

TECHNOLOGY, CLIMATE CHANGE AND ENVIRONMENTAL --- JUSTICE



APC
ASSOCIATION FOR
PROGRESSIVE
COMMUNICATIONS

What are the twin
transitions?

The twin transitions

- Green and Digital => The ecological and digital transitions will affect every part of economy, society and industry
- Tech can help to tackle a key challenge of our time: climate change
 - Intergovernmental Panel on Climate Change (IPCC) confirmed that Africa is warming faster than the rest of the world and, if unabated, climate change will continue to have adverse impacts on African economies and societies, and hamper growth and wellbeing (Africa Climate Summit)
- How to promote digital transformation in a manner that enables speed and scale in delivering the SDGs?
- While recognizing that tech also has a carbon footprint and may cause environmental damage?

Key issues in our research and network

- Techno solutionism
- Data for environmental justice
 - More data / better data: harmonization, open data, ethical standards, citizen data
- Global governance models
 - Public good? Commons? Human right?
 - What can we learn from environmental governance? Commonalities and lessons learned
- Impact of the digital sector
 - Better mapping and measurement of impact – whole value chain
 - from mining for the production of devices to their disposal
 - Continue to work on responses:
 - Due diligence and impact assessments (critical approach)
 - Circular economy – address the demand for raw material, energy consumption and e-waste production (reuse, repurpose, recycle)
- Disconnect between environmental and digital policy spheres, movements, research
- Tech facilitated violence against environmental defenders
- Information about climate change – dis and misinformation

Have these issues come up in your work?
Any examples to share?

Some global discussions & their recommendations:

- IGF
 - PNE report – recommendations:
 - Environmental data – standardization, access and cooperation to digitise environmental info
 - Tech for smart food and water systems
 - Supply chain transparency and circularity
 - Inclusive governance processes, evidence based decision making, innovative approaches to governance
- GDC
 - CODES coalition (Kenya founding member) submission – 3 principles:
 - Enable alignment to sustainable development (World Commission on Sustainability in the Digital Age, Clearing House for Digital Sustainability Standards, digital sustainability literacy)
 - Mitigate harm with sustainable digitalization (emissions reporting, digital product passports, sustainable procurement and green infrastructure))
 - Innovate with purpose (innovations hubs, environmental data as digital public good, financing mechanisms)
- Africa Climate Summit (ACS)
 - Final declaration
 - Technological support for climate change adaptation
 - Strengthening early warning systems and climate information services to protect lives, livelihoods and assets and inform long-term decision-making related to climate change risks.
 - Access to and transfer of environmentally sound technologies, including technologies that consist of processes and innovation methods to support Africa's green industrialization and transition

=> *expand the approach? ICT for Sustainable Development v. Sustainable ICTs*