

# SSC 2025 – Draft programme

**Version:** 23/7/2025

**Legend:** Blue are long talks, yellow are short talks.

## Monday

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| 08:30 - 9:30 Registration with welcome coffee  |  |   |
| 09:30 - 12:30 Workshops (ECHO C, D, E, F)  |  |   |
| Building Distributed Agent-based Models with Repast4Py (ECHO C)  | Ethnographic methods and Social Simulations (ECHO D)   | Selecting and formalizing social science theory for agent-based models (ECHO E & F) |
| 12:30 - 13:30 Lunch  |  |   |
| 13:30 - 16:30 Workshops (ECHO C, D, E)   |  |   |
| Reusable building blocks – turning individual models into a collective resource (ECHO C)   | Water Game of Opinions – Exploring Opinion Dynamics and Polarization through Simulation (ECHO D) | ESSA@Work (ECHO E)  |
| From 18:30 onwards: Welcome Meetup at Beach Bar Copacabana - Informal Social event for PhD students and Early Career Researchers. Location: Beach Bar Copacabana, Strandweg 12, 2586 JK Scheveningen |  |   |

## Tuesday

| 8:00 - 9:00 Registration Desk   |   |  |  |
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| 9:00 - 10:30 Opening and Keynote Catholijn Jonker <i>ECHO A</i> ,<br>Chair: Harko Verhagen  |   |  |  |
| 10:30 – 11:00 Coffee break  |   |  |  |
| 11:00 - 12:30 Parallel sessions ECHO C, D, E, F   |   |  |  |
| <p><i>General track &amp; Blue sky (ECHO C)</i><br/>Chair: Bruce Edmonds (88)</p> <p>A proposed nomenclature for models of complex systems. By Gary Polhill, Alison Heppenstall, Michael Batty, Matt Hare, Ric Colasanti, Doug Salt, Richard Milton, Sarah Wise, Kevin Narasimhan (29)</p> <p>Sense and Stochasticity: Participatory Inverse Structural Calibration for Behavioural Insights. By Lukas Schubotz, Emile J. L. Chappin, Geeske Scholz, Gerdien de Vries (84)</p> <p>Does reinforcement learning always outperform agent-based models when replicating real-world scenarios? By Zixin Feng, Qunshan Zhao, Alison Heppenstall (173)</p> | <p><i>Complexity in Organization, Management, and Economics (ECHO D)</i><br/>Chair: Stephan Leitner (64)</p> <p>It does not have to be a bell: An agent-based simulation of unusual innovation adoption curves. By Theresa Elbracht, Franziska Klügl, Christian Stummer (153)</p> <p>Strategic Bureaucrats, Organisational Structure, and Agenda Control: An Agent-Based Modelling Approach to Extending Hammond (1986) By Vittorio Nespeca (143)</p> <p>Beyond Technological Perspective: The Role of Hybrid Products in The Co-evolution of Technology Advancement and Consumer Preference Shifts. By Tianyuan Wang, Francesco Pasimeni, Floor Alkemade (178)</p> <p>Diffusion analysis of inflationary shocks in the Mexican economy. A study using dynamic network analysis. By Emiliano Alvarez (184)</p> <p>Understanding the Trade-Off Between Personalization and</p> | <p><i>Technical aspects of social simulation (ECHO E)</i> Chair: Natalie van der Wal (122)</p> <p>Leveraging large-language models for agent-based model synthesis, development, and documentation. By Julia Kunkel, Christian Klassert, Kaja Jurak, Gunnar Dreßler, Bartosz Bartkowski, Birgit Müller (127)</p> <p>Julia for Agent-Based Modelling of Network Diffusion. By Yiran zhu, Jennifer Badham (6)</p> <p>Every opinion dynamics model is a class of equivalent models. By Dino Carpentras, Michael Quayle (181)</p> <p>Daily Activity Schedule Generation Considering Behavior Continuity Based on Survey on Time Use and Leisure Activities. By Yudai Matsumura, Tadahiko MURATA (97)</p> | <p><i>Integration of circularity and life cycle assessment tools into social simulation (ECHO F)</i><br/>Chair: Jaco Quist (48)</p> <p>Extended Producer Responsibility to Reduce Plastic Waste Pollution - An Agent-Based Modelling Study To Analyze Epr Instruments In Indonesia. By Mira Groot, Jaco Quist, Martijn Warnier, Eline Leising, Michiel Kort (128)</p> <p>Framework for Metamodel-Driven Integration of Life Cycle Assessment and Agent-Based Modeling. By Agnese Fuortes, Carlos Felipe Blanco Rocha, Joris Quik, Lynn de Jager, Willie Peijnenburg (170)</p> <p>Coupling agent-based modeling and Life Cycle Assessment to explore the environmental effects of biodiversity sensitive actions in farmer clusters. By Gustavo Larrea-Gallegos (7)</p> |

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| <p>Social Simulation at the End of Life. By Erik Campano, Lois Vanhée (2)</p> <p>Some considerations on the epistemology of modeling sustainability. By Martin Neumann (65)</p> <p>Reputation vs. money as mechanisms for generalised cooperation in human societies By Francesco Renzini, Eduardo Coltre Ferraciolli, Flaminio Squazzoni</p>                                      | <p>Privacy in Targeted Advertising Using an Agent-Based Model. By Kanae Hori, kaede fujita, Manabu Ichikawa</p>   | <p>Causal Inference Frameworks for Individual Based Models. By Lynette Linzbuoy, Mark S Gilthorpe, Alison J Heppenstall, Jiaqi Ge</p>   | <p>Policy package discovery using the patient rule induction method (PRIM) applied to circular business models. By Ryu Koide, Patrick Steinmann, Gabriel Sher, Shinsuke Murakami, Jaco Quist, Emile J. L. Chappin (13)</p> <p>Accounting for environmental awareness in wheat production through Life Cycle Assessment. By Gianfranco Giulioni, Edmondo Di Giuseppe, Arianna Di Paola</p>   |
| 12:30 - 13:30 Lunch  |   |   |   |
| 13:30 - 15:00 Parallel sessions ECHO C, D, E, F  |   |   |   |
| <p><i>General Track (ECHO C) Chair: Gary Polhill (66)</i></p> <p>The Influence of Socio-Technical Factors on Evacuation Performance of University Buildings By Roy Dukker, C. Natalie van der Wal, Omar Kammouh (166)</p> <p>An Agent-Based Model of Shelter Policies for Persons Requiring Care during Disasters in Japan: Focus on First-Half and Second Shelter Approaches.</p> | <p><i>Complexity in Organization, Management, and Economics (ECHO D) Chair: Linda Ponta (28)</i></p> <p>Who gets to be good? Informal networks, performance evaluations, and emergent capability inequality in organizations. By Stephan Leitner (119)</p> <p>Gender ratio and influence in teams, a model. By Xin Zhou, Francesca Giardini, Charlotte K. Hemelrijk, Bernard A. Nijstad (151)</p> <p>Steering sustainable food systems: the complex co-evolution of consumer preferences, sustainable</p> | <p><i>NISE: Norms and Institutions in the Social Environment; Qual2Rule: Using qualitative data to inform behavioral rules in agent-based models Track NISE (ECHO E) Chairs: Christopher Frantz and Kavin Narasimhan (19)</i></p> <p>Bicchieri's Social Norm Theory in Agent-Based Models: A Systematic Literature Review By Leon Grothmann, Christian Stindt, Matthias Meyer (125)</p> | <p><i>Integration of circularity and life cycle assessment tools into social simulation; Modeling Transformative Change (ECHO F) Chairs: Ryu Koide and Thorid Wagenblast (47)</i></p> <p>Enhancing textile reuse in the Netherlands An Agent-Based Modelling Study Towards Reuse Rebound Effects And Value Changes In The Textile Industry. By Britt Ingeborg Zandbergen, Jaco Quist, Martijn Warnier, Nicolien Blanksma, Wouter de Waard</p> |

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| <p>By Shintaro Fujita, kaede fujita, Junya Tsukamoto, Manabu Ichikawa (187)</p> <p>Status-based Inequalities: Consequences and Origins. By Elpida Tzafestas (140)</p> <p>The Overlooked Role of Communication for the Emergence of Interpersonal Status Orders. By Marius Kaffai, Mark Wittek (138)</p> <p>Agent-Based Models of Segregation: A Scoping Review. By Daniel Schubert</p> | <p>restaurants, and policymaking. By Angel Lázaro (110)</p> <p>The complexity of innovation strategy: An agent-based approach. By Linda Ponta, Raffaella Manzini, Silvano Cincotti (3)</p> <p>Water pricing schemes: an agent-based simulation. By Michael Neugart, Vahideh Sotoudehmollashahi</p> | <p>Formal Institutions matter - Endogenising political structures and processes in the World-Earth Model InSEEDS to study transformations in the food and land-use system. By Hannah Prawitz, Jannes Breier, Sara Constantino, Jonathan F. Donges, Marlene Rimmert, Luana Schwarz, Ricarda Winkelmann (141)</p> <p>Introducing Threat-Perceiving Actors in Group-Selective Public Goods Games. By Yaniv Levi Cohen, Jordan Callahan, Shannon C. Left, Dale S. Rothman (38)</p> <p>Agent-based models of behavioural dynamics in house-hold waste management: A systematic review. By Ammar HDAIFEH, Sylvie Huet, Jean-Denis MATHIAS (71)</p> <p>CONSTRUCT: Computational, cONtextual, and STRUCtural Dimensions for the Formalisation of the Social Model. By Themis Dimitra Xanthopoulou, Andreas Prinz</p> | <p>(75)</p> <p>Simulating Behavioral Transitions and Environmental Outcomes of the Sharing Economy - Case Study Bike-Sharing. By Christian Clemm, Tatsuki Watanabe, Yusuke Kishita (171)</p> <p>Different Strokes for Different Folks: a Spatial Analysis of Investments Needed to Increase the United States Post-Consumer Plastic Collection Rate. By Julien Walzberg (35)</p> <p>Social influence and norms as levers for transformational household adaptation to climate change. By Thorid Wagenblast, Amineh Ghorbani, Martijn Warnier, Tatiana Filatova (86)</p> <p>Climate change mitigation through IAM-ABM coupling: A multi-scale approach to public opinion dynamics and governments pledges. By Poujon Adrien (130)</p> <p>Investigating loop learning processes in farmers' decision-making – embedding cognitive change in social-ecological system transformations. By</p> |
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|  |   |   | Luana Schwarz,<br>Jonathan F. Donges  |
| 15:00 - 15:30 Coffee break   |   |   |   |
| 15:30 – 16:45 Parallel sessions ECHO C, D, E, F  |   |   |   |
| <p><i>General Track (ECHO C) Chair: Corinna Elsenbroich (76)</i></p> <p>Testing the validity of multiple opinion dynamics models. By Samuel Moor-Smith, Dino Carpentras (109)</p> <p>Agent-Based Exploration of Recommendation Systems in Misinformation Propagation. By Lise Jakobsen, Önder GÜRCAN, Anna Johanne Holden Jacobsen, Özlem Özgöbek (174)</p> <p>Telling the Workers' Stories: Redesigning Compensation Systems using Agent-Based Modelling By Branislava Godic, Samineh Sanatkar, Alex Collie, Jason Thompson</p> | <p><i>Social Identity Approach Modelling (ECHO D) Chair: Geeske Scholz (14)</i></p> <p>Modelling how school experiences shape outcomes for disadvantaged students: an agent-based model. By Emma Knight, Tegan Cruwys (32)</p> <p>The emergence of polarised groups through source filtering. By Fredrik Jansson, Anandi Hattiangadi (56)</p> <p>Social Foraging for Crime: A Simulation Study on Offenders' Specialization and Co-Offending. By Ruslan Klymentiev, Ketika Garg, Luis Rocha, Christophe Vandeviver (98)</p> <p>Designing Social Agent-Based Models for Theory Development: Insights from Radicalization. By Mijke van den Hurk, Mark Dechesne, Frank Dignum</p> | <p><i>Qual2Rule: Using qualitative data to inform behavioral rules in agent-based models (ECHO E) Chair: Bruce Edmonds (78)</i></p> <p>From Qualitative Analysis to Algorithms - Modelling Knowledge Flow on Climate Change Adaptation. By Vanja Falck, Ivan Puga-Gonzalez, Pierre Van Wolleghem, Fount LeRon Shults, Marta Bruno Soares (135)</p> <p>Ethnographic Agent-Based Modeling (eABM): Merging Qualitative and Computational Simulation Research. By Davide Secchi, Maria S. Festila (158)</p> <p>Using qualitative data to build a model for stakeholders about stakeholders. By Cezara Pastrav, Sofia Karlsson</p> | <p><i>JASSS (ECHO F)</i></p> <p>An introduction tot he Journal of Artifical Societies and Social Simulation (JASSS) – Flaminio Squazzoni.</p> |
| 17:00 - 19:00 Welcome Reception, Café Labs   |   |   |   |

## Wednesday

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| 8:30 - 9:00 Registration Desk  |   |  |
| 9:00 - 10:00 Keynote Corinna Elsenbroich <i>ECHO A</i> , chair: Geeske Scholz  |   |  |
| 10:00 - 10:30 Coffee break   |   |  |
| 10:30 - 12:00 Parallel session ECHO C, D, E  |   |  |
| <p><i>Cities and Climate Change (ECHO C) Chair: Leila Niamar</i><br/>(159)</p> <p>LLMs in modeling synthetic populations for urban agent-based simulations. By Nykyta Polituchyi, Przemysław Szufel (73)</p> <p>Modelling environmental policy impacts on firms' carbon emissions. By Gustavo Rocha Lima Libório, Bernardo Alves Furtado, Olandia Ferreira Lopes (11)</p> <p>Flood Risk as a Market Signal: Modeling the Distributional Impacts of Adaptation Strategies in Housing Markets. By Asli Mutlu, Tatiana Filatova (154)</p> <p>Just Energy Transitions: A Tale of Three Cities. By Kristian Tvedt, Bernardo Alves Furtado, Jiaqi Ge, Yuri Kasahara (95)</p> <p>Simulating Rooftop Solar Panel Adoption: An Agent-Based Model of Household Decision-Making in Amsterdam Districts. By Caroline Christandi Loe, Erkinai Derkenbaeva</p> | <p><i>Agent-based models for healthcare systems research (ECHO D) Chair: Rocco Paolillo</i><br/>(94)</p> <p>An Agent-Based Model for the Design of Chronic Care Services. By Nicolas Barticevic, Simcha Jong, Paul Expert (126)</p> <p>Network Influence in Childbirth Hospital Choice. By Rocco Paolillo, Filippo Accordino, Fabrizio Pecoraro (25)</p> <p>Unraveling the Role of Vulnerability and Norm Compliance in Societal Preparedness in Health Crises. By Teng Li, Francesca Giardini (30)</p> <p>The GENSIMO Platform for Social Insurance Scheme Modelling and Systematic Policy Experimentation. By Fjalar J de Haan, Jason Thompson (164)</p> <p>Modeling the Natural Progression of Long-Term Care Levels among the Elderly in Japan: An Agent-Based Simulation Using SOARS. By kaede fujita, manabu ichikawa</p> | <p><i>Sense &amp; Sensibility: Modelling human deliberation and decision-making (ECHO E) Chair: Lois Vanhée</i><br/>(62)</p> <p>Agent-based modelling of anticipatory anxiety: Theoretical foundations and application on bullying. By João Carvalho, Lois Vanhée (146)</p> <p>SobreVIDA: From data to dynamics and back in Intimate Partner Violence (IPV) modelling. By Bernardo Alves Furtado, Lígia Mori Madeira, Emanuel Abrantes, Valéria Calvi Amaral Silva, Ludmila Ribeiro (113)</p> <p>Towards a Systematic Framework for Expert-driven Inverse Generative Social Science. By Gayani Prabuddhi Dias Pathirathna Senanayake, Minh Kieu (39)</p> <p>Modelling the Effects of Behavioural Heterogeneity in Urban Evacuation. By Michael Jones, Jon P Mills, Richard J Dawson (114)</p> <p>Understanding and Simulating Emotional Responses in Built Environment using Agent-based Simulation. By Liu Yang, Youran Shi, Shuyan Li, Koen H. van Dam, Arnab Majumdar</p> |
| 12:00 - 13:00 Lunch  |   |  |
| 13:00 - 14:30 Parallel sessions ECHO C, D, E   |   |  |

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| <p><i>General track (ECHO C)</i><br/> <i>Chair: Frank Dignum</i><br/> (145)</p> <p>Modeling Socio-Psychological Drivers of Land Use Intensity: A Behavioral Extension for Agent-Based Simulation. By Ronja Hotz, Calum Brown, Yongchao Zeng, Thomas Schmitt, Mark Rounsevell<br/> (123)</p> <p>An Agent-Based Simulation of Stage-Based Organisational Adoption of Sustainable Technologies. By Philipp S. Eppe, Anna Kravets, Bennet Petznik, Sina Eslamizadeh, Torben Stührmann, Casper Albers, Thijs Bouman<br/> (90)</p> <p>Unequal Transitions: Exploring Socioeconomic Disparities in Heating Technology Adoption through Data-Driven Agent-Based Modeling. By Kasimir Püttbach<br/> (89)</p> <p>Towards an ABM on Proactive Community Adaptation for Climate Change. By Önder GÜRCAN, Ivan Puga-Gonzalez, Christopher K. Frantz, David Eric John Herbert, F. LeRon Shults<br/> (70)</p> <p>The effect of increasing Stamp Duty Land Tax: Insights from a UK housing Agent Based Model. By Yahya Gamal, Corinna Elsenbroich, Nigel Gilbert, Alison Heppenstall<br/> (72)</p> <p>An application of a spatio-temporal uncertainty analysis on a geospatial agent based model. By</p> | <p>Social simulation as a method and methodology (ECHO D) <i>Chair: Francesca Giardini</i><br/> (103)</p> <p>Can Divisions Be Bridged? An Exploration Through The Agent-Based Dialogue Tool. By Shaoni Wang, Wander Jager<br/> (118)</p> <p>Analysing Educational Systems as Complex Systems: A Novel Learning Strategy for Psychology and Educational Sciences Students. By Nathanaël Friant, Thomas Gennen<br/> (58)</p> <p>Modelling Together, Sort Of. By Jennifer Badham<br/> (63)</p> <p>Choosing Theories Matters: How Different Learning Theories Impact Simulation Results Using Equine Stereotypes as Example. By Veronika Kurchyna, Jan Ole Berndt, Ingo Timm<br/> (74)</p> <p>The best causal model? A provocation on Agent-Based Models as causal inference tools. By Bernardo Alves Furtado</p> | <p><i>Sense &amp; Sensibility: Modelling human deliberation and decision-making (ECHO E)</i> <i>Chair: Vivek Nallur</i><br/> (150)</p> <p>The Intention-Behavior Gap in Household Climate Change Adaptation - From Theory to Simulation. By Liz Verbeek, Anne van Valkengoed, Tatiana Filatova<br/> (152)</p> <p>Consumption, Comparison, and Well-Being: Simulating Consumer Choice Based on Human Needs. By Michelle Alferts<br/> (149)</p> <p>Bridging the Planning-Implementation Gap in Residential Heating Transitions: A Combined Agent-Based and Participatory Modelling Approach. By Ivan Digel, Sascha Holzhauer, Friedrich Krebs<br/> (43)</p> <p>Consumer behavior metamodel for interdisciplinary ABM Design. By Amy Liffey, Anne Günther, Firoozyalizadeh Shadi, Ola Ellassal, Evangelos Panos, Jan Abrell, Marten van der Kam, Iljana Schubert, Ulf Hahnel, Hannes Weigt, Schumann René<br/> (117)</p> <p>Household Decision-Making in the Energy Transition: An Agent-Based Model of Intra-Household Variability in Rooftop Solar Adoption. By Stephanie Stumpf, Daniel Slood</p> |
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| Yahya Gamal, Alison Heppenstall  |  |  |
| 14:30 -15:00 Coffee break  |  |  |
| 15:00 - 16:30 Parallel sessions ECHO C, D, E   |  |  |
| <p><i>General track (ECHO C)</i><br/> <i>Chair: Patrycja Antosz</i><br/> (160) Requirements for the Useful Application of ABM in Policy Processes: 2025 Update. By Alexander Melchior<br/> (44) Bridging Hydrogeology and Human Decision-Making for Sustainable Groundwater Management Through a Coupled Simulation Mode. By Şanser Güz, İzel Uygur, Nadim K. Copty, Ali Kerem Saysel<br/> (40) Cooperation versus subsidizing: how sharing investment can increase hydrogen uptake among regional industries. By Renske van t Veer, Amineh Ghorbani, Zofia Lukszo, Emre Ates<br/> (26) Proposing an Indicator Using Gaming Simulation for the Validation of Agent Behavioral Model in City Policy-Making. By Chihiro Nagai, Akinobu Sakata, Shingo Takahashi<br/> (85) Improving the behavioural realism of agent-based model for low-carbon technology adoption: A case study of Lausanne. By Hanbit Lee, Léonard Léchet, Matthias Heinrich, Claudia R. Binder</p> | <p><i>Social simulation as a method and methodology (ECHO D) Chair: Amineh Ghorbani</i><br/> (92) Replicating DomWorld. By Haakon Bøthun Lunde, Themis Dimitra Xanthopoulou, Andreas Prinz<br/> (69) The X-ODD: Towards a Model Protocol to Support the Application of ABMS. By Michael Belfrage, Christopher K. Frantz, Fabian Lorig, Paul Davidsson<br/> (96) Novel methodology for the integration of societal change in energy system models. By Felicitas Ortlieb, Md Anik Islam<br/> (31) Parameter Estimation Methods for Economic Agent-based Modeling - A Systematic Literature Review. By Lennart Fischer<br/> (1) The Home Cook Model: A Microsimulation Approach to Reducing Household Food Waste. By Larissa L. Lima, Caterina Rettore, Ernesto Carrella, Markus Grendstad Rousseau, Filippo Pini, Matteo Vittuari, Patrycja Antosz</p> | <p><i>Sense &amp; Sensibility: Modelling human deliberation and decision-making (ECHO E) Chair: Frederike Wall</i><br/> (8) Sensing for Trust and Trustworthiness in Organizational Decision-Making: An Agent-based Model. By Friederike Wall<br/> (18) Identifying Latent Intentions via Inverse Reinforcement Learning in Repeated Linear Public Good Games. By Carina I Hausladen, Marcel H Schubert, Christoph Engel<br/> (54) From Behavioral Analysis to Simulation: Modeling the Influence of Heat Pump Noise on Adoption. By Lynn de Jager, Agnese Fuortes, Geeske Scholz, Liesbeth Claassen, Emile J. L. Chappin<br/> (112) Exploring representations of human behaviour in models of vector-borne disease control. By Nicholas Geard<br/> (137) Incorporating demand heterogeneity into an agent-based housing market model using a two-stage hedonic model: By Dawn Cassandra Parker, Shahab Valaei Sharif, Rodrigo Costa</p> |
| From 17:00 onwards: Social events.   |  |  |
| The museum tour and boat tour and salsa workshop require a 15-minute walk  |  |  |



## Thursday

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| 8:30 - 9:00 Registration Desk  |   |   |
| 9:00 - 10:00 Keynote Bill Rand <i>ECHO A</i> , chair: Gerdien de Vries   |   |   |
| 10:00 - 10:30 Coffee break   |   |   |
| 10:30 - 12:00 Parallel sessions ECHO C, D, E   |   |   |
| <p><i>Modeling Transformative Change (ECHO C) Chair: Thorid Wagenblast</i><br/>(21)</p> <p>Beyond Economic Factors: Agent-Based Modeling of Ukrainian Refugee Decision-Making. By Artem Serdyuk<br/>(129)</p> <p>Exploring the viability of repair hubs with a conceptual agent-based model. By Gary Polhill, Nick Roxburgh, Tony Craig, Alice Hague, Kathryn Colley, Jianyu Chen, Anna Williams, Fiona Bender, Altea Lorenzo-Arribas, Graciela Martínez<br/>(172)</p> <p>An agent-based model to explore supply chain maladaptation in response to severe disruptions. By Yvonne Lont, Jan Kwakkel, Tina Comes<br/>(4)</p> <p>MEET-eaters: An agent-based model of food consumption practices at the household level. By Christa Blokhuis, Gert Jan Hofstede, Gary Polhill, Marga Ocké, Emely de Vet<br/>(102)</p> <p>Batteries without borders: Battery-as-a-Service meets energy sharing in energy communities. By Sharif Khaleghparast, Somayeh Torkaman, Bart van der Holst, Gijs Verhoeven</p> | <p><i>Social simulation as a method and methodology; Integrating Large-Language Models and Geospatial Foundation Models to Enhance Spatial Reasoning in ABMs; Artificially Intelligent Agents in Social Agent-based Models (ECHO D) Chairs: Nick Malleson and Yannick Oswald</i><br/>(157)</p> <p>Large Language Models for Agent-Based Modelling: Current and possible uses across the modelling cycle. By Loïs Vanhée, Melania Borit, Peer-Olaf Siebers, Roger Cremades, Christopher K. Frantz, Önder GÜRCAN, František Kalvas, Denisa Reshef Kera, Siamak Khatami, Vivek Nallur, Kavin Narasimhan, Martin Neumann<br/>(133)</p> <p>Towards the use of Foundation Models and Embeddings for Nuanced Perception and Decision-Making in Agents. By Nick Malleson, Ed Manley<br/>(139)</p> <p>Generative agent-based modeling for climate adaptation policy: A flood resilience perspective. By Wenhan Feng, Anqi Zhu, Thanh Phuoc Ho, Ercong Nie, Beiduo Chen, Shijia Zhou, Hao Su, Liang Emlyn Yang<br/>(10)</p> <p>Artificial Utopia: Simulation and Intelligent Agents for a Democratised Future. By</p> | <p><i>Social Networks in Agent-Based Models (ECHO E) Chair: Jennifer Badham</i><br/>(37)</p> <p>Simulating Downward Spirals of Intergroup Hostility in Empirical School Networks. By Alla Loseva, Christian Steglich, Andreas Flache<br/>(22)</p> <p>Learning about polarization from simulation: a comparative analysis of four models. By Emma Baillie, Wally Smith, Nicholas Geard<br/>(179)</p> <p>Bounded confidence dynamics generates opinion cascades on a growing scale-free network. By Yérali Gandica, Guillaume Defuant, David Hernández<br/>(185)</p> <p>Analyzing the Impact of Social Stigma on Decision-Making in Public Systems: An Agent-Based Approach. By KIKUCHI Ann, ICHIKAWA Manabu, kaede fujita<br/>(176)</p> <p>Social Context, Interpersonal Interaction, and Opinion Change. By İrem Betül Koçak, Isaac D. Mehlhaff, Basak TARAKTAS</p> |

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|   | Yannick Oswald<br>(99)<br>When can you use LLMs for<br>ABM? By Bruce Edmonds |  |
| 12:00 - 13:00 Lunch   |  |  |
| 13:00 - 15:00 Poster sessions (ECHO C, D, E)  |  |  |
| 15:00 - 15:30 Coffee break  |  |  |
| 15:30 - 16:30 ESSA General Assembly (ECHO A)  |  |  |
| 18:00-22:30 Conference dinner. Location Old Church, Heilige Geestkerkhof 25. Welcome<br>and optional tour of the church from 18:00, dinner starts at 19:00. |  |  |

## Friday

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| 8:30 - 9:00 Registration Desk  |   |   |
| 9:00 - 10:00 Keynote Igor Nikolic <i>ECHO B</i> , chair: Emile Chappin   |   |   |
| 10:00 - 10:30 Coffee break   |   |   |
| 10:30 - 12:00 Parallel sessions  |   |   |
| <p><i>General track (ECHO C)</i><br/>Chair: Anna Melnyk<br/>(142)</p> <p>Replicating patterns of asymmetry. By Bart de Bruin, Dino Carpentras, Yijing Chen, Anne Speer, Philip Warncke<br/>(53)</p> <p>Policy levers to traverse the “Valley of Death” – which to pull, when, and how hard? By D. Cale Reeves, Daniel Matisoff<br/>(155)</p> <p>RAINO: Anchoring Agents in Reality, A Systematic Review and Conceptual Framework for Realism in Agent-Based Modelling. By Loïs Vanhée, Melania Borit<br/>(169)</p> <p>Education and the Institutionalisation of (Agent-Based) Computational Social Science. By David Anzola<br/>(52)</p> <p>Disastrous Agent Behaviour — ABM and Behaviour Realism in Disaster Research. By Fjalar J de Haan, Harko Verhagen, Isabel Florence Franke, Lorenzo Zino, Samuel Rufat, Xin Zhou, Loïs Vanhée, Nanda Wijermans, Ruth Meyer, Frank Dignum</p> | <p><i>Cities and Climate Change (ECHO D)</i> Chair: Leila Niamar<br/>(5)</p> <p>Uncovering Social and Environmental Outcomes of Urban Transport Policies via Agent-Based Models. By Tabea Sonnenschein, Simon Scheider, Ardine de Wit, James Woodcock, Roel Vermeulen<br/>(34)</p> <p>Investigating The Impact of Carbon-Neutral Lifestyle Changes on Urban Heat Stress Exposure: An Agent-Based Modeling Approach. By Deniz Sirin, Peter Hoffmann, Jürgen Scheffran<br/>(59)</p> <p>Simulating Climate Knowledge Exchange Across European Cities: A SNA-ABM Approach. By Pierre Van Wolleghem, Ivan Puga-Gonzalez, Marta Bruno Soares<br/>(67)</p> <p>Social norms and tipping points for sharing residential public charging points. By Naud Loomans, Milan Tamis<br/>(81)</p> <p>Enabling Active Mobility in Cities. By Áron Dénes Hartvig, Leila Niamir</p> | <p><i>Agent-based models for healthcare systems research (ECHO E)</i> Chair: Rocco Paolillo<br/>(61)</p> <p>Simulation Sleuthing: Using Model Calibration to Forensically Analyze Pandemic Management Strategies. By Wesley J. Wildman, Gabriel McDonnell Maayan, George Hodulik, Mark Lane, G. Edward Powell, Jr.<br/>(83)</p> <p>Digital social experiment simulation to support Smart Wellness Cities. By Setsuya Kurahashi<br/>(131)</p> <p>CINCH: Agent-Based Modelling of Health Care Workers’ Movement and Activities in a Hospital Ward. By N.M. Gotts, Jared K. Wilson-Aggarwal, Keiran Suchak, Eleni Nastouli, Ed Manley<br/>(147)</p> <p>Strategic Management of Healthcare Access: An Agent-Based Model Balancing Clinic Distribution and Telemedicine Adoption. By Marco Remondino</p> |
| 12:00 - 12:45 Closing ceremony and awards (ECHO B)   |   |   |
| 12:45 Take away lunch  |   |   |