

CALL FOR PAPERS

NEW ANALYTICAL TOOLS AND TECHNIQUES FOR ECONOMIC POLICYMAKING

15-16 April 2019 –OECD, Paris

We are currently in the midst of a revolution in the world of the sciences, social science and policy. This revolution driven by technological and analytical improvements is breaking down the barriers between disciplines and stimulating new integrated approaches to numerous pressing and complex challenges. Advances in computing power are opening up possibilities for integrating systems models, agent-based modelling and computationally-facilitated network analysis. New sources of big or smart data are also emerging.

The conference will focus on research that addresses policy challenges using new approaches and data that can provide a more realistic way of thinking about the world as it really is and help policymakers to better understand and address a range of policy challenges. New tools and methods can explore new dimensions of policy issues including policy interactions, complex systems, non-rational behaviour, multi-dimensional outcomes, network phenomena, non-linear responses, distributional impacts and geospatial effects. At the OECD, the [New Approaches to Economic Challenges \(NAEC\) Initiative](#) is exploring tools and approaches that could contribute to better understanding of the complexity and interaction of our economic, financial, social and environmental systems.

The conference offers a timely opportunity for policy-makers, academics and researchers in economics and other disciplines to discuss the state of the art policy applications emerging from the study of new analytical tools and techniques. It will explore how analytical innovations and interdisciplinary approaches can enhance understanding of economic issues including preventing financial crises, managing systemic risk and understanding processes of economic growth, trade, innovation and sustainability.

Themes of particular interest will include:

- Agent-based Modelling
- Machine Learning
- Big Data Applications
- Evolutionary Economics
- Network Analysis
- Policy Experiments
- New Approaches to Macroeconomic Modelling

Please send your abstract of no more than 250 words to naec@oecd.org before **January 25th 2019**. Abstracts will be considered by a committee comprised of representatives from the organising institutions and a response will be provided before the end of January 2019. For further information please contact the NAEC co-ordinator, William Hynes (William.Hynes@oecd.org).