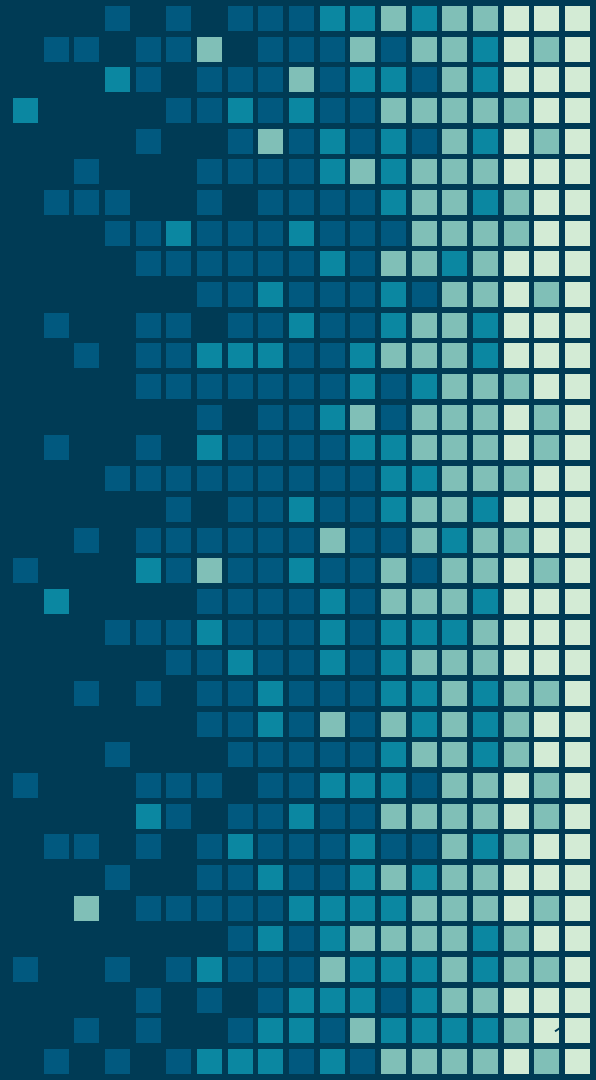


International Telecommunication Union



Dorian Moulinié
Tehema Teiti
Michael Negatu





Summary

- History of ITU
- Objectives & Realizations
- A link to 5G



One of the oldest intergovernmental organizations

- Created in 1865, in Paris, at the International Telegraph Convention
- Became a specialized agency of the United Nations in 1947



Main missions

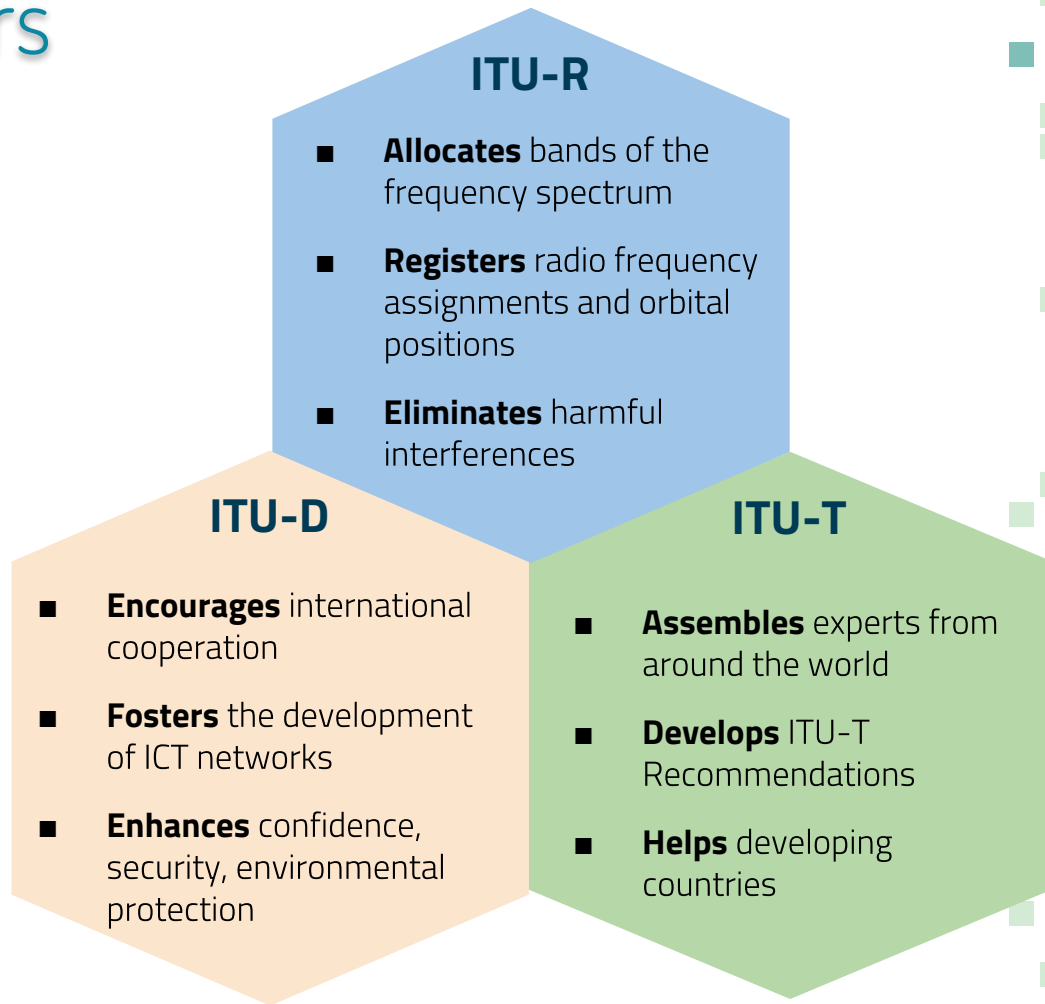
- **Allocates** global radio spectrum and satellite orbits
- **Develops** technical standards
- **Strives** to improve access to ICTs in the world



ITU's sectors

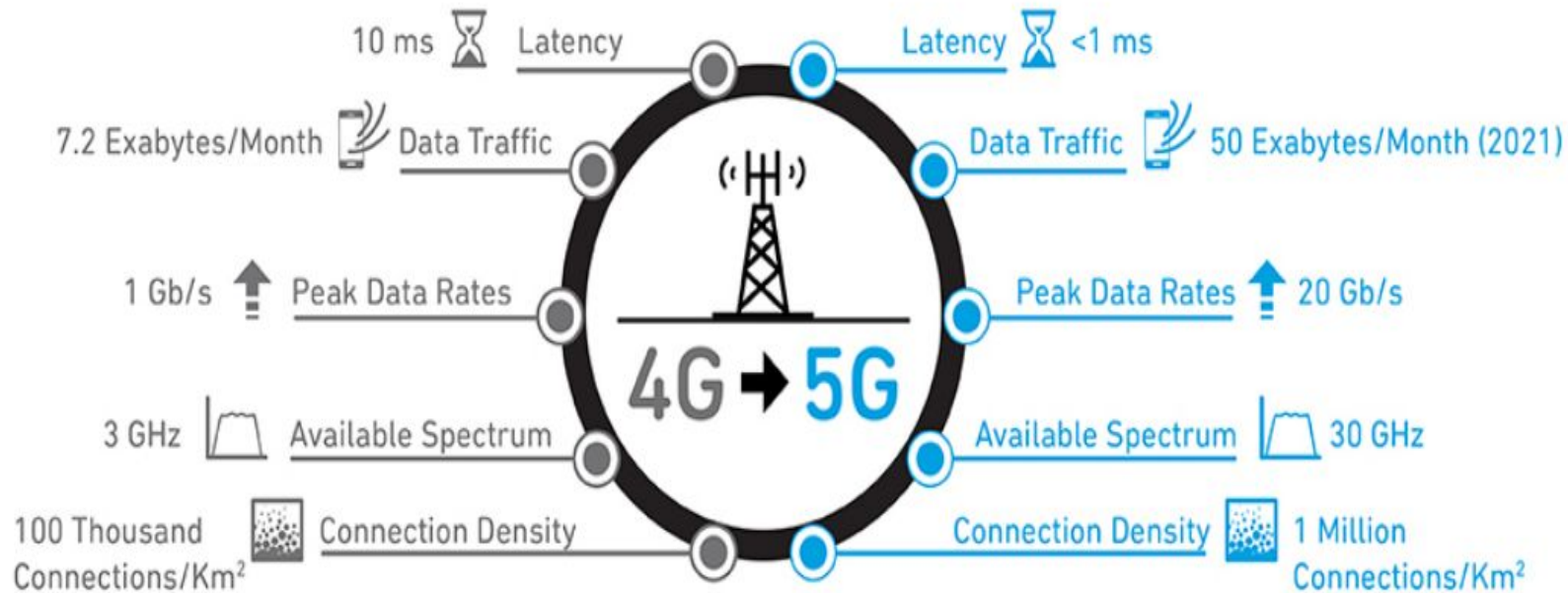
Divided into 3 sectors :

- **ITU-R** : Radiocommunication
- **ITU-D** : Development
- **ITU-T** : Telecommunication standardization



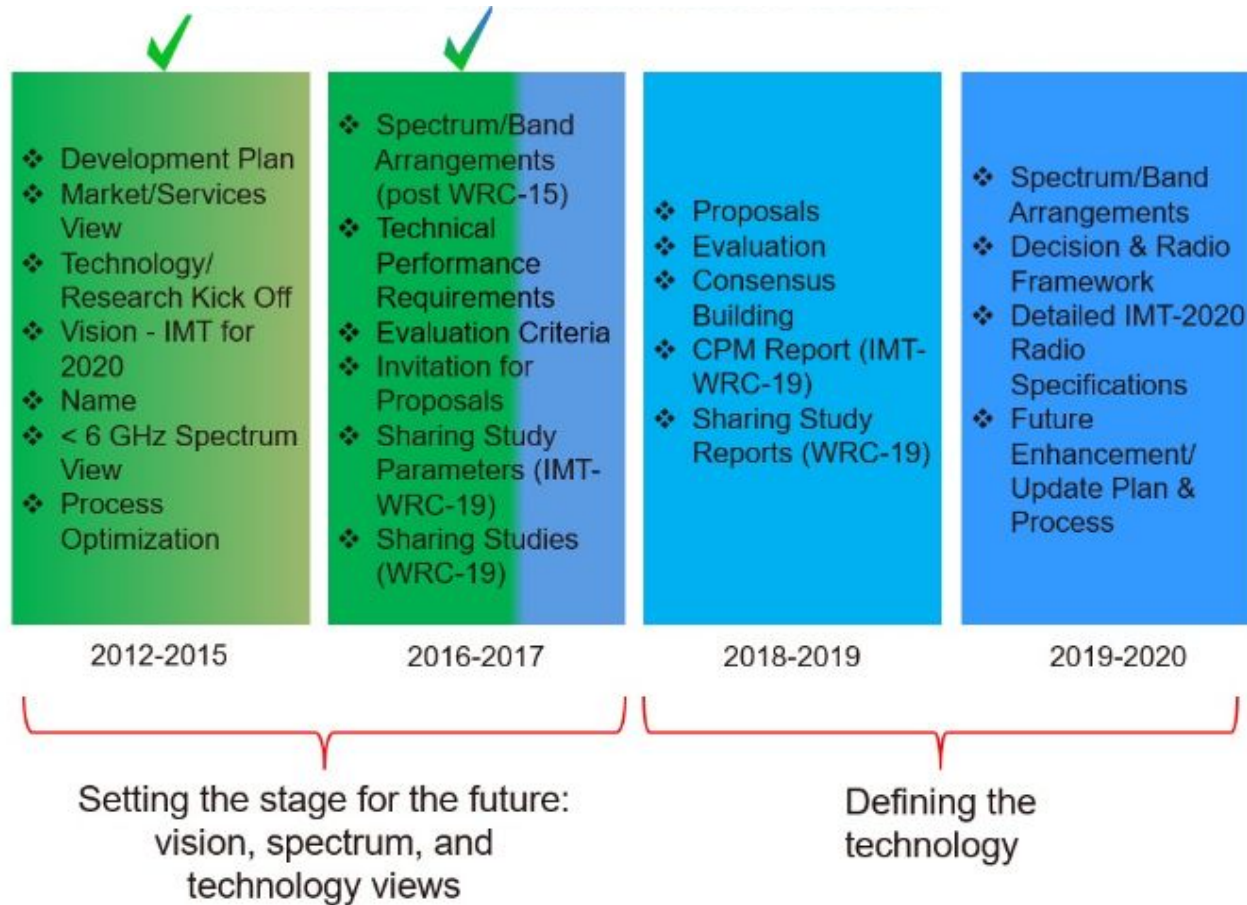


ITU and 5G



ITU plays a key role in the development and adoption of the global regulations and standards.

IMT for 2020 and beyond

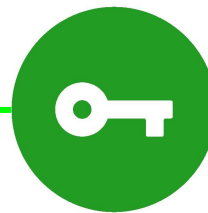


Socio economic implications of 5G



Problems

- High-levels of investment needed to deploy 5G networks
- Danger of increasing digital divide
- 5G networks will generate electromagnetic fields.



Solutions

- Grants, or PPPs to stimulate investment in 5G networks.
- Use of sub-1 GHz frequency spectrum
- Collaboration with WHO to provide guidance and national regulations



Conclusion

ITU Telecom World Sept 2019, Budapest, Hungary

