



United Nations
Economic Commission for Africa

TECHNOLOGICAL OPPORTUNITIES FOR A LOW-CARBON WORLD

Dr. Mactar Seck
Chief of Technology and Innovation Section



May 2023

How can Africa Leveraging Technology for JUST Energy Transformation?

- **Data-driven Policies and Monitoring:** Digital technologies make it possible to collect, analyze, and apply data for evidence-based policymaking..
- **Access to Information:** Digital technology may make knowledge about green technologies, renewable energy, sustainable practices, and climate change more widely available.
- **E-commerce and Market Access:** Digital platforms can help small-scale green enterprises and entrepreneurs in Africa gain market access.
- **Raising awareness and education:** Investing in green transition skills development and education is critical to ensuring JUST green transformation.
- **Cross-border interaction:** Green entrepreneurs can use digital technology to connect with other green entrepreneurs, investors, and clients in their home countries and overseas.
- **Collaboration and Information Sharing:** Digital platforms may promote collaboration and information sharing among African countries as well as between African countries and foreign partners.

How can Africa attain low carbon emissions while implementing the African Digital Transformation Strategy 2020-2030

- **Invest in Circular Economy:** Incorporate circular economy ideas into the design and manufacture of digital devices and equipment
- **Invest in the use of Renewable Energy:** Encourage the use of renewable energy sources to power digital infrastructure and services.
- **Energy Efficiency:** Incorporate energy-saving strategies into the design, implementation, and operation of digital devices.
- **Green Data Centers:** Promote the development of green data centers that use energy-efficient technologies and renewable energy sources.
- **Virtualization and Cloud Computing:** Encourage the use of virtualization and cloud computing technologies, which allow for resource optimization, increased energy efficiency, and decreased hardware needs.
- **Awareness and Education:** Raise awareness among individuals, corporations, and governments about the carbon footprint of digital technology.

JUST Green Platform



**LEVERAGING
DIGITAL
PLATFORMS TO
ACCELERATE
GREEN
INNOVATIONS
FOR A JUST
TRANSITION**



Enabling an Inclusive Transition with Digital Technologies

Enabled learning, empowered billions worldwide with access to education, financial services, and agricultural extension services

However, the power of digital technologies has not been harnessed to provide similar support services to green entrepreneurs

Connect green entrepreneurs and relevant stakeholders with a digital platform to create a learning community around digital solutions and climate actions to support green businesses and provide evidence to enable climate and green policy decisions.



<https://justis.africa/home>



THANK YOU!

Ideas
to
Action