CCICED

Digitalization and Green Technologies for Sustainable Development:

Digital-green dual transformation and sustainable development of cities
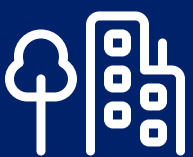
We focused on

- exploring theories and mechanisms that drive the dual digital and green transformation with the aim to promote urban sustainable development, and
- analyzing cutting-edge practices and experiences of the digital and green transformation in cities across the world.

We found

- Sustainable urban development is based on building digital capabilities and using it for coordinating economic, social, and ecological development.
- Digital and green technological innovation is the fundamental means for achieving sustainable urban development and should be allied with robust public policy for full impact.
- It's crucial for policy-makers to develop the digital and green transformation within urban industry development.
- A more realistic smart city index system for **promoting sustainable urban development** is needed.

We recommend

use the concept Sustainable Smart City to lead China's digital and green urban development,

promote a people-centred digital and green transformation, including incorporating sustainability considerations into digital solutions, improving data governance, and establish a comprehensive digital privacy and security framework,

develop innovative urban technologies and solutions to further integrate the digital and green transformation processes, and

mainstream digital and sustainable city planning to coordinate low-carbon economic development, biodiversity conservation, efficient transportation, and green buildings.