



CONFERENCE ON
COMPLEX
SYSTEMS

CCS

2022

PALMA DE MALLORCA
17 - 21 OCTOBER

POSTER SESSIONS

www.ccs2022.org



MONDAY 17th , October

13:00-14:30 POSTER SESSIONS I

Floor 1

<p>Strengths of Effort-To-Compress Complexity for analyzing time series from complex systems <i>Nithin Nagaraj and Aditi Kathpalia.</i></p>
<p>A novel methodology for epidemic risk assessment of COVID-19 outbreak <i>Andrea Rapisarda, Alessandro Pluchino, Alessio Emanuele Biondo, Nadia Giuffrida, Giuseppe Inturri, Vito Latora, Rosario Le Moli, Giovanni Russo and Chiara Zappalà.</i></p>
<p>Spatial effects in parasite induced marine diseases of immobile hosts <i>Alex Giménez Romero, Federico Vázquez, Cristóbal López and Manuel A. Matías.</i></p>
<p>Finite-time scaling for epidemic processes with power-law superspreading events <i>Carles Falco and Alvaro Corral.</i></p>
<p>How does flexibility enhance resilience in supply distribution networks? A data driven study <i>Ambra Amico, Luca Verginer, Giacomo Vaccario, Giona Casiraghi and Frank Schweitzer.</i></p>
<p>Urban public transport modeling and resource optimization: The Parma University Campus as a case study <i>Andrea Guizzo, Bernardo Monechi, Alessandro Vezzani, Raffaella Burioni and Vittorio Loreto.</i></p>
<p>A Generic Model of System Scalability with Applications in Vastly Different Fields <i>Heiko Hamann and Andreagiovanni Reina.</i></p>
<p>Recommendation of content to mitigate the echo chamber effect <i>Antoine Vendeville, Anastasios Giovanidis, Effrosyni Papanastasiou and Benjamin Guedj.</i></p>
<p>Quantifying ridepooling sustainability <i>Charlotte Lotze, Felix Jung, Philip Marszal, Debsankha Manik, Malte Schröder and Marc Timme.</i></p>
<p>Permeable Fungal Automata <i>Carlos S. Sepúlveda, Eric Goles and Martín Ríos-Wilson.</i></p>
<p>The impact of highly-connected individuals in the evolution of an epidemic spreading with social-distance restrictions <i>Lucila Alvarez-Zuzek, Fátima Velásquez-Rojas and José Luis Herrera Diestra.</i></p>
<p>Consensus from group interactions: An adaptive voter model on hypergraphs <i>Nikolaos Papanikolaou, Giacomo Vaccario, Erik Hormann, Renaud Lambiotte and Frank Schweitzer.</i></p>
<p>The effect of heterogeneous distributions of Social Norms on the spread of infectious diseases <i>Daniele Vilone and Giulia Andrighetto.</i></p>
<p>Assessment of urban intersections capacity using microscopic car-following models and HCM methods <i>Fabio Lamanna.</i></p>



MONDAY 17th , October

Song success prediction

Claudio Ascione and Giulio Prevedello.

Network Approach to Understanding Social Media and News Interactions with Financial Markets

Ana Todorovska, Eva Spirovska, Gorast Angelovski, Hristijan Peshov, Ivan Rusevski, Jovana Marojevikj, Irena Vodenska, L. T. Chitkushev and Dimitar Trajanov.

Detecting Global Community Structure in a COVID-19 Activity Correlation Network

Hiroki Sayama.

Considering Menzerath and Menzerath-Altmann's law as a criterion of complexity in communication

Iván G. Torre, Lukasz Debowski and Antoni Hernandez.

Modeling cyclic patterns of temporal communication networks with different sources of heterogeneity

Juan Fernandez-Gracia and Victor M Eguiluz.

Symmetries of the brain network in health and schizophrenia

Lucia Jajcay, David Tomecek, David Hartman, Filip Španiel, Jiří Horáček and Jaroslav Hlinka.

Majority networks and local consensus algorithm

Eric Goles, Pablo Medina and Julio Santivanez.

The Impact of Navigation Routing Strategies on Urban Sustainability

Giuliano Cornacchia, Giovanni Mauro, Matteo Bohm, Mirco Nanni, Dino Pedreschi and Luca Pappalardo.

Dynamic multiplex network analysis of human intracranial recordings during postictal aphasia

Nicola Pedreschi, Alain Barrat and Demian Battaglia.

Bounded rational agents playing a public goods game

Prakhar Godara, Tilman Aleman and Stephan Herminghaus

Characteristic fluctuations in narratives: Arcs of essential meaning

Mikaela Irene Fudolig, Thayer Alshaabi, Kathryn Cramer, Chris Danforth and Peter Dodds.

Coupling the soil conservation service curve number (SCS-CN) approach with a GIS-based cellular automata (CA) model to simulate rainfall-runoff

Navid Mahdizadeh Gharakhanlou and Liliana Perez.

Innovation in times of Covid-19

Torsten Heinrich and Jangho Yang.

Network motifs shape distinct functioning of Earth's moisture recycling hubs

Nico Wunderling, Frederik Wolf, Obbe Tuinenburg and Arie Staal.



MONDAY 17th , October

Criticality in social tipping dynamics towards sustainability

Jonathan F. Donges, E. Keith Smith, Ann-Sophie Crépin, Christina Eder, Niklas Harring, Jobst Heitzig, Alexia Katsanidou, Timothy Lenton, Franz Mauelshagen, Manjana Milkoreit, Kelton Minor, Ilona M. Otto, Armon Rezai, Jürgen Scheffran, Isabelle Stadelmann-Steffen, Rick van der Ploeg, Nico Wunderling and Ricarda Winkelmann.

Complexity science to characterize experimental quantum simulators

Oriol Artime, Manlio De Domenico, Mher Ghulinyan and Riccardo Gallotti

Network motifs of the human temporal cortex and their computational implications

Pau Vilimelis Aceituno, Yangfan Peng, Antje Bjelde, Benjamin Grewe and Jörg Geiger.

Identify optimal pedestrian flow forecasting methods in Great Britain retail areas

Roberto Murcio and Yujue Wang.

Understanding meteorological and environmental drivers of the number of hospital admissions for pneumonia and malaria in rural South Africa

Suzana Blesic, Thandi Kapwata and Caradee Wright.

Critical patch size reduction by heterogeneous diffusion

Maïke dos Santos, Vivian Dornelas, Eduardo Colombo and Celia Anteneodo



TUESDAY 18th , October

13:00-14:30 POSTER SESSIONS II

Floor 1

<p>An urban desirability paradox? A large scale study of urban psychology in the UK <i>Adam Finnemann, Karoline Huth, Sacha Epskamp, Denny Borsboom and Han van der Maas.</i></p>
<p>Thermodynamic Overfitting: Limits on Complexity in Thermodynamic Learning <i>Alexander Boyd.</i></p>
<p>Analysis of social dynamics changes during a populist attack in Italy: a network based approach <i>Andrea Russo, Antonio Picone and Vincenzo Miracula.</i></p>
<p>Lead/Lag directionality is not generally equivalent to causality: Precautionary tale for PSI compared to CMI <i>Andreu Arinyo-i-Prats, Victor Lopez-Madrona and Milan Palus.</i></p>
<p>Correlation dimension detecting causality in networks of dynamical systems <i>Anna Krakovská.</i></p>
<p>Network analysis highlights novel disease-associated proteins in Glioblastoma Multiforme <i>Apurva Badkas, Sébastien De Landtsheer and Thomas Sauter.</i></p>
<p>Evaluating serial dependence in nonlinear time series using chi-squared tests for ordinal patterns processes <i>Arthur Matsuo Yamashita Rios de Sousa and Jaroslav Hlinka.</i></p>
<p>Social hysteresis within the agent-based model with private and public opinions <i>Barbara Kamińska, Arkadiusz Jędrzejewski and Katarzyna Sznajd-Weron.</i></p>
<p>Coupled dynamics of node and link states in a coevolving complex network: A model for language competition <i>Christos Charalambous, David Sanchez and Raul Toral.</i></p>
<p>Modelling the spread of COVID-19 considering the impact of transmissions inside public transportation, human contacts, and the compliance of mitigation strategies in Mexico City <i>Fernando Reyes, Emmanuel Torres, María Elena Lárraga and Luis Alvarez-Icaza.</i></p>
<p>An agents-network model of the effects of disinformation in online ratings <i>Giulio Giacomo Cantone.</i></p>
<p>Learning Bayesian network classifiers through an evolution strategy <i>Gonzalo A. Ruz, Pablo A. Henríquez and Rolando de la Cruz.</i></p>
<p>Effect of prior knowledge on vocabulary learning <i>Hae Seong Lee and Beom Jun Kim.</i></p>
<p>Information Theoretic Modeling of Decision-Making via Collective Computation in Plant Cell Tissues <i>Hannah Dromiack, Swanand Khanapurkar, George Bassel and Sara Walker.</i></p>



TUESDAY 18th , October

Effective reproduction number dependent on daily activity in COVID-19 pandemic with vaccination effect
Jun'Ichi Ozaki, Yohei Shida, Hideki Takayasu and Misako Takayasu.

From time series to networks in R with the ts2net package
Leonardo Ferreira.

Evolution of air delay propagation patterns in Europe from 2015 to 2018: an information processing perspective
Luisina Pastorino and Massimiliano Zanin.

Analysis of the Integrality of public transport and its impact on mobility sustainability in the City of Hermosillo, Sonora, Mexico.
Marco A Rosas, Carlos Gershenson and Gustavo Carreón.

Continuous Projection Space - Technology codes and Mergers & acquisitions predictions
Matteo Straccamore, Andrea Zaccaria, Lorenzo Arsini and Luciano Pietronero.

bioRgeo: An R package to compare several methods of bioregionalizations
Pierre Denelle, Maxime Lenormand and Boris Leroy.

Multiscale Causal Structure in Armed Conflict
Niraj Kushwaha and Edward D. Lee.

A network percolation framework to anticipate sudden shifts in irregular climate oscillations
Noemie Ehstand, Reik Donner, Cristobal Lopez and Emilio Hernandez-Garcia.

Functional homogeneity predicts the topological roles of Regions of Interest in fMRI-based functional brain networks
Elisa Ryyppö, Ana María Triana and Onerva Korhonen.

Complexity of freezing cellular automata with L-shaped neighborhood
Pablo Concha, Pedro Montealegre and Eric Goles.

Structure, resilience and evolution of the European Air Route Network from 2015 to 2018
Pau Esteve, Jose Javier Ramasco and Massimiliano Zanin.

Reliability of energy landscape analysis of resting-state functional MRI data
Pitambar Khanra, Naoki Masuda and Takamitsu Watanabe.

Reconstruction and characterisation of aircraft interaction networks
Raúl López Martín and Massimiliano Zanin.

Competition for centrality between the right and left hemispheres in the human brain
Remy Ben Messaoud, Brigitte Charlotte Kaufmann, Paolo Bartolomeo and Fabrizio de Vico Fallani.

A Master Equation for Power Laws
Sabin Roman and Francesco Bertolotti.



TUESDAY 18th , October

Correlation Distance on Networks

Shane Mannion, Padraig MacCarron, Samuel Unicomb and Thierry Platini.

Complex dynamics in seagrass meadows in the Mediterranean Sea. Species interaction in a global warming scenario.

Tomas Sintes and Eva Llabres.

Spectral Embedding and Associated Generative Models for Hypergraphs

Xue Gong, Desmond Higham and Konstantinos Zygalakis.

Triple-Jumping over Fragmentation, Epidemics, and Spontaneous Adaption

Yaniv Proselkov, Thilo Gross, Alexandra Brintrup and Ajith Kumar Parlikad.

Modeling and Simulation of the Complex Dynamics in Urban Wetlands – The case of Bogota, Colombia

Yenny Cuellar and Liliana Perez.

A strategic tension between exploitation and exploration for target search in complex networks

Youngkyoung Bae, Gangmin Son and Hawoong Jeong.

Limits to sustainable scale: social-ecological network structure constrains cooperative management of common-pool resources

Isaak Mengesha, Tuan Pham and Andrew Ringsmuth.

Using batteries for frequency control in power grids with renewable sources.

Giulia Ruzzene, Damia Gomila and Pere Colet



WEDNESDAY 19th , October

13:00-14:30 POSTER SESSIONS III

Floor 1

<p>Human trajectories in the COVID-19 era: a quantitative analysis <i>Alberto Amaduzzi, Lucila Gisela Alvarez Zuzek, Valeria D'Andrea, Simone Centellegher, Lorenzo Lucchini, Filippo Privitera, Manlio De Domenico, Bruno Lepri, Armando Bazzani and Riccardo Gallotti.</i></p>
<p>Structure and evolution of the UK far-right Telegram network <i>Alexandre Bovet and Peter Grindrod.</i></p>
<p>Determinants of livestock mobility in Senegal <i>Katherin Michelle Garcia Garcia, Andrea Apolloni, Mbargou Lo, Ibrahima Diallo, Etienne Chevanne, Fabrizio Rosso and Alexis Delabouglise.</i></p>
<p>Landscape Behavioral Mechanics: A Thermodynamic Model for Socioenvironmental Coadaptation <i>Andrés G. Mejía Ramón.</i></p>
<p>Long-range effects of walls in schooling fish <i>Andreu Puy, Jordi Torrents, M. Carmen Miguel and Romualdo Pastor-Satorras.</i></p>
<p>Identification of the determinants of animal mobility to better anticipate the spread of infectious diseases in west Africa <i>Asma Mesdour, Andrea Apolloni and Mamdou Ciss.</i></p>
<p>A framework for multilayer network simplification: task-aware approach with graph neural networks <i>Cheick Tidiane Ba, Roberto Interdonato, Sabrina Gaito and Dino Ienco.</i></p>
<p>Multiconsensus in multi-agent systems induced by network symmetries <i>Cinzia Tomaselli, Mattia Frasca, Lucia Valentina Gambuzza and Francesco Sorrentino.</i></p>
<p>Agent-based model of language formation, propagation and clusterization <i>Clement Zankoc, Els Heinsalu and Marco Patriarca</i></p>
<p>Two orders for decomposing multivariate information in complex systems <i>Conor Finn.</i></p>
<p>Short-term correlation in air traffic flow <i>Felipe Olivares and Massimiliano Zanin.</i></p>
<p>Pedestrian mobility features of a citizen science experiment for street-level urbanistic interventions <i>Ferran Larroya Paixà and Josep Perelló Palou.</i></p>
<p>Are Life and Mind Plural from the Beginning? Extending Simulated Experiments of Embodied Dyadic Interaction Models <i>Georgina Montserrat Reséndiz-Benhumea, Jesús M. Siqueiros, Carlos Gershenson, Gabriel Ramos-Fernández and Katya Rodríguez-Vázquez.</i></p>



WEDNESDAY 19th , October

Critical synchronization dynamics on power grids

Geza Odor, Shengfeng Deng, Balint Hartmann and Jeffrey Kelling.

Group hierarchy emerging from noisy interactions

Guillaume Deffuant and Thibaut Roubin.

Output systems can improve accuracy of biological rhythms

Hotaka Kaji, Fumito Mori and Hiroshi Ito.

A Bounded Confidence Model of Emotionally Aroused Integrate and Fire Oscillators

Irene Ferri, Emanuele Cozzo, Albert Díaz-Guilera and Luce Prignano.

Modelling and dynamics of the CA1-CA3 circuit of the hippocampus

Jaime Sánchez Claros, Claudio Mirasso and Santiago Canals

Statistical and Dynamical Properties of Hashtags in Weibo

Jiang Jiwei, Yamada Kenta, Takayasu Hideki and Takayasu Misako.

Dynamics of Democracies

Karoline Wiesner, Matthew Wilson and Samuel Bien.

Vanishing opinions in the Latane model of opinion formation

Maciej Dworak and Krzysztof Malarz.

Cryptocurrency co-investment network: impact of specialised investors on crypto markets

Luca Mungo, Silvia Bartolucci and Laura Alessandretti.

Nodal statistics-based structural pattern detection for graph collections characterization

Lucrezia Carboni, Michel Dojat and Sophie Achard.

Three-state opinion q-voter model with non-symmetrical states

Maciej Doniec, Wojciech Radosz and Katarzyna Sznajd-Weron.

Emergence of social hierarchies in a society of two competitive classes

Marc Sadurni Parera, Josep Perello Palou and Miquel Montero Torralbo.

Diversity-induced damping in complex neural networks

Marius Yamakou, Els Heinsalu, Marco Patriarca and Stefano Scialla.

The dynamics of diversity on corporate boards

Matthias Raddant.

Complexity, Strategy Capable Systems and strategists thought

Michele Frisia.

Probing meaning spaces of visual art with compression ensembles

Mikhail Tamm, Andres Karjus and Maximilian Schich

Deep Recurrent Modelling of Granger Causality with Latent Confounding

Zexuan Yin and Paolo Barucca.



WEDNESDAY 19th , October

Reducing the complexity of directed percolation in temporal graphs.

Rémi Vaudaine, Pierre Borgnat, Paulo Gonçalves, Rémi Gribonval and Marton Karsai.

Using complexity details of ICU monitor data to study extubation outcome

Sandip Varkey George, Gevik Grigorian, Samiran Ray and Simon Arridge

The role of self-regulation in ecological systems

Seong-Gyu Yang and Hye Jin Park.

The effect of memory and heterogeneity in an agent-based language competition model

Jens-Kristjan Liivand, Stefano Scialla, Marco Patriarca and Els Heinsalu.

Prediction of Mass Spectra of Polymers using Weighted Random Graphs

Tamika van T Hoff, Ivan Kryven and Piet Iedema.

Rate of Approach to Nash and Wardrop Equilibria in a Multilayer Network Implementation of a mixed Oligopoly Transport Model

Toby Willis and Giuliano Punzo.

Detecting misinformation on Twitter by measuring the distortion of graph embeddings over time

Victor Chomel, Nathanaël Cuvellé-Magar, Mazyar Panahi and David Chavalarias.

THURSDAY 20th , October

13:00-14:30 POSTER SESSIONS IV

Floor 1

<p>Analysing Crowding and Containment Strategies in University Campus via Passive WiFi Sensing <i>Andrea Guizzo, Alessandro Vezzani, Marco Mamei and Raffaella Burioni.</i></p>
<p>Active links density in the Voter Model with zealots <i>Antoine Vendeville, Benjamin Guedj and Shi Zhou.</i></p>
<p>Assessing flood susceptibility complex dynamics using machine learning <i>Navid Mahdizadeh Gharakhanlou and Liliana Perez.</i></p>
<p>An Empirical Investigation of Statistical Backbone Filtering Techniques <i>Ali Yassin, Hocine Cherifi, Olivier Togni and Hamida Seba.</i></p>
<p>Adaptation and viability of a complex social-ecological landscape with multiple ecosystem services: case study in a French peri-urban area <i>Antoine Brias, Jean-Baptiste Pichancourt and Anne Bonis.</i></p>
<p>On the role of chance in individual sports: an agent-based approach to fencing tournaments <i>Chiara Zappalà, Alessandro Pluchino, Andrea Rapisarda, Alessio Emanuele Biondo and Pawel Sobkowicz.</i></p>
<p>A mathematical model in evolutionary medicine: ecDNA dynamics <i>Elisa Scanu, Weini Huang and Benjamin Werner.</i></p>
<p>Integrating spatially enriched synthetic population outputs to estimate the risk of heat temperatures in urban population strata in the UK <i>Fernando Benitez-Paez, Ruth Bowyer, Hadrien Salat, Dustin Carlino, Daniel Arribas-Bel, Mark Birkin and Gavin Shaddick.</i></p>
<p>Ordered Convective Motion in the Chaotic Phase of an Unstirred Ferriin-catalyzed Belousov Zhabotinsky Reaction <i>Florian Wodlej, Mihnea R Hristea and Giuseppe Alberti.</i></p>
<p>Effect of spatial correlations on Hopfield Neural Network and Dense Associative Memories <i>Giordano De Marzo and Giulio Iannelli.</i></p>
<p>The impact of infrastructural change on social connectivity <i>Yasaman Asgari, Jacques Bara, Paul Bouman, Eszter Bokanyi, Giulio Burgio, Franziska Franek, Matteo Mazzamurro and Liubov Tupikina.</i></p>
<p>Explaining Local Multiplier with Job Connectivity <i>Jisu Lee, Jisung Yoon, Ho-Keun Song, Woo-Sung Jung and Jaehyuk Park.</i></p>
<p>Topological data analysis for brain states detection: visual recognition experiment <i>Anna Pidnebesna, Luigi Caputi, Kamil Vlcek and Jaroslav Hlinka.</i></p>
<p>A system dynamic approach for designing households' biowaste management system <i>Sylvie Huet and Jean-Denis Mathias.</i></p>



THURSDAY 20th , October
<p>Redefine Rationality for Sustainability <i>Jing Zhang.</i></p>
<p>Social hysteresis in a model of opinion dynamics under the quenched disorder. <i>Katarzyna Sznajd-Weron and Bartłomiej Nowak.</i></p>
<p>Technology network focusing on “small” firms <i>Kaito Hosoi and Tomomi Kito.</i></p>
<p>Vaccine hesitancy: a scientometric review of studies on five licensed vaccines <i>Vittoria Offeddu, Laura Pasqua Leone, Duilio Balsamo, Deepak Sharma, Elena D'Agnese, Aleksandra Torbica, Javier Andreu-Perez, Soheil Shayegh and Alessia Melegaro.</i></p>
<p>The microevolution of information on social media <i>Lilia Perfeito and Joana Gonçalves de Sá.</i></p>
<p>Scaling law behaviors in Brazilian state elections indicate that the candidate has a greater chance of winning when he dedicates more campaign effort to the smallest electorates <i>Magda Cardoso, Jusley Talita Grimes de Souza and Wyrllen Everson de Souza.</i></p>
<p>Subdiffusive processes ruled by biased Laplacians <i>Manuel Miranda and Ernesto Estrada.</i></p>
<p>Quantifying mobility responses to COVID-19 containment strategies in Spain <i>Mar Cuevas and Sandro Meloni.</i></p>
<p>Teacher Agency in Complex Educational Systems <i>Mark Hardman and Caroline Daly.</i></p>
<p>Pairwise-Conditional Granger causality tree of EEG responses to long-term audiovisual stimulation <i>Martina Chvosteková.</i></p>
<p>Inferring Network Properties of Global Food Flows from Spatially Disaggregated Data <i>Maxwell Kaye and Eric Galbraith.</i></p>
<p>Climate Resilience of Infrastructure Networks: A 95-year Horizon for Great Britain's Railway Passenger Transport System <i>Qianqian Li, Giuliano Punzo and Martin Mayfield.</i></p>
<p>Interpretable deep learning models for electricity price forecasting <i>Rafal Weron.</i></p>
<p>The n-step Adaptive Actor Critic method for optimization of Adaptive Traffic Signal Control in a single intersection <i>Raul Alejandro Velasquez Ortiz, María Elena Lárraga Ramírez and Luis Agustín Álvarez Icaza Longoria.</i></p>
<p>Real time study of the political opinion using massive data <i>Rémi Perrier, Laura Hernandez, Mariano Gastón Beiró, José Ignacio Alvarez-Hamelin and Dimitris Kotzinos.</i></p>



THURSDAY 20th , October

Analysis of the archives of the International Institute of Intellectual Cooperation

Rubén Rodríguez Casañ, Elisabet Carbó Catalan and Diana Roig Sanz.

Identification and analysis of change in a cartography of opinions: towards developing a tool for representing collective memory and its dynamics

Saeed Harati, Liliana Perez, Yves Lusignan, Sylvie St-Georges and Vincent Lusignan.

Providing better understanding of climate and environmental drivers of sand fly borne diseases – the CLIMOS project

Suzana M Blesic and Carla Maia.

Coevolution of individual perception and cooperative behavior in the Norm Compliance Dilemma

Sara Ghivarello and Alberto Antonioni.

Flu or Not: A computational approach to respiratory-disease surveillance before and after COVID-19

Eleonora Tulumello, Sara Mesquita, Lilia Perfeito, Irma Varela-Lasheras and Joana Gonçalves-Sá.

Synchronization dynamics of coupled-oscillator systems with damaged elements

Shintaro Kamikawa, Hiroki Hata and Shigefumi Hata.

EEG Fractal Dimension Varies over Age in Children

Si Long Tou and Tom Chau.

Network theory as a novel tool to analyze cardiac arrhythmia

Sirius Fuenmayor, Enid Van Nieuwenhuyse, Sander Hendrickx, Robin Van den Abeele, Arthur Santos Bezerra, Sebastien Knecht, Mattias Duytschaever, Daniele Marinazzo and Nele Vandersickel.

Weighted co-activity networks of human mobility during Covid-19: Analysis and Modelling

Tuomas Takko, Kunal Bhattacharya and Kimmo Kaski.

Exploring the dynamics of efferocytosis in the Drosophila embryo using agent-based modelling

Daniel Tudor, Andrew Davidson, Michael Raymond, Linus Schumacher, Will Wood, Kodi Ravichandran

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