08/11	DAAD scholarship for PhD study
09/06 - 07/07	DAAD ERP scholarship for study at the University of Passau

Media Coverage

2026	Savin I. and L.K. King "Most EU citizens support economic growth even though climate experts question its role" **The Conversation Europe** https://theconversation.com/most-eu-citizens-support-economic-growth-even-though-climate-experts-question-its-role-285422
2026	Savin I. Los votantes que podrían decidir el futuro climático de Europa y de España. **EFEVerde**, https://efeverde.com/los-votantes-que-podrian-decidir-el-futuro-climatico-de-europa-y-de-espana-por-ivan-savin/
2025	Savin I. and L.K. King "How countries define climate action in Paris Agreement pledges – and why a standard format could help assess outcomes" **The Conversation Europe** https://theconversation.com/how-countries-define-climate-action-in-paris-agreement-pledges-and-why-a-standard-format-could-help-assess-outcomes-251848
2025	Savin I. ¿Son reales los compromisos climáticos de los países? Lo que revelan los compromisos de París. **EFEVerde**, https://efeverde.com/son-reales-los-compromisos-climaticos-de-los-paises-lo-que-revelan-los-compromisos-de-paris-por-ivan-savin-escp-business-school/
2024	S. Keynes, What's wrong with research about 'degrowth'? **Financial Times** https://www.ft.com/content/10fb32c7-67a0-48ff-9fe3-b6e7cd423004
2024	Savin I. and J. van den Bergh, "No solid scientific basis for degrowth" **VoxEU/CEPR policy portal** https://cepr.org/voxeu/columns/no-solid-scientific-basis-degrowth
2024	Savin I. and H. Patiño de Artaza "Fewer car journeys and more flights: how Covid-19 has changed the way we travel" **The Conversation Europe** https://theconversation.com/fewer-car-journeys-and-more-flights-how-covid-19-has-changed-the-way-we-travel-235704
2024	Savin I. „What do scientists think about different climate policy? And why should we care?", **World Economic Forum**, https://www.weforum.org/agenda/2024/03/who-s-measuring-the-climate-policy-efficacy-and-public-opinion-and-what-can-we-learn/

2024 Savin I. "Does hosting the Olympics, the World Cup or other major sports events really pay off?" **The Conversation Europe** https://theconversation.com/does-hosting-the-olympics-the-world-cup-or-other-major-sports-events-really-pay-off-222118

2023 Savin I. and L.K. King "Idea of green growth losing traction among climate policy researchers, survey of nearly 800 academics reveals" **The Conversation Europe** https://theconversation.com/idea-of-green-growth-losing-traction-among-climate-policy-researchers-survey-of-nearly-800-academics-reveals-213434

2023 Savin I. and Novitskaya M. „A much-needed methodology aimed at identifying and helping gazelles", **World Economic Forum**, https://www.weforum.org/agenda/2023/09/gazelles-an-endangered-yet-essential-species-of-company

2022 Galieva D. "Non-random «gazelles»" (in Russian) **Kommersant** https://www.kommersant.ru/doc/5939075 (based on https://doi.org/10.1007/s40821-023-00239-2)

2021 Drews S., Mestre-Andrés S., Savin I., and J. van den Bergh¿Le parece bien que se grave el carbono? ¿A qué dedicar lo recaudado? (in Spanish) **Agenda Publica El Pais** https://agendapublica.elpais.com/noticia/17781

2021 Savin I. "Explaining how carbon pricing works increases its support" (in Russian) **Kommersant** https://www.kommersant.ru/doc/5118118

2020 Savin I. „New model allows to better estimate climate instruments" (in Russian) **Gazeta.Ru** https://www.gazeta.ru/science/news/2020/11/30/n_15299719.shtml

2020 Drews S., Savin I., J. van den Bergh and S. Villamayor "COVID-19: ¿Nos preocupa ahora menos el cambio climático?" (in Spanish) **The Conversation** https://theconversation.com/covid-19-nos-preocupa-ahora-menos-el-cambio-climatico-146694

2019 Savin I. „Social networks are more efficient in diffusing behavioural norms" (in Russian) **Gazeta.Ru** https://www.gazeta.ru/science/news/2019/11/19/n_13716632.shtml

2016 D. Blueschke and I. Savin „Nullzinspolitik der EZB: Wenn "einer für alle" und "jeder gegen jeden" übereinstimmen" (in German), **Ökonomenstimme**, http://www.oekonomenstimme.org/artikel/2016/07/nullzinspolitik-der-ezb-wenn-einer-fuer-alle-und-jeder-gegen-jeden-uebereinstimmen/

2015 Savin I. (2015, February 10). Management of networking in creating new knowledge | Ivan Savin | **TEDx**FSUJena [Video file]. Retrieved from https://www.youtube.com/watch?v=kvoNSil41DU

Teaching Experience

Graduate level

Winter 24/25
Winter 25/26 BA course "Advanced Statistics", MA course "Machine Learning", MA course "Innovation and Business Ideas" and MA course "Application of Machine Learning to Textual Data Analysis" at ESCP Madrid, in English

Winter 23/24 BA course "Advanced Statistics" and MA course "Machine Learning" at ESCP Madrid, in English

Winter 22/23 MA course "Applied Research Methods in Economics" at GSEM UrFU, in English

Winter 21/22 PhD course "Topic modelling method to analyse textual data" at ICTA-UAB, in English; MA course "Applied Research Methods in Economics" at GSEM UrFU, in English

Winter 20/21	MA course "Applied Research Methods in Economics" at GSEM UrFU, in English; MA course "Topic Modelling" at GSEM UrFU, in Russian
Winter 19/20	MA course "Applied Research Methods in Economics" at GSEM UrFU, in English MA course "Applied Research Methods in Economics" at GSEM UrFU, in English
Winter 18/19	MA course "Economics of Innovation" at GSEM UrFU, in English; PhD course 'Evolutionary Optimization Methods' at the University of Insubria, in English;
Winter 17/18	MA course "Innovation theory and policy", KIT Karlsruhe, in German
Summer 17	PhD course "Evolutionary Optimizations Methods", BETA, France, in English; Seminar in Economic Policy, KIT Karlsruhe, in English; MA course 'Monte Carlo simulation methods' at GSEM UrFU, in Russian
Summer 16	MA course "Methods in Economic Dynamics", KIT Karlsruhe, in English
Winter 15/16	MA course "Economics of Innovation I" and Seminar "Economics of Innovation", FSU Jena, in English;
Summer 15	MA course 'Monte Carlo simulation methods' at GSEM UrFU and Higher School of Economics (Perm campus, Russia), in Russian
Winter 14/15	PhD course 'Monte Carlo simulation methods' at the University of Insubria in English; and MA course 'Economics of Innovation' at the University of Tbilisi, in German
Summer 14	MA course 'Monte Carlo simulation methods' at GSEM UrFU, in Russian; MA course 'Advanced Microeconomics', FSU Jena, in English
Winter 13/14	PhD course 'Monte Carlo simulation methods' at FSU Jena and the University of Insubria (Varese, Italy), both in English
Summer 13	PhD course 'Monte Carlo simulation methods' and seminar for PhD students 'Introduction to LaTeX', FSU Jena, both in English
Summer 12	Seminar 'Presenting Science' for PhD students, FSU Jena, in English
Summer 10 – winter 10/11	Econometrics I & II exercise classes for MA students, chair of statistics and econometrics, JLU Giessen, in English and German
	Undergraduate level
Summer 09 – winter 09/10	Statistics I & II exercise classes (in English and German), chair of statistics and econometrics, JLU Giessen
	Student supervision
2018-present	Supervision of 6 PhD students at ICTA-UAB (5 PhD student graduated) and 3 at ESCP
2017-present	Supervision of 4 MSc these at ESCP, 2 MSc theses at ICTA-UAB and 5 MSc theses at UrFU
Winter 15/16	Advisor of MA students for the seminar "Economic Policy", KIT Karlsruhe
Winter 14/15	Advisor of MA students for the seminar "Economics of Innovation", FSU Jena
Winter 11-Summer 15	Advisor of PhD students (≈ 5 per term) at the GSBC EIC as a second advisor (first advisor – Prof. Dr. Uwe Cantner), FSU Jena
Summer 09	Advisor of MA students for the seminar "Human Capital and Growth", JLU Giessen
	<u>Service to the Discipline</u>
2023-present	Member of editorial board of the journal **Technological Forecasting and Social Change**

2022-present	Associate Editor of the **Journal of Economic Interaction and Coordination**
2020-present	Member of editorial board of the journal **Economy of Regions**
2017	Co-organizer of the **10th European Meeting on Applied Evolutionary Economics** in Strasbourg
2017	Co-organizer of the **5th Annual meeting of the German Network on New Economic Dynamics** (GENED) in Karlsruhe
2015-2018	**Coordinator of the series of KIT-BETA** workshops (two times per year) to be held interchangeably at BETA Strasbourg or KIT Karlsruhe
2015	Co-organizer of **Doctoral Day** for the 10th International **Regional Innovation Policies Conference** in Strasbourg
2014	Co-organizer of the **15th International J. A. Schumpeter Society Conference** in Jena (co-organizer)

Referee

Peer-reviewed journals	Nature Climate Change, Nature Sustainability(x5), Nature Communications (x5), Proceedings of the National Academy of Sciences, Research Policy(x2), One Earth, Journal of Economic Dynamics and Control(x5), Journal of Economic Behaviour and Organization(x4), Journal of Environmental Psychology(x5), Global Environmental Change(x7), Technological Forecasting and Social Change(x30), Climate Policy(x10), Journal of Economics and Statistics(x4), Journal of Evolutionary Economics(x5), Journal of Comparative Economics, Regional Studies, Industrial and Corporate Change(x3), Ecological Economics(x55), Economics Letters, Energy Policy(x20), Energy Economics(x5), Resource and Energy Economics, Scientific Reports(x4), Review of Industrial Organization, Journal of Economic Interaction and Coordination(x8), Computational Economics(x15), Econometrics and Statistics, Environmental Innovation and Societal Transitions(x4), Journal of Business Research(x2), Energy Strategy Reviews(x4), Economics of Innovation and New Technology(x2), Economic Modelling, International Economics, Journal of Information Processing & Management(x6), Journal of Economic Surveys(x2), Journal of Productivity Analysis, Economy of Regions(x10), Technovation(x2), Technology Analysis & Strategic Management (x2), Advances in Complex Systems, Journal of Environmental Studies and Sciences, Social Networks, Journal of Institutional and Theoretical Economics, Journal of Business Cycle Measurement and Analysis, Journal of Artificial Societies and Social Simulation(x2), Financial Innovation, Technikfolgenabschätzung in Theorie und Praxis, Journal of Innovation Economics and Management, Natural Hazards and Earth System Sciences
Other	Luxembourg National Research Fund (FNR), National Science Centre of Poland, Russian Science Foundation

Memberships

2022- Present	European Association of Environmental and Resource Economists
2013- Present	German Network on New Economic Dynamics, Society for Computational Economics
08/12-04/15	Elected postdoc representative of the Board of the Jena Graduate Academy
09/09-12/12	Junior member of the EU funded research network "COST Action IC0702 - Combining Soft Computing Techniques and Statistical Methods to improve Data Analysis Solutions", http://www.cost-ic0702.org/objective.html
10/08-12/10	Member of the EU funded Marie Curie research and training network "Computational Optimization Methods in Statistics, Econometrics and Finance (COMISEF)", http://comisef.wikidot.com/

Training and Qualifications

Technical skills	Excellent knowledge of MS Office, LaTeX, R, MatLab, Python Good knowledge of Eviews, Stata, Pascal, Datastream, Octave, UCINET, Gephi
Language skills	Russian: native German: fluent

English: fluent
Spanish: intermediate

Activities

Hobbies Photography, swimming, chess

References:

Prof. Jeroen C.J.M. van den Bergh, ICREA Research Professor, Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona; Honorary Professor of Environmental & Resource Economics, FEWEB & IvM, VU University Amsterdam
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webpage: https://www.icrea.cat/Web/ScientificStaff/Jeroen-van-den-Bergh-424

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Prof. Robin Cowan, Professor of Economics at the Bureau d'Economie Theorique et Appliquée (BETA), at the Université de Strasbourg, and Professor of Economics of Technical Change at the Maastricht Economic and Social Research Institute on Innovation and Technology, UNU-MERIT, at the University of Maastricht
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webpage: https://www.merit.unu.edu/about-us/profile/?staff_id=20

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Fax: +49 (0)3641 9 43202
email: Uwe.Cantner(at)uni-jena.de
webpage: https://www.microtheory.uni-jena.de/cantner

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