Provisional Agenda

BdF AI Methods Conference 2025

27-28 octobre 2025, Banque de France, Paris, France (in person only)

Day 1 – 27 October 2025

Topic	*Presenter*	*Time (GMT+1)*
Master of Ceremony	**Marcos Centurión-Vicencio,** *Researcher, Université Grenoble Alpes*	9 am
Welcome Remarks	**Jean-Charles Bricongne**, *Advisor to the Governors of Banque de France on artificial intelligence issues.*	9.10 am
Keynote Speech 1	**Agnès Bénassy-Quéré**, *Vice-President of the Banque de France*	9.20 am – 10 am

Session 1.1 – LLMs for Central Banking: New Frontiers in Policy Analysis and Expectation Formation	10 am – 11.15 am
Chair: Markus Leippold *Professor, University of Zurich and Chair, Swiss Finance Institute*	
○ *From Text to Quantified Insights: A Large-Scale LLM Analysis of Central Bank Communication*	*Thiago Christiano Silva, Kei Moriyab and Romain Michel Veyrunea (International Monetary Fund)*
○ *Monetary-Intelligent Language Agent (MILA)*	*Felix Geiger, Dimitrios Kanelis, Philipp Lieberknecht, Diana Sola (Deutsche Bundesbank)*
○ *Expectation formation in Large Language Models*	*Nikoleta Anesti, Edward Hill and Andreas Joseph (Bank of England)*
Q&A session	*20 minutes*

Possible Table ronde avec des acteurs du privé (?)	11:15 pm – 12.15 pm

Lunch Break 1	12:15 pm – 2 pm

Session 1.2 (Book) – Machine Learning for Heterogeneous Central Banking Data	2 pm – 3.15 pm
Chair: Claudia Voicilă *Senior Economist, National Bank of Romania*	
○ *Machine learning in central banking with "Gingado"* *(tbc)*	*Douglas Araújo (BIS)*
○ *Using Machine Learning for Sensitivity Analysis in Climate-Economic Models: Implications for Central Banking*	*Daniel Presta and Matheus Grasselli (McMaster University) and Michel Alexandre (Central Bank of Brazil)*

○ *Infusing economically motivated structure into machine learning methods*	*Marcus Buckmann and Galina Potjagailo (Bank of England)*
Q&A session	*20 minutes*

Session 1.3 – Advancements in Macroeconomic Forecasting Methodologies	3.15 pm – 4:30 pm
Chair: Anna Simoni *Researcher, CNRS and Professor, ENSAE and Ecole Polytechnique*	
○ *Nowcasting using regression on signatures*	*Samuel N. Cohen and Lingyi Yang (University of Oxford/The Alan Turing Institute), Giulia Mantoan and Arthur Turrell (Bank of England), Lars Nesheim (University College London/The Alan Turing Institute) and Aureo de Paula (University College London)*
○ *Dual Interpretation of Machine Learning Forecasts*	*Philippe Goulet Coulombe (Université du Québec), Maximilian Göbel (Brain), Karin Klieber (Oesterreichische Nationalbank)*
○ *Forecasting Inflation with the Hedged Random Forest*	*Elliot Beck (Swiss National Bank) and Michael Wolf (University of Zurich/ADIA Lab)*
Q&A session	*20 minutes*

Coffee Break 2	4.30 pm– 4:45 pm

Round Table – From Innovation Labs to Policy: Practical Applications of AI in Central Banks	4:45 pm – 6 pm
Moderator: Marcos Centurión-Vicencio *Researcher, Université Grenoble Alpes*	
○ ***Rebecca McCaughrin****, VP Policy & Market Analysis, Federal Reserve Bank of New York*	
○ ***Olivier Lantran****, Head of Le Lab Innovation Centre, Banque de France*	
○ *Participant 3 (tbc)*	
Q&A session	*20 minutes*

Close of Day 1	**6 pm**

Day 2 – 28 October 2025

Topic	*Presenter*	*Time (GMT+1)*
Master of Ceremony	**Rémy Lecat**, Deputy Director of Research and Risk Analysis, ACPR, Banque de France	9 am – 9:05 am
Keynote Speech	**Ajit Desai,** Adviser, BIS Innovation Hub	9:05 am – 9:45 am

Session 2.1 – The Signal in the Speech: AI for Central Bank Communication Analysis	9:45 am–11 am
Chair: Galina Potjagailo *Senior Advisor, Bank of England*	
○ *What's New in Central Bankers Speeches? Unexpected Messages and Market Reactions*	*Douglas Araujo(BIS), Michael Ehrmann (European Central Bank) and Deniz Erdemlioglu (IESEG School of Management)*
○ *Reading between the lines - Uncovering asymmetry in the central bank loss function*	*Markus Haavio, Joni Heikkinen, Pirkka Jalasjoki, Juha Kilponen, Maritta Paloviita, Ilona Vänni (Bank of Finland)*
○ *The Emotions of Monetary Policy*	*Sinem Kandemir (European Central Bank), Mamadou-Lamine Barry, Brenton Joey Bruns, Peter Tillmann (Justus Liebig University), Jens Klose and Victor Smirnov (THM Business School)*
Q&A session	*20 minutes*

Coffee Break 2	11 am–11:30 pm

Session 2.2 – Enhancing Supervisory Tools: Explainable Metrics and AI Models for Credit Risk	11:30 am - 12:15 pm
Chair: Rémy Lecat *Deputy Director of Research and Risk Analysis, ACPR, Banque de France*	
○ *Multimodal Generative Models for Bankruptcy Prediction Using Textual Data*	*Rogelio A. Mancisidor (BI Norwegian Business School) and Kjersti Aasb (Norwegian Computing Center)*
○ *Measuring the Driving Forces of Predictive Performance: Application to Credit Scoring*	*Sullivan Hué (Aix Marseille University, CNRS) Christophe Hurlin (University of Orléans), Christophe Pérignon (HEC Paris) Sébastien Saurin (University of Orléans)*
Q&A session	*15 minutes*

Lunch Break 2 ○ *Tour Bank of France (invitation only)*	12:15 pm – 2 pm

Session 2.3 (Book) – AI Innovations for Suptech and Macro-Financial Surveillance	2 pm – 3.30 pm
Chair: Emily Kormanyos *Researcher, Deutsche Bundesbank*	
○ *Artificial Intelligence in Suptech*	*Laura Macchioni, Nikolas Passos and Hugo Bourrousse (European University Institute), Caroline Miaguti (Bradesco Bank)*
○ *Identifying Topic-related Content in a Large Dataset of Central Bank Speeches* (tbc)	*David Arseneau (Federal Reserve), Mitsuhiro Osada (Bank of Japan) and Stefan Arseneau (Boston University)*
○ *How central banks and supervisors can use alternative techniques and artificial intelligence to follow economic developments more extensively*	*Jean-Charles Bricongne (Banque de France)*
○ *Risk Monitoring in a Financial Market Infrastructures: A Multimodal Deep Learning Approach in Central Banking* (tbc)	*Guillermo Avellán (Central Bank of Ecuador), Jeniffer Rubio, Johanna Cantuña and Stefano Cruz (Universidad de las Américas)*
Q&A session	*20 minutes*

Coffee Break 2	3.30 pm – 4 pm

Session 2.4 – Novel AI Methods for Economic Modelling and Data Extraction	4 pm – 5.15 pm
Chair: Sebastian Barnes *Head of Division, Economics Department, OECD*	
○ *Generative Economic Modelling*	*Hanno Kase (European Central Bank), Matthias Rottner (BIS / Deutsche Bundesbank), Fabio Stohler (University of Bonn)*
○ *Let the Tree Decide: FABART A Non-Parametric Factor Model*	*Sofia Velasco (Banco de España)*
○ *Efficacy of AI RAG Tools for Complex Information Extraction and Data Annotation Tasks: A Case Study Using Banks' Public Disclosures*	*Nicholas Botti, Flora Haberkorn, Charlotte Hoopes, Shaun Khan (Federal Reserve)*
Q&A session	*20 minutes*

Closing Remarks	**Jérôme Coffinet,** *Deputy director Data and Analytical Services, Banque de France*	5.15 – 5.45 pm

End of Conference	5.45 pm