



Digital Public Infrastructure (DPI) for Green Transition

United Nations Development Programme

Physical vs. digital public infrastructure



Physical infrastructure



Roads, railroads, airports, energy, internet cables, cell towers, etc.

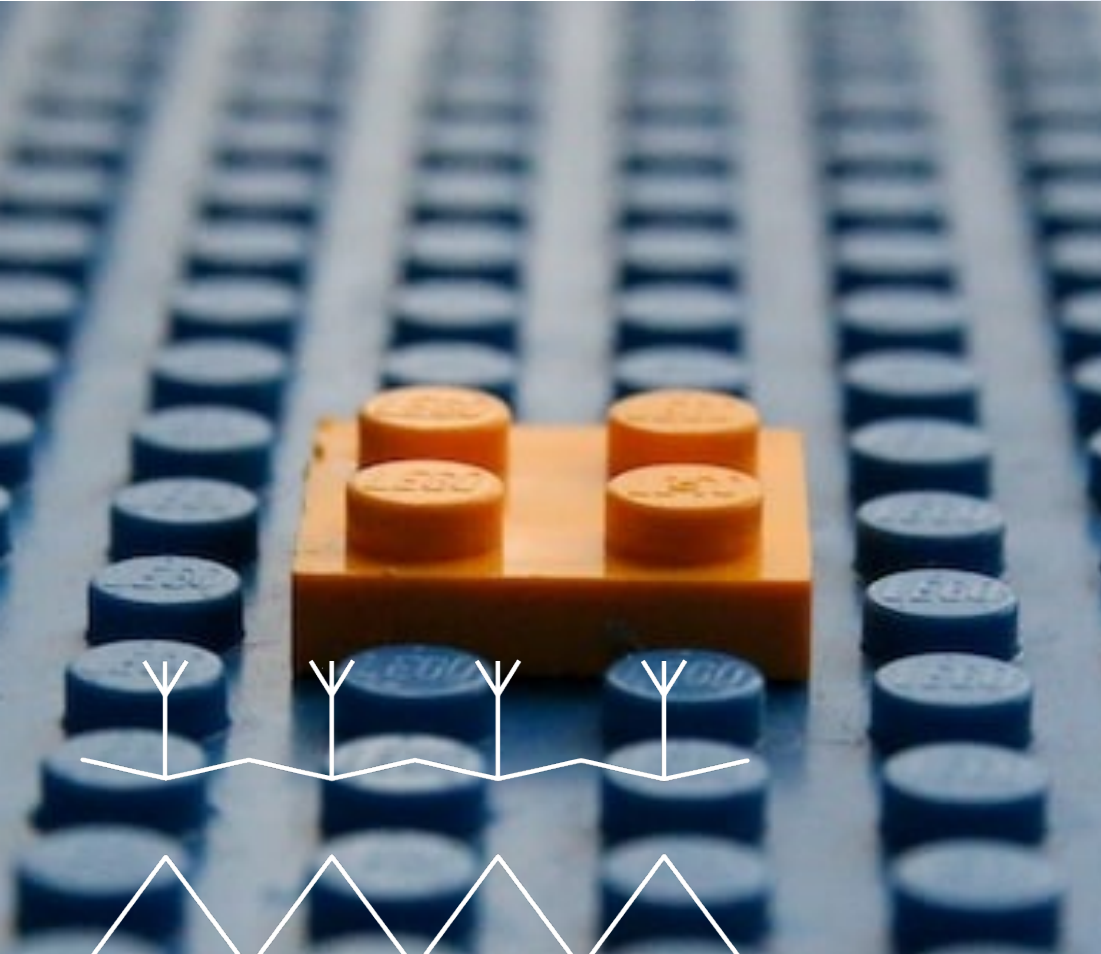


Digital public infrastructure



Interoperable and open technology standards and systems for identity, payments, health, education and beyond that can accelerate countries' inclusive digital transformation

DPI: infrastructure in a digital era



A set of **digital building blocks** which are

- **Interoperable**
- Driven by **open standards/specifications**
- **Enable access to public and private services** at societal scale
- **Governed by enabling rules** to drive innovation, inclusion, and competition.

- *G20 description*

Why DPI for Green Transition?



DPI can **scale and accelerate attainment of SDGs** (education, financial inclusion, health and green transition)

UNDP has strategic engagements on DPI across its' country network of **135 countries**.

Digital as an enabler to **rapidly accelerate action** to mitigate the Planetary Crises and reach global targets at scale

DPI enables **scale by design** – systemic, 10X speed – not as piecemeal solutions

Exploring DPI to Empower Local Communities



Local communities, e.g. farmers and indigenous communities are **custodians of nature**



Payment for Environmental Services (PES)- results-based cash payments to farmers and local communities in exchange for conserving or restoring ecosystem services



Foundational DPI can scale cash distribution at scale, while a new **'Green DPI'** layer may help monitor results

Exploring DPI to Enable Climate Action at Scale



Transparency data is key for planning, coordination, accessing and distributing affordable climate finance, and integrity in carbon markets



UNDP supports countries to develop national **climate transparency systems** in collaboration with partners



Opportunities for **'Green DPI'** to deliver and collect data on climate change to accelerate implementation of Nationally Determined Contribution

Future Proofing with DPI Safeguard Principles



Speed requires **guardrails**

Potential Green DPI Guardrails may include

- Energy efficiency standards
- Renewable energy use
- Circular economy principles
- Green data center practices
- Carbon footprint monitoring and transparency
- Sustainable procurement
- Lifecycle assessment / approach

*Read the **DPI Safeguards**
Interim Report and engage*

