INEGI

11th SDMX EXPERTS MEETING

DAY 2

PROGRAM NOV 29th, 2022

9:00-9:15 **Arrival of participants**

9:15-10:45 **TOPIC 3: DATA MODELING**

Coordinators: **Anastassia Samsonova**, Technical Business Analyst (OECD) & **Zlatina Hofmeister**, Team Lead Economist Statistician (ECB)

Description:

In this session speakers will share their experience and lessons learned about the SDMX data modeling for exchange and dissemination, talk about the best practices, working solutions and encountered challenges as well as reflect on how further harmonization and adoption of SDMX 3.0 standard could improve the situation.

Topics covered in the session will include but not limited to: modeling of multi-sourced data, reference metadata, global DSDs, units of measure, design of logical data models.

Introduction Topic 3: (2 min)

Coordinators: **Anastassia Samsonova**, Technical Business Analyst (OECD) & **Zlatina Hofmeister**, Team Lead Economist Statistician (ECB)

Data Modeling Challenges and Resolutions in the Context of the Global SDG Data Structure Definition (20 min + 10 Q&A)

Abdulla Gozalov, Statistician (UNSD) & **Harumi Shibata Salazar**, Statistician (UNSD)

Units of measure modeling and standardization of units of measure representation (20 min + 10 Q&A)

Anastassia Samsonova, Technical Business Analyst (OECD) & **Stéphane Crête**, Manager for the Center for Statistical and Data Standards (STATCAN)

Reference metadata modelling, migration and transformation using the Global Metadata Concept Scheme (20 min + 10 Q&A)

David Barraclough, Smart Data Practices Manager (OECD) and Chair of the SDMX SWG

10:45-11:00 **BREAK**

11:00-12:30 **CONTINUE TOPIC 3: DATA MODELING**

Modelling multi-sourced data and metadata for a Labour Market Information System (20 min + 10 Q&A)

Edgardo Greising, TWG Chair, Head of Knowledge Management Solutions Unit – STATISTICS -ILO & **Shutong Ding**, Statistical Knowledge Management Officer (ILO)

Logical Data Models and Entity Relationship Models with SDMX 3.0 (20 min + 10 Q&A)

Daniel Suranyi, Lead Data Architect (ECB)

Discussion and conclusion remarks: (30 min)

Coordinators: Anastassia Samsonova, Technical Business Analyst (OECD) & **Zlatina Hofmeister**, Team Lead Economist Statistician (ECB)

12:30-14:00 **LUNCH**

14:00-15:35 **TOPIC 4: MICRODATA, BIG DATA, ADMINISTRATIVE REGISTERS MANAGEMENT**

Coordinators: Almir Delic, Data Science Expert (ECB) & **Stratos Nikoloutsos**, Principal Software Engineer (BIS)

Description:

The session will be addressing how SDMX is being used for the integration, exchange, processing, analysis and dissemination of statistical data and metadata coming from sources different to the aggregated indicators like microdata, big data and administrative registers, and the related challenges.

Introduction Topic 4: (5 min)

Coordinators: Almir Delic, Data Science Expert (ECB) & **Stratos Nikoloutsos**, Principal Software Engineer (BIS)

Metadata for European Microdata (20 min + 10 Q&A)

Maarja Jämsa, Statistical Officer - SDMX implementation (EUROSTAT)

SDMX and Big Data technologies – performance (30 min + 10 Q&A)

Almir Delic, Data Science Expert (ECB)

MEDAL – An SDMX metadata-driven data integration system (progress report) (10 min + 10 Q&A)

Stratos Nikoloutsos, Principal Software Engineer (BIS)

15:35-15:50 **BREAK**

15:50-17:20

CONTINUE TOPIC 4: MICRODATA, BIG DATA, ADMINISTRATIVE REGISTERS MANAGEMENT

SDMX granular data collection platform for the Bank of Lithuania (for the purposes of near-time credit register) (30 min + 10 Q&A)

Jan-Hendrik Hühne, Head of Professional Services (SupTech), Regnology Group

Questions and Discussion with the Meeting participants (40 min)

Coordinators: **Almir Delic**, Data Science Expert (ECB) & **Stratos Nikoloutsos**, Principal Software Engineer (BIS)

Conclusion: (10 min)

Coordinators: **Almir Delic**, Data Science Expert (ECB) & **Stratos Nikoloutsos**, Principal Software Engineer (BIS)