Turkish Court of Accounts

Activity: 4th Meeting of INTOSAI Working Group on Big Data (WGBD)

Date: 24.09.2020

Place: Virtual Meeting

Participant Countries and Organizations: Argentina, Austria, Bangladesh, Belgium, Bhutan, Brazil, China, Denmark, Ecuador, Estonia, Finland, Fiji, France, Georgia, Kuwait, India, Indonesia, Mexico, Netherlands, New Zealand, Norway, Pakistan, Peru, Philippines, Portugal, Republic of Korea, Russian Federation, Senegal, Thailand, Turkey, Ukraine, United Kingdom, USA, Vietnam, AFROSAI-E and ECA.

Participant(s): Pınar AVUNDUKLUOĞLU (Principal Auditor – Data Analysis Group), Mehmet BALİOĞLU (Principal Auditor – International Relations Group)

Summary: The Working Group on Big Data is a specialized working group approved by INTOSAI under Strategic Goal Three: *"Knowledge Sharing and Services"*. Its goals are to identify the challenges and opportunities that SAIs are facing in the era of big data to provide recommendations to SAIs; to summarize the know-how, experience and good practices in the field of big data audit and develop guidelines and research reports, to share knowledge and help SAIs boost relevant capacities; and to strengthen bilateral, regional and INTOSAI-wide cooperation among SAIs in big data audit.

The 4th Meeting of INTOSAI WGBD was held virtually on 24 September 2020 and was hosted by the National Audit Office of China, the Chair of INTOSAI WGBD. The theme of the meeting was *"Audit Technology Innovation"*.

The virtual meeting was attended by above 100 participants with 33 members, 3 observers.

The opening of the meeting was made by Mr. Hou Kai, Auditor General of National Audit Office of China, Chair of INTOSAI WGBD. Then a video by Mr. Gene Dodaro, Comptroller General of the United States, Vice Chair of INTOSAI WGBD was presented.

Afterwards, these following presentations were made:

- Working report by the Working Group Secretariat presented by SAI China,

- Progress report on the project "Big Data Audit Technology" presented by SAI Indonesia,

- Progress report on the project "Guidance on Conducting Audit Activities with Data Analytics" presented by SAI China,

- Report of GAO's Innovation Lab: Sailing or Flailing? Driving Audit Innovations in the Digital World presented by SAI USA,

- Data analysis at the Austrian Court of Audit presented by SAI Austria,

- Tech, data, and new audit skills on Covid-19 related purchases presented by SAI Brazil,

- Application of Random forest algorithm in big data audit presented by SAI China,

- Challenges using big data analysis in Estonia - the case in a SAI and in a society presented by SAI Estonia,

- Island Nation with challenges in data analytics perspective presented by SAI Fiji,

- Massive data processing and ethics: A feedback from the French Court of accounts presented by SAI France,

- "Machine learning" applied to audit a labor and productive inclusion program presented by SAI Mexico,

- Big data and database inter-operability among SAI for Fighting against Transnational Corruption presented by SAI Peru,

- The role of big data in the SAI Philippines' audit functions presented by SAI Philippines,

- Sharing knowledge and experience of SAI Thailand presented by SAI Thailand,

- The SAI of Ukraine challenges in context of Big Data presented by SAI Ukraine.

Following these presentations, round table discussion on big data analysis during the COVID-19 pandemic was made. Finally, the closing of the meeting was made by SAI China.

Photo(s):