

## 3rd Annual Spectrum Management Conference



3rd Annual CIS & CEE Spectrum Management Conference took place in Minsk from 8 to 9 April at the invitation of the Ministry of Communication and Informatization of the Republic of Belarus and was organized by Forum Global and ITU (Regional Office for CIS and Radiocommunication Bureau of the ITU-R).

The conference was attended by over 200 participants from Communication Administrations, regulators, operators, vendors, research and development institutions and private sector from 30 countries and also ITU Radiocommunication Bureau, ITU Telecommunication Development Bureau (Regional Office for CIS) and RCC Executive Committee.

The conference was held in Russian and English.

The conference considered and discussed spectrum aspects of global ICT infrastructure for digital economy, including:

- efficient spectrum usage and further development of terrestrial and satellite radiocommunication in light of WRC-19 preparation;
- activities of the ITU Radio Regulation Board dedicated to regulation and usage of radiocommunication systems;

- activities of the ITU Radiocommunication Bureau dedicated to ensuring interference free communication;
- ITU standards and their application in broadband digital radio systems of different services, including issues of harmonization;
- use cases of spectrum usage at national, regional and global levels;
- spectrum for perspective radiocommunication systems and technologies (5G, IMT-2020, high-throughput satellite systems, intelligent transport systems, Internet of Things etc.);
- 5G rollout approaches taking into account regional specifics;
- spectrum for systems and radio technologies of future smart cities;
- spectrum usage by public security and emergency systems;
- new technologies of radiocommunication systems control;
- approaches, indicators and criteria to assess efficiency of spectrum usage;
- studies on how emission associated with 5G rollout influences humans;
- ITU-R outcomes related to WRC preparation (WRC-19 CPM Report).

## CONCLUSIONS

The conference participants noted:

1. complex approach used to discuss considered issues with involvement of wide range of experts;
2. high scientific and technical level and practical value of presentations and discussions;
3. that spectrum provision is one of key aspects of ICT infrastructure for digital economy and contributes to the implementation of the UN Sustainable Development Goals;
4. when implementing new technologies and systems one needs to consider protection of existing systems;
5. need to implement radio technologies that enable development of 5G/IMT-2020, IoT/M2M and ITS, taking into account the need to harmonize spectrum and ensure cross-border coordination;
6. that harmonious development of new radio technologies is only possible when there is balance of interests between ensuring required quality of digital services provided to citizens and economic efficiency;
7. need to continue to develop methods and criteria of integral assessment of efficiency of spectrum usage;
8. that it is reasonable and practically valuable to organize conferences and other events dedicated to usage of spectrum and satellite orbits by radiocommunication systems;
9. that this conference was relevant and timely, and its outcomes can be used by expert in their professional activities, including preparation to WRC and other ITU forums.

Conference participants expressed sincere gratitude to the Ministry of Communication and Informatization of the Republic of Belarus, ITU and Forum Global for having excellently prepared, organized and conducted the conference.