Call For Paper

The rapid development of artificial intelligence (AI) and agentic AI, advances in machine learning and the expanding availability of alternative, unconventional and high-frequency data continue to reshape opportunities and challenges in economic analysis. In October 2025, experts from public, private and academic entities convened to officially create the Economic Data Science Society (EDSS).

The goal of the Society is to promote the development of data science techniques to understand and solve economic problems, catalyzing fruitful projects at the crossroads of data science and economics and enabling cooperation across entities. This Society, structured under a non-profitable association statute, aims to favour initiatives mixing data science technics and economics. It will have a dedicated web-site, storage capacities to exchange data, programs and papers, and will also organize events, propose tools to help economists and data-scientists (for example to search economic conferences, such as ConfWatcher (https://confwatcher.b2ideas.eu), which already got more than 4000 unique connections worldwide, and will be extended to other domains).

There are already members from many institutions (IMF, European Commission, OECD, the Fed, the ECB, Banque de France, Bank of England, University College London, CREST/Polytechnique, Kayrros, Quantcube Technology…) and new members from public, academic (including students) and private institutions willing to cooperate are welcome to join.

The EDSS invites participants to submit papers to its Inaugural Conference, which will be organized in the premises of Banque de France (31 rue Croix des Petits

Champs, 75001 Paris, France) on 9 & 10 July 2026. It will propose parallel sessions mixing data science and economics, which will be open to members from public, private and academic institutions. Students are welcome!

This event aims to contribute to interdisciplinary work to foster innovative research and inform better decision-making in both academic and policy environments.

We invite you to submit empirical or theoretical work focused on (but not limited to):

- LLM and Applications of generative, agentic and multimodal AI in economic analysis (planning, tool use, multi-step reasoning for economic analysis and surveillance...)

- Benchmarking, evaluation, explainability, decisions/behaviours of LLMs, methodology...

- Web-scraping applied to economics (housing, labour markets, price of goods and services...)

- Law, economics and text analysis

- Tracking of the economy with satellite data

- Narrative extractions in economics

- AI for policy simulation, scenario design and stress testing

- Machine learning, forecasting and nowcasting (applied to central banking / monetary policy and other fields)

- Agent-based models possibly with reinforcement learning, and other complex-systems approaches

- Bridges between econometrics and ML/Deep-Learning/AI, especially to balance accuracy vs. overfitting & epistemic risk

- Advanced learning unusually applied to economics, like self-supervised/transfer learning/foundation models

- Synthetic data generation and its implications for research and policy

- Risks and governance questions around AI adoption in the economy

Hands-on sessions are also planned for students and professionals, which should cover themes such as, but not limited to, satellite data or web-scraping used for the tracking of economic evolutions.

Submissions for presentation at this workshop should be sent to **edss@banque-france.fr** no later than 30 April 2026. Full papers are preferred but extended abstracts may also be considered.

Authors of accepted papers will be contacted by mid-May. The conference will be in-person only. The fees will be equal to 200€ for the two days, except for students for which the fees will be equal to 30€ per day.

For members of the EDSS, the fees will be reduced to 150€ for the two days for non-students and 20€ for students.

A separate social event will be organized on 9 July evening in a restaurant in Paris (location and tariff to be confirmed).

For any enquiry, please contact **edss@banque-france.fr**. We look forward to your contributions!

Confirmed keynote speakers: Stephen Hansen (University College London), Jesús Fernández-Villaverde (University of Pennsylvania), Isaiah Hull (Co-Founder & CTO at FirstQFM, & Research Fellow at Rethinc Labs (UNC Chapel Hill)).

Organizing and Scientific Committees: Silvia Albrizio (IMF), Douglas Araujo (Central Bank of Brazil), Thomas Berthelot (Banque de France), Jean-Charles Bricongne (Banque de France), Marcos Centurion (University of Grenoble), Jérôme Coffinet (Banque de France), Maximilian Freier (ECB), Andreas Joseph (Bank of England), Rabab Khatib (Banque de France), Roland Lubrano (Banque de France), Marwan Menaa (Banque de France), Juan Mora Sanguinetti (Bank of Spain), Anna Simoni (CREST Polytechnique), Leif Anders Thorsrud (BI Norwegian Business School) and Pablo Winant (ESCP).