

Digitalization for Circular Economy

We accelerate the adoption of **Digital Product Information Systems (DPIS)** to drive sustainability and circular economy transitions



What are Digital Product Information Systems (DPIS)?

DPIS are digital systems that manage and share product information across the lifecycle that can support sustainability and circularity

Our mission

Ensure sustainability and circularity is at the heart of DPIS
Provides support in developing DPIS for circularity and sustainability

Create a unified landscape of globally interoperable DPIS
Reduce fragmentation & support interoperability through global consensus




Enablers for DPIS implementation
Advance the key enablers needed to make DPIS implementation possible, including capacity building, financial incentives, and governance

Support equitable development and implementation
Brings in voices from medium and low-income countries & SMEs to the DPIS dialogue

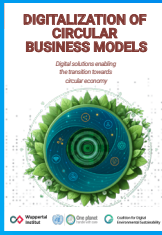
How we achieve our mission

- 1** Convene the Digitalization 4 Circular Economy, a global, multi-stakeholder initiative
- 2** Co-create Guidelines for DPIS and other resources to successfully implement DPIS for sustainability and circularity
- 3** Run pilots in high-impact sectors
- 4** Skills development to develop competencies on DPIS for businesses and governments

Who benefits from this?

-  **Businesses**
Create opportunities for value creation while supporting regulatory compliance (such as EU DPP) and supporting green claims
-  **Governments**
Enable the effective implementation of circular economy and environmental policies
-  **Consumers**
Empower informed, sustainable choices and builds trust

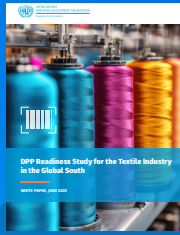
Check our resources!



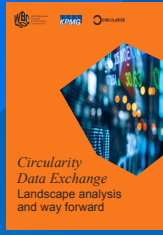
Digitalization of Circular Business Models



Blueprint for a Global DPIS Framework



DPP Readiness Assessment Study for the Textile Industry in the Global South



Circularity Data Exchange: Landscape Analysis and Way Forward

Find all our outputs here

oneplanetnetwork.org/programme/ci-scp/dpis

Get involved!

Public entities, industry representatives, NGOs, academia, and other key stakeholders are welcome to collaborate with us

Participate

Join D4CE webinars to stay informed on the latest insights, developments, and best practices on DPIS

Contribute

Share your expertise and co-create with us — whether big or small

Get in Touch

Interested in collaborating in our upcoming activities? Fill in this [short survey](#) to express interest
Contact us at laetitia.montero@un.org

Visit our website

codes.global/resources/digitalization-for-circular-economy-initiative

D4CE Activities in 2026 - 2027

	DESCRIPTION	COMPONENTS	LEAD PARTNERS	
CO-CREATE	DPIS FOR CIRCULARITY AND SUSTAINABILITY GUIDELINES FOR DPIS DESIGNERS One global framework to scale interoperable DPIS across the world	Co-create guidelines that provides guidance for development and implementation of DPIS. Global consultations are held to ensure an equitable inclusion of Global south and SMEs perspectives	<ul style="list-style-type: none"> • Main functionalities • Technical system components • Governance and policy • Data categories • List of global standards • Financial mechanisms • Skills development 	Wuppertal Institut UNIDO ITU WBC UN environment programme
	DPIS Guidelines for ICT Products	Standardization of DPIS Guidelines for ICT Products	<ul style="list-style-type: none"> • All components specified above for ICT products 	ITU
	DPIS ENABLER SERIES Enable global uptake of DPIS for sustainability	Co-create whitepapers on how DPIS enables action on other sustainability priorities	<ul style="list-style-type: none"> • Global South readiness • Circularity data exchange • Critical raw materials • Chemical footprint • Eco-labels 	Life Cycle Initiative UNIDO WBC
IMPLEMENT	SECTOR IMPLEMENTATION Support high-impact sectors	Pilot DPIS in high-impact sectors to design develop sector-specific DPIS modules that address sector-level data and governance needs	<ul style="list-style-type: none"> • Textiles pilot in Argentina 	INTI CRBAS Centro Regional Basilea para América del Sur UN environment programme
	SKILLS DEVELOPMENT Build required skills	Deliver training programs to develop competencies in DPIS	<ul style="list-style-type: none"> • Training to businesses and governments' 	厦门海峡可持续产业联合会 UN environment programme