



***The International Good Practice
Principles for Sustainable
Infrastructure***

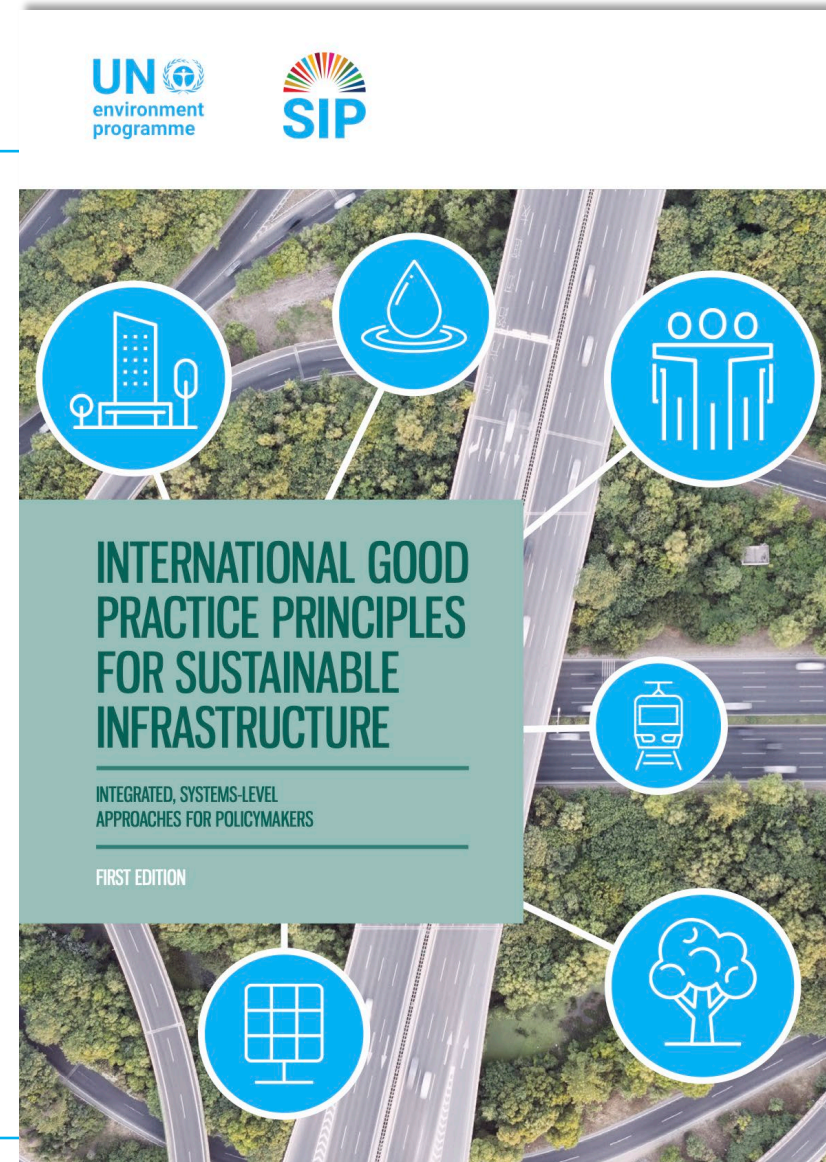
UN 
environment
programme

Rowan Palmer, 1 November 2023

Good Practice Principles

- 10 principles for policymakers
- Needs-based, systems-level, integrated approaches
- Emphasis on the enabling environment and “upstream” interventions

<https://wedocs.unep.org/bitstream/handle/20.500.11822/34853/GPSI.pdf>



Infrastructure Systems

Built Infrastructure



Natural Infrastructure

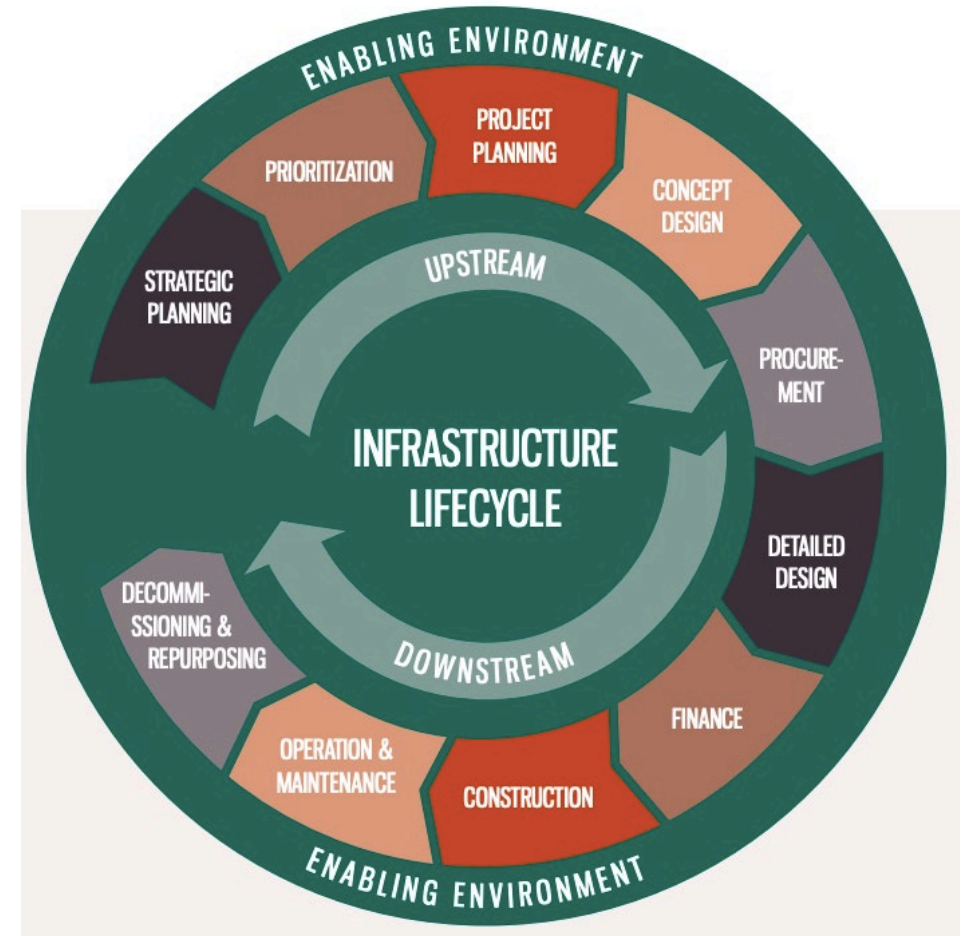


Hybrid Infrastructure



Sustainable Infrastructure

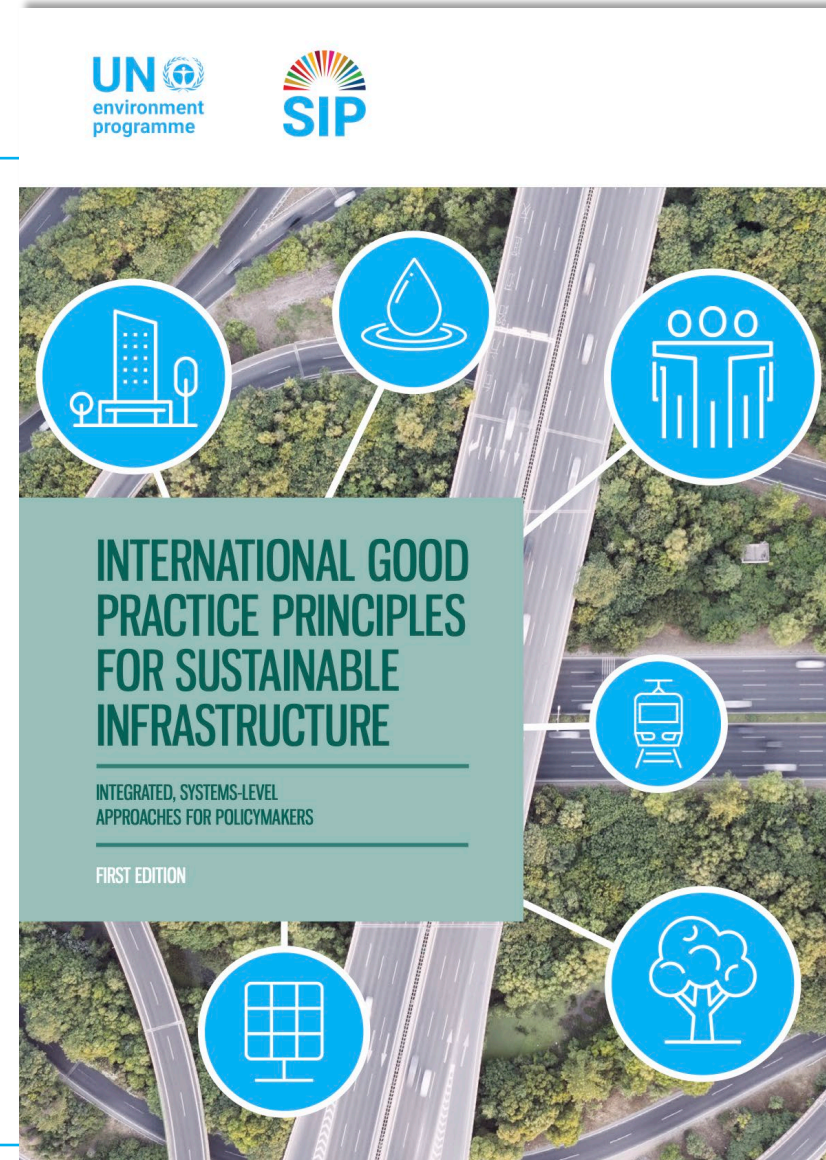
Sustainable infrastructure systems are those that are planned, designed, constructed, operated, and decommissioned in a manner to ensure economic and financial, social, environmental (including climate resilience), and institutional sustainability over the entire infrastructure lifecycle.



*This definition is adapted from the Inter-American Development Bank's definition of sustainable infrastructure in: Inter-American Development Bank (IDB). *What is Sustainable Infrastructure? A Framework to Guide Sustainability Across the Project Cycle*. (Washington, DC, IDB, 2018).

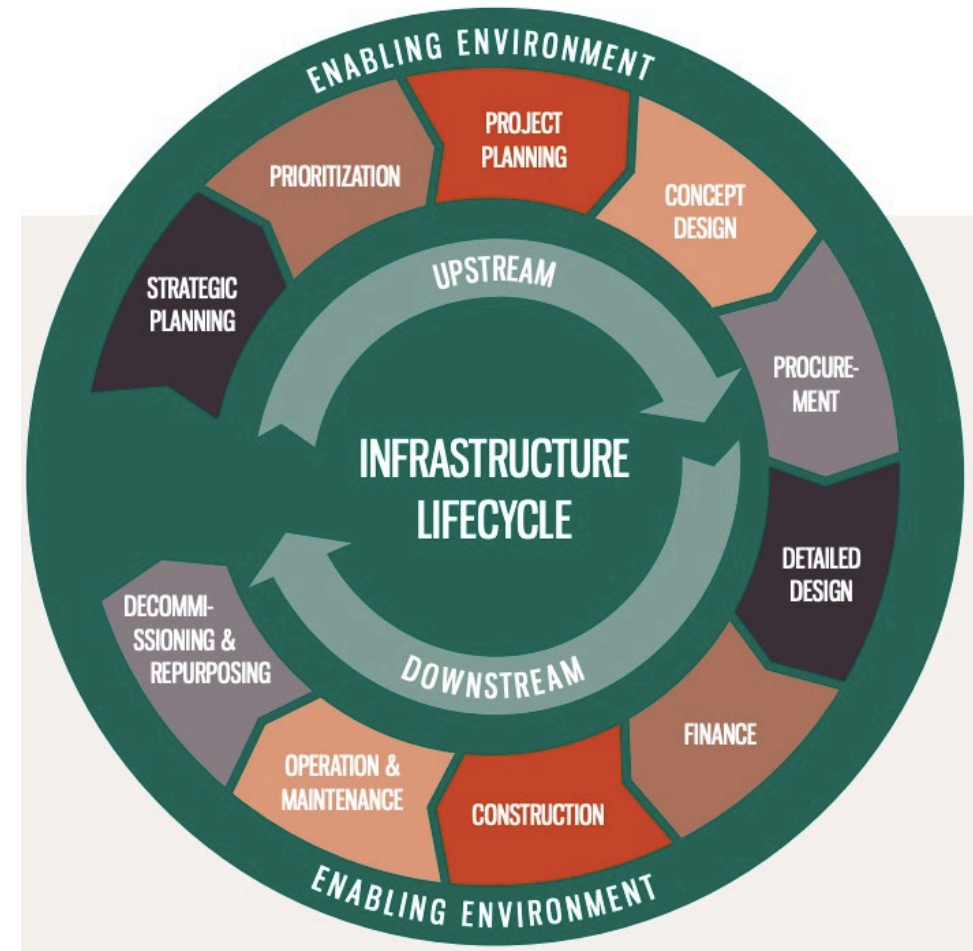
Good Practice Principles

1. Strategic Planning
2. Responsive, resilient, and flexible service provision
3. Comprehensive lifecycle assessment of sustainability
4. Avoiding environmental impacts and investing in natural infrastructure
5. Resource efficiency and circularity
6. Equity, inclusiveness, and empowerment
7. Enhancing economic benefits
8. Fiscal sustainability and innovative financing
9. Transparent, inclusive and participatory decision-making
10. Evidence-based decision-making



Good Practice Principles

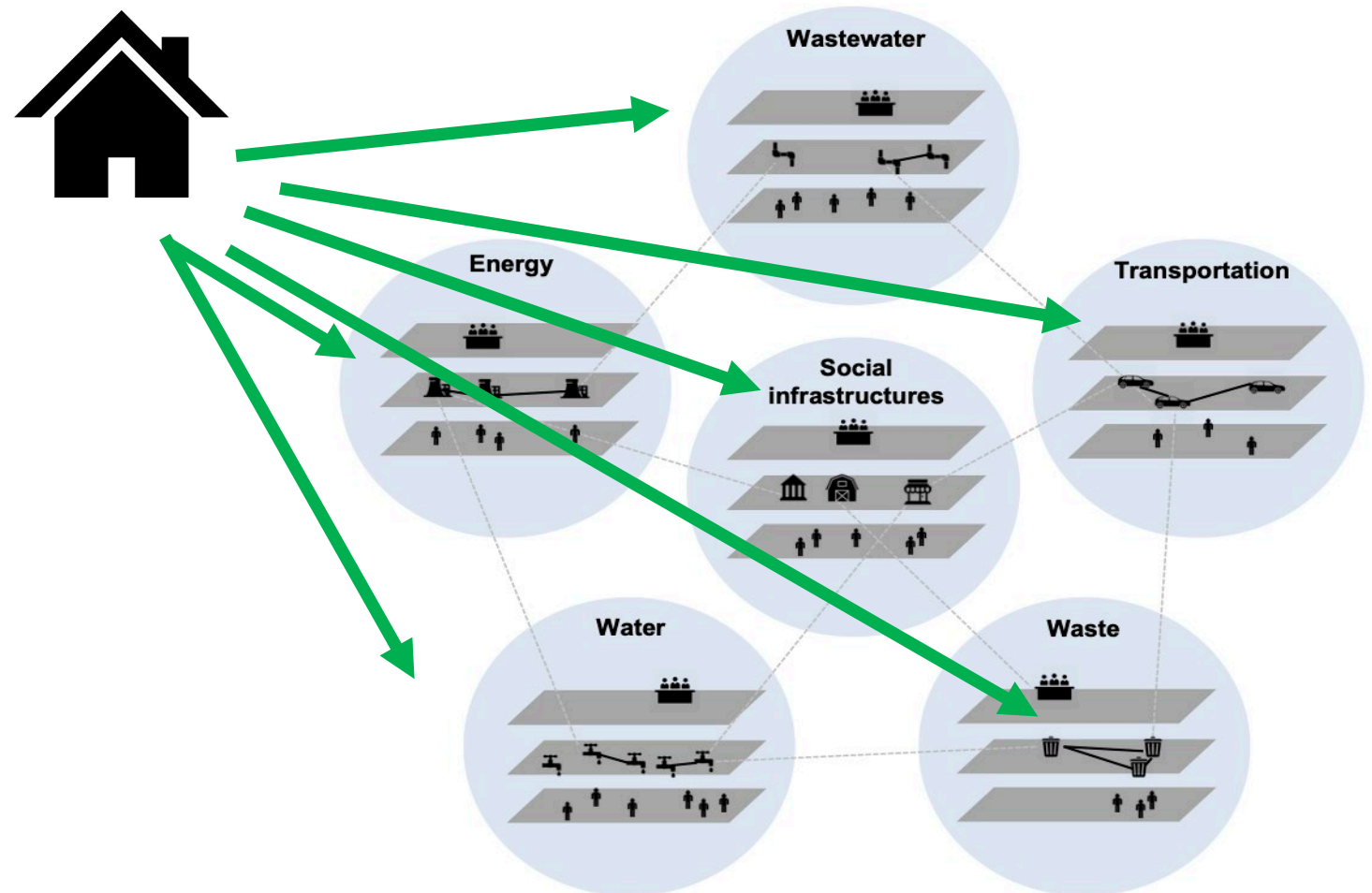
- **Needs-based** = people centered, data and demand driven
- Focused on **systems-level** interventions, emphasis on the early planning phases and enabling environment (institutions, processes, policies)



Good Practice Principles

- **Integrated approaches:**

- Integration of all aspects of sustainability
- Integration of different infrastructure systems across time and space
- Nature as infrastructure
- Understanding impacts and benefits at the aggregate level
- Integrated governance, policies, and processes



Regional Relevance



- Physical and digital connectivity
- Transport, energy, and digital focus
- Social services (health & education)

- SEA protocol
- Valuable tool and level for better planning
- Strong regional experience



Global and Regional Support

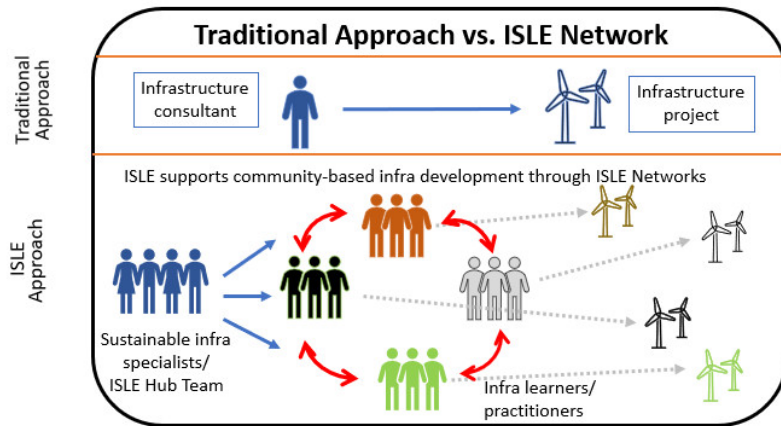


SUSTAINABLE INFRASTRUCTURE TOOL NAVIGATOR

- Database of tools
- User friendly navigation interface
- Matching stakeholders users with tools

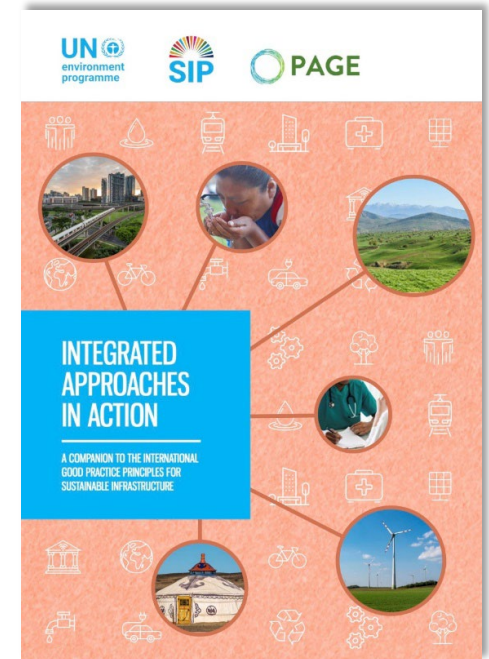
Case Study Database

- case studies from around the world
- Illustrating the Principles
- Case study database



Infrastructure Sustainability Learning (ISLE)

- Peer-to-peer communities of practice
- ECHO model
 - Case-based learning
 - Virtual delivery only



Use in the Pan-European Region

Enabling environment assessments - Using analytical tools to assess alignment with the *International Good Practice Principles for Sustainable Infrastructure* (SI Principles)

Upstream planning – integrating sustainability and resilience into infrastructure planning processes the application of a suite of technical tools for impact assessment, modelling, strategy and scenario development, etc.

Co-development of sustainable budgeting approaches (SBA) to ensure integration of SI considerations in public finance planning and design – Technical assistance on decision-support tools to align public finance resource allocation with national SI objectives

Thank You!



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