



2022
Version 1.0

DIGITAL TRANSFORMATION

BECOMING AN INNOVATIVE, AGILE AND COLLABORATIVE ORGANIZATION,
FIT FOR PURPOSE IN THE DIGITAL AGE

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Introduction

This document sets out the vision for the Digital Transformation of the organization over the next four years, responding to a changing digital development landscape and the evolving needs of our partners, including government, businesses, finance, and civil society.

Within UNEP's newly approved Medium-Term Strategy covering 2022-2025, UNEP will continually seek out and embrace existing and emerging digital technology in all aspects of its work to better serve its partners in their efforts to tackle the triple planetary crises of climate change, nature loss and pollution.

Through a process of scanning, testing and scaling relevant digital technologies, UNEP aims to become an increasingly data-driven, agile, transparent and effective partner.

UNEP's approach to Digital Transformation is not only about digitalizing our products and services, but also using them to drive transformation changes in five areas: environmental decision-making, economic incentives and business models, human behaviors, and environmental governance.



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Digital Transformation Pathways

The approach outlined in this document is meant to be iterative and agile. As such, it will continue to evolve over the coming years as UNEP draws lessons through the implementation of the following two pathways:

Pathway 1: Digital Transformations Subprogramme: Accelerating and scaling environmental sustainability through digital transformation.

This subprogramme looks outward at how UNEP divisions and regional offices can use digital technologies to improve the way they deliver products and services to member states and other stakeholders. The goal is to accelerate and scale action towards climate stability, living in harmony with nature and a pollution free planet.

The subprogramme will harness digital technologies to influence environmental decision-making, economic incentives and business models, as well as human behaviors, agency and environmental governance.

Working through strategic partnerships and by facilitating policy dialogue, this subprogramme will enhance environmental digital literacy and e-governance capacities of diverse stakeholders using an inclusive, gender-responsive and human-rights-based approach, with an emphasis on the global South. This subprogramme also considers how we can help assess and mitigate the impacts of digital technologies in terms of energy demand, e-waste, material supply chains and increased consumption.

A Digital Transformations Subprogramme Coordinator (DT-SPC) reporting to the Director of Policy and Programme Division is responsible for coordinating this pathway with substantive delivery by the divisions and regions. The Chief Digital Officer will provide strategic guidance to the implementation of this pathway.

Pathway 2: A Digitally Enabled UNEP: Digital transformation of UNEP's business processes and culture.

This pathway will be directly implemented by the Chief Digital Officer (CDO) reporting to the Executive Director. Internally, the CDO focuses on both leading and catalyzing the change management process needed to digitally transform UNEP's business processes, policies, entrepreneurial culture, skills and projects, including digital integration in corporate policies and strategies.

This pathway aims to improve the quality, efficiency, delivery, and impact of UNEP's work through better data-driven decision making, project design, knowledge sharing, and digital literacy training.

The CDO will lead a Digital Accelerator Lab anchored in Nairobi that provides thought leadership, strategic direction, operational support and advisory services to UNEP project teams that are delivering outcomes using digital technologies in Pathway 1.

The CDO will also lead the Digital Accelerator Network consisting of staff from the regional offices and divisions. This internal pathway will be implemented in close cooperation and coordination with Enterprise Solutions reporting to the Director of Corporate Services division and the Digital Transformation Subprogramme Coordinator. The CDO will have a representational and advocacy role as well as to help mobilize funds and provide programme visibility.



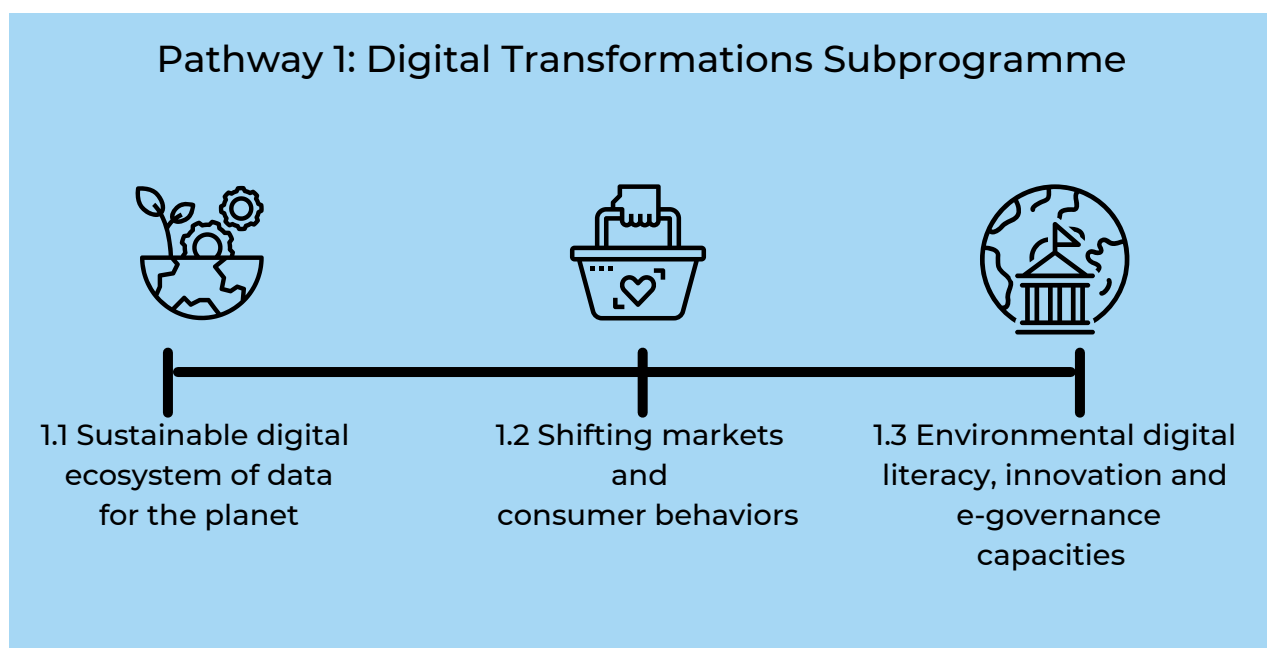
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1.0 Pathway 1: Digital Transformations Subprogramme

Strategic Actions

The Digital Transformations subprogramme, as designed in the Medium-Term Strategy for 2022-2025, focuses on accelerating and scaling environmental sustainability by applying data, digital technologies and solutions in UNEP's key activities, products and services.

It is driven by the direct outcomes and indicators to deliver the climate, nature and pollution pillars adopted in UNEP's Programme of Work (POW) for 2022-2023. UNEP aims for innovation and collaboration with partners in building a digital ecosystem for the planet, shifting market incentives and consumer behaviors through digital channels, and enhancing e-governance including through inclusive policy development, digital literacy and stakeholder engagement. This subprogramme will be coordinated by a Digital Transformations Subprogramme Coordinator within the Division of Policy and Programme and consists of three main strategic actions:



1.1 Sustainable digital ecosystem for the planet

UNEP's goal is to support and scale up environmental change through an effectively governed and inclusive, data architecture and digital ecosystem for the planet.

UNEP will contribute technical expertise to the development and consolidation of an open and inclusive global digital ecosystem for the planet based on digital norms and governance frameworks that integrate datasets and analysis of climate change, biodiversity loss and pollution. Datasets from the public and private sectors will be used to produce actionable, real-time and predictive insights that will contribute to an automatic monitoring of global, national and local progress towards key climate, biodiversity and pollution indicators of priority SDGs and MEAs.

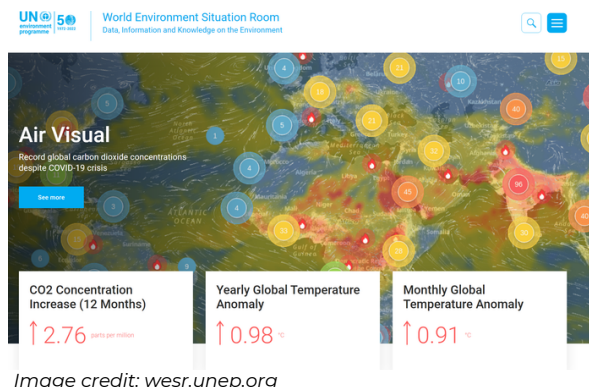
Environmental data and analytics will be digitally integrated into the emerging UN data ecosystem and into each UN country team as part of UN reform. The subprogramme will also engage closely with other relevant subprogrammes to provide analysis and guidance to help mitigate the direct environmental impacts of digital technology supply chains, energy requirements and e-waste, as well as addressing risks arising from misinformation on digital platforms.

This strategic action will be delivered in close coordination with the **Science-Policy foundational subprogramme** with a focus on addressing key data gaps in monitoring SDGs and MEAs progress using digital tools and non-traditional data sources, including earth observation, sensors, AI and citizen science. It will also contribute to global digital standards linked to environmental data, infrastructure and applications.

It will conduct horizon scanning on digital risks for the environment, use AI for strategic foresight and predictive analytics, and federate existing data and digital platforms into an internal and external digital ecosystem. Data on the gender-environment nexus will also be collected as gender equality and a rights-based approach are key for environmental sustainability and decision-making.

1.1 Sustainable digital ecosystem of data for the planet

EXAMPLES OF UNEP'S WORK IN ACTION



World Environment Situation Room

This online platform developed and maintained by UNEP provides free and universal access to environmental data, information, and knowledge to keep the world's environment under review.

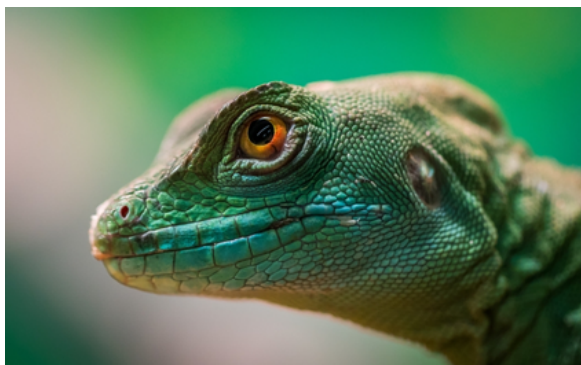


Image credit: Facebook / Green Knowledge

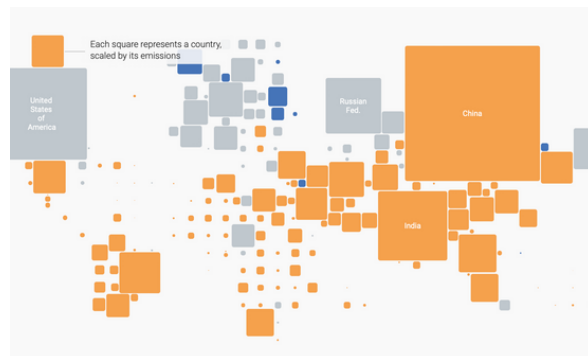


Image credit: Climate Action Note

Climate Action Dashboard

Key information on the state of the climate and countries' progress towards the commitments under the Paris Agreement in an accessible way within a global dashboard.

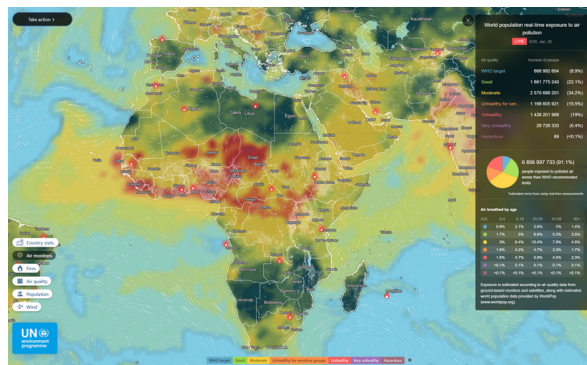


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https://www.yunbaogao.cn/report/index/report?reportId=5_30950

