

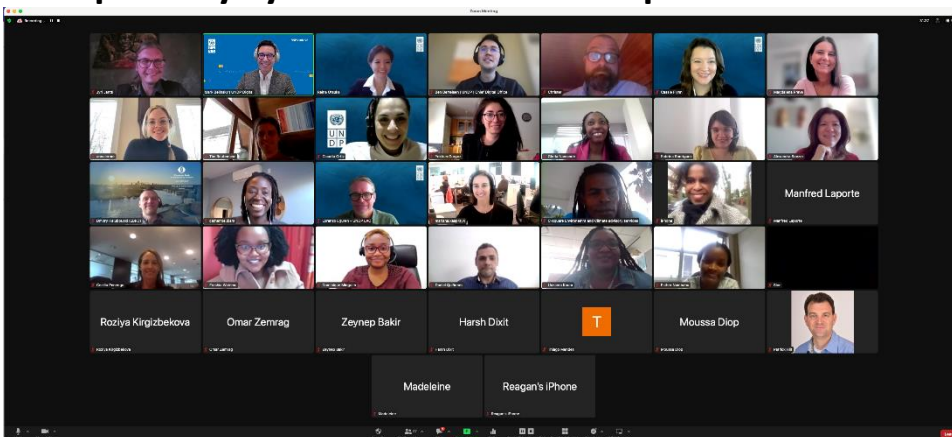


Hello and welcome to United Nations Development Programme (UNDP)'s Digital for the Planet, bringing to you *inspiration on how Digitalization is helping to tackle the triple planetary crises; nature degradation, climate change and pollution.*

In this edition, we share updates from a collaborative initiative to develop a [replicable, open source climate transparency system as a Digital Public Good](#); newly published data insights on the [Data Futures Platform](#) Green Recovery Hub from [Bhutan](#), [North Macedonia](#) and [Mexico](#); and explore digitalization needs that countries are identifying and tackling now. Please also follow the SparkBlue Community of Practice [Digital for the Planet](#)!

Enjoy!

Digital Public Good: UNDP, with partners, is developing modular national transparency systems that can be replicated across countries we support



Building on the Climate Promise support to raise ambitions through Nationally Determined Contributions (NDC), as well as UNDP's long-standing support to transparency funded by Global Environment Facility, Green Climate Fund and other partners, UNDP, together with partners is developing opensource codes for national digital transparency systems that can be reused and configured to national contexts. The codes are developed in a modular way, covering modules for NDC tracking, reporting and carbon registry, so that each country can 'pick and choose' depending on existing national systems and needs, while ensuring interoperability with key international systems. This means that if a government is about to start on the process of developing a new digital system to track NDC actions, manage reporting process or manage carbon credits, instead of designing the system from scratch, there will be a foundational 'recipe' to build from.

The first developed module, funded by Norway and Japan, is for digital carbon registries. Registries will enable countries to issue, track, manage and analyze their carbon credits, and will help facilitate bilateral trades (i.e., Internationally Transmittable Mitigation Outcomes or ITMO, under Article 6.2) as well as manage other carbon trade mechanisms in the future. We are currently in the process of Digital Public Good accreditation, and more modules are on the way in collaboration with World Bank, EBRD, UNFCCC and other major players.

Key resources:

- **Explore** the Carbon Registry Digital Public Good source code here -> [Github ver. 0.5](#)
- [Watch the first meeting](#) of the new Community of Practice. Launched in December 2022, it invited transparency and carbon trade practitioners from government and the IT community to discuss the needs, challenges and practical opportunities for digitalizing the Paris Agreement.
- **Watch** the World Bank, UNFCCC, EBRD and UNDP's joint side event at COP27 '[Digital MRV Systems for Inclusive Climate Action](#)', mapping out the international digital ecosystem in need.
- **Join** the Community of Practice online forum and invite government partners to this unique knowledge exchange opportunity: [Keeping Track - Digital Public Goods for the Paris Agreement](#)
- **Questions?** Reach out to valeriya.zaytseva@undp.org and mark.belinsky@undp.org to discuss more, or if you would like to receive a walkthrough of the demo registry.

Green Digital Transformation: What are entry points for digital transformation that enable a green transition?

Last year, throughout the [Stockholm+50 National Consultations](#), there was a clear indication that data and digital technologies are one of the key opportunities for a green transition. The [Stockholm +50 Global Synthesis Report](#) by UNDP showcased bold messages, new ideas, and opportunities toward a healthy planet, and we

encourage you to dig into the [Stockholm+50 National Consultations dashboard](#) which allows for in-depth exploration of each country report and thematic overviews.

As part of the Stockholm +50 follow up process, Cote d'Ivoire country office piloted a workshop to further identify digitalization needs and entry points for key green sectors, combining a survey and group discussions. Policy makers, private sector and youth entrepreneurs identified gaps and entry points among and within key sectors such as energy, environmental management and waste management. Some of the recommendations are being taken forward by existing or upcoming projects. Such assessment and workshop will help open up discussions on digital transformation in a systematic manner, and suitable during Country Programme Document consultations or project preparation / initiation stages. This simple [Toolkit](#) can help you get started, and please get in touch with the NCE Digital Team for further support and plans for deep-dive methodologies.

Sector	Pillar	Disagree/Agree	Don't know
Green Economy	Infrastructure		32%
	Government		41%
	Regulation		5%
	Business		7%
	People		2%
Energy	Infrastructure		0%
	Government		9%
	Regulation		9%
	Business		52%
	People		0%
Environmental Management	Infrastructure		30%
	Government		18%
	Regulation		38%
	Business		36%
	People		7%
Waste Management	Infrastructure		16%
	Government		30%
	Regulation		20%
	Business		4%
	People		2%

Key resources:

- Explore the [Stockholm +50 Global Synthesis Report And catch up on its launch event.](#)
- Be inspired by Cote d'Ivoire's DRA report -> Read [here.](#)
- **Explore the [Toolkit](#)** on how to design a workshop to discuss Digital Readiness for Green Transition
- **Questions?** If you are interested in learning more about the Digital Readiness Assessment tool and conducting one, please reach out to reina.otsuka@undp.org.

Local Digital Innovation: UNICEF-UNDP

Green Shark Tank Challenge testing new ways of nurturing local innovators



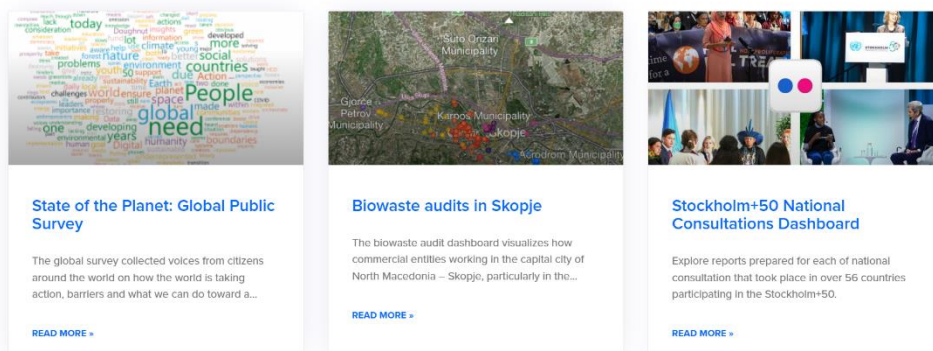
The year 2022 ended with agreements and new plans to protect nature and biodiversity, as our green safety-net rapidly diminishes worldwide, but waiting for them to unfold isn't an option. As communities take action in real-time to conserve biodiversity, nurture ecosystems, and build resilient systems, innovators around the world are working tirelessly to grow bold, ambitious climate solutions. Through the [Green Shark Tank Challenge](#) UNICEF and UNDP have been working together with local communities, youth and partners to discover, co-create, and scale pivotal solutions that will drive critical action on climate change. The three winners [WasteX Lab \(Tanzania\)](#), [Youth Environment Living Labs \(YELL\) \(Malaysia\)](#), and [Bio-Hack My World \(North Macedonia\)](#) are all testing new approaches to support local innovation that contribute to a circular economy and climate change mitigation, successfully attracting private sector financiers and new partners along the way.

Find out more from the recently published UNICEF-UNDP joint blog on '[Local innovators, the unsung climate action heroes](#)', and more to come in the next few months.

Data for Policy: Latest Data Insights on the Data Futures Platform

Green Recovery Library

SEE ALL



The UNDP Data Futures Platform [Green Recovery Library](#) is growing, showcasing innovative solutions to address the pressing challenges of nature degradation, climate change and pollution. With recently published interactive data products, you can explore and learn from the best practices of countries, regions, and the world. Get inspired and join the journey to a greener future with the Data Futures Platform Green Recovery Library!

[Bhutan Vs Climate Change](#)- Step into Bhutan's Climate Crisis Dissecting the Impact on Society. Bhutan is facing the harsh reality of climate change and its impact on the nation. With funding from the Green Climate Fund, Bhutan has undertaken climate-related hazard assessments to establish a broad consensus about climate change hazards across the country and its likely impacts in order to inform its national adaptation plan (NAP). With the development of the [interactive dashboard](#), you can now dive into the data and see the impact of climate change on each region in Bhutan, and how they compare to one another. Get ready to explore the consequences of climate change in Bhutan and its impact on its people.

[Increase environmental engagement in Mexico through an interactive map of voices and community](#)

[actions](#): Ready to hear from the community on how can a systematized engagement with broader communities and sectors support an accelerated transformation towards planetary health? Mexico did just that with their online survey capturing nationwide engagement from over 1,300 people in 31 states. The results were turned into an interactive map showcasing community actions and initiatives for the environment, all classified by source and featuring media for a more engaging experience. Discover the ideas and proposed solutions for environmental challenges straight from the community. Check out the interactive map [here](#).

[Biowaste audits in Skopje](#): Looking for ways to improve waste management and reduce biowaste? UNDP North Macedonia has got you covered! With their innovative biowaste audit [dashboard](#), they're showcasing how businesses in the capital city of Skopje can transform their biowaste into opportunities. This dynamic learning

portfolio is specifically designed for the HORECA (Hotels, Restaurants and Catering) sector, but can be used by any commercial entity to understand their biowaste production. Get a glimpse into the future of waste management and see the potential of biowaste transformation and biotechnologies with the biowaste audit [dashboard](#) from UNDP North Macedonia Green Shark Tank winning team.

Editors Pick!

UNDP's new publication, the '[Integrated Spatial Planning Workbook](#)', is a game-changer for those looking to achieve multiple nature-based goals. Explore step-by-step explanations and case studies from 11 UNDP countries to see how they developed "Maps of Hope" to protect, manage, and restore ecosystems. Discover how digital technologies can play a vital role in the transition towards a "deeper" green and inclusive future.

Did you know that half of the countries worldwide are not prepared for potential climate catastrophes? UNDP and BMZ have recently called for an international coalition to collect, analyse, and share climate data to tackle this issue. Discover more in the joint op-ed '[Data-driven policy is our best chance to contain climate risks](#)', and a follow-up panel discussion by experts [here](#).

UNDP has been working with partners such as UNFCCC, World Bank, EBRD, Norad to build a common digital ecosystem for the Paris Agreement. Read more in '[Why the world needs a common infrastructure for reporting climate targets](#)'. As Rwandan President Paul Kagame rightly said, "The only sustainable solution is one that includes us all."

Thank you for reading!

This newsletter is brought to you by Bureau for Policy and Programme Support / Nature, Climate, Energy and Waste Digital Team. Leveraging on, and in support to, the Global Environment Facility and Green Climate Fund portfolio, we strive to be a backbone digital capacity across the practice areas to provide impactful digital offers that lead to a green transition. For inquiries on any of the initiatives listed, or if you have a project that you would like to work with us, please email: Reina Otsuka, Lead, Digital Innovation for Nature Climate and Energy (reina.otsuka@undp.org)

Do you know someone who might like to receive this newsletter too? Please contact: digital4planet@undp.org
