Frontier technologies are new and rapidly developing technologies that take advantage of digitalization and connectivity. This report covers 11 of these technologies:

- Artificial Intelligence (AI)
- The Internet of Things (IoT)
- Big Data
- Blockchain
- 5G
- 3D printing
- Robotics
- Drones
- Gene Editing
- Nanotechnology
- Solar Photovoltaic (Solar PV)

Artificial Intelligence (AI), The Internet of Things (IoT), Big Data, Blockchain, 5G, 3D printing, Robotics, Drones, Gene Editing, Nanotechnology, and Solar Photovoltaic (Solar PV) are some of the frontier technologies that are rapidly developing. Many of the major providers of frontier technologies are from the United States and China. The countries best prepared to equitably use, adopt and adapt these technologies are the United States, Switzerland, the United Kingdom, Sweden, Singapore, the Netherlands and the Republic of Korea.

Developing countries need to work towards universal internet access and ensure that all their citizens have opportunities to learn the skills to be more ready for frontier technologies.

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In general, the economies most ready are in Northern America and Europe while those least ready are in sub-Saharan Africa, and in the developing economies.