

Prof. Dr. Tatiana Filatova

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Education

- 2005 – 2009 *PhD (Cum Laude, top 5%)*, Environmental Economics, Agent-Based Modeling
University of Twente (UT), The Netherlands
- 2007 Department of Computational Social Science, George Mason University, USA
Scholarship for 2 PhD courses by Prof. Rob Axtell (A+) and Prof. Dawn C. Parker (A)
- 1998 – 2003 *MSc (Cum Laude, top 10%)*, Information Systems in Economics
State Technical University, Chita, Russia.

Honors, awards and projects (past 5 years)

- 2023 *The Ammodo Science Award for Fundamental Research in Social Science*, Amsterdam, The Netherlands, <https://ammodo-science-award.org/en/fundamental/laureate/tatiana-filatova/>
- 2021 *Netherlands eScience Center grant on Accelerating Scientific Discovery (ASDI)*, “Computing societal dynamics of climate change adaptation in cities”, Role: Co-PI (€253.000)
- 2020 *NWO VIDI*, “A social tipping point: climate-resilient futures through transformational adaptation”, Role: PI (€800.000) <https://www.nwo.nl/en/projects/vividi191015>
- 2019 *NWO Living Labs in the Dutch Delta*, “Crossing the borders at Grensmaas”, Role: Co-PI (€239.000), <http://www.livinglabgrensmaas.nl/>
- 2018 *4TU.Federation Research Program* “High tech for a sustainable future”, long-term strategic research program of the 4 Dutch Technical Universities “Designing Systems for Informed Resilience Engineering” (DeSIRE). Role: PI and Scientific Program Leader (€4.465.000).
- 2018 *EAERE Award for ERC Grants laureates in the field of environmental and resource economics*, European Association of Environmental and Resource Economists (EAERE)
- 2017 *SESYNC*, The USA National Socio-Environmental Synthesis Center, funding for a consolidating workshop on the “Use of socio-environmental systems modelling in actionable science”. Role: Workshop co-organizer (travel costs for 15 international participants).
- 2017 *ERC Starting Grant*, European Research Council Horizon 2020, project “Scaling up behavior and autonomous adaptation for macro models of climate change damage assessment (SCALAR)”. Role: PI (€1.500.000). <https://erc.europa.eu/news/erc-2017-starting-grants-results>
- 2017 *Member of the Social Research Council* (Sociaal-Wetenschappelijke Raad of the Royal Netherlands Academy of Arts and Sciences, SWR/KNAW)
- 2016-2021 *Member of De Jonge Akademie* (the Young Academy of the Royal Netherlands Academy of Arts and Sciences, DJA/KNAW)

Editorial work (past 5 years)

- 2020-2022 *Guest Editor of the special issue* on ‘Large-scale behavioural land-use models’, SESMO; with Calum Brown (Karlsruhe Institute of Technology, German), Birgit Müller (Helmholtz Centre for Environmental Research UFZ, Germany) and Derek Robinson (University of Waterloo, Canada)
- 2020 – present *Editorial Board Member*, Journal of Artificial Societies and Social Simulation (JASSS), Golden OA journal
- 2018 – present *Associate Editor*, Environmental Modelling & Software (EMS), Elsevier
- 2017 – present *Editorial Board Member*, Socio-Environmental Systems Modelling (SESMO), Golden OA journal

Refereed journal articles (selection of the 10 most relevant articles)

Google scholar profile: <http://scholar.google.com/citations?user=FqSmC1cAAAAJ>

Scopus profile: <http://www.scopus.com/authid/detail.url?authorId=25640733600>

Hirsch index 39 (Google Scholar) / 31 (Scopus)

1. Mutlu, A. Roy, D., Filatova, T. (2023), ‘Capitalized value of evolving flood risks discount and nature-based solution premiums on property prices’, *Ecological Economics*, 205, 107682, <https://doi.org/10.1016/j.ecolecon.2022.107682>

2. Noll, B., *Filatova, T.*, Need, A, de Vries, P. (2023) 'Uncertainty in individual risk judgments associates with vulnerability and curtailed climate adaptation', **Journal of Environmental Management**, 325, 116462, <https://pubmed.ncbi.nlm.nih.gov/36272292/>
3. Taberna, A., *T.Filatova*, A.Roventini, F.Lamperti (2022) 'Coping with increasing tides: evolving agglomeration dynamics and technological change under exacerbating hazards', **Ecological Economics**, 202, December 2022, 107588, <https://doi.org/10.1016/j.ecolecon.2022.107588>
4. Noll B., *Filatova, T.*, Need, A. & Taberna, A. (2021) 'Contextualizing cross-national patterns in household climate change adaptation', **Nature Climate Change** <https://doi.org/10.1038/s41558-021-01222-3>
5. Ghaffarian, S., D.Roy, *T.Filatova* and N.Kerle (2021) 'Agent-based modelling of post-disaster recovery with remote sensing data' , **International Journal of Disaster Risk Reduction** 60, 102285, <https://doi.org/10.1016/j.ijdr.2021.102285>
6. Taberna, A., *T. Filatova*, D. Roy, B. Noll (2020) 'Tracing resilience, social dynamics and behavioral change: a review of agent-based flood risk models' **Socio-Environmental Systems Modelling** 2, 17938, <https://doi.org/10.18174/sesmo.2020a17938>
7. Noll, B., *T.Filatova*, A.Need (2020) How does private adaptation motivation to climate change vary across cultures? Evidence from a meta-analysis, **International Journal of Disaster Risk Reduction**, 46, 101615, <https://doi.org/10.1016/j.ijdr.2020.101615>
8. De Koning, K. and *T. Filatova* (2020) Repetitive floods intensify outmigration and climate gentrification in coastal cities, **Environmental Research Letters**, <https://iopscience.iop.org/article/10.1088/1748-9326/ab6668>
9. De Koning, K., *T.Filatova*, A.Need and O.Bin (2019) 'Avoiding or mitigating flooding: bottom-up drivers of urban resilience to climate change in the USA', **Global Environmental Change** 59, November 2019, 101-981 , <https://doi.org/10.1016/j.gloenvcha.2019.101981>
10. De Koning, K., *Filatova, T.* & Bin, O. (2017) 'Bridging the Gap Between Revealed and Stated Preferences in Flood-prone Housing Markets', **Ecological Economics** (136), pp 1–13, <http://www.sciencedirect.com/science/article/pii/S0921800916308278>

Invited talks: 20 invited talks or keynotes in the past 5 years.

Supervisions of PostDocs and PhD students (overall)

15 PhD students (9 defended successfully, 6 ongoing);

6 PostDoc researchers

Served as a PhD Committee member/examiner in 34 PhD committees.