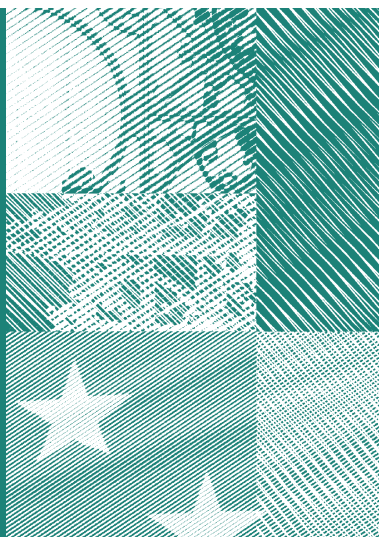


International Cooperation: Catalogue of Activities

2021



International Cooperation: Catalogue of Activities

2021

Governor's message

The international cooperation activities of the Banco de España aim to establish, maintain and strengthen the ties of collaboration and the exchange of knowledge, experiences and good practices with other central banks and international financial institutions that help us fulfil our remit. These activities are pursued through the coordinated action of experts from all areas of the Banco de España, working in the various international technical cooperation areas and projects.

Illustrating the importance we give to this function, our Strategic Plan 2020-2024 has as one of its objectives to strengthen and extend international cooperation action. Indeed, this is a key instrument for the design and entrenchment of the Banco de España's international projection and, in particular, for bolstering our relations with Latin America. In this connection, we aim to maintain our habitual spheres of action, but also to extend the regional scope of our relations to the central banks and institutions of EU candidates and of African and Asian countries. This is the global cooperation strategy that provided the guidelines for last year's programme of activities and which will be given continuity in the related programme for 2021 detailed in this catalogue.

Like last year, 2021 will inevitably be influenced by the prolongation of the COVID-19 pandemic, which has unleashed a health and economic crisis unprecedented in recent history. In international cooperation, the Banco de España has responded to this challenge by resorting to digital tools to pursue its activities, making its agendas more flexible and adapting project content to the needs arising from the pandemic, and stepping up contact with collaborators. This response managed to preserve the scope and impact of our international cooperation in 2020. And for 2021 the catalogue has retained a flexible and adaptive programme.

To overcome these challenges and successfully undertake these cooperation initiatives requires significant effort and dedication by the Bank's staff and teams. And I publicly acknowledge them in this respect. Our long-standing experience and the goals achieved in this field suggest we can renew this effort, in the conviction that international cooperation offers countless benefits to institutions, to their staff and to society as a whole.

Pablo Hernández de Cos
Governor





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1 Calendar of scheduled activities

CALENDAR OF SCHEDULED ACTIVITIES¹

DATE	ACTIVITY	CO-ORGANISED BY	PAGE
15-18 February	Statistical Tools for Reviewing Provisioning Models	ASBA	13
23-25 March	IV Meeting of the Fintech Forum	CEMLA-BC Chile	15
19-21 April	Technological and Operational Risk Review	ASBA	16
10-14 May	Seminar on the Euro and International Reserve Management		18
1-3 June	Meeting of Experts on Big Data and Data Science Applications and Development at Central Banks	CEMLA	19
21-23 June	Meeting of Experts on Good Governance and Transparency: Independence, Functions and Modernisation of Central Banks	CEMLA	20
13-15 July	II Meeting of Heads of Financial Risk Management in Central Banks	CEMLA-BC Costa Rica-Banco de México	22
7-9 September	XI Meeting of Heads of Financial Stability	CEMLA	23
27-30 September	Tools for Accounting Classification of Risks and Individual Provisions	ASBA	24
5-7 October	Meeting on Document and Archives Management at Central Banks	CEMLA-BC Costa Rica	25
Delayed, no new date decided	Meeting of Internal Audit Experts on the New Challenges Facing Central Bank Internal Audit		26
19-20 October	XV Meeting of Central Bank Treasurers	CEMLA	27
21-22 October	VII Meeting of Experts on Action Against Coin Counterfeiting	CEMLA	28
25-29 October	III Course on Financial Stability	CEMLA	29
26-28 October	Seminar on Internal Audit	ECB-CB Belgium	30

¹ Since the programme of activities may be updated during the year, the most recent version should be consulted at:

https://www.bde.es/bde/en/secciones/sobreelbanco/coopera/Cooperacion_internacional.html.

This webpage also includes detailed information about each activity.

For any queries, please contact: cooperacion.internacional@bde.es.

CALENDAR OF SCHEDULED ACTIVITIES (cont.)

DATE	ACTIVITY	CO-ORGANISED BY	PAGE
Dalayed until 2022	Technical Meeting on the Central Credit Register		31
22-26 November	II Course on Financial Market Infrastructures	CEMLA	32
22-26 November	XVIII International Seminar on Central Banking		33
29 November- 1 December	Technological Risk and Cyber Security	ASBA	35

NOTE: The Banco de España presents the primary source of action through its annual catalogue, which sets out the cooperation activities for the year.

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meetings will be held virtually.

2 Courses, seminars, and technical and expert meetings



15-18 February

Description

The entry into force of IFRS 9 entailed a paradigm shift in how loan loss provisions are calculated and has naturally drawn the prudential supervisor's attention to the calculation of collective allowances. Review of these provisions/allowances has highlighted the need to increase the knowledge and use of the quantitative tools available to inspectors. These tools are essential for reviewing internal credit risk measurement models (underwriting, pricing, monitoring, classification and others) and, in particular, collective estimation of loan loss provisions/allowances models.

Aim and content

Real examples from inspections will be used on: a) replication of calculations; b) various tests to assess the reasonability of the methodology and the databases used to construct the models; and c) quantitative revisions of the provisions/allowances calculated.

The course content will be divided into four blocks:

- Introduction:
 - Introduction to credit impairment measurement under IFRS 9.
 - Data request: loan tape, inventory tape, recovery tape.
 - Challenger models.
 - Introduction to R and R- Studio.
- Tools and techniques. Data processing and analysis using R Studio.
- Probability and risk modelling.
- Value and loss modelling.

Machines will have to have the “R” software installed for the practical exercises. It is open software and internal authorisation by each supervisor will probably be needed for its installation.

Professional profile of attendees

Banking supervision inspectors and junior analysts. The course includes an introduction to “R”, so no previous knowledge of the software is required.

Organisation, duration and format

The seminar is organised jointly by the Banco de España and ASBA (Association of Supervisors of Banks of the Americas). It will be held in Spanish and will be run by Banco de España expert trainers.

The seminar will be held virtually, with a total duration of 12 hours, divided between four sessions, combining off- and online work.

Participation is by invitation only from ASBA.

23-25 March

Aim and content

The purpose of the meeting is to provide a framework for various countries to exchange their experience regarding the implications (for different areas of central banks) of new technological developments affecting the financial system. The meeting is intended to have a broad scope for discussing the challenges which have arisen and how operational, analytical and regulatory matters are being addressed.

Professional profile of attendees

The meeting focuses on professionals who are members of the Fintech Forum and from central banks in Latin America which are members of CEMLA (Center for Latin American Monetary Studies). It targets middle and high-ranking officials who are interested in sharing their experience and in finding out about the latest developments in technological innovation in the finance industry.

Organisation and format

The meeting is organised by CEMLA. It will be held virtually via the Zoom platform in English, with simultaneous interpreting into Spanish.

The meeting will take the form of several sessions on different subjects (digital currencies – from design to implementation –, digital payments, regulatory challenges for Bigtech and sustainable digital finance).

Each session will include speakers on central banks' and financial institutions' experience in these matters.

Participation is aimed at central bank representatives in the Fintech Forum.

19-21 April

Description

The course presents the key aspects to consider when planning and conducting operational and technological risk inspections.

Aim and content

The course aims to: introduce the basic concepts of operational and technological risk management processes to those not familiar with them; identify the main operational and technological risks that financial institutions face; and introduce the key aspects of operational and technological risk inspections by way of practical examples and common findings based on experience.

Content:

Operational Risk

- Introduction: definition and concepts.
- Internal governance framework, policies and procedures.
- Risk management. Operational risk identification and map. Legal/compliance, fraud, new products, outsourcing, etc.
- Risk appetite, measurement and monitoring.
- Business continuity and contingency.
- Operational losses. Identification, recording and action plans.
- Capital. Calculating requirements and new regulatory developments.
- Reporting and definition of indicators.
- Internal audit.

Technological Risk

- Introduction: technological risk in the financial system.
- Technological risk management. Three lines of defence model.
- Technology strategy vs. business strategy.
- Organisation. Outsourcing risks. Reporting.
- Budget management.
- Information system architecture. Capacity management.

- Information security.
- Incident and problem management.
- Operations management.
- Project management. Change management.
- Systems availability.
- Data quality.

Professional profile of attendees

Banking supervision inspectors and junior analysts.

Organisation, duration and format

The seminar is organised jointly by the Banco de España and ASBA. It will be held in Spanish and will be run by Banco de España expert trainers.

The seminar will be held virtually, with a total duration of nine hours divided into three morning sessions.

Participation is by invitation only from ASBA.

10-14 May

Aim and content

The management of international reserves is one of the areas of most interest to central banks and, accordingly, it is particularly important for experts to gain more in-depth knowledge and exchange their views and experiences. This is especially true in the current setting of low interest rates, since investment possibilities are increasingly complex and the financial markets offer an ever wider array of instruments and options. Against this background, the diversification of assets and currencies gains significance. Some of these new possibilities are related to the euro's international role, sustainable finance or financial innovation.

Against this backdrop, the meeting aims to analyse in detail the main trends in central banks' management of international reserves and in the investment instruments and tools used. The current economic setting, the global financial outlook and the implications thereof for the management of reserves will also be reviewed. Additionally, the financial instruments traded in the main reference markets, the quantitative tools and systems used to analyse and manage investments, and the main aspects relating to the settlement of transactions will be addressed. Lastly, the meeting will address, *inter alia*, current issues of particular importance and impact for reserve management, such as the adoption of the principles of responsible and sustainable investment or the potential disruption arising from financial innovation.

Professional profile of attendees

The meeting is targeted at senior central bank professionals working in the portfolio management and external asset settlement areas or who have knowledge of and/or prior experience in this discipline, allowing them to actively participate in the discussions.

Organisation and format

The meeting is organised by the Banco de España. Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually. It will be held in Spanish, with speakers from the Directorate General Operations, Markets and Payment Systems and other areas of the Banco de España, and with presentations by some participants.

The meeting requires active participation by attendees, allowing for the exchange of different countries' experiences in order to enrich participants' knowledge of asset management mechanisms in central banks.

Participation is by invitation only.

1-3 June

Aim and content

Modern data analytics tools are gradually entering central banking and many central banks have now included these techniques in their procedures and analysis. This CEMLA Meeting of Experts aims to make a first approach to the developments and initiatives being undertaken by the region's central banks in the field of big data and data analytics. It intends to provide a forum for debate and exchange of experiences on the progress made, the possibilities of cooperation between central banks, the technical requirements, the legal implications and the skills that analysts and researchers will need to address the challenge of including these techniques in central banking's customary instrument set.

Professional profile of attendees

Central bank economists and data scientists who are developing big data or data analytics projects. The meeting is aimed at CEMLA central bank members, as well as other central banks, including G20 countries and emerging market economies (EMEs), and institutions such as the IMF, the BIS, SEACEN and development banks (the World Bank, the IDB).

Organisation and format

The meeting is organised by the Banco de España in collaboration with CEMLA. Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually.

The meeting will be held virtually from Madrid.

There will be morning and afternoon sessions, with experts from the Banco de España and other participating institutions.

Participation is by invitation only. Registrations will be processed by CEMLA.

21-23 June

Aim and content

The meeting aims to provide the various representatives of the participating central banks with a common framework to analyse the models to follow and the best practices learnt on central bank governance.

Key aspects of central banks will be analysed, such as their independence and autonomy; transparency and accountability mechanisms; new functions to be developed by central banks in response to the external environment; strategic lines of action designed by senior management to modernise our institutions; the ethical and internal compliance framework; digital transformation of procedures and documentation management; and developing mechanisms and initiatives in their relationship with society and the general public.

To this end, a number of papers and presentations will be given to provide participants with the opportunity to attend workshops where they can share thoughts and ideas that may prove useful to all the institutions represented at this event. Attendee participation will also be encouraged through questions and suggestions to help enrich the discussion.

In addition, on this occasion, the meeting will specifically analyse the effects of the COVID-19 pandemic on changes in decision-making processes, the functioning of collegiate bodies and the resulting acceleration of digitalisation and electronic administration processes at our central banks, and on the relationship with the general public and other public and private institutions.

Professional profile of attendees

The meeting seeks to bring together professionals from Latin American central banks that are members of CEMLA or from other participating countries who have an understanding or are interested in the challenges, functions and structural changes facing central banks. Notably, in recent years the concept of governance has gradually acquired a broader sense, such that it encompasses any position of a central bank concerning the processing, taking or coordination of the decisions of the governing or management bodies, institutional coordination or cross-departmental functions, or any position of the organisation with an impact on institutional procedures or those relating to compliance with institutional functions.

This meeting is also recommended for all those with a position of responsibility in the institution wishing to have a fuller view of the strategy, functions or global structure of a central bank, its transparency and accountability mechanisms, modernisation and digital transformation, or the tasks relating to the management of internal procedures or to improving institutions' corporate responsibility or relationship with society and the general public.

Organisation and format

The meeting will be organised by Banco de España in collaboration with CEMLA. Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually from Madrid, in Spanish.

There will be translation into English if there are any attendees requiring this language and if it is technically feasible. It will take a theoretical and practical approach, and will include discussion of the particularly relevant central bank governance issued mentioned above. On this occasion, particular attention will be paid to the role that central banks should play in developing functions to respond to the new external environment and the world's changing financial landscape, with special emphasis on the effects of COVID-19. Renowned experts will provide their view on the external environment, in specific presentations focusing on the understanding of society, the geopolitical environment and the latest technological developments in light of recent events.

Participation is by invitation only. Registrations will be processed by CEMLA.

13-15 July

Aim and content

The aim of the meeting is to address the challenges facing central bank financial risk managers in the present climate, with particular emphasis on analysis of the effects of the COVID 19 crisis on central banks' balance sheets and financial risk management. Other topical matters to be addressed will include the challenges posed by investment in green bonds and the role of risk managers in the inclusion of environmental, social and governance (ESG) criteria in central banks' investments, and especially climate change-related aspects.

Participants will also have the opportunity to share notes on developments in other risk management-related matters, such as governance, measurement and control, strategic asset allocation, financial risk coverage policies, inter-linkage with other corporate risks and regulatory compliance aspects.

The participants will be encouraged to take an active part. In particular, the focus will be on exchange of experiences, with panel discussions on certain important aspects of common interest in the field of central bank financial risk management.

Professional profile of attendees

The meeting is aimed at central bank financial risk management experts or managers (foreign reserve management and monetary policy implementation risks).

Organisation and format

It is organised jointly by the Banco de España and CEMLA. Banco de México and Banco Central de Costa Rica are also co-sponsors.

This edition will be held in San José (Costa Rica), hosted by the Banco Central de Costa Rica. It will be held over three days, in morning and afternoon sessions, combining theoretical sessions with panel discussions. It will be held in Spanish. If the circumstances at the time do not permit face-to-face sessions, the seminar will be held virtually with a shortened timetable.

Participation is by invitation only.

7-9 September

Organisation and format

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually.

On dates closer to this meeting, more details will be published of the contents of the agenda. Please visit the International Cooperation section of the Banco de España website.

27-30 September

Description

For several decades, credit file review has been a trademark of the credit institution inspection work performed by the Banco de España. So too has the development, by the Banco de España's Regulation department, of highly detailed rules and regulations on the accounting classification of credit transactions and the calculation of provisions (currently covered in Annex IX of Banco de España Circular 4/2017).

This course is based on the case method, with nine anonymised case studies drawn from real inspection work. This will give participants the opportunity to address situations similar to those faced by banking supervision inspectors in the course of their credit file review work, both relating to accounting classification and individual estimation of provisions (this course does not cover the estimation of collective provisions).

Aim and content

The course content is as follows:

- Introduction to credit portfolio review.
- Classification: Performing, Stage 2 exposures (SICR) and Non-performing.
- Forbearance.
- Case studies: Stage 2, Stage 2 and forbearance.
- Leveraged finance inspections.
- Case studies. Going concern: steady-state, two-step and discounted flows.
- Case studies. Gone concern and leveraged.

Professional profile of attendees

Banking supervision inspectors and junior analysts.

Organisation, duration and format

The seminar is organised jointly by the Banco de España and ASBA. It will be held in Spanish and will be run by Banco de España expert trainers.

The seminar will be held virtually, with a total duration of 12 hours, divided into four morning sessions.

Participation is by invitation only from ASBA.

MEETING ON DOCUMENT AND ARCHIVES MANAGEMENT AT CENTRAL BANKS

Towards improving the management and digitalisation of document processes and archives, and modernising our institutions

5-7 October

Aim and content

The aim of the meeting is to present and analyse best practices in central bank documentation management, based on the understanding that appropriate management in this area contributes to the greater efficiency of each institution and improves the use of its resources. For this purpose, different experiences will be analysed and the best models will be examined from the standpoint of processing data and developing it as electronic documentation, attaching great importance to the processes of document modernisation and digitalisation. In particular, the meeting will examine the importance of properly managing and organising central bank processes and archives and optimising resources, and the progress made towards digitalisation and electronic archives. Some of the specific features of the processes relating to the transparency of public information, personal data protection or third-party access to information will also be analysed.

In addition, emphasis will be placed on the importance of historical archives insofar as they are the living memory of institutions, and on the need to endow them with the means, procedures and resources required for research work. The meeting will also analyse the importance of the corpus of documents as a whole and of those considered to have historic or artistic value.

On this occasion, the meeting will specifically analyse the effects of the COVID-19 pandemic on documentary policy, the processing and management of archives (particularly electronic archives) and the resulting acceleration of digitalisation and electronic administration processes at our central banks.

Professional profile of attendees

The meeting is targeted at professionals from CEMLA member Latin American central banks who have knowledge of any of the following: documentation or information management; general archives or records; document digitalisation; electronic administration; processes relating to public information transparency, personal data protection or third party access to information; historical archives or any other topic relating to documentary heritage collections.

Organisation and format

The meeting will be organised by Banco de España in collaboration with CEMLA. It will be held in Spanish, with the possibility of translation into English if required and technically feasible. There will be expert speakers from the Banco de España's General Secretariat and renowned external speakers who will provide an external view and approach on the impact of COVID-19 on all the issues addressed at this meeting, particularly the modernisation of our institutions.

Participation is by invitation only. Registrations will be processed by CEMLA.

Delayed, no new date decided

Aim and content

The internal control frameworks of operating processes are increasingly complex owing to their greater reliance on information systems and the increasingly sophisticated security measures of those systems. This level of sophistication is largely in response to cyber threats, which are increasingly more specific and more targeted, but it is also due to the new operating environments, such as cloud services. All this highlights the need for internal auditors to share experiences and knowledge, so that they can address with more assurance the challenge that assessing the security of information systems entails today. The aim of this technical meeting of auditors is to examine these challenges, so that the participants may share the approaches and practices followed in the identification of risks, control objectives and control practices, and in the performance of substantive checks and tests that will permit reasonable assurance of the sufficiency and effectiveness of the controls and measures implemented.

In this first such meeting, the focus will be on aspects relating to information system and cybersecurity audits. In addition, the different sessions will address new trends and technologies that are having – or may in the near future have – an impact on audit activity: blockchain, digital currencies, document protection through digital rights management (DRM), operationalisation of security information and event management (SIEM) from security operations centres (SOCs), Agile methodologies applied to internal audit, etc.

Professional profile of attendees

This first meeting is aimed at central bank senior auditors with ample experience in, and knowledge of, information systems and cybersecurity audit.

Organisation and format

The meeting is organised by the Banco de España and will be held in Madrid in Spanish, with simultaneous translation into English. It will run over two and a half days, in morning and afternoon sessions. There will be speakers from several European and Latin American central banks.

If it is not possible to hold the meeting physically, it will be cancelled and postponed to 2022.

19-20 October

Aim and content

Every two years, CEMLA organises the Meeting of Central Bank Treasurers under the auspices of a central bank that is a member of the organisation. In 2021, the fifteenth edition of this event will be held and attended by the heads of the treasury departments of CEMLA associate and collaborating central banks and by representatives from invited institutions who perform tasks that are related to the subject matter of the meeting.

The meeting will cover: analysis of the trends in the use of cash, challenges to guaranteeing banknote quality and authenticity, methodologies used for analysing and selecting security features, available banknote substrates and technologies, and best practices for quality control of banknotes and coins, waste management and environmental footprint, among other topics.

The meeting aims to discuss ideas and concerns common to central bank treasury departments, and to help improve the professional skills of their staff, acting as a platform for the exchange of views, information and experience in the area of cash.

Professional profile of attendees

The meeting is intended for the heads of the treasury departments of CEMLA associate and collaborating central banks, who will be welcomed by the Directorate General Cash and Branches of the Banco de España.

Organisation and format

The meeting is organised by the Banco de España in collaboration with CEMLA. Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually.

The meeting is expected to run over two full afternoons, during which brief presentations will be made to foster the participation of attendees.

Although the meeting will mostly be held in Spanish, some guest participants from collaborating institutions and other institutions not members of CEMLA may give their presentations in English.

21-22 October

Aim and content

Every two years, CEMLA organises the Meeting of Experts on Action against Coin Counterfeiting under the auspices of a central bank that is a member of the organisation. It is held after the Meeting of Central Bank Treasurers. In 2021, the seventh edition of this event will be held, to be attended by representatives from CEMLA associate and collaborating central banks, experts from the law enforcement agencies responsible for combating coin counterfeiting, and other academic institutions and national bodies concerned with counterfeiting. The meeting will address issues such as counterfeit measurement and quality models, the most effective security features to combat coin and banknote counterfeiting, educational and communication campaigns targeted at retail businesses and the general public, and the threats posed by new technologies.

Professional profile of attendees

The meeting, centred on counterfeiting issues, will bring together the heads of counterfeit analysis centres and national anti-counterfeiting agencies (in our case, the Banco de España Monetary Offences Investigation Brigade or BIBE, by its Spanish abbreviation), and other specialists and professionals working in this field (judges and public prosecutors, tax authorities, customs departments, etc.).

Organisation and format

The meeting is organised by the Banco de España in collaboration with CEMLA. Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually.

The Meeting of Experts on Action against Coin Counterfeiting will run over two afternoons. This new format includes brief, uninterrupted, presentations, a questions and answers session and the opportunity for all attendees to participate. Although the meeting will mostly be held in Spanish, some guest participants from collaborating institutions and other institutions not members of CEMLA may give their presentations in English.

25-29 October

Aim and content

The aim of the course is to help enable participants to address the new challenges in financial stability analysis and monitoring, adopting an essentially analytical approach. This edition of the course will pay particular attention to the measures adopted internationally to tackle the crisis stemming from COVID-19, without forgetting structural matters pertaining to financial stability, namely: the international regulatory framework; the various analytical frameworks and tools used by supervisors; and the implementation of macroprudential policy.

Professional profile of attendees

It is aimed at professionals from central banks and banking regulators that are CEMLA or ASBA members, with experience in macroprudential supervision and in the monitoring and analysis of financial stability.

Organisation and format

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, we cannot hold face-to-face meetings at present and, as an extraordinary measure, the course will be delivered on-line this year.

The course is organised jointly by CEMLA and the Banco de España, and is intended to feature among the permanent annual array of training courses offered by both institutions.

The course will be held in morning or afternoon sessions, owing to the time difference. It will bring together experts and managers from the Banco de España's Directorate General Financial Stability, Regulation and Resolution, with a distinguished group of experts from CEMLA and from other international agencies.

Participation is by invitation only.

26-28 October

Description

In the framework of the Technical Assistance Programme for the Western Balkan countries, the Internal Audit Department of the Banco de España will participate in a seminar organised by the National Bank of Belgium, to be held in October 2021. Specifically, it will share its experiences in, and knowledge of, cybersecurity audits, SWIFT Customer Security Control Framework audits and TARGET2 and TARGET2 Securities (T2S) audits.

Delayed until 2022

Aim and content

The course will provide insight into how the Banco de España's Central Credit Register (CCR) works and how the Banco de España uses the data compiled to perform its functions as a central bank and as a data provider to the Eurosystem's AnaCredit database. It will specifically cover:

- a) Reporting agents' reporting requirements (details of exposure counterparties' instruments and data), data model, quality controls and internal data management.
- b) Access to and use of CCR data by internal users (banking supervision, financial stability, macroprudential policy, monetary policy, statistics) and external users.
- c) The Banco de España's contribution to the Eurosystem's credit database (AnaCredit) and the main database characteristics.
- d) The Banco de España's experience in the transition from an aggregate data-based credit risk reporting system to a granular data-based system.

Professional profile of attendees

The course is aimed at experts from central banks and *superintendencias bancarias* (regulatory authorities and supervisory agencies) responsible for defining and designing credit risk reporting requirements. It may also be useful for potential users of credit risk data, with experience in the fields of financial stability, banking supervision, monetary policy, etc.

Organisation and format

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the meeting will be held virtually and in Spanish.

The technical meeting is organised by the Banco de España.

There will be expert speakers from the Banco de España's Directorate General Financial Stability, Regulation and Resolution, as well as other internal CCR data users.

Participation is by invitation only.

22-26 November

Aim and content

The aim of the course is for participants to broaden and gain in-depth knowledge of the design, operation, regulation and oversight of financial market infrastructures, by means of presentations and debates on various topical issues of interest in this field, such as innovation in payments, the new payment and market infrastructure scenario.

Professional profile of attendees

The course is aimed at professionals from central banks and securities regulators in Latin America and the Caribbean. It targets middle and high-ranking officials who are interested in sharing their experience and finding out about the latest developments regarding the role of central banks in financial market infrastructures as operators and supervisors, analytical tools for designing payment and market infrastructures, using network analysis and asset pricing techniques.

Organisation and format

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, we cannot hold face-to-face meetings at present, and as an extraordinary measure, the course will be held virtually this year.

The meeting is organised by CEMLA and the Banco de España. The course will be held in morning or afternoon sessions, owing to the time difference, and will bring together experts and managers from the Banco de España's Directorate General Operations, Markets and Payment Systems and from other participating institutions, who will discuss the aforementioned issues and any other topical subjects deemed of interest.

Participation is by invitation only.

22-26 November

Aim and content

This 18th International Seminar on Central Banking seeks to bring together a diverse group of central bank professionals to share experiences, thoughts and discussions on the function of central banks in today's world. It also helps strengthen institutional ties and encourages networking for the exchange of expertise and best practice.

Each Seminar has addressed a broad range of topics relating to the functions and activity of central banks and the challenges they face in the 21st century. In particular, the contribution they make to price stability and financial stability, especially in the framework of a monetary union and a transnational supervisory mechanism. The subjects to be discussed on this occasion will include developments and main trends at central banks, their main monetary policy and financial stability functions, their banknote and coin circulation functions, their payment systems, their internal and external communication, their legal status and governance models, the organisation of their support functions and, given their current relevance, specific aspects of the creation of the European System of Central Banks (ESCB) and its distinctive governance and organisation model.

The Seminars have also addressed new and topical questions such as financial industry digitalisation, financial education, sustainable finance, how climate change affects the financial industry and historical-artistic heritage management and conservation.

Over the years we have observed how debates and discussions between seminar participants and speakers almost always steer the sessions towards the topics that are of most interest. And here lies the key to both the importance and the potential of international cooperation.

Professional profile of attendees

The Seminar is aimed at central bank and financial sector supervisory and regulatory professionals with at least three years' experience, high professional development potential and the ability to present their own views and take active part in the seminar discussions.

Organisation and format

Given the current situation resulting from the global spread of COVID-19, both our internal guidelines and government recommendations advise that no international meetings be held unless it is absolutely essential. In consequence, this year, and as an extraordinary measure, the seminar will be held virtually and in Spanish.

The seminar is organised by the Banco de España and will be held in half-day sessions owing to the time difference. Experts and high-level officials from all the Banco de España's Directorates General and other participating institutions will address the topics proposed and agreed in advance.

Participation is by invitation only.

29 November-1 December

Description

Course on the latest developments in information and communication technology (ICT), its use in the financial industry, and the related risks and opportunities.

Aim and content

To improve understanding of the technology-related risks and how they can be controlled, with special emphasis on cyber security. To offer an overview of the existing regulations and those under development by international bodies as well as good IT risk practices in relation to technological risk.

Content:

- Basic aspects: information and communication technology management, technological strategy and technological risk control.
- Risk management and technological risk security management.
- IT data quality management, continuity management and outsourcing management.
- Regulation and good practice in relation to banks' technological risk.
- Cyber security and resilience. Certain types of attacks. Cyber security tests. Supervisory challenges. Information exchange.
- Fintech, big data, machine learning and artificial intelligence, DLT and biometrics. Applications in the financial industry. Risks and opportunities.

Professional profile of attendees

Banking supervision inspectors and junior analysts.

Organisation, duration and format

The seminar is organised jointly by the Banco de España and ASBA. It will be held in Spanish and will be run by Banco de España expert trainers.

The seminar will be held virtually over three days in morning sessions.

Participation is by invitation only from ASBA.

