

# Forecasting the future for sustainable development



**NEW APPROACHES TO MODELLING AND THE  
SCIENCE OF PREDICTION**

**ONLINE – JUNE 2021, 16–18**

William Brian Arthur  
Scott Cunningham  
Joanna Chataway  
Adam B. Jaffe  
Philippe Krueger  
Andreas Pyka  
Cynthia Rudin  
Andrea Saltelli

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# CALL FOR IDEAS

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It is our pleasure to announce the next upcoming workshop on Approaches to Modelling that will be held on-line, hosted by the OECD and supported by the Institute for New Economic Thinking.

The aim of the workshop is to tackle the complex challenge of forecasting and modelling, with a particular focus on Sustainability. As the prospected Authors you are warmly invited to join us for this enriching meeting and to submit your contribution.

**TOPICS** Topics covered during the workshop include:

- » Sustainability: modelling and innovation practices;
- » Sustainable Development Goals;
- » Bibliometric tools for forecasting emerging technologies;
- » Patents and Innovation trajectories;
- » Non-standard tools for policy making: complex network and agent-based modelling;
- » Responsible Data Science;
- » Interactions between the above mentioned topics.

The event will provide the participants with an excellent opportunity to look into the up-to-date developments in the allied fields and to discuss their research with leading scholars in the field.

## CONFIRMED KEYNOTE SPEAKERS

<b>William Brian Arthur</b>	External Professor, Santa Fe Institute and Visiting Researcher, Intelligent Systems Lab, PARC
<b>Scott Cunningham</b>	Professor of Urban Policy Analysis, University of Strathclyde
<b>Joanna Chataway</b>	Professor and Head of Department of Science Technology, Engineering & Public Policy, University College London
<b>Adam B. Jaffe</b>	Fred C. Hect Professor in Economics, Brandeis University
<b>Philippe Krueger</b>	Associate Professor of Finance, University of Geneva & Senior Chair, Swiss Finance Institute
<b>Andreas Pyka</b>	Professor and Chair in Innovation Economics, University of Hohenheim
<b>Cynthia Rudin</b>	Professor of Computer Science, Electrical and Computer Engineering and Statistical Science at Duke University
<b>Andrea Saltelli</b>	Open University of Catalunya

**APPLICATION** Please submit extended abstract format (max 1000-character + references, including at most one figure) at the following link:  
<https://cesti.typeform.com/to/ZYt2Oz>

Submissions will be evaluated and selected through a peer review process from our scientific committee:

**Guido Chiarotti** Scientific Director, IN Srl & Senior Researcher, Polytechnic University of Turin

**Tommaso Ciarli** Senior Research Fellow, UNU-MERIT, Maastricht & Science Policy Research Unit (SPRU), University of Sussex

**Magda Fontana** Assistant Professor of Public Economics, University of Turin & Senior Researcher, DESPINA Lab

**William Hynes** Professor Emeritus of Economics, University of Aix-Marseille III (FR) & Director of Studies, Ecole des Hautes Etudes en Sciences Sociales (EHESS, FR)

**Daniela Palma** Senior Researcher, Enea

**BACKGROUND** The way research is communicated impacts on the effectiveness to raise interest in the audience and to receive feedback and feedforward from the auditors. As young researchers and students, we are aware of the importance these may have in the progress of our work, particularly when these come from senior and experienced scholars. However, the chances of interacting with senior researchers are either limited or structured in highly-formalised contexts.

For these reasons, as future-minded as the conference issue, **the workshop aims to innovate the way in which research ideas are developed and presented**, while designing a **networking environment** facilitating creativity and discussion.

Borrowing formats now trending in the start-ups area, the workshop will give young and brilliant researchers the chance to discuss their own research projects with selected conference lecturers, allowing them to collect advice and suggestions on how to develop their research works. This will be carried out through:

- » selected applicants will have the chance to attend an interactive workshop held by Dennis Wei (IBM Research) on explainability of AI (XAI). Participants will learn about most recent developments in XAI and get hands-on experience on AI Explainability 360, an open source software toolkit that showcases how machine learning models predict labels by various means, throughout the AI application lifecycle;
- » a special 2-hour workshop held by the OECD where researchers will be able to present their ideas and to receive and give feedbacks to others' work with the help of seniors who will "moderate" the session;
- » the strongest candidates will be selected to have an active role in the sessions more akin to their research interests;
- » breakout rooms during coffee breaks in order to promote co-authorship and collaborations, a network of ideas – and people willing to work on the same topic.

**SUBMISSION  
& TIMING**

Young researchers and students who are keen about joining can send their application by May 31, via this application form:

<https://cest1.typeform.com/to/ZYt2Oz>.

We encourage the submission of digital media detailing the research idea, in particular infographics, 1 PowerPoint slide or a 180-second video/recording. Works should be submitted in English.

**DEADLINE &  
CONTACTS**

Submission deadline: **2021, 31 May**

Registration: <https://cest1.typeform.com/to/ZYt2Oz>

For more detail information, please visit our website:

<http://INETxOECD.associazionecest.it>

Please do not hesitate to contact us: [INETxOECD@associazionecest.it](mailto:INETxOECD@associazionecest.it)