Digital & 17 Sustainable Development Goals (SDGs)

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European Commission

11 SDGs have positive link with digital

Examples of SDGs with strongest positive links:

- **SDG 9 - Infrastructure, industry and innovation**
- **SDG 8 - Decent work and economic growth**
- **SDG 3 - Health and well-being**

5 SDGs with unclear link: e.g. SDG 13 - Climate action

1 SDG with negative link: SDG 12 - Responsible consumption and production

- **ICT has significant environmental impacts, more emissions than aviation (before crisis)**

- **E-waste = material inefficiency, non-circularity of devices: strongest negative link**

- **Progress is needed on energy and material efficiency (durability, reparability, recyclability)**

Digital Access Index (https://digitalaccessindex-sdg.gesi.org/)

The European Green Deal

European Digital Strategy – 19.2.2020

- A circular electronics initiative
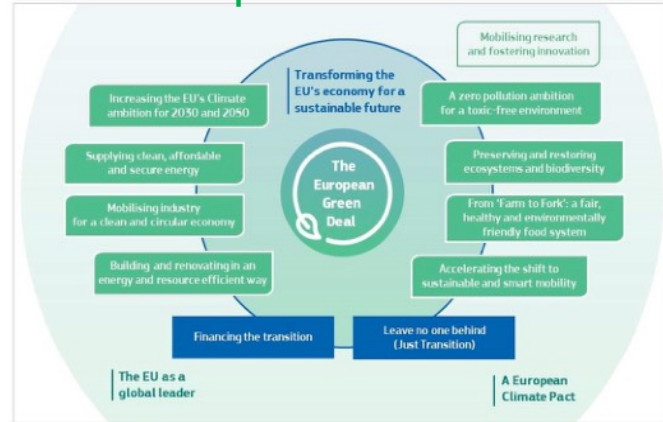- Sustainable data centres by no later than 2030

A European Strategy on Data -19.2.2020

- A Common European Green Deal data space
- EU data space for smart circular applications

Circular Economy Action Plan – 11.3.2020

- Regulatory measures for mobiles, tablets, laptops, printers and consumables chargers
- 'right to repair', including a right to update obsolete software
- EU-wide take back scheme to return or sell back old mobile phones, tablets, chargers

Engagement of Authorities (international, national, regional, local)

- Mandate the use of **Green Public Procurement** for datacenters, desktops, screens, etc

- Invest in Green (clean) digital technologies – e.g. energy lean blockchain

- Support multi-stakeholder forum – e.g. *Green Internet Governance*

Engagement of ICT companies

- To become climate neutral (2030) and their pledges to be assessed and monitored

- To invest in solutions contributing to sustainability goals of other sectors

Engagement of individuals and communities (including virtual communities)

- Buy and use responsibly with digital products and services

- Contribute to 'digital for sustainability' initiatives – citizen's science

Precision farming is delivers benefits already, but producers of pesticides and fertilisers are still <u>quantity based driven</u>.

New business model: protection of crop services enabled by IoT, Satellite services images, GPS, drones, robotics.

Chemical companies can increase profits by minimising the use of pesticides and fertilisers to only if/when needed

Janez Potocnik