



INTERNATIONAL
BANKING
FINANCE
INSTITUTE

Online seminar • 19-21 May, 2026

Big Data and AI

All times correspond to Central European Time (CET)

Connection details on Webex will be sent to registered participants a few days before the course

Seminar in English only

Course manager: Luwana SCHALL

Programme

Tuesday 19 May 2026 - Strategy and Governance at the BdF and use cases

10:00 – 10:15 AM	Organisational introduction to the course and results of the benchmark on big data/AI practices of other national central banks Luwana Schall (BdF, IBFI), Course manager
10:20 – 11:15 AM	Strategy and governance of big data and generative AI at the BdF (including the national framework in France) Jérôme Coffinet (BdF, DGSI)
11:20 – 12:15 PM	Use of data science techniques and generative AI to monitor the economy: the example of the BdF Jean-Charles Bricongne (BdF, DGSEI)
12:20 – 1:30 PM	Break
1:30 – 2:25 PM	Data platform offers at the BdF Jérôme Coffinet (BdF, DGSI)
2:30 – 3:25 PM	Diagnostic Tool for French enterprises (ODACC) Juliette Delisle (BdF, DGSEI DICLI) and Alexandre Berthenet (BdF, DGSEI DICLI)
3:30 – 4:00 PM	Green AI at the Banque de France Alix de Cremoux (BdF, DGSI)
4:05 PM	END OF DAY 1

Wednesday 20 May 2026 - Use cases at the Banque de France/other institutions

10:00 – 10:05 AM	Organisational introduction to the course and short review of yesterday's lectures Luwana Schall, BdF, IBFI (Course manager)
10:05 – 10:50 AM	Big data use case to steer money emissions quantity François Hazenberg and Jacques-Olivier Royan (BdF, DGMP)
10:55 – 11:50 PM	Streaming data from our cash centre Michiel Nijhuis, Data Science Hub, De Nederlandsche Bank, Retail Payments
12:00 – 1:00 PM	Panel discussion: Using AI effectively and safely in central banks Dragos Gorduza (Bank of England), Christopher Cleasby (PRA) and Fabien David (BdF, CG), moderated by Claire Greene (Bank of England)
1:00 PM	END OF DAY 2

Thursday 21 May 2026 – More use cases and trends of other institutions

10:00 – 10:05 AM	Organisational introduction to the course and short review of yesterday's lectures Luwana Schall, BdF, IBFI (Course manager)
10:05 – 10:50 AM	French on-site supervision approach: integration of transaction analysis tools into the blockchain Sergueï Georges (BdF, CG)
11:05 – 11:50 PM	Massive Data Processing: Advanced Use Cases for Business Users on the BDF Data Platform Abderrahmen Dridi (BdF, DGSI)
11:55 – 12:30 PM	Measuring disagreement within the Fed committee through a semantic analysis of members' speeches Alexandre Ménard (BdF, DGSEI) (TBC)
12:30 – 1:15 PM	Break
1:15 – 2:00 PM	Use case of an AI-powered monitoring tool for combating AML-FT in financial transactions Gabriel Lafitte (BdF, DGSI)
2:15 – 2:25 PM	The IMF Big Data Center: Driving Transformative and Responsible Use of Big Data for Impactful Policy Decisions Alberto Sanchez (Big Data Center, IMF)

2:25 – 3:10 PM	Using AIS Data to Monitor Trade Disruptions and to Nowcast Trade with PortWatch Alessandra Sozzi (Big Data Center, IMF)
3:15 – 3:45 PM	Using Nontraditional Data and ML for GDP Nowcasting with the IMF Nowcasting Hub Iyke Maduako (Big Data Center, IMF)
3:45 – 4:10 PM	New initiatives: Census of Buildings and GeoPulse Alberto Sanchez (Big Data Center, IMF)
4:15 – 4:25 PM	Closing remarks Jérôme Coffinet (BdF, DGSI)
4:25 – 4:30 PM	Course assessment Luwana Schall (BdF, IBFI), Course manager
4:30 PM	END OF DAY 3

BdF: Banque de France; IBFI: International Banking and Finance Institute; DGSI: Directorate General Information System; DDSA: Data and Analytic Services Directorate (as part of the DGSI); DGSEI : Statistics, Economics and International Director General; DMA: Markets Directorate (as part of Directorate General Financial Stability and Operations Director General); DGMP: Directorate General Currency and Retail Payments Director General; CG: General Control; DGSO: Financial stability and operations Directorate General; IMF: International Monetary Fund; PRA: Prudential Regulation Authority (UK)

Mini-bios (not exhaustive)



Jérôme Coffinet is Deputy Director of the Data and Analytic Services Directorate of the Banque de France (BdF). Previously, he occupied various positions in statistics, monetary policy, financial stability and banking supervision at the Banque de France and at the Autorité de Contrôle Prudentiel et de Résolution. He is currently a member of the Regulatory Oversight Committee of the Global LEI System and of the Central Bank Data Collaboration Group. He holds master's degrees in physics, public administration and econometrics.

Jean-Charles Bricongne is a seconded national expert at the European Commission (DG ECFIN), advisor to the Banque de France's Director General Economics and Research, and Head of the trade and competitiveness division. He has written on various topics in applied trade analysis, globalisation statistics, financial macroeconomics, housing, migration, highfrequency indicators, and the implementation of datascience techniques in economics. He has published in various journals, including in the Journal of Econometrics and the Journal of International Economics. He holds a PhD from Paris I Panthéon-Sorbonne University and is an engineer from Ecole Centrale Paris.



Michiel Nijhuis is a data scientist at the Data Science Hub of De Nederlandsche Bank (DNB), specializing in advanced analytics and machine learning applications. His work spans central banking and prudential supervision, applying machine learning techniques to various subject matters from banknote sorting to nowcasting of greenhouse gas emission, stress testing, and outlier detection in supervisory data. In 2023, he was seconded to the European Central Bank (ECB) to investigate climate transition risk in credit portfolios. Earlier in his career, he worked as a software developer, integrating machine learning algorithms into an energy planning software suite. Michiel holds a PhD in Electrical Engineering from TU Eindhoven and an MSc in Sustainable Energy Technology from TU Delft.

Alix de Cremoux specializes in production-grade AI within the financial sector as a Machine Learning Engineer at Banque de France. Her technical foundation combines a Data Science-focused engineering degree from the Université de Technologie de Compiègne (UTC) with an MS in Machine Learning from Georgia Institute of Technology. Her recent work centers on sovereign AI deployment and Azure cloud integration, notably spearheading the use of Mistral LLMs for internal intelligent assistants. Beyond her engineering role, Alix is a dedicated Employer Brand Ambassador and mentor, contributing to the bank's innovation ecosystem through hackathons and workshops.





Fabien DAVID has been in cybersecurity for 28 years and has been working for the Banque de France for 6 years within the CISO team. He deals with GRC topics (Governance, Risk & Compliance) as a cybersecurity risk manager. This gives him a comprehensive overview of the Bank of France's entire risk management framework, whether it concerns banking or industrial information systems. Fabien also takes part in several working groups specialized in cybersecurity regulation.

Dr Claire Greene has been working at the Bank of England since 2017. As a Senior Policy Technical Specialist in the Prudential Regulatory Authority, Claire has been developing policy on ICT and cyber for financial services firms. She has experience of working in supervision with the Financial Markets Infrastructure Directorate. Claire has spent three years at the UK's National Cyber Security Centre, where she worked on the implementation of the Network and Information Systems (NIS) Regulations. Claire is a chartered accountant, a member of CiiSEC, and CISSP-certified. Along with her knowledge of cyber security, Claire has a keen interest in the intersections of AI, governance and business growth. Claire has a PhD in History.



Abderrahmen Dridi is a Tech Lead in Data Engineering at the Banque de France. Working on data topics since 2016, he has contributed to AI, advanced analytics, and Big Data initiatives, covering the full lifecycle from ideation to industrialization. His current work focuses on data ingestion and transformation, while enabling business users and data teams through simplified access to the data platform and reusable, production-ready building blocks. He holds a dual engineering degree in Computer Science and Mathematics from ENSIIE and an MSc in Data Science from Université Paris-Saclay.

Gabriel Laffitte is a Machine Learning Engineer at the Banque de France. He holds a Master's degree in Artificial Intelligence, and his current work focuses on anti-money laundering, with particular expertise in graph-based approaches and the integration of AI into large-scale operational processes.





Alessandra Sozzi is a Data Scientist at the Big Data Center within the Statistics Department of the International Monetary Fund (IMF), specializing in the use of big data and non-traditional data sources for official statistics and high-frequency economic indicators. She played a key role in developing PortWatch, an online platform leveraging AIS sensor data to monitor global trade disruptions and nowcast trade, and GeoPulse, the IMF's new geospatial platform. Prior to joining the IMF, she worked as a Data Scientist at the UK's Office for National Statistics. Alessandra holds an MSc in Data Science and Analytics from Royal Holloway, University of London.

Alberto Sanchez is a Data Scientist in the Big Data Center of the IMF's Statistics Department. Alberto leads data analysis projects aimed at bringing nontraditional data into official statistics. He focuses on Big Data infrastructure, governance, and dissemination and is very much involved in training and technical assistance. A national of Spain, prior to joining the IMF he was the head of the data applications at the National Statistics Institute of Spain and a data scientist at the World Bank. Alberto graduated in Mathematics from the Complutense University of Madrid, Spain, specializing in Statistics and Operations Research, and in Applied Mathematics from the University of Manchester, UK.



Iyke Maduako is a Data Scientist at the IMF Big Data Center. His major area of work is at the intersection of Geospatial Data Science and Macroeconomic Statistics which includes capacity development and working on innovative projects, leveraging satellite data, machine learning, and AI to support economic surveillance for diverse economies. He has also worked for other international organizations including the UN. Iyke has a PhD in Geospatial Data Science from the University of New Brunswick Canada.

Alexandre Berthenet has been working at the Banque de France for 1.5 years within the I-Climate Directorate (DICLI), in the Institutional and Strategic Affairs unit. Previously, he spent 4 years in the climate department of a major French public group, focusing on climate transition issues. He also has 6 years of experience in digital services companies.

