GLOBAL DIGITAL COOPERATION AND THE SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY
Digital IDs linked with bank or mobile money accounts can improve the delivery of social protection coverage and serve to better reach eligible beneficiaries. Digital technologies may help to reduce leakage, errors and costs in the design of social protection programmes.

2 ZERO HUNGER
Drone technology can monitor crops and provide information on how much water is needed. Software systems available through mobile apps can monitor and analyse data to help farmers to decide when to plant, fertilize, irrigate and harvest their crops.

3 GOOD HEALTH AND WELL-BEING
Novel platform-based vaccine technologies and smart vaccine manufacturing techniques help to produce greater numbers of higher-quality vaccines. Open-source platforms can help accelerate and scale up vaccine delivery.

4 QUALITY EDUCATION
Accessible and affordable connectivity allows young people to use open, free and high-quality digital skills and training platforms. Smart digital platforms can be made accessible in local languages and used to align curricula with internationally recognized standards and certification.

5 GENDER EQUALITY
Connectivity enables women and girls to access information and communicate for their safety and development. It can allow girls to access support services, learn about sexual and reproductive health and express their voices.

6 CLEAN WATER AND SANITATION
Internet of things-based precision irrigation and leakage management systems enable the monitoring and management of water resources. In urban areas, artificial intelligence systems draw upon data such as rain forecasts and the number of rooftops to determine rainfall run-off.

7 AFFORDABLE AND CLEAN ENERGY
Next-generation digital networks have lower energy consumption, and smart grids can support electrification and more affordable connectivity. Artificial intelligence technology can be used for predictive maintenance of electrical utilities, enabling automatic backups and limiting downtime.

8 DECENT WORK AND ECONOMIC GROWTH
Internet availability leads to more jobs. Labour force participation and wage employment increase in areas with Internet availability. Use of local-language videos and decision support applications on smartphones supports personalized advice resulting in better jobs.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
Mobile digital technologies are enabling high-quality communications infrastructure and networks to expand into underserved remote and rural areas. Data and artificial intelligence technologies can accelerate innovation and productivity in key sectors such as agriculture and manufacturing.

10 REDUCED INEQUALITIES
Digital public goods and applications such as mobile money are enabling access to financial and other services for all members of societies, including women and girls, rural communities and displaced people.

11 SUSTAINABLE CITIES AND COMMUNITIES
Intelligent systems deploy information from remote sensors to guide traffic signals and maximize the efficient flow of commuters in urban areas. They can be used to design safe transportation for vulnerable and underserved communities.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Digital technologies such as 3D printing, the Internet of things, big data, cloud computing and blockchain can support a circular economy and supply chain resilience, in particular in manufacturing industries.

13 CLIMATE ACTION
Information and communications technology solutions can help to cut nearly 10 times more carbon dioxide than they emit. Digital technologies combined with ecological design can help to reduce natural resources and other materials used in products by up to 90 per cent, lessening the impact of material extraction.

14 LIFE BELOW WATER
Satellite imaging and machine learning can help find and collect the 5 trillion pieces of ocean plastic trash. Online portals and mobile-based tools can connect the plastics supply chain, track the flow of waste materials, and help create transparent digital marketplaces for plastic waste.

15 LIFE ON LAND
Sensors and monitors connected to the Internet of things, cloud-based data platforms, blockchain-enabled tracking systems and digital product passports unlock new capabilities for the measurement and tracking of environmental and social impacts across value chains.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS
Public technologies and e-government services, where well designed and applied, enable people to access public services, reduce waste and corruption and create data that allow public institutions to target needs more effectively.

17 PARTNERSHIPS FOR THE GOALS
Partnerships between States, private sector and civil society leverage the capacity of digital tools to provide solutions for development across the Sustainable Development Goals. Examples include the Digital Public Infrastructure Alliance, the Coalition for Digital Environmental Sustainability and public-private partnerships for disaster response.