

## *Ivan Savin*

### **Address and contact information:**

C. Navalmanzano, 6, 28035, Madrid, Spain

Email: [isavin@escp.eu](mailto:isavin@escp.eu), [Ivan.Savin@uab.cat](mailto:Ivan.Savin@uab.cat)

Tel: +34 935868779, Homepage: <http://www.ivanvsavin.org>, Twitter [@IvanVSavin](https://twitter.com/IvanVSavin), [LinkedIn](#)

ORCID <https://orcid.org/0000-0002-9469-0510>, [Google Scholar](#) (h-index 26, Citations 1748)

### **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 – Present 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**

- 2024 Savin I. and J. van den Bergh, Reviewing degrowth studies: Bold claims unmatched by solid data, methods, data and policy research? **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 decarbonization: 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 Monteyes 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 Montey, 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](http://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** 122: 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](http://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](https://link.springer.com/chapter/10.1007%2F978-3-642-30278-7_14)

## C. Working papers

- 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 Salekpay F. I. Savin and J. van den Bergh, **Ex-ante vs ex-post assessment of socio-economic diversity in climate-policy studies**
- 2024 Savin I. and R. Coeurderoy, **Reviewing and classifying scientific contributions from ESCP Business School**
- 2024 Savin I. King L.C. and J. van den Bergh, **Categorising content of Paris Agreement NDCs through computational linguistics**
- 2024 Sarto I Montey's V., Savin I., Torras Tutusaus G., and Bedós Balsach M., **New evidence on the spread in Catalonia of the invasive longhorn beetle, *Xylotrechus chinensis*, and the efficacy of abamectin control.**
- 2023 Núñez Yebra P., Savin I. , van den Bergh J. and J. Zsiros, **Dynamic agent-based modelling of a global climate club**
- 2023 Midões C., I. Savin and J. van den Bergh, **A meta-analysis of synergy between carbon pricing and renewable-energy policies**
- 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**
- 2023 van den Bergh J., G. Papachristos and I. Savin, **Impact of GDP anchoring bias in behaviour on macroeconomic dynamics: A modelling exercise**

## D. Work in Progress

Savin I., Pushkarev A. and A. Yakovlev, "**Zombie**"-companies in Russia: their specificity and role for the economy

Bergamini E., I. Savin and J. van den Bergh, **Exploring expert opinion on climate policy using Twitter**

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

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

Rayo A., Savin I. and E. Corbera **Motivations in payments for ecosystem services**

### Presentations

#### Conferences

**2024:** Growth vs Climate Conference 2024 (ICTA UAB), Computing in Economics and Finance (**CEF**) in Singapore, 29<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (**EAERE**) in Leuven, 26<sup>th</sup> International Conference on Computational Statistics (**COMPSTAT**) in Giessen

**2023:** Nonlinear Economic Dynamics (**NED**) in Kristiansand, **EAERE** in Limassol; CEF in Nice, Biennial Conference of the International Society for Ecological Economics (**ISEE**) in Santa Marta

**2022:** 10<sup>th</sup> 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, 8<sup>th</sup> 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, European Association for Evolutionary Political Economy (**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

**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; 7<sup>th</sup> 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; 1<sup>st</sup> 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	Coordinator in the ClimAte Policy AcceptaBility Economic (CAPABLE) framework, the EU Horizon Europe research and innovation programme under grant agreement n° 101056891
2022	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**

2024	Savin I. and H. Patiño de Artaza "Fewer car journeys and more flights: how Covid-19 has changed the way we travel" <b>The Conversation Europe</b> <a href="https://theconversation.com/fewer-car-journeys-and-more-flights-how-covid-19-has-changed-the-way-we-travel-235704">https://theconversation.com/fewer-car-journeys-and-more-flights-how-covid-19-has-changed-the-way-we-travel-235704</a>
2024	Savin I. „What do scientists think about different climate policy? And why should we care?“, <b>World Economic Forum</b> , <a href="https://www.weforum.org/agenda/2024/03/who-s-measuring-the-climate-policy-efficacy-and-public-opinion-and-what-can-we-learn/">https://www.weforum.org/agenda/2024/03/who-s-measuring-the-climate-policy-efficacy-and-public-opinion-and-what-can-we-learn/</a>
2024	Savin I. "Does hosting the Olympics, the World Cup or other major sports events really pay off?" <b>The Conversation Europe</b> <a href="https://theconversation.com/does-hosting-the-olympics-the-world-cup-or-other-major-sports-events-really-pay-off-222118">https://theconversation.com/does-hosting-the-olympics-the-world-cup-or-other-major-sports-events-really-pay-off-222118</a>
2023	Savin I. and L.K. King "Idea of green growth losing traction among climate policy researchers, survey of nearly 800 academics reveals" <b>The Conversation Europe</b> <a href="https://theconversation.com/idea-of-green-growth-losing-traction-among-climate-policy-researchers-survey-of-nearly-800-academics-reveals-213434">https://theconversation.com/idea-of-green-growth-losing-traction-among-climate-policy-researchers-survey-of-nearly-800-academics-reveals-213434</a>
2023	Savin I. and Novitskaya M. „A much-needed methodology aimed at identifying and helping gazelles“, <b>World Economic Forum</b> , <a href="https://www.weforum.org/agenda/2023/09/gazelles-an-endangered-yet-essential-species-of-company">https://www.weforum.org/agenda/2023/09/gazelles-an-endangered-yet-essential-species-of-company</a>
2022	Galieva D. "Non-random «gazelles»" (in Russian) <b>Kommersant</b> <a href="https://www.kommersant.ru/doc/5939075">https://www.kommersant.ru/doc/5939075</a> (based on <a href="https://doi.org/10.1007/s40821-023-00239-2">https://doi.org/10.1007/s40821-023-00239-2</a> )

- 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](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](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-ebb-wenn-einer-fuer-alle-und-jeder-gegen-jeden-uebereinstimmen/>
- 2015 Savin I. (2015, February 10). Management of networking in creating new knowledge | Ivan Savin | **TEDxFSUJena** [Video file]. Retrieved from <https://www.youtube.com/watch?v=kvoNSil41DU>

### **Teaching Experience**

#### **Graduate level**

- Winter 23/24 BA course "Advanced Statistics" at ESCP Madrid, in English; 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; MA course "Applied Research Methods in Economics" at GSEM UrFU, in English; MA course "Topic Modelling" at GSEM UrFU, in Russian
- Winter 20/21 MA course "Applied Research Methods in Economics" at GSEM UrFU, in English
- Winter 19/20 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
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### **Student supervision**

2018-present	Supervision of 6 PhD students at ICTA-UAB (2 PhD student graduated) and 1 PhD student at UrFU
2017-present	Supervision of 2 MSc theses at ICTA, UAB (1 student graduated) 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 ( $\approx 5$ 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

### **Service to the Discipline**

2023-present	Member of editorial board of the journal <b>Technological Forecasting and Social Change</b>
2022-present	Associate Editor of the <b>Journal of Economic Interaction and Coordination</b>
2020-present	Member of editorial board of the journal <b>Economy of Regions</b>
2017	Co-organizer of the <b>10<sup>th</sup> European Meeting on Applied Evolutionary Economics</b> in Strasbourg
2017	Co-organizer of the <b>5<sup>th</sup> Annual meeting of the German Network on New Economic Dynamics</b> (GENED) in Karlsruhe
2015-2018	<b>Coordinator of the series of KIT-BETA</b> workshops (two times per year) to be held interchangeably at BETA Strasbourg or KIT Karlsruhe
2015	Co-organizer of <b>Doctoral Day</b> for the 10th International <b>Regional Innovation Policies Conference</b> in Strasbourg
2014	Co-organizer of the <b>15<sup>th</sup> International J. A. Schumpeter Society Conference</b> in Jena (co-organizer)

### **Referee**

Journal of Economics and Statistics(x3), Journal of Evolutionary Economics(x5), Journal of Economic Dynamics and Control(x4), Nature Communications (x3), Proceedings of the

Peer-reviewed journals

National Academy of Sciences, Journal of Environmental Psychology, Journal of Comparative Economics, Regional Studies, Industrial and Corporate Change(x3), Global Environmental Change(x2), Technological Forecasting and Social Change(x25), Ecological Economics(x7), Economics Letters, Energy Policy(x12), Resource and Energy Economics, One Earth, Review of Industrial Organization, Journal of Economic Interaction and Coordination(x6), Computational Economics(x15), Econometrics and Statistics, Environmental Innovation and Societal Transitions(x4), Journal of Business Research(x2), Climate Policy(x5), Energy Strategy Reviews(x4), Economics of Innovation and New Technology(x2), Journal of Economic Behaviour and Organization, International Economics, Journal of Information Processing & Management(x6), Journal of Economic Surveys, 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, Technikfolgenabschätzung in Theorie und Praxis, Journal of Innovation Economics and Management, Natural Hazards and Earth System Sciences

National Science Centre of Poland, Russian Science Foundation(x60)

Other

### **Memberships**

European Association of Environmental and Resource Economists

2022- Present German Network on New Economic Dynamics, Society for Computational Economics

2013- Present Elected postdoc representative of the Board of the Jena Graduate Academy

08/12-04/15 Junior member of the EU funded research network "COST Action IC0702 - Combining Soft Computing Techniques and Statistical Methods to improve Data Analysis Solutions",  
09/09-12/12 <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**

Excellent knowledge of MS Office, LaTeX, R, MatLab, Python  
Good knowledge of Eviews, Stata, Pascal, Datastream, Octave, UCINET, Gephi

### **Technical skills**

Russian: native  
German: fluent  
English: fluent  
Spanish: intermediate

### **Language skills**

### **Activities**

Photography, swimming, chess

### **Hobbies**

## References:

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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

Address: Edifici Z, UAB Campus, 08193 Bellaterra, Spain

Telephone: +34 935868773

Fax: +34 93 581 40 70

email: [jeroen.bergh\(at\)uab.cat](mailto:jeroen.bergh(at)uab.cat)

webpage: <https://www.icrea.cat/Web/ScientificStaff/Jeroen-van-den-Bergh-424>

Prof. Herbert Dawid, Chair of Economic Theory and Computational Economics, University of Bielefeld, Germany

Address: Fakultät für Wirtschaftswissenschaften, Universitätsstr. 25, D-33615 Bielefeld

Telephone: +49 521 106-4843

Fax: +49 521 1066931

email: [hdawid\(at\)uni-bielefeld.de](mailto:hdawid(at)uni-bielefeld.de)

webpage: <http://herbert-dawid.de>

Prof. Dr. Ingrid Ott, Chair in Economic Policy, Karlsruhe Institute of Technology, Germany, and Kiel Institute for the World Economy (IfW), Germany

Address: Kaiserstraße 12, Chair in Economic Policy, D-76131 Karlsruhe; Germany

Telephone: +49 (0)721 608 45257

Fax: +49 (0)721 608 45255

email: [Ingrid.Ott\(at\)kit.edu](mailto:Ingrid.Ott(at)kit.edu)

webpage: <http://wipo.econ.kit.edu/english/index.php>

Prof. Robin Cowan, Professor of Economics at the Bureau d'Economie Théorique 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

Address: Université de Strasbourg, 61, avenue de la Forêt Noire, 67085 STRASBOURG Cedex

Telephone: + 33 3 68 85 21 85

email: [cowan\(at\)unistra.fr](mailto:cowan(at)unistra.fr)

webpage: [https://www.merit.unu.edu/about-us/profile/?staff\\_id=20](https://www.merit.unu.edu/about-us/profile/?staff_id=20)

Prof. Dr. Uwe Cantner, Department of Economics, Friedrich Schiller University, Jena, Germany, and University of Southern Denmark/Odense, Denmark

Address: Carl-Zeiss-Straße 3, Chair of Economics/Microeconomics, D-07743, Jena, Germany

Telephone: +49 (0)3641 9 43200

Fax: +49 (0)3641 9 43202

email: [Uwe.Cantner\(at\)uni-jena.de](mailto:Uwe.Cantner(at)uni-jena.de)

webpage: <https://www.microtheory.uni-jena.de/cantner>

Prof. Dr. Peter Winker, Department of Economics, University of Giessen, Germany, and Centre for European Economic Research (ZEW), Mannheim, Germany

Address: Licher Strasse 64, Lehrstuhl fuer Statistik, D-35394, Giessen, Germany

Telephone: +49 (0)641 99 22641

Fax: +49 (0)641 99 22649

email: [Peter.Winker\(at\)wirtschaft.uni-giessen.de](mailto:Peter.Winker(at)wirtschaft.uni-giessen.de)

webpage: <http://wiwi.uni-giessen.de/home/oekonometrie>