Digital Public Goods Alliance

2024 STATE OF THE DIGITAL PUBLIC GOODS ECOSYSTEM

ABOUT THE DIGITAL PUBLIC GOODS ALLIANCE

Established in 2019, the Digital Public Goods Alliance is a multi-stakeholder initiative with a mission to accelerate the attainment of the sustainable development goals in low- and middle-income countries by facilitating the discovery, development, use of, and investment in digital public goods. Digital public goods are open-source software, open data, open AI systems, and open content collections that adhere to privacy and other applicable laws and best practices, do no harm, and help attain the SDGs. To learn more, visit digitalpublicgoods.net or contact **hello@digitalpublicgoods.net**.

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INTRODUCTION

LETTER FROM LIV MARTE NORDHAUG
DPGA SECRETARIAT CEO

I am extremely proud to present the most comprehensive State of the DPG Ecosystem Report to date.

To me this report shows how DPG-relevant activities weave together to form new promising patterns in an increasingly strong and resilient fabric of interdependent deliverables. It shows a growing ecosystem, underpinned by strong country and stakeholder demand for DPGs as a future oriented model for digital cooperation. 2024 was a significant year for digital transformation efforts worldwide. A massive surge and interest in generative AI and the Global Digital Compact (GDC) consultations and negotiations brought together stakeholders for important conversations and decisions that will have impacts on the way technologies shape our lives for years to come.

One particularly important collective advocacy win was the strong reference to DPGs as enablers of advancing the SDGs in general and digital public infrastructure more specifically, in the GDC that was adopted by UN Members in September 2024. Another critical advocacy milestone was **the decision** to continue requiring open training data for AI systems to be considered DPGs.

As the GDC moves into implementation in 2025, and as we work with other stakeholders to advance public interest AI that is based on open training data, a strong, collaborative and aligned Digital Public Goods Alliance will be needed more than ever before.

This year's State of the DPG Ecosystem Report shows the great strides the DPGA Secretariat has made in 2024 to help support the Ecosystem. This includes the updated DPGA **Roadmap** and **DPG Registry**. We can now collect and share more up to date and precise information about the impressive activities that DPGA members are driving, and the DPG Registry now provides important information about DPGs that many stakeholders have asked us for. We also launched the first **DPG collection** which lists DPGs that can be used to build digital public infrastructure. I am pleased about these updates, as the DPGA Roadmap and the DPG Registry have proven to be, and will continue to be, a critical source of data for evolving coordination and alignment processes moving forward.

IMAGE: Liv Marte Nordhaug, DPGA Secretariat CEO, Minister Teo, Government of Singapore and Minister Bah, Government of Sierra Leone gather before the 2024 AMM opening plenary in Singapore. Photo Credit: Derrick Ng Jun Peng.

I am particularly excited about a new, more directional mobilisation tool that we are officially launching as part of this report: **Calls for Collaborative Action**. These calls were created to ensure that the potential of DPGs are unlocked. Specifically, they relate to 1) the development and sharing of open-source principles and policies; 2) DPGs for advancing open data and public interest AI; 3) cost-effective and scalable DPGs that can accelerate climate action; and 4) financing for DPGs that enable digital public infrastructure. Please check out these calls and join us in supporting them through the approaches and means that you can!

One trend I noticed at the AMM this year, which illustrates the increasingly tight-knit fabric of the DPG Ecosystem, is a shift from individual products to communities of aligned and interoperable DPGs. This shift is most apparent in the landscape of DPGs that enable countries to build DPI. Here, DPG product owners are increasingly joining forces to share learnings and best practices, showcase integrations and the interoperability between products, as well as discuss new sustainability and financing models. In 2025, I hope to see this trend form around other strategic targets, such as climate action, which the Secretariat will enthusiastically support. But for now, I invite you to read the 2024 State of the DPG Ecosystem and see for yourself the many highlights from this past year. I hope it inspires you and that you will join us in weaving together deliverables for impact again this year.

IMAGE: Liv Marte Nordhaug, DPGA Secretariat CEO, and Jasper Patrick Sembie, Director and COO, Directorate of Science, Technology and Innovation, Office of the President, Sierra Leone, gather before the 50-in-5 campaign milestone event "DPI for People and Planet" on the sidelines of the 79th UNGA in New York City. Photo Credit: Anthony Randazzo.

DPGA
2024 MILESTONES

01
JANUARY

- New DPGs: 9
- Renewed DPGs: 20

02
FEBRUARY

- New DPGs: 5
- Renewed DPGs: 8

03
MARCH

- New DPGs: 4
- Renewed DPGs: 22

— Singapore and Creative Commons join the DPGA.

04
APRIL

- New DPGs: 7
- Renewed DPGs: 4

— Malawi joins the DPGA.
— Reboot the Earth launches, kicking off a series of coding events to help address climate change.

05
MAY

- New DPGs: 3
- Renewed DPGs: 11

— DPGA co-authors G7 policy brief on the democratic governance of AI systems and datasets.

06
JUNE

- Renewed DPGs: 1

— OpenForum Europe and the Dominican Republic join the DPGA.
— 50-in-5 countries gather to discuss the role of open source and DPI.

07

JULY

- ✓ New DPGs: 2
- ✓ Renewed DPGs: 9

— OSPOs for Good conference hosted in NYC, bringing together DPGA members and global open-source leaders.

08

AUGUST

- ✓ New DPGs: 3
- ✓ Renewed DPGs: 5

— DPG Standard refines requirements for open data and content DPGs.

09

SEPTEMBER

- ✓ New DPGs: 2

— Global Digital Compact, adopted by UN Member States, underscores the importance of DPGs.
— 50-in-5 celebrates its 1-year anniversary with a high-level UNGA event featuring leaders from 15 countries.
— Ukraine joins the DPGA.

10

OCTOBER

- ✓ New DPGs: 3
- ✓ Renewed DPGs: 3

— DPGs Decoded launched to equip the Ecosystem with tools to support DPGs.
— DPGA Secretariat underscores its commitment to open data for AI systems to be recognized as DPGs.

11

NOVEMBER

- ✓ New DPGs: 2
- ✓ Renewed DPGs: 2

— DPGA and DataPrivacy Brazil publish report exploring DPGs and DPI for climate.
— DPGA Annual Members Meeting in Singapore.
— New Roadmap and improved DPG Registry launched.
— Asian Development Bank, Open Future, UN Women and Uruguay join the DPGA.

12

DECEMBER

- ✓ New DPGs: 3

— DPGA Advocacy Strategy published.

DPGA SECRETARIAT

THE DPGA SECRETARIAT IN 2024

The Digital Public Good Alliance Secretariat leads the creation and maintenance of foundational components that are vital to the DPG Ecosystem and facilitates alignment among a community of like-minded organisations in order to advance digital public goods. This includes stewarding and maintaining the DPG Standard and Registry, advocating for the implementation of DPGs, and convening experts and communities to advance core topics such as AI, DPGs4DPI and climate action. As a members-based alliance, the DPGA brings together creators, implementers, and supporters working towards a shared global vision for DPGs, and coordinates and mobilises resources in priority areas to facilitate a healthy DPG Ecosystem, facilitating growth, sustainability, and impact. Throughout this section we are proud to share exciting advancements from this past year.

IMAGE: DPGA Secretariat team at the Annual Members Meeting in Singapore. Photo Credit: Derrick Ng Jun Peng.

DPG REGISTRY AND ROADMAP: UPDATES AND IMPROVEMENTS TO DPG ECOSYSTEM TOOLS

Throughout 2024, the DPGA Secretariat's Product Team made several significant updates to the DPG Registry and Roadmap to help improve the way individuals learn about DPGs and DPGA member activities.

The **DPG Registry** showcases all solutions that meet the requirements of the DPG Standard. It is a simple, interoperable database providing relevant, verified information about DPGs including license, country of origin, and SDG relevance. In 2024 the DPGA Secretariat updated the DPG Registry to improve the user experience and the quality and quantity of data provided. Guided by user feedback, the new versions now have filtering and sorting tools, making it easier to search for digital public goods that meet specific needs. DPG profile pages, where you can learn more about specific DPGs, were updated to provide additional information that users indicated a desire to learn more about. This included the scale of the solution which can be indicated by where and when DPGA members are using it, languages it is available in, and associated programs it is part of.
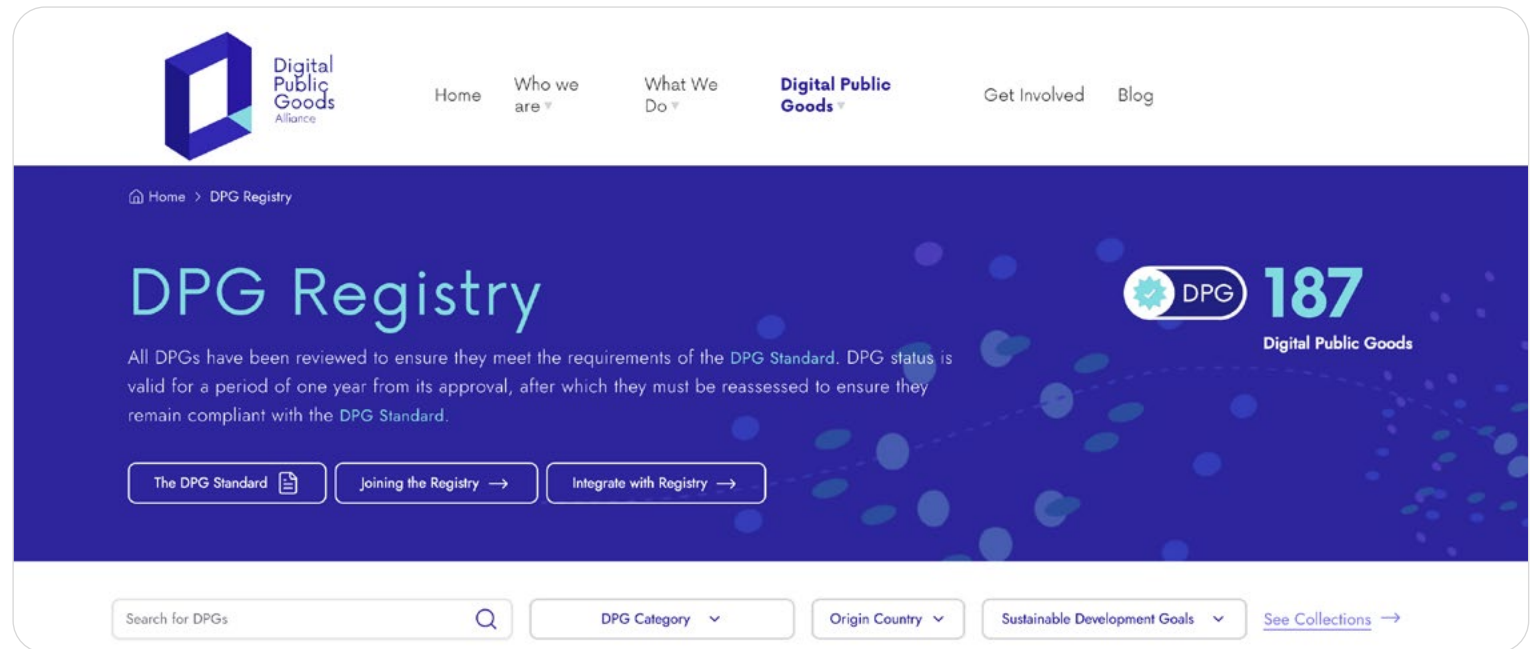

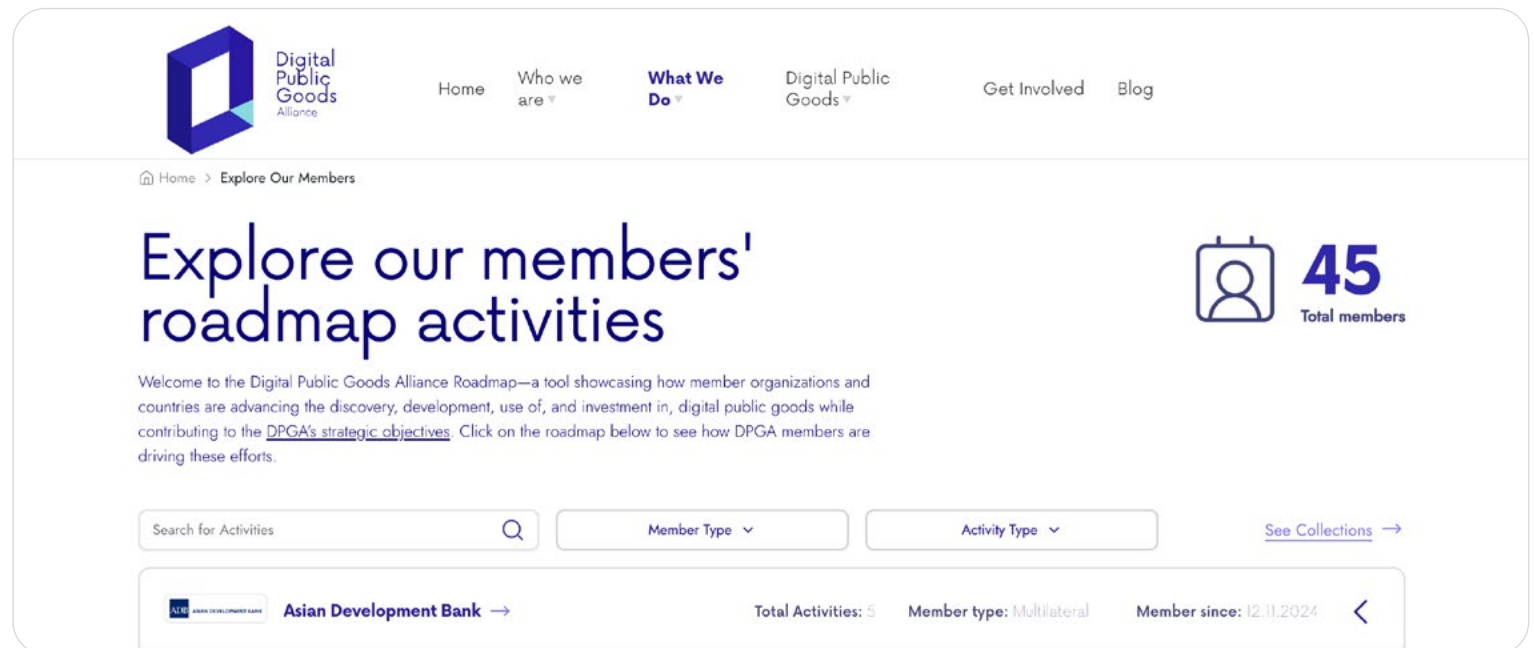IMAGE: DPG Registry at **digitalpublicgoods.net/registry**.

IMAGE: DPGA members' roadmap activities at **digitalpublicgoods.net/roadmap**.

IMAGE: DPG product owners gather at the DPG Fair at the DPGA Annual Members Meeting in Singapore. Photo Credit: Derrick Ng Jun Peng.

The DPGA Secretariat also launched the "collection feature", starting with the DPGs4DPI collection, **featuring DPGs** being implemented by countries as part of their digital public infrastructure efforts. Collections allow users to access relevant DPGs through a centralised list that also includes use cases, and members who have related Roadmap activities.

The **DPGA's Roadmap** is a tool showcasing how member organisations and countries are advancing the discovery, development, use of, and investment in digital public goods. In 2024, improved Roadmap and member profile pages were launched to help better equip stakeholders with information that can help forge new collaborations, align existing efforts, and increase awareness of what DPGA members are doing to advance DPGs. An exciting new feature shows when there are direct connections between members and DPG products.

LOOKING AHEAD

The DPGA Secretariat is continuing to explore how to improve access to information on DPGs, and ensure that the DPG Registry and Roadmap are meeting the needs of the ecosystem and those wanting to support and use DPGs. In 2024, the DPGA Secretariat started two workstreams that will continue to be a focus in 2025. The first relates to building a DPG Maturity Framework alongside DPGA members UNICEF, FAO, Digital Square at PATH and GitHub. This mutual framework is meant to provide insight into the maturity of a DPG so stakeholders can make more informed decisions regarding adoption and use. The DPGA Secretariat is also helping to develop a digital self-assessment tool to measure the scalability and readiness of digital public goods. This tool will also be integrated into the DPG Registry and the public API.
The second refers to the DPGA's public API, which opens up the DPG Registry for data integration into external platforms. We're working to continually improve our API documentation to ensure that DPG Registry data can be integrated easily by other organisations seeking to integrate and leverage ecosystem tools that the DPGA stewards.

The DPGA Secretariat Product Team appreciates the contributions and community inputs that they received as part of this improvement process. Community contributions help the DPGA Secretariat stay user-focused and leverage the collective expertise within the Alliance. By carrying an open-source approach into all development work we're building a stronger, more accessible DPG Ecosystem for everyone.

IMAGE: Bolaji Ayodeji, DPG Evangelist and Technical Coordinator, Pelin Hizal Smines, Product & Experiences Lead, and Ricardo Miron, Chief Technology Officer, DPGA Secretariat. Photo Credit: Derrick Ng Jun Peng.

NEW DPGS IN 2024: A DIVE INTO THE TECHNICAL REVIEW PROCESS

The DPG Registry increases the discoverability of DPGs – helping them attract adoption, support, funding, and collaborations. To be featured on the DPG Registry, and therefore considered a DPG, a solution must be reviewed and found to meet the DPG Standard. To help make this process simpler and more accessible, the Technical Team launched the DPG **Applicant Toolkit**, a webpage linking to core resources that can help projects looking to become DPGs.

In 2024, the DPG Technical Team spent more than 1,000 hours reviewing 245 open-source solutions that applied to receive DPG recognition. However, this is only part of the story. Given that solutions evolve over time and may no longer comply with the DPG Standard, all DPGs are reassessed annually. This year 133 DPGs were successfully renewed, representing an 86% renewal success rate. There were 112 new applications in 2024, of which 45 of were successfully approved as new DPGs. 2025 is already off to a great start with many new and prominent projects becoming DPGs including **Tor browser** ᴰᴾᴳ ✹ and **Wikipedia** ᴰᴾᴳ ✹.

IMAGE: Taylor Downs, OpenFN, at the DPG Fair during the DPGA AMM in Singapore. Credit: Derrick Ng Jun Peng

IMAGE: Dimitrios Mentis, Energy Access Explorer, during the DPG Fair during the DPGA AMM in Singapore.
Photo Credit: Derrick Ng Jun Peng.

STRENGTHENING THE DPG PRODUCT OWNER COMMUNITY

The DPGA's Technical Team is working to create an active community of DPG product owners that can come together to share opportunities, learn from one another, and collaborate to solve common challenges.

To better support this community, the DPGA Secretariat's Technical Team introduced the **DPG discussion forum** to strengthen the team's ability to connect product owners to one another as well as relevant funding and advocacy opportunities, events, and partnerships. The team also produces a DPG product owner newsletter and runs 1:1 support calls, in addition to monthly community calls. Finally the team continues to try and create new, high-value opportunities to increase DPG visibility including running the DPG Product Fair at the DPGA Annual Members Meeting.

To better understand and support DPGs, the DPGA Secretariat's Tech Team also contributed to **Code4GovTech** initiative and complimentary **DPG SCoRe report**, which seeks to provide a holistic overview of the current state of community-building efforts across DPGs. This report offers insights into both organisation and developer perspectives.

DPG ADVOCACY IN 2024

2024 was a year of significant progress for digital public goods as a global movement. The recognition of the critical role of DPGs in digital transformation with its inclusion in the Global Digital Compact (GDC) was an important milestone, particularly in relation to the implementation of digital public infrastructure. The GDC will serve as a comprehensive framework for the global governance of digital technology and artificial intelligence for decades to come. The DPGA Secretariat was proud to contribute to this effort and thankful to all members, particularly countries, as well as product owners who helped advocate for DPGs to be part of the GDC. This landmark commitment signals growing alignment among countries and stakeholders for increased cooperation and collaboration around digital public goods.

Despite this achievement, significant challenges remain. There is a need for well coordinated efforts to address funding gaps, particularly for the maintenance and scaling of DPGs. Building sustainable financing and governance mechanisms, fostering a culture of collaboration, and strengthening local vendor ecosystems will be important in 2025. The rise of generative AI also presents an urgent need for AI systems that are aligned with the DPG Standard as AI systems digital public goods should serve the public interest, have model data transparency, and adhere to best practices. Similarly, leveraging DPGs to accelerate climate action remains both an opportunity and a necessity, requiring stronger collaboration across governments, civil society, and the private sector.

The **DPGA Advocacy Strategy**, released in December 2024, captures the DPGA's vision and objectives to help tackle these challenges, and showcases the core tactics and key messages that can help strengthen the DPG Ecosystem to meet the demands of adoption and implementation. It also includes resources for the DPG community to bridge the gap between aspiration and action.

The following section delve deeper into specific areas that the DPGA Secretariat contributed to in 2024: artificial intelligence, climate action, and DPGs for digital public infrastructure (DPGs4DPI). Each update highlights the progress made, the hurdles ahead, and opportunities to build on the successes of the past year.

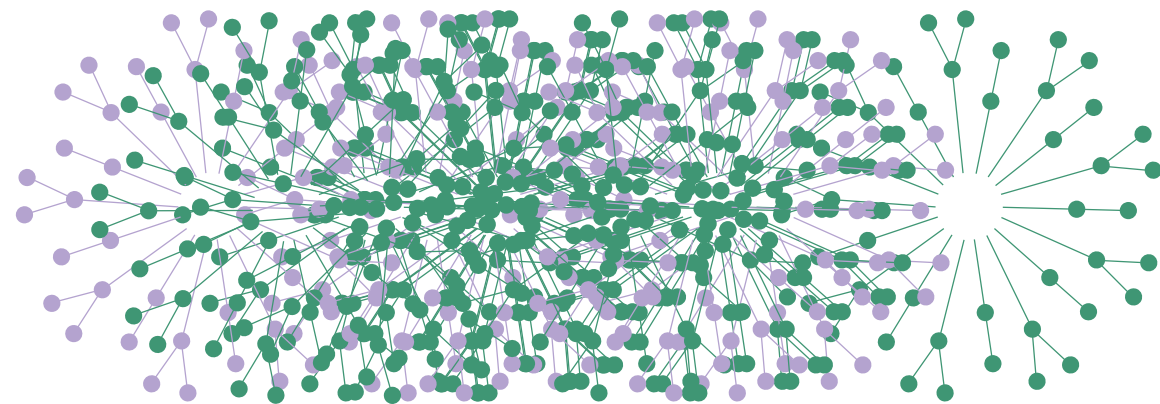IMAGE: DPGA Advocacy Strategy at **digitalpublicgoods.net/advocacy-plan**.

DPGs4DPI AND 50-IN-5

One of the key reasons the DPGA advocates for DPGs is their potential to shorten the learnings and adoption journeys for countries that are implementing digital public infrastructure - understanding its potential to build resilient and innovative economies, and improve the well-being of people everywhere. The DPGA has operationalised this by co-leading the 50-in-5 campaign, which aims to support 50 countries to implement safe, inclusive, and interoperable DPI by 2028. The campaign builds on the growing recognition of DPGs as enablers of DPI as noted in the Global Digital Compact.

The 50-in-5 campaign celebrated its first anniversary in November and ended the year with 22 countries in total as part of the campaign, reaching nearly half of the campaign target of 50 in the first year. This milestone underscores a steady momentum in countries wanting to work together to share learnings and best practices to aid the implementations of safe, inclusive, and interoperable DPI. Almost all participating countries are choosing DPGs as part of foundational DPI components.

During the 50-in-5 Milestone Event, titled "DPI For People and Planet", held in New York City on September 23rd, high-level representatives from 15 countries highlighted how DPI is making an impact, and with many sharing how DPGs can be a key driver for GDC implementation. At the event, Brazil, Cambodia, France, Nigeria, Ukraine, and Uruguay announced their participation in the campaign. Their involvement helped broaden the reach of the campaign globally and will encourage participation from new countries in 2025. Additionally, high-level representatives from 50-in-5 participating countries joined the event from the Dominican Republic, Estonia, Lesotho, Malawi, Norway, Sierra Leone, Singapore, Sri Lanka, Togo, and Zambia. Leadership from the Inter-American Development Bank (IDB), UNDP, UNICEF and the World Bank in addition to H.M. Queen Máxima of the Netherlands, the United Nations Secretary-General's Special Advocate for Inclusive Finance for Development, also participated – showing the strong belief in digital cooperation to advance in DPI.

DIGITAL PUBLIC INFRASTRUCTURE FOR PEOPLE AND PLANET

50-IN-5 MILESTONE EVENT AT UNGA 79

50in5

IMAGE: 50-in-5 milestone event "DPI for People and Planet", learn more at 50in5.net. Image Credit: Digital Public Goods Alliance.

> **❝**
>
> **Brazil's participation in international forms like this one [50-in-5], transfers DPI domestically and abroad. This action forces transformative exchanges, connects countries, reduces costs and promotes joint development. We are proud to join the 50-in-5 campaign.**
>
> ⸻
>
> H.E. Esther Dweck, Minister of Management and Innovation in Public Services, Brazil

The campaign also facilitated virtual and in-person learnings and best practice exchanges between countries. Learn **here** how the exchanges are unfolding and lessons learned that are helping to shape how countries utilise DPGs4DPI.

The DPGA Annual Members Meeting in Singapore also placed a strong emphasis on DPGs4DPI, with a number of participating 50-in-5 countries attending, alongside representatives from supporting organisations. There, participating countries also had an opportunity to deep dive into how they can solve common challenges and meet product owners and implementers.

In 2024 the DPGA Secretariat also launched the DPGs4DPI collection featuring DPGs that can be used by countries as part of their digital public infrastructure efforts. Collections allow users - which can include governments decision-makers, to access and learn about DPGs commonly being used as part of a country's DPI. The centralised collection information on use cases, and DPGA members who have related Roadmap activities.

WHAT TO EXPECT IN 2025

As 50-in-5 moves into its second year, the focus is to help countries learn from each other – including how to use DPGs to accelerate their digital progress. Key priorities include:

— Policies & Financing: helping countries and international organisations develop, adopt and implement open-source first policies, and mobilise financing for DPGs4DPI which will be leveraged by the relevant **Calls for Collaborative Action**.

— Regional Collaborations: scaling regional initiatives to accelerate cross-border interoperability and reduce barriers for countries looking to adopt DPGs for their DPI.

— Sharing of knowledge: advance research and facilitate knowledge exchange events, both virtual and in-person, as participating countries are eager to learn and share. This includes the Global DPI Summit and the next DPGA Annual Members Meeting.

IMAGE: Esther Dweck, Minister of Management and Innovation in Public Services, Brazil, Nthati Moorosi Minister of Information, Communications, Science, Technology and Innovation, Lesotho, Josephine Teo, Minister for Digital Development and Information and Minister-in-charge of Smart Nation and Cybersecurity, Singapore and Cina Lawson, Minister of Digital Economy and Transformation, Togo, gather at the 50-in-5 milestone event in New York City. Photo Credit: Anthony Randazzo.

OPEN DATA AND AI SYSTEMS AS DIGITAL PUBLIC GOODS

2024 was a year that brought unprecedented interest in AI, which saw many start to ask critical questions on how it can be utilised for good in the world. The DPGA Secretariat was proud to be part of this discussion which included **how to democratise** AI systems and how to ensure AI advances **public interest**. The DPGA Secretariat also undertook important steps to ensure that the DPG Standard evolves to meet the need to assess open-source AI systems as digital public goods.

COMMUNITY OF PRACTICE ON AI

The DPGA and UNICEF's Community of Practice on AI provided its **recommendations** on how the DPG Standard can be updated to assess AI systems as DPGs. These recommendations outline ethical considerations, including fairness, accountability, and transparency as requirements for open AI systems, and guide developers to follow best practices and standards throughout the development lifecycle. They also emphasise the pivotal role of open data in enabling public-interest AI systems, highlighting how accessibility, interoperability, and data governance are crucial for achieving equitable outcomes.

OPEN DATA AND FUNDAMENTAL CHANGES TO THE DPG STANDARD

In a bold move to enhance openness and usability, the DPGA updated the **DPG Standard** to accept only fully open-licensed content collections and datasets as DPGs. As discussed in the blog post "**Enhancing Openness and Usability**", this update underscores the importance of unrestricted and complete open access to DPGs, which is critical in order for them to be reused, adapted and implemented in different contexts than they were created for.

The connection between open data and AI was further explored in the blog "**The Role of Open Data in AI Systems as Digital Public Goods**", which highlighted how open datasets can empower AI systems to address critical societal challenges and why the DPGA Secretariat made the important decision to require that all datasets, including training datasetsbe fully open for AI systems to become DPGs.

WHAT TO EXPECT IN 2025

In 2025, the DPGA Secretariat will continue to support efforts to advance AI systems DPGs as open-source solutions that serve the public interest. As outlined in the **Calls for Collaborative Action** on open data and public interest AI, this includes highlighting AI systems that meet the DPG Standard and exploring ways to improve access to open data, and the processing of open data.
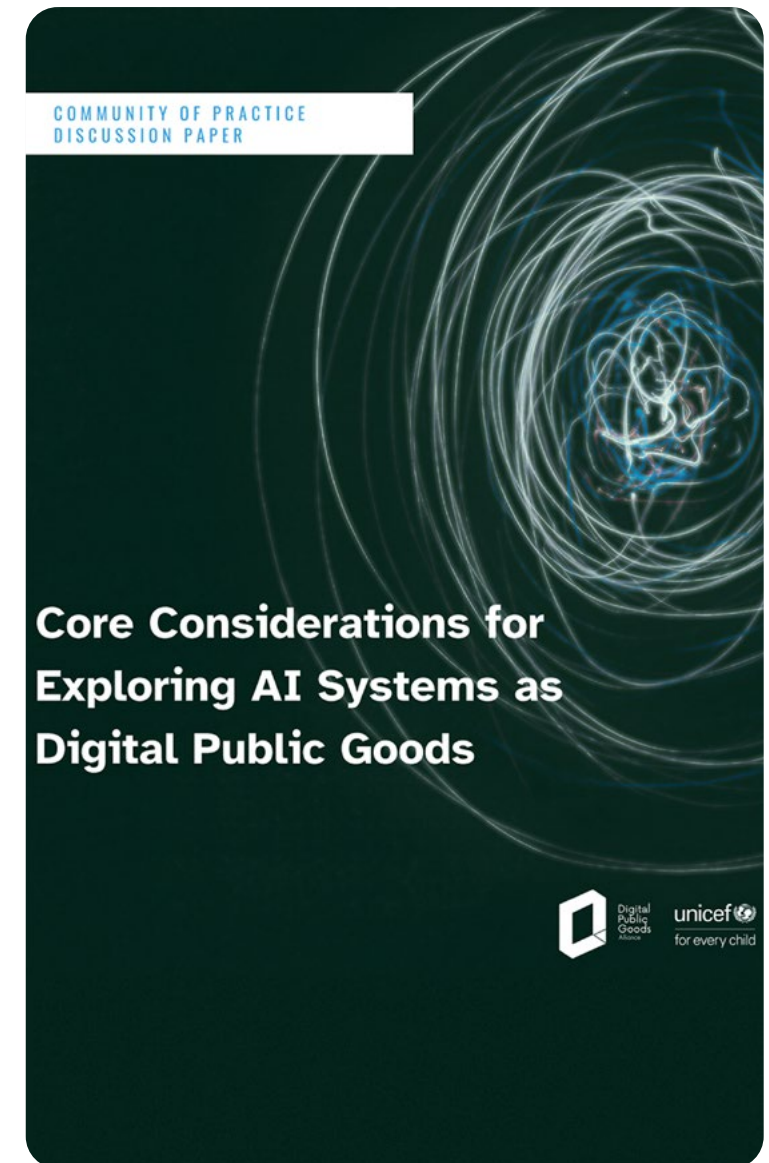

COMMUNITY OF PRACTICE DISCUSSION PAPER

Core Considerations for Exploring AI Systems as Digital Public Goods

IMAGE: Learn about the DPGA and UNICEF's CoP Final recommendations. digitalpublicgoods.net/CoP-AI-Recommendations.pdf.

DIGITAL PUBLIC GOODS FOR CLIMATE ACTION

The need for innovative, scalable solutions to address climate change was more evident than ever in 2024. With <u>over 20 DPGs</u> relevant to climate action, DPGs are not only shaping responses to climate issues but are demonstrating the crucial role they can play. Recognising this, 2024 was an opportunity for the DPGA Secretariat to build <u>**on previous work done**</u> on DPGs for climate action and help lay the foundation for 2025.

REBOOT THE EARTH

The DPGA Secretariat collaborated with DPGA members FAO, the UN Office of Information and Communications Technology, as well as Salesforce and the UN Youth Office on <u>**Reboot the Earth**</u>. This initiative was comprised of a series of global social coding events aimed at engaging youth in developing open-source solutions that could become DPGs to address climate issues.

Events were hosted in the USA, India, Ethiopia, and Morocco, and online. Participants were asked to build solutions tackling a diverse range of critical issues from drought forecasting, disaster resilience and response and much more. <u>Winners</u> later traveled to OSPOs for Good and the World Food Forum to present their solutions to a global audience and received 6 months of mentorship to help further evolve their ideas into solutions.

DPGS FOR CLIMATE IN BRAZIL

Partnering with Data Privacy Brazil, the DPGA Secretariat supported research that explored the intersection of DPGs, DPI, and climate policy in Brazil. The result was a <u>report</u> emphasising the role of DPGs in advancing Brazil's climate goals, showcasing how digital public infrastructure and an infrastructural or solutions-stacked approach can bridge the gap between decision-making and efficient and scalable digital solution implementation. The report included strategies for integrating DPGs into national and regional policy frameworks, facilitating enhanced climate action.

FOSTERING PRODUCE OWNER AND MEMBER COLLABORATION IN SINGAPORE

The DPGA's Annual Members Meeting hosted a dedicated track on DPGs for climate action, spotlighting initiatives from members like Creative Commons, Open Knowledge Foundation, and FAO. The event was also attended by climate-relevant DPG product owners including <u>**Hand-in-Hand Geospatial Platform**</u> ^{DPG} ✸, <u>**PRISM**</u> ^{DPG} ✸, <u>**GeoPrism Registry**</u> ^{DPG} ✸, <u>**Energy Access Explorer**</u> ^{DPG} ✸, and <u>**DiCRA**</u> ^{DPG} ✸. At the AMM, product owners shared how being recognised as a DPG helps to enhance the visibility and credibility of their solutions, which significantly helps boost adoption by government agencies and international organisations. Having DPG status has also helped strengthen collaboration, break down knowledge-sharing silos, and increase interoperability, allowing more effective climate action, especially in areas where the need for climate action overlaps with other sectors such as health and agriculture.

WHAT TO EXPECT IN 2025

While climate change impacts regions differently, the tools needed to take action are often alike . With this in mind, in 2025, the DPGA Secretariat will focus on how DPGs can be used as cost-effective and scalable solutions that can be adapted to meet contextual needs of different countries and stakeholders across a variety of regions. This includes looking at how existing tools, not necessarily designed for climate use cases, can be reused for climate action, to foster the transparency and collaboration needed to address climate change worldwide. To learn more, read about the relevant Call for Collaborative Action.

IMAGE: DPGA and Data Privacy report on the role of DPGs for Climate Action, learn more <u>here</u>.

CALLS FOR COLLABORATIVE ACTION

CALLS FOR COLLABORATIVE ACTION

DPGA Secretariat is excited to launch our first ever Calls for Collaborative Action.

The many conversations we have had over the last year with experts on topics such as DPI, climate action and public interest AI have made us realise, and underscore the fact that there is strong alignment on what needs to happen to make lasting change. However, multiple well-coordinated actions are often needed to really move the needle, and this can feel complex and overwhelming when each of us can only provide a piece of the puzzle.

This is where DPGs come in. They are inherently collaborative technologies. They can be jointly built; they allow others to build on top of them and adapt them, and they can also be supported collaboratively.

The four calls we are launching in this report were presented in initial versions at the DPGA Annual Members Meeting in Singapore in November 2024. The calls establish priority actions that

we hope will accelerate the achievement of the DPGA's strategic targets through collaboration on multiple well-aligned contributions. From the DPGA Secretariat's end, we will help by providing basic coordination functionalities, however the goal is for these actions to be driven as independently as possible.

Later in 2025, we will be launching a landing page on the DPGA's website where it will be possible to track progress on how each call is advancing, and where additional calls will be announced in the coming years.

We hope to see contributions from DPGA members, DPG product owners and other stakeholders that have a shared interest in using DPGs to advance development objectives and address urgent global challenges.

If you believe your organisation can contribute to one or more of the calls below, and you have not already signed up, please register your interest in advancing specific calls in this form. This will enable us to share further details and potential next steps that can be taken.

Now, let's collaborate!

01 OPEN-SOURCE FIRST POLICIES, PRINCIPLES AND FRAMEWORKS

02 OPEN DATA FOR PUBLIC INTEREST AI

03 DPG4DPI FINANCING

04 DPGS FOR CLIMATE ACTION

01

OPEN-SOURCE FIRST POLICIES, PRINCIPLES AND FRAMEWORKS

We call for **governments and organisations** to create, use, and support **open-source first policies, principles, and frameworks**, and to share them openly along with learnings and best practices on how to develop, adopt, and implement them.

PRIMARY GOALS

— Increase the development and adoption of new open-source policies and/or principles among governments in countries across diverse regions and at different stages of digital development, as well as among international organisations.

— Strengthen the implementation and active use of both new and existing open-source policies by governments and organisations, focusing on funding, procurement, licensing, and development.

WHY THIS

Having a structured institutional approach to open source, through policies and principles, can enable, accelerate, and improve the abilities of governments and organisations to discover, develop, use, and invest in digital public goods at scale.

WHY NOW

Increasingly, countries around the world and international organisations have recognised the value of open-source software and digital public goods, especially in regards to preserving digital sovereignty, reducing duplication, and enhancing transparency and interoperability. As digital public goods and open source become more ubiquitous, entities are also beginning to see the need for more structured approaches. These include open-source program offices (OSPOs) and open-source policies and principles, which allow them to better coordinate and accelerate their work. Additionally, these strategies help fulfill the commitments made in the Global Digital Compact regarding the use of digital public goods.

HOW TO SUPPORT

— Support country governments to create, adopt and implement open-source policies.

— Accelerate the adoption of open-source policies in and throughout the UN system.

— Strengthen the evidence base for adopting OS policies, for instance by sharing and initiating relevant research and case studies.

02

OPEN DATA FOR PUBLIC INTEREST AI

We call for DPGs that can **make identifying, preparing, sharing, and using higher-quality open training data easier,** particularly for the following use cases:

— Development of **language models** that address language gaps in **AI development.**

— Solutions for **public service delivery.**

— Research based **climate action** (monitoring, mitigation, adaptation).

PRIMARY GOALS

— Identify and create open-source tools and toolkits that can increase the availability of high-quality open training data for public interest AI.

— Increased cooperation, coordination and alignment between groups of stakeholders who are already working on open data for open-source AI.

— Demonstrate that public interest AI can be built in an open and transparent way, and strengthen and grow the community of stakeholders committed to advancing AI systems that meet the DPG Standard.

WHY THIS

The development of public interest AI, including AI systems as digital public goods, depends on the opportunity to train models on both existing and new high-quality openly licensed datasets. Many challenges exist that impede doing this at a larger scale, one of which is the resources required to produce and share open data in different geographical contexts. One way to address this challenge is by creating an adaptable and reusable toolkit that can be recommended to countries and stakeholders to facilitate the collection, extraction, processing, and preparation of data.

WHY NOW

Generative AI is advancing at break-neck speed, and the term "open-source AI" is often misused to describe systems that only have open weights but where there is no transparency and sharing of the data the system has been trained on. This lack of transparency poses a significant risk, as these systems are increasingly shaping our norms, values, understanding of reality, and access to information and services at the most fundamental level. It is urgent to overcome barriers to a more transparent and open way of building AI systems that serve the public interest. This includes reducing some of the main technical barriers to having more high-quality open training data.

HOW TO SUPPORT

— Identify the main technical barriers to unlocking more open training data for the priority use cases identified.

— Share existing open-source AI-development tools and suggest areas where new tools should be developed for addressing these barriers.

— Fund and/or develop promising toolkit approaches and open-source tools for the priority use cases.

— Identify and highlight examples of AI-systems that meet the DPG Standard.

— Advocate to policy-makers and funders that public interest AI systems can and should be built in an open and transparent way.

03

DPG4DPI FINANCING

We call for 250 million USD in financing so that DPGs that enable the implementation of safe, inclusive and interoperable digital public infrastructure can be supported until 2030.

PRIMARY GOALS

— Mobilise new financial commitments dedicated to supporting DPGs that are relevant for multiple countries, particularly emerging economies, in their implementation of safe, inclusive, and interoperable DPI.

— Identify and generate relevant research and case studies that document the cost-effectiveness and impact of financing DPGs as part of international development assistance for implementing DPI.

WHY THIS

DPGs are transformative for how countries can plan and implement safe, inclusive, and interoperable DPI while maintaining their digital sovereignty and strengthening their own capabilities. To ensure DPGs can be a viable and reliable alternative over time there must be more predictable and better coordinated financing available for core code development and stewardship.

WHY NOW

The Global Digital Compact, adopted by UN Member States in September 2024, demonstrates strong country demand for a future-oriented digital cooperation model enabled by digital public goods. This model will require more sustained financing to scale as a viable long-term alternative. Additionally, the GDC includes an explicit commitment to increase financing for digital public goods and digital public infrastructure.

HOW TO SUPPORT

— Provide financing for DPGs that can enable safe, inclusive, and interoperable DPI, particularly in emerging economies, and encourage other funders to do the same.

— Where possible, new financing commitments should be channeled into a dedicated financing instrument, allowing funders to pool their financing and improving coordination in how financing is allocated to DPGs.

— Strengthen the evidence base for financing DPGs that enable safe, inclusive, and interoperable DPI, for instance by sharing and initiating relevant research and case studies.

04

DPGs FOR CLIMATE ACTION

We call for **cost-effective and scalable DPGs** to help diverse groups of **stakeholders monitor, mitigate,** and **adapt to climate change** and **its impacts.**

THIS CALL INCLUDES DPGS THAT OPERATIONALISE THE FOLLOWING APPROACHES:

Reuse: Adopting DPGs that are commonly used in other sectors for climate action.

Multi-purpose: DPGs relevant for multiple purposes across climate change monitoring, mitigation, and adaptation efforts, including earth observation tools.

Configurability: DPGs part of climate-stack approaches, where different interoperable components can be used and configured to address multiple climate use cases.

Transparency: Open data and content DPGs that enhance and protect information integrity and strengthen science-based climate action, including as part of public interest AI.

Collaboration: DPGs that can serve as platforms for collaborative multi-stakeholder climate action, for instance to pool demand or financing, facilitate integrations or build on top of existing open solutions, or bring stakeholders together to accelerate impact.

PRIMARY GOALS

— Identify and highlight existing and potential DPGs that operationalise cost-effective and scalable approaches to climate action, including relevant research and case studies that explore and validate the benefits of implementing these DPGs.

— Identify gaps and grow the pipeline of future DPGs that operationalise these approaches.

WHY THIS

Climate change poses an existential threat to global ecosystems, economies, and communities, necessitating the deployment of innovative solutions that can scale rapidly and effectively. Furthermore, while climate change impacts every region differently, the fundamental tools required to address these challenges are often the same, negating the need to reinvent for each unique situation.

WHY NOW

As climate experts continue to present increasingly alarming predictions and analyses, the need to move swiftly to implement effective mitigation and adaptation measures is more critical than ever before. At the same time, major geopolitical shifts and changing political priorities are diverting attention and investment away from climate initiatives. This shift necessitates innovative approaches that are not locked-in to specific companies and countries, that can accomplish more with less, and that can ensure that meaningful climate action accelerates despite resourcing and political priority challenges.

HOW TO SUPPORT

— Strengthen the evidence base for the approaches listed in the call, or for complimentary additional cost-effective and scalable approaches, for instance by sharing and initiating relevant research and case studies on DPG-implementations.

— Share existing DPGs and other open-source solutions that operationalise these approaches.

— Fund and/or develop new DPGs that operationalise these approaches.

DPGA MEMBERS

DPGA MEMBER ACTIVITIES IN 2024

In 2024, the DPGA welcomed nine new members, which included three NGOs (Creative Commons, OpenForum Europe, and Open Future), four national governments (Dominican Republic, Malawi, Singapore, and Uruguay), and two multilateral organisations (Asian Development Bank and UN Women), bringing the total number of DPGA members to 45 organisations at the end of last year.

DPGA members around the world are leading activities that significantly impact the discovery, development, use of, and investment in digital public goods. Whether it's configuring DPGs to address gender equality challenges like child marriage, developing internal DPG policies that make the adoption and use of open-source solutions standard practice, or integrating DPGs as part of countries' digital public infrastructure, this year we saw DPGA members pushing boundaries to deliver better outcomes for the communities they serve.

Equally important as the accomplishments is the approach taken to achieve them. Creating collaboration and cooperation across members is a core tenet of the DPGA. In 2024, our members worked together to achieve their goals, with 60% of the roadmap activities, which are used to indicate a DPGA member's commitment to advancing DPGs, being submitted in partnership with other members.

The collaboration between members was also on display at this year's Annual Members Meeting, which brought together 189 individuals in Singapore for three days of conversations, presentations, and panels on the most important topics to DPGA members and the broader DPG Ecosystem. For this gathering, members co-created the agenda by submitting 39 collaborative session proposals and facilitating parallel tracks on topics including AI, climate change, sustainability, and privacy. It was described as "an inspiring gathering of innovators, developers, and advocates working to create a thriving ecosystem for digital public goods." The event was hosted by the Government of Singapore, which engaged ASEAN countries in the meeting and showcased a number of inspiring DPGs created by Singapore's Open Government Products.

The following section details in more depth the unique actions DPGA members undertook in 2024 to advance digital public goods. In 2025, the DPGA Secretariat aims to foster even more regional and international cooperation, while continuing to align, accelerate, and support the activities of our members to advance digital public goods.

IMAGE: 2024 DPGA Annual Members Meeting group photo. Photo Credit: Derrick Ng Jun Peng.

ASIAN DEVELOPMENT BANK

📁 **Type** ǀ Multilateral

★ **DPGA Member Since** ǀ December 2024

The **Asian Development Bank (ADB)** plays a pivotal role in fostering sustainable development and economic growth across Asia and the Pacific. Through a diverse portfolio of initiatives, ADB delivers impactful solutions via public and private sector operations, advisory services, and knowledge-sharing. Its strategic priorities include advancing climate resilience, empowering communities, driving digital transformation, strengthening regional cooperation, and promoting public goods to ensure lasting benefits for its member countries.

ADB ASIAN DEVELOPMENT BANK

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ADB DIGITAL PRODUCTS: DPG REGISTRY AND DPGS DEVELOPMENT

Upon becoming a member of the DPGA in 2024, the Asian Development Bank started to assess existing, underdevelopment and planned ADB digital products to determine which products could apply to be digital public goods. The process involves evaluating their compliance with the DPG Standard, including open licenses and adherence to open standards, as well as consulting relevant stakeholders and documenting findings. This process leads to recommended actions for evolving the products into DPGs and submitting them to the DPG Registry for formal recognition in 2025.
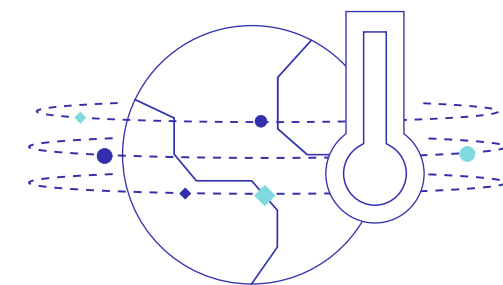
INTERNAL DPG POLICY

ADB began developing an internal DPG policy through research and benchmarking of global DPG frameworks and best practices. They will conduct stakeholder consultations and incorporate insights from ADB member countries to guide the formulation of policy guidelines. This will help establish criteria, governance standards, and recommendations for DPG development, data privacy, cybersecurity, amongst other elements. Additionally, monitoring frameworks are being developed to evaluate the impact, scalability, and sustainability of the organization's DPGs.

ADB'S AI FRAMEWORK AS A DPG

ADB is actively working to make its AI framework and associated tools openly accessible and freely available to the public. By aligning with the principles of open standards, open data, and open source, this effort promotes transparency, fosters collaboration, and drives innovation across diverse sectors by leveraging ADB's advanced AI capabilities.

DPG ADVOCACY FOR CLIMATE ACTION

ADB is advocating for climate action in Asia with digital public goods. By raising awareness among staff about DPGs' accessibility, cost-effectiveness, and innovative potential, ADB aims to further invest in initiatives that are using DPGs for climate action, such as real-time data and tools for managing climate risks and sustainable practices.

GOVERNMENT OF BANGLADESH

■ **Type** ｜ Government
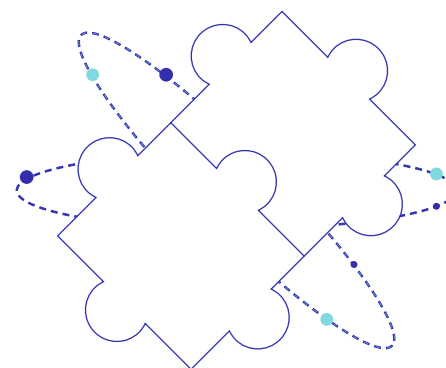
★ **DPGA Member Since** ｜ September 2022

The **Government of Bangladesh** has been a DPGA member since 2022 they participate in the 50-in-5 campaign and actively engages other countries through the South-South cooperation network.

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ADVOCATING FOR DPGS AND COLLABORATION VIA SOUTH-SOUTH NETWORK

The Government of Bangladesh continued to leverage the South-South Network for Public Service Innovation (SSN4PSI), a collaborative platform for governments, private sector organisations, experts and academics to exchange knowledge, experiences, and expertise on public service innovation. SSNP4SI utilizes South-South and triangular cooperation approaches to empower southern countries to learn from and support one another to identify vital innovations and scale up digital solutions for public service challenges. Reflecting the unique value of DPGs, the South-South model emphasises local adaptability and advocates for DPGs.

DEVELOP AND TRANSFORM SOFTWARE TO ALIGN WITH THE DPG STANDARD

Bangladesh's ongoing effort to advance digital public goods focused on both developing new software and transforming existing ones to meet the DPG Standard. The Grievance Redress System (GRS), DPG Doptor DPG, NiSE3 Skills and Certification, DPG and ekShop Marketplace DPG are four DPGs helping to make an impact in their respective domains. In 2025 Bangladesh aims to certify more products as DPGs, with a focus on products used for digital public infrastructure.

DPG CONSUMPTION

To foster the widespread use of DPGs in Bangladesh to improve public services the government is adopting X-Road DPG for secure data exchange, FormSG DPG for creating secure digital forms, and Sunbird RC DPG for secure, decentralized digital identities. These DPGs are being integrated with mygov, Doptor, DPG and Nothi systems.

GATES FOUNDATION

🏷 **Type** ⏐ NGO/CSO

★ **DPGA Member Since** ⏐ June 2022

Gates Foundation is a nonprofit foundation working to fight poverty, disease, and inequity around the world. Their main areas of focus include global health, global development, education, and gender equality.

Gates Foundation

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

SUPPORT FOR HEALTH DPGS, GLOBAL GOODS VIA DIGITAL SQUARE

As part of the Gates Foundation's commitment to reduce inequities in health, the Foundation provided core funding for Digital Square, a PATH-led initiative, and DPGA member, that works with ministries of health to align adaptable, interoperable digital technologies with local health needs and brings partners together to improve how the global community designs, uses, and pays for digital health tools and approaches. Digital Square has catalysed a range of digital health investments, including the development and maturation of global goods (mature DPGs for health) that are readily adaptable at scale. These global goods are used in more than 130 countries and showcased in Digital Square's Global Goods Guidebook. Visit Digital Square's section of this report to learn about the impact of Gate's funding in 2024.

ADVANCING SAFE, INCLUSIVE AND INTEROPERABLE DPI

Gates Foundation works to encourage and equip low- and middle-income countries to adopt safe and inclusive digital public infrastructure to advance the Sustainable Development Goals.

In 2024 they worked in collaboration with the World Bank to support their Identification for Development (ID4D) and Digitalising G2P Payments (G2Px) initiatives. These initiatives use global knowledge and expertise across sectors to help countries to implement digital identification systems and government to person payments. Through this work, the World Bank has supported over 60 countries to issue more inclusive, secure, and user-centered digital IDs to 550 million people.

SUPPORT DPGS FOR DPI VIA CO-DEVELOP FUND AND 50-IN-5

In 2024, the Gates Foundation indirectly and directly supported DPGs such as Mifos ᴰᴾᴳ ✿, Mojaloop ᴰᴾᴳ ✿, MOSIP ᴰᴾᴳ ✿, OpenCVRS ᴰᴾᴳ ✿, OpenSPP ᴰᴾᴳ ✿ and OpenG2P ᴰᴾᴳ ✿ or DHIS2 ᴰᴾᴳ ✿ with funding. Through Co-Develop, the Foundation actively supports DPG for DPI efforts in low- and middle-income countries.

The Gates Foundation is involved in the 50-in-5 campaign, which aims to encourage 50 countries to build inclusive, safe and equitable DPI within the next 5 years. In addition to providing funding to support the campaign, the Gates Foundation is also involved in advocacy and communications efforts, such as co-creating DPGs Decoded which helps showcase how DPGs can be used for DPI.

FEDERAL MINISTRY FOR ECONOMIC COOPERATION AND DEVELOPMENT

■ **Type** | Government
★ **DPGA Member Since** | August 2021

The **Federal Ministry for Economic Cooperation and Development (BMZ)** coordinates German development cooperation. BMZ encourages economic development within Germany and abroad through partnerships that promote sustainable digital transformation that conserves resources, combats hunger and poverty, helps prevent and mitigate pandemics and supports women, girls and disadvantaged groups.

Federal Ministry
for Economic Cooperation
and Development

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

BMZ focuses on the potential of digitalisation and data to reduce poverty and hunger, as well as on international regulations and capacity building to ensure digital technologies benefit all – while minimising risks. BMZ also serves on the DPGA's governance board.

GOVSTACK

The GovStack Initiative, launched by BMZ in partnership with Estonia, ITU and the Digital Impact Alliance, aims to build a common understanding and technical practice on fundamental reusable and interoperable digital components for e-government services. GovStack supports governments by offering a blueprint for digital services and sharing elements from building blocks to use cases. Its open-source community aims to establish a global toolkit for the digitalisation of public sector infrastructure. Apart from the GovStack Sandbox, capacity building through GovLearn, and GovMarket connecting governments with service providers using common standards like GovSpecs. New specifications are being developed, including eID and Wallet. During the 2024 architect training, 212 participants from 49 countries enhanced their skills and deepened their knowledge while designing, prototyping, and implementing GovStack-compliant services, preparing them to drive impactful digital public infrastructure solutions. Throughout the year, 15 software solutions underwent the compliance test successfully and are now listed on GovMarket, next to GovStack experienced freelancers and service providers.

FAIR FORWARD ARTIFICIAL INTELLIGENCE FOR ALL

FAIR Forward is a German development cooperation initiative to promote the open and sustainable use of artificial intelligence, and forms part of the German government's AI strategy. FAIR Forward supports open creation and responsible usage of artificial intelligence training data, models, and applications for government services and in the areas of agriculture, climate protection and citizen participation. For example, FAIR Forward creates language AI as digital public goods to reach up to 600 million first language speakers, including in Kiswahili, Kinyarwanda, Balinese, or Telugu, with partners like Mozilla, the Indian Institute of Science or Kenyan Maseno University. The initiative also creates open datasets and models to check crop health, predict yields and monitor weather patterns – together with partners like Wadhwani AI in India, Common Room in Indonesia, and the Local Development Research Institute in Kenya.

Generally speaking, by providing AI tools as DPGs and open online training (OER), FAIR Forward supports enabling environments and building blocks for fostering local innovation with AI that serves the public benefit in Africa and Asia. Colleagues at FAIR Forward actively contributed to the DPGA's Community of Practice on AI to help inform how the DPG Standard can evolve to better assess AI systems seeking DPG recognition.

SUPPORT FOR openIMIS DPG✿

BMZ, the Swiss Development Cooperation and the EU, jointly founded and are financing the openIMIS initiative which promotes global exchange around the **openIMIS**, software and links global and local communities to their mutual benefit. OpenIMIS is an interoperable, versatile open-source software which supports the administration of health financing and social protection schemes. It is designed to manage the complex, high-volume data flows which are required to operate such schemes by seamlessly integrating beneficiary, provider and payer data. In 2024, the global openIMIS initiative continued to successfully grow its community through community meetings and the Stakeholder Conference, which was attended by representatives from more than 20 bi- and multilateral organisations including the above, additionally ADB, DATAPREV (Brazil), EU Delegations, Expertise France, JICA, USAID, WHO, PATH and more. This progress reflects the strategic partnership between bilateral implementing agencies, donors and international organisations working closely together in the area of digitalisation, health and social protection.

SUPPORT FOR SORMAS DPG✿

SORMAS DPG✿, is an open-source mobile and web-based eHealth software designed to streamline disease control, outbreak management, surveillance, and epidemiological analysis across all levels of public health administration. BMZ commissioned GIZ to support SORMAS conditional upon the transition of SORMAS from a proprietary to an open-source software platform, in line with Germany's strong commitments to the Principles for Digital Development and the Principles of Donor Alignment for Digital Health. Initial developments are also in
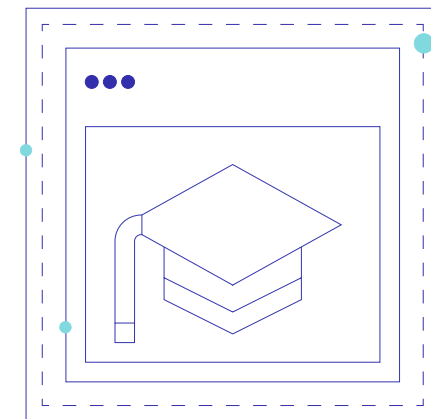
progress to integrate interfaces and specific use cases in the areas of One Health (environmental data) and vaccine logistics. BMZ continues to support the SORMAS Foundation by enhancing the SORMAS Community of Practice (CoP) and ecosystem, stimulating discussion and exchange within the CoP to drive implementation and development. In addition, BMZ strengthens the capacity of ministries of health, specialised public health agencies in LMICs, and regional organisations to adopt and implement SORMAS as a surveillance and outbreak management tool. In 2024, Bolivia successfully piloted SORMAS in one region.

SUPPORTING ONLINE COURSES FOR FEMALE ENTREPRENEURS

atingi is BMZ's digital learning platform. It is a free online learning platform that provides courses and certificates and will be the GIZ standard solution for digital learning in German development cooperation starting from 2026. Using open-source tools to encourage collaboration, innovation, and easy publication, atingi is in the process of setting up a content repository of selected programmes designed for users across the globe to access, re-use and adapt courses to customise it to their local needs. The repository is powered by MoodleNet, a platform for curating and sharing educational resources and ensures the atingi Open Educational Resources (OER) repository is not only content, but also fosters a community of shared knowledge.

SUPPORT FOR INATRACE

With INATrace, BMZ is promoting the development of an open-source solution for the traceability of agricultural commodities that covers the entire path from production to the end product. INATrace aims to enhance the economic standing of smallholder farmers and producer organisations through improved traceability, data sovereignty, fair payment practices, and ensuring deforestation-free production. In addition to the desktop version, which serves as a commodity management system, the mobile INATrace app, developed in 2024, enables the collection of polygon data in accordance with EUDR requirements and offers analysis options using deforestation risk maps. By providing an open-source application, INATrace eliminates the need to constantly redevelop traceability systems, thereby increasing efficiency and sustainability across supply chains.

DPG SPOTLIGHT
openIMIS

A tool to manage health financing and social protection programs.

openIMIS

While countries everywhere work to provide health coverage and social protection to their population, the reality is that many face significant challenges. These challenges mainly arise from the need to manage complex business processes related to registration, claims management, payments and grievance redressals, amongst many others.

These issues affect millions of people worldwide and are hindering access to benefits and leaving individuals vulnerable to common life risks such as illness and long-term disability. They also impede the governments' ability to effectively respond to unexpected crises like natural disasters and pandemics.

Although the challenges vary across contexts, the dependency on fragmented data systems and the need to develop sustainable technology for managing complex processes are common. Identifying eligible citizens for specific programs is often difficult and contributes to the ineffective distribution of health and social protection services. At the operational level, social protection programs are not able to provide payments to citizens and insurance providers often struggle to keep up with unclear paper claims.

openIMIS was created to empower health and social protection program managers, insurance administrators, and other stakeholders by streamlining social protection processes through integrating beneficiary, provider, and payer data on a single open-source platform.

The solution originated in 2012 as a customisable solution for managing district-based community health funds in Tanzania. Since then it has rapidly evolved and currently there are 23 private sector developer teams from 19 countries working on implementations at different stages in more than 21 countries.

openIMIS was established in 2016 with support from the German Development Cooperation and The Swiss Agency for Development Cooperation, later developing as an integrated and modular open-source software. Since 2016, Nepal's Health Insurance Board has used the software to manage the country's National Social Health Insurance scheme. In 2023, the **openIMIS** initiative and the World Bank agreed to merge functionalities from the CORE-MIS platform into **openIMIS**, allowing it to better serve different social protection use cases and

incorporate modular functionalities, powering various solutions for social health insurance, cash transfers, accident insurance, voucher schemes, and beneficiary management systems (eg. social registries).

The tool's interoperable design allows integration with DPI systems, enabling implementations to utilise shared standardisation processes. This can include OpenHIE, GovStack, the Digital Convergence Initiative specifications, adhering to the FHIR standard, or interoperating with other information systems like **DHIS2** DPG 🟦 and **OpenMRS** DPG 🟦. The European Commission acknowledged **openIMIS'** contribution to developing and implementing international standards in social protection and supported it by co-financing the global initiative from 2024.

As the solution evolves, it seeks collaboration with partners committed to the digital transformation of health and social protection systems, with the goal of reducing poverty and inequality. The solution's future is being shaped by its engaged **community of developers and users**, who identify new challenges and contribute to improving its features.

CREATIVE COMMONS

■ **Type** | NGO/CSO

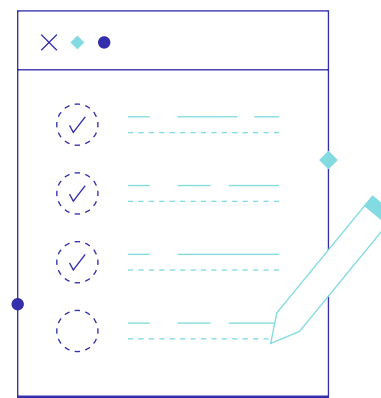★ **DPGA Member Since** | March 2024

Creative Commons (CC) is an international nonprofit organisation that empowers people to grow and sustain the thriving commons of shared knowledge and culture we need to address the world's most pressing challenges and create a brighter future for all. Together with an extensive member network and multiple partners, they help to build capacity, develop practical solutions, and advocate for better open sharing of knowledge and culture that serves the public interest. As part of this work, CC helps overcome legal obstacles to the sharing of knowledge and creativity to address the world's most pressing challenges. See **CC's** 2025-2028 strategy to learn more.

cc **creative commons**

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

INTERNATIONAL CREATIVE COMMONS LICENSES AND PUBLIC DOMAIN TOOL

The CC licenses and public domain (PD) tools are not only used by many DPGs but help facilitate open access to educational resources, research, data, cultural works, AI algorithms and models. Creative Commons Legal Tools provide a free, simple, and standardised way to grant copyright permissions, ensure proper attribution and enable others to copy, distribute, and make use of open solutions.

COMMONS TRAINING AND CONSULTING

To solve shared global challenges, Creative Commons believes that the knowledge and culture about these challenges must be open. To help achieve this, Creative Commons offers a variety of training, including regular CC Certificate courses (in-depth courses for people interested in becoming experts in creating and engaging with openly licensed works), office hours with their legal team, as well as customised consulting and facilitation. See CC's Learning and Training 2024 year in review.

PROGRAMS IN OPEN EDUCATION, OPEN SCIENCE, OPEN CULTURE

In addition to stewarding the open licenses the world uses to share, Creative Commons operates multiple programs including: **Open Education**, **Open Science**, and **Open Culture**. Please see these "year in review" updates to see what happened in 2024:

— **CC Open Education Year in Review**.

— **CC Open Science Year in Review**.

— **CC Open Culture Year in Review**.

DPG SPOTLIGHT
DRUPAL

A content management system powering digital experiences across government, higher-ed, non-profit, and other sectors.

Drupal™

Establishing an online presence is crucial in almost every aspect of our lives today. The internet has irrevocably changed the way we drive progress on a number of domains - from education, to business and economic growth, innovation, and finding new collaborations - and how one's work is accessed online.

Despite the widespread adoption and use of digital tools- finding the right tool is hard. Beyond form and function, there are other important considerations, including cost, ecosystem of support, long term sustainability, the tool's roadmap, data sovereignty and proprietary control.

Drupal is a free and open-source content management system (CMS) that allows individuals and organisations to easily build diverse types of digital experiences, such as online databases, commerce sites and websites.

Drupal was created with the goal of building a platform the open-source community could use to build and manage websites while allowing a high degree of flexibility and functionality in order to create and host everything from simple blogs, to complex web portals and e-commerce platforms. It helps implement and deploy a wide range of websites and applications across various sectors and its built-in support system provides each user with the ability to navigate the barriers.

Drupal is widely used for public and private sector applications, especially government, higher-ed, and non-profit/NGOs. It supports SDG 14 - Peace, Justice, and Strong Institutions in its wide adoption across entities like the United Nations, the Australian Government, the European Commission, and many more. SDG 4 – Quality Education, is demonstrated by how Drupal has become the backbone of many universities' online presence for student engagement and empowerment, as well as by direct Drupal Association programs to foster education for people making a career transition into a technology. This also supports SDG 8 – Decent Work and Economic Growth, and SDG 10, Reduced Inequalities, as Drupal's ability to be executed remotely helps level the playing field across underprivileged countries and markets. And by including and empowering representatives of different social and regional contributors Drupal helps diversity in the advancement of SDG 9: Industry, Innovation, and Infrastructure.

Drupal has been supported by over 100,000 contributors, which has helped enable use by over 1.3 million users.

As an open-source project with robust multilingual support and a global community of contributors, it is accessible to anyone, without licensing fees. Users have full control over their data, as there is no requirement to store it in a central database managed by any company or organisation.

Drupal's governance structure is grounded in open-source practice and principles. The Drupal community is founded on values and principles, a code of conduct, and a collaborative governance model between project leadership, volunteer and sponsored contributors, as well as the nonprofit Drupal Association. The Drupal Association provides critical infrastructure for project testing, delivering updates, and facilitating collaboration, as well as organising events and tackling issues like marketing and financial sustainability - making it a model that many other DPGs can look to when exploring governance and scaling.

The tool's community supports its development, offering an alternate path forward for individuals and institutions to own their digital voices, and create free venues, civic engagement, entrepreneurship, which is critical given the rising dependencies on proprietary web platforms.

DATA.ORG

🏷 **Type** ∣ NGO/CSO
★ **DPGA Member Since** ∣ March 2024

data.org is a global organisation that convenes and coordinates efforts across various sectors to support and advance visionary—yet practical—solutions thatto drive impact, through data. data.org serves as a platform for partnerships committed to engaging thinkers, doers, funders, researchers, and capacity builders , and dreamers to work together to build the field of data for social impact.

data.org

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

CLIMATE DATA FOR ACTION: BUILDING CAPACITY AND TOOLS FOR CLIMATE RESILIENCE

This initiative encompasses various efforts aimed at leveraging climate data to inform decision-making and build resilience, particularly in low- and middle-income countries. It focuses on developing digital public goods, enhancing data accessibility, and building local expertise in climate data analysis through:

— The Climateverse Program: seeks to integrate climate data into health decision-making, including the development of open-source resources, tools, and cloud-based infrastructure for local modeling.

— The Climate Data Guide: information on climate datasets.

— Community-based capacity building to integrate local knowledge with global data science practices and improve data collection in Indigenous communities.

— Coordination of climate data services by data.org to provide practical strategies for stakeholders in public health, urban policy, and global climate science.

These activities are designed to promote interdisciplinary collaboration, and scale -proven solutions, and empower local communities to address the challenges of climate change.

EPIVERSE-TRACE DPG DEVELOPMENT

The Epiverse TRACE initiative focuses on building a high-quality, open-source, and transparent analytics toolkit. This effort helps to inform professionals working on epidemic responserespons ande, aimisng to increase the use of epidemiological data-analytics tools by field epidemiologists, ministries of health, researchers, and decision-makers to improve the reproducibility and scalability of epidemic response. The project emphasises community-driven software development, with a focus on user needs. Key principles include software development and training materials as co-creation, lean and agile collaboration, decentralising code ownership, code reviews, documentation and how they can be, being part of the digital public goods landscape, and community health. Epiverse TRACE also prioritises the integration of existing tools over developing new ones and uses open-source, liberal licenses for their tools. data.org is developing a suite of open-source R packages and training materials for outbreak analytics and aims to build upon open data standards and develop interoperability with existing data resources within the public health and data science ecosystem.

DIGITAL IMPACT ALLIANCE

■ **Type** ∣ Multilateral

★ **DPGA Member Since** ∣ April 2023

The **Digital Impact Alliance (DIAL)** is helping to drive people-centered digital transformation that connects governments, funders, and development actors with the essential insights, knowledge, and tools needed to advance positive, sustainable, and inclusive digital transformation.

digital impact alliance

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DIGITAL IMPACT EXCHANGE COLLABORATIONS

DIAL is the developer of the open-source **Digital Impact Exchange** ᴰᴾᴳ ✿ which became a digital public good in 2024. The Digital Impact Exchange enables digital change-makers to connect, collaborate and exchange tools, knowledge and best practices in the collective pursuit of the Sustainable development goals. This platform was created to help simplify the discovery and evaluation of digital solutions including DPGs. The DIAL team developed functionality within the Exchange that allows organisations to develop their own custom versions of the Exchange.
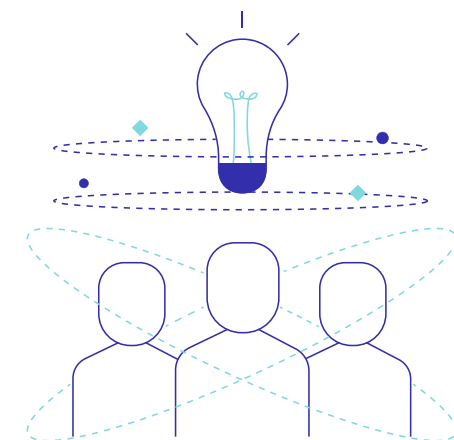
In 2024 the DIAL team established partnerships with Africa Centres for Disease Control and Prevention (Africa CDC), the Food and Agriculture Organization of the UN (FAO) to create platforms showcasing tools specific to digital transformations. It serves as a comprehensive resource that links use cases across many sectors to solutions that can be used.

In 2025, DIAL is partnering with UNICC to use the Digital Impact Exchange platform to power the UN Open Source United Portal (OSUP). This portal will be used to showcase open-source innovations across the UN ecosystem and is scheduled to launch in early 2025.

GOVSTACK SUPPORT

Please see the general description of GovStack listed under "the German Federal Ministry for Economic Cooperation and Development".

As founders of the GovStack initiative, DIAL is working with stakeholders that are seeking specific solutions to show which DPGs are aligned with GovStack specifications. In 2024, DIAL worked with IT ministries and provided resources and guidance on how to use GovStack specifications as they build out digital public infrastructure and data exchange systems.

GOVERNMENT OF THE DOMINICAN REPUBLIC

- **Type** | Government
- **DPGA Member Since** | June 2024

The **Dominican Republic's Ministry of Public Administration** (MAP) oversees public employment, institutional strengthening, public innovation and digital government transformation. Its key roles are professionalising public administration, modernising human resource management, designing and reforming administrative structures, and enhancing the efficiency and quality of public service through management models and performance evaluations, following an open-source first policy.

GOBIERNO DE LA
REPÚBLICA DOMINICANA

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

SHARING ECONOMY, PLANNING AND DEVELOPMENT SECTOR DATA

As an active member of the DPGA, the Government of The Dominican Republic aims to make 90% of datasets available as DPGs by designing and developing a solid and coherent data structure that enables the efficient organisation and classification of information related to the planning and development sector. Defining the data structure by following open standards will ensure the consistency and integrity of the stored information and the ability to share the open datasets as DPGs. Conceptual and logical data models will be created to ensure interoperability and scalability.

DPGS FOR NATIONAL DATA INFRASTRUCTURE

EPDS-Data Infrastructure Develop aims to create a data exchange hub for social, economic, geospatial, and demographic data generated by the ministry and its dependent agencies. The platform seeks to enhance efficiency, transparency, and evidence-based decision-making across various government agencies, advancing national development and achieving the UN's Sustainable Development Goals. It involves implementing and customising multiple DPGs to integrate and consolidate data from diverse sources across the public administration, to ensure secure data management, including data registration, collection, structuring, publication, reuse, and exchange.

ECONOMY, PLANNING AND DEVELOPMENT SECTOR DATA ARCHITECTURE DESIGN

The Government of The Dominican Republic focuses on designing the data architecture necessary to manage economic planning and development sector information efficiently and securely at the national level. This involves analysing the requirements, developing a detailed plan that includes components such as information sources and databases, defining standards for the structuring of information, such as GIS for geospatial data and SDMX for statistical data, security measures based on ISO/ IEC 27001, interoperability based on OpenAPI specifications, establish policies and procedures for its management and, finally, implement this architecture as planned.

50-IN-5 CAMPAIGN

The Dominican Republic joined the 50-in-5 campaign in 2023 and continued to actively participate in learnings and best practice exchanges throughout 2024, which included sharing insights on the role of open source to advance DPI. At the September 2024 50-in-5 campaign milestone event, "DPI for People and Planet", in New York City, Armando J. Manzueta Peña, Vice Minister of Public Innovation and Technology of the Dominican Republic, participated in a discussion with Miguel Porrúa, Coordinator of the Data and Digital Government Cluster at the Inter-American Development Bank, and shared lessons learned on using DPGs4DPI.

EGOV FOUNDATION

■ **Type** | NGO/ CSO
★ **DPGA Member Since** | December 2021

eGov is an India-based technology-for-good organisation that is dedicated to ensuring citizens have access to timely, efficient, and effective public services. Over the past 20 years, they have been working as a catalyst for digital transformation in more than 10 countries and 16 sub-national governments, impacting the lives of around 2 billion citizens through public services.

egov.
FOUNDATION

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

SUPPORTING DIGIT

DIGIT DPG ✹ (Digital Infrastructure for Governance, Inclusion & Transformation) is an open-source, configurable, extendable and modular, digital infrastructure that enables local governments to deliver municipal services to citizens in an efficient, inclusive, and transparent manner. The solution is developed by the eGov Foundation and has been listed on the DPG Registry since 2022. In 2024 major highlights for the platform include:

— Integrating key features like masters, online payments, and a dashboard into the mGramSeva app (the citizen and municipal employee interface) to improve self-service, visibility, and real-time fiscal management.

— Facilitate the scale of the MUKTA Urban Employment Guarantee Scheme in the state of Odisha by developing new features that reduce administrative effort and expedite benefits delivery to beneficiaries. MUKTA soft platform is a customisation of DIGIT's works management platform.

— Enhancements in the DIGIT sanitation platform to capture transactional data on sanitation workers' services, helping identify the percentage of services adhering to safe practices to ensure safety and dignity.

— Developed treatment quality monitoring of waste treatment plants to schedule regular tests of treated waste and ensure standards compliance.

CENTRES OF EXCELLENCE TO BUILD CAPACITIES FOR DPG AND DPI ADOPTION

eGov is helping to establish a network of Centres of Excellence (CoEs) to strengthen governments' capacities in designing, implementing, and governing DPI within their countries. As the CoE initiative expands, teaching material and pedagogy is getting refined, and the initiative will work alongside the broader ecosystem to further expand the network to additional regions and make programmatic and strategic capacity building for DPI more accessible. This approach aims to foster knowledge networks and ensure that DPGs are effectively integrated and supported, with a focus on the development, deployment, localisation, scaling, and long-term sustainability of solutions, including DPGs and sector-specific solutions for DPI. In June 2024, these efforts culminated in the launch of the first of what is intended to be a network of Centres of Excellence in the form of the DPI Academy.

OTHER KEY INITIATIVES BY EGOV IN 2024

— Health Campaign Management (HCM, powered by DIGIT) which went live in 2023 has expanded to 9 campaigns across 4 countries, impacting 14.5 mn beneficiaries since launch. In addition, **The Health Campaign Management (HCM) workshop**, organised by The eGov Academy, brought together 38+ participants from Africa, including government officials and NGOs to collaborate on scalable public health solutions. This workshop exemplified how partnerships can drive local capacity for public health transformation.

— Urban - National Urban Digital Mission (NUDM) bootstrapped with seconded capacity to transform public service delivery using DPI across all 4000 cities in India, making DIGIT the default platform for local governance in India, known as UPYOG.

— Water - In partnership with NIC, we introduced a platform to support the Jal Jeevan Mission (JJM), providing sustainable rural drinking water solutions. Powered by DIGIT, it streamlines billing, collections, and expense management, with Assam as the first adopter.

— Public Finance - MUKTASoft, powered by DIGIT, improved urban livelihoods in Odisha by reducing payment times to daily wage earners by over 90%, from 35 days to just 3.5 days, impacting 25 Urban Local Bodies.

— Justice - PUCAR (Public Collective for Avoidance and Resolution of Dispute) developed DRISTI, a digital public good on the DIGIT platform, to expedite dispute resolution and make justice more accessible. Launched as Kerala's 24x7 Online Court System, it modernises justice delivery and improves legal accessibility.

IMAGE: Courtesy of eGOV Foundation.

IMAGE: Courtesy of eGOV Foundation.

EKSTEP FOUNDATION

■ **Type** | NGO/ CSO

★ **DPGA Member Since** | August 2023

The **EkStep Foundation** is a non-for-profit foundation that aims to champion ecosystems building digital public goods to deliver large scale impact for people. The EkStep Foundation is also a member of the DPGA Governance Board, a strategic decision-making and oversight body for the DPGA Secretariat.

EkStep

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

COSS: EMPOWERING SOCIETIES THROUGH DIGITAL TRANSFORMATION

In 2024, EkStep partnered with the International Institute of Information Technology, Bangalore (IIIT-B) to establish the Center for Open Societal Systems (COSS). COSS aims to drive global, inclusive, and sustained societal transformation by enabling countries to develop their DPI and fostering the adoption of DPGs for large-scale impact. Since its inception, COSS is involved in several initiatives:

— OpenAgriNet (OAN), a global coalition that supports countries in transforming agriculture through DPI for smarter, more resilient systems.

— The AI4X project, in collaboration with Bhashini (India's National Language Translation Mission), aims to transform India's language technology ecosystem by addressing linguistic resource gaps and fostering inclusive digital access.

— Sunbird is actively used in Indian government initiatives, with new AI-powered blocks like Gen-AI assistants adopted by public and private sectors for information discovery.

— Other projects include upskilling initiatives in Morocco, verifiable credentials for Brazil, and digital education programs in Papua New Guinea.

ONEST ACCELERATING EMPLOYMENT AND SKILLING TRANSFORMATION VIA OPEN NETWORKS

The Open Network for Employment & Skilling Transformation (ONEST), incubated by EkStep, aims to unlock trusted and timely discovery of demand to enable the needs and aspirations of 500 million+ young Indians in the context of learning and earning.

In 2024, ONEST, initially launched as a pilot, has expanded to over 30 ecosystem partners working on active use cases in employment, skilling, and financial aid. In 2025, ONEST aims to expand further with a wider ecosystem, finding economic opportunities in surfacing, fulfilling the learning and earning needs of young India who form the country's demographic dividend.

ONEST is reusing existing DPGs wherever applicable and will also result in new DPGs which accelerate this evolution.

AI FOR INCLUSION: BRIDGING THE INFORMATION DIVIDE AND IMPROVING LANGUAGE FLUENCY

In today's interconnected world, basic skills like reading, speaking, and math are essential for progress, yet millions lack literacy in their local languages, creating barriers to accessing vital information and achieving prosperity. The Assisted Language and Math Learning (AXL) initiative, a philanthropic effort by the EkStep Foundation, addresses this challenge by enabling fluent reading, and foundational math skills. AXL leverages AI-assisted tools, Language AI technologies, and DPGs like Sunbird to create stress-free programs for deliberate language and math practice. Targeted at learners above grade 3 (age 8), AXL empowers institutions, boards, and nonprofits to launch their own initiatives.

In 2024, AXL programs were adopted in three Indian states and by multiple nonprofits. Moving forward, the initiative aims to enhance learning efficiency, depth, and cost-effectiveness through AI-driven improvements, driving greater impact in education.

ACCELERATING DPI ADOPTION

In 2024, EkStep partnered with CDPI on the 'DPI as a Packaged Solution' (DaaS) initiative to help countries implement DPIs rapidly by using DPGs. EkStep also formed strategic partnerships with AWS and Google Cloud to accelerate global DPI adoption. As part of this effort, EkStep and AWS established a Joint Innovation Center to foster the development of innovative digital solutions for public service delivery. Additionally, Carnegie India collaborated with the EkStep Foundation

for the "DPI Innovation Immersion" workshop, to promote global DPI dialogues.

In 2025, EkStep will continue its focus to help accelerate DPI adoption and enable countries to derive maximum value from DPIs.

PEOPLE+AI

An initiative by the EkStep Foundation, People+ai focuses on discovering, demonstrating, and disseminating population-scale AI use cases in India. In 2024, it launched Jan Ki Baat (JKB), an AI-powered conversational platform enabling natural, multilingual voice interactions at scale. JKB helps governments, enterprises, and nonprofits engage with people, gather real-time insights, and drive action. Pilots are underway across sectors, exploring use cases like citizen engagement, customer feedback, service optimisation,

and impact assessment. As JKB evolves, it aims to integrate with diverse workflows, enabling personalised, data-driven interactions to enhance outreach and improve service delivery.

BACHPAN MANAO (CELEBRATE CHILDHOOD)

Bachpan Manao, incubated by EkStep Foundation, is a societal mission celebrating abundance, growth, and play in a child's first 3000 days. Bringing together networks, narratives, and technology, it connects over 100 organisations that create, curate, and share public goods in various digital formats. Initiatives like Librarians of India, Voices of Teaching, and Voices of Play elevate narratives of librarians, teachers, and children, Hack-A-Change advances accessibility in audio-visual tools, and First Songs preserves India's lullaby heritage for language learning.

IMAGE: Courtesy of EkStep Foundation.

REPUBLIC OF ESTONIA'S MINISTRY OF FOREIGN AFFAIRS

■ **Type** ｜ Government
★ **DPGA Member Since** ｜ April 2022

Estonia's membership to the DPGA is represented by the **Ministry of Foreign Affairs of Estonia** which is dedicated to advancing the country's foreign policy objectives including national security, international relations, and fostering a liberal economic environment. As one of the early DPGA members and a 50-in-5 campaign first mover country, Estonia champions values such as democracy, human rights, the rule of law, economic freedom, and sustainable development through the use and promotion of DPGs.

REPUBLIC OF ESTONIA
MINISTRY OF FOREIGN AFFAIRS

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

SUPPORT FOR X-ROAD AND NIIS

[X-Road](#) DPG ✦ is open-source software that provides unified and secure data exchange between organisations in a collaborative ecosystem. X-Road is developed and managed by the Nordic Institute for Interoperability Solutions (NIIS), of which the Government of Estonia is a member of alongside Finland and Iceland. NIIS serves as both a network for cooperation and a hub for IT development. The main focuses of NIIS include development and strategic management of digital government solutions such as X-Road and Harmony eDelivery Access. In 2024, the number of X-Road ecosystem implementations by governments and other organisations grew to 25, and there are now more than 160 countries represented in the X-Road community.

DIGITAL GOVERNMENT CODE REPOSITORY

The Estonian government manages the digital government code repository, Koodivaramu), which helps provide open access to the source codes of different digital services developed for government use. The initiative is guided by the principle of re-use, aiming to eliminate the need to build solutions from scratch. This initiative fosters public-private collaboration, promotes responsible use of public funds and resources, and supports the continuous, community-driven development of the e-state. Koodivaramu now also enables the sharing of various artefacts through its package registry. Further developments aimed at improving the general user experience and search functionality are expected to make existing re-useable public e-services more visible.

PROMOTION AND DEVELOPMENT OF AI DPGS

Estonia is working on the synergy of data and artificial intelligence, with around 120 AI solutions implemented in the public sector in recent years. Approximately 60 public authorities have integrated AI components into their projects to enhance efficiency, including tools for speech recognition, translation procurement, email classification, anonymisation, spelling correction, machine translation, and adaptation of open-source language models. As of early 2025, open-source solutions have been applied in approximately 170 cases.
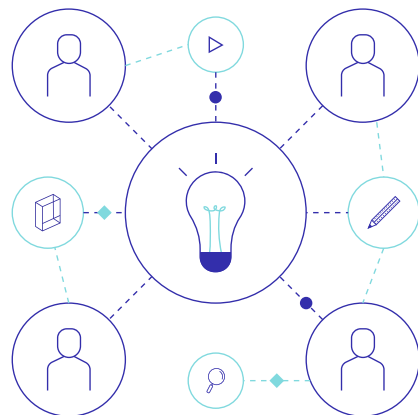
GOVSTACK

Please see the general description of GovStack listed under "[the German Federal Ministry for Economic Cooperation and Development](#)".

As one of the organisations leading GovStack, Estonia specifically contributed to the initiative in 2024 by harmonising approaches in different GovStack building blocks to ensure adherence to the European values and coordinate the work across different working groups.

Relatedly, a dedicated role of Chief Technology Officer and Architect was introduced and filled by Kristo Vaher, the former Chief Technology Officer of the Estonian Government. This role will be responsible for developing and leading the execution of GovStack's technology strategy.

In 2024 emphasis was put on GovStack's identification and authentication building block and the further development of the wallet building block. This work was driven by increased interest in, and demand for, the compliance of those 3 building blocks to EU principles and approaches. Clarifying strategic focus and technical requirements, especially for the digital wallet building block, were driven by the need to establish the technical and functional level of specifications required for compatibility across diverse ecosystems, including that of the EU.

In June, the first GovStack Estonia community event was held to introduce GovStack's objectives and team to private and public sector Estonian partners. The meeting also served as an opportunity to present the fundamentals and application possibilities of the Public Administration Ecosystem Reference Architecture (PAERA). Based on Estonia's experience, the document offers an architectural framework covering the structure of systems, interconnections between components, and technological choices essential for the successful operation of e-services in any country. This approach has been integrated into GovStack's methodology, training materials, and has been actively applied in various countries.

Preliminary preparations for country engagements, referred to as GovStack Deep Dives, were launched for Jordan, Tanzania, Zambia, and Bosnia. Led by ESTDEV, several alignment and coordination sessions took place with countries' teams to pre-select the relevant use-cases and building blocks for the Deep Dives. The Deep Dives will continue to advance in 2025.

In June, negotiations kicked off with the DG Connect and DG INTPA teams to introduce GovStack's methodology and approach. The goal was to lay the groundwork for integrating GovStack into new EU initiatives such as EUROSTACK.

The EU and EAC's Team Europe Initiative, known as "Safe Digital Boost for Africa" (SDBA), held a workshop in Arusha, Tanzania. Within the Pillar 3 of the Initiative E-Governance (which is being led by ESTDEV), GovStack has been proposed as the overall implementation principle, with a key focus on the building blocks of data exchange (information mediator) for cross border

regional data sharing framework and identity/wallet for e-Wallet (certificates, medical, education, payment, customs, transport etc.).

GovStack is actively involved in the "Initiative for Digital Government and Cybersecurity" (IDGC) in the Horn of Africa, a collaborative effort co-financed by the European Union and BMZ. This initiative aims to enhance digital service delivery and cybersecurity in Kenya, Somalia, and Djibouti. In Kenya, ESTDEV financing is aimed at developing and piloting three e-services in Kenya, based on GovStack approach and relevant Building Blocks.

Estonian GovStack Community members also actively participated in a number of global convenings including DPI workshops in Paris, France, DPGs4DPI workshops in Cambridge, UK, and the 10th e-Governance Conference in Cambridge, UK, and the Global DPI Summit in Cairo, Egypt. As a result of the DPI Summit, the ESTDEV lead the analytical work and eventual writing of the report as requested by the UN Interdepartmental Task Force on African Affairs (IDTFAA/Office of the Special Adviser on Africa) on "GovStack for Bridging Strategic Policy and Digital Service Implementation" for an African DPI Stack Blueprint. The report was introduced at the UN Interdepartmental Task Force on African Affairs Principal-level meeting in October 2024.

GOVERNMENT OF ETHIOPIA

■ **Type** ǀ Government

★ **DPGA Member Since** ǀ June 2023

The Government of Ethiopia joined the Digital Public Goods Alliance as a member though the **Information Network Security Agency (INSA)**, which is responsible for the country's information infrastructure and cybersecurity. In addition to being a member of the DPGA, Ethiopia also participates in the 50-in-5 campaign.

Information Network Security Administration

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

NATIONAL DIGITAL ID

The National ID Program in Ethiopia (NIDP), led by the Prime Minister's office, aims to provide foundational digital IDs (Fayda ID) to residents, addressing the gap in the country's identification system. The program enrolls residents and assigns them unique IDs, enabling access to various services, including financial, social, and public services. The implementation is supported by the use of the Modular Open Source Identity Platform **(MOSIP)** DPG ✹, developed by the International Institute of Information Technology Bangalore.

In 2024, major milestones for Fayda included scaling up the registration process as well as the provision of authentication services to relying parties. Accordingly, registration has reached more than 11.5 million people while authentication services are being provided to more than 40 relying parties already integrated with the Fayda Digital ID platform. A mobile app has been developed to be available for both registered individuals and relying parties for offline authentication through scanning a secure QR-code delivered in printed or digital form. Card Printing services have also been started through two major printing partners (Ethiopost and Ethiotelecom) accepting card orders and delivering the cards to the closest and most convenient location for the resident. Furthermore, several legal framework components such as directives and operational procedures across both registration and authentication services have been issued.

DPI BASED SKILL SET

The Government of Ethiopia is committed to creating centrally shared public digital services with defined APIs to ensure interoperability and sustainability. A key part of this effort in 2024 was the development of localised knowledge and skills through capacity-building initiatives, leveraging global resources to support five major digital building blocks. These include identification and credentialing platforms like **MOSIP** DPG ✹ data sharing tools such as DigiLocker and **X-Road** DPG ✹ payment systems including Mifos **(Mifos-X)** DPG ✹, **Mojaloop** DPG ✹, and **Fineract** DPG ✹, as well as trust infrastructure tools like **Sunbird RC** DPG ✹.

On this aspect, the pioneering area for skills development is the Digital ID Infrastructure which is based on **MOSIP** DPG ✹ customised and rebranded in Ethiopia as Fayda. A continuing effort is still ongoing on the improvement of the existing technical skills. The operations are now scaling up through the country and a more organised training and a fully dedicated skills building team organised by the National ID Program (under the PMO) is fully dedicated to this task. Lessons learned from NIDP are also transferred to the social services area focussing on the utilisation of **OpenG2P** DPG ✹ and related solutions primarily integrating with the Fayda Digital ID platform.

Engagement with important external stakeholders has already been started including an MOU based cooperation agreement with the Ministry of Electronics and Information Technology (MeiTY) of India followed by the formation of a local multi-stakeholder based working group.
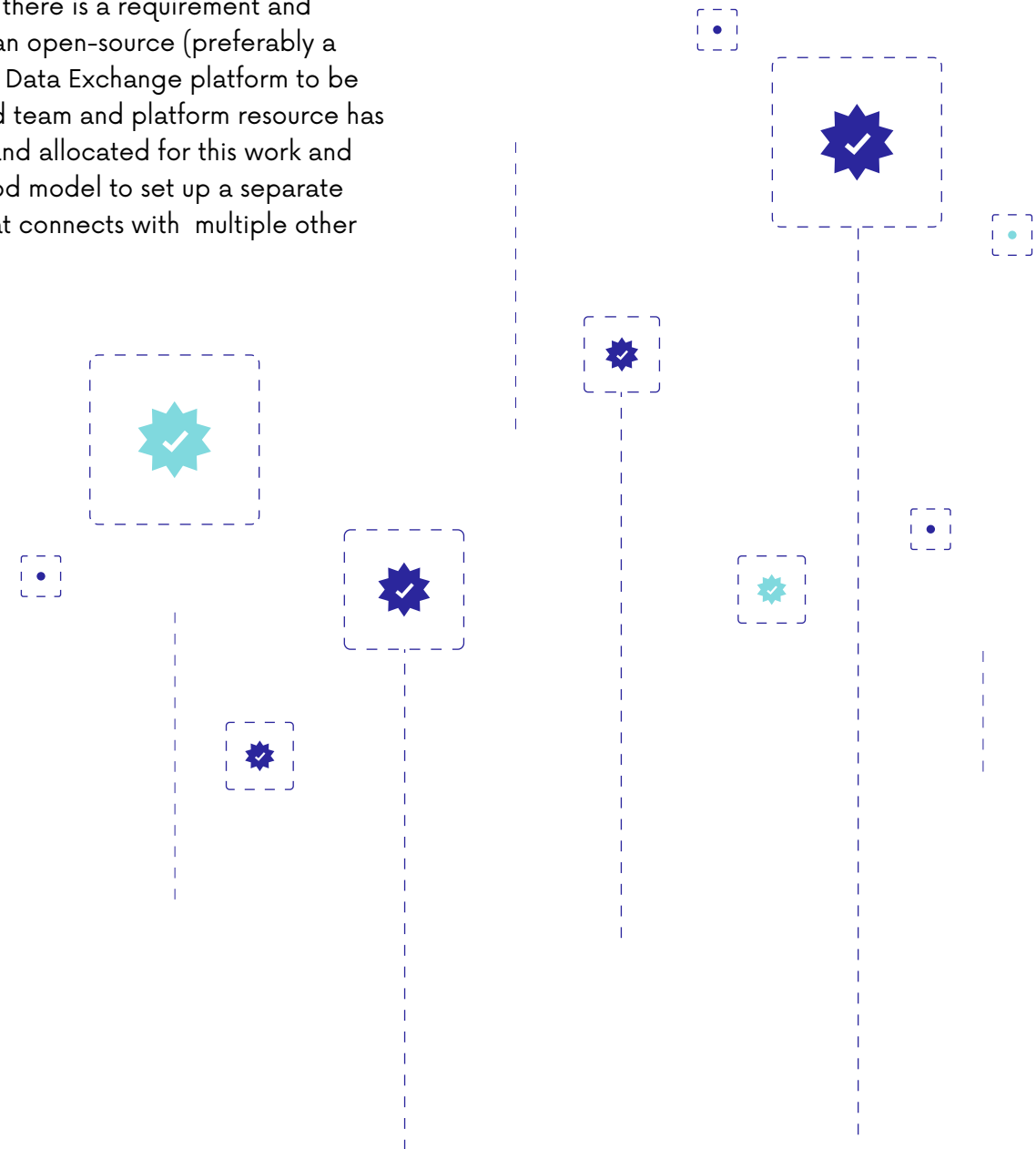
INTEGRATING OPENG2P WITH FAYDA ID

In order to provide aid and benefits to Ethiopia's poor and marginalised population through different protection programs, such as Ethiopia Disaster Risk Management Commission (EDRMC), Productive Safety Net Program (PSNP), Refugee and Returnee Services (RRS), and the Ministry of Women and Social Affairs, the government is developing a solution integration with Fayda ID and [OpenG2P](#) ᴰᴾᴳ ✖. This integration effort involves key capacity-building initiatives for both technical and operational roles, aligned with the DPI Sandbox.

Currently, [OpenG2P](#) ᴰᴾᴳ ✖ has been implemented for the Productive SafetyNet Program (PSNP) by which beneficiaries are now registering in a manner that ensures uniqueness through the Fayda Digital ID service. The Deployed OpenG2P platform is fully integrated with the Fayda Digital ID Platform where existing Fayda holders are enrolled through authentication while newcomers are first registered Fayda. Fayda Registration is already available in many PSNP service centers.

DPI SANDBOX

The groundwork for a sandbox has been established by key stakeholders including the high-level political leadership. Accordingly, there is a requirement and high-level direction for an open-source (preferably a DPI/DPG based) shared Data Exchange platform to be established. A dedicated team and platform resource has already been assigned and allocated for this work and the aim is to build a good model to set up a separate full-fledged sandbox that connects with multiple other platforms and services.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

■ **Type** ⏐ Multilateral
★ **DPGA Member Since** ⏐ May 2022

The **Food and Agriculture Organization** (FAO) is a specialised agency of the United Nations, leading international efforts to combat hunger. FAO has 195 members, including 194 countries and the European Union, and operates in over 130 countries worldwide with a focus on ensuring food security for all, providing regular access to sufficient, high-quality food for active and healthy lives.

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ADVANCING A DIGITAL PUBLIC GOODS FIRST APPROACH WITHIN THE UN

FAO has been championing a DPG-first approach for the agricultural sector, meaning that when investing in, creating or utilising digital technologies in the digitalisation of agrifood systems, digital public goods products, principles and practices are considered and prioritised over non-standard approaches. This approach provides a practical roadmap to succeed with the adoption of digital technologies in the agricultural sector and serves as a call to action, both internally and in the agrifood ecosystem, to transform systems through the creation and utilisation of open, safe, inclusive and scalable digital public goods.

In addition to championing a DPG-first approach this year, FAO added several verified solutions to the DPG Registry, including AGROVOC Multilingual Thesaurus DPG✿, Agrontology DPG✿, FAO Agricultural Stress Index System DPG✿, FAO Digital Services Portfolio DPG✿, Hand-in-Hand Geospatial Platform DPG✿ and WaPOR DPG✿ and continue to provide ongoing support to FAO product owners seeking DPG certification.

FAO also championed DPGs by co-hosting Reboot the Earth 2024 events through the Global Network of Digital Agriculture Innovation Hubs and provided technical guidance on challenges that experts in the field of agriculture and climate would like to address through technology. This series of social coding events brought young participants together in the US, Morocco, India, Ethiopia and online – to tackle the pressing global issue of climate change through solutions that could become DPGs. Winners were selected from each city and received funding for their ideas, mentorship and the opportunity to showcase their work at Open Source Program Offices (OSPOs) for Good in New York and at the Science and Innovation Forum (SIF) 2024 in Rome.

Furthermore, during the SIF, a session called "Digital Agriculture Changemakers in Action" brought together experts, policy-makers, and pioneering farmers to showcase real-world applications of digital tools showing the power of these technologies in addressing global challenges. A central theme of the session was the role of DPGs and DPI in promoting resilience and inclusivity in rural farming. The session, which also saw the participation of Jameson Voisin, Director, Programs and Communications, DPGA Secretariat, highlighted how accessible DPGs and DPI can bridge the digital divide, ensuring that farmers in all regions can benefit from digital tools, like the collaboration between Digital Green and the Ministry of Agriculture in Ethiopia to improve advisory services and optimise the use of data and information for the benefit of farming communities and agripreneurs across the country by using Open Content Collections and Open AI systems. The initiative consists in the creation of an open knowledge sharing

architecture based on FarmStack and Farmer.Chat to enable seamless access, contribution, and dissemination of open content and its integration with a farmer chatbot.

In November 2024, FAO hosted a webinar as part of the Innovate Forward Talk series, focusing on "Digital Public Infrastructure for Agrifood Systems", convening experts (including 50-in-5), policy-makers, and stakeholders to explore opportunities and challenges in agriculture and rural development through DPI. In 2025, FAO will continue to advance its **DPG roadmap**. Key efforts will focus on identifying existing and potential DPGs within the FAO Digital Portfolio (FDP), driving climate-focused DPG initiatives through the "Reboot the Earth" program, and providing guidance and tools to facilitate the discovery and reuse of DPGs for transforming agrifood systems, including the following:

FAO'S DIGITAL IMPACT EXCHANGE

FAO is leveraging both the DPGA community and a DPG itself, to create a new platform for agrifood system transformation. Collaborating with another DPGA member, the **Digital Impact Alliance (DIAL)**, the aim is to develop a platform that showcases the products, tools, and data that FAO and its partners have created to support the digital transformation of agrifood systems. The solution will be built on DIAL's open-source, Digital Impact Exchange, a global resource designed to provide digital development stakeholders with insights into the solutions that can address various use cases.

DPG MATURITY ASSESSMENT FRAMEWORK

In 2024, FAO, in partnership with DPGA, Digital Square, and UNICEF, began the development of a core set of indicators to assess the maturity of DPGs. Building on this work in 2025, and in collaboration with a dedicated Community of Practice, the group aims to deliver a comprehensive maturity assessment framework. This framework will include an initial draft of indicators, a mutual assessment prototype, case studies from piloted DPGs, and a finalised digital self-assessment tool, supported by guidelines for piloting and eliciting feedback, visualising results, and a guidebook to support the integration of the tool.

IMAGE: Courtesy of Food and Food and Agriculture Organization of the United Nations.

IMAGE: Liv Marte Nordhaug, DPGA Secretariat CEO, Nathan McEachen, GeoPrism Registry (TerraFrame), Dimitrios Mentis, Energy Access Explorer (WRI) and Zhongxin Chen, Hand-in-Hand (FAO), gather at the 2024 DPGA AMM in Singapore. Photo Credit: Derrick Ng Jun Peng.

FOUNDATION FOR PUBLIC CODE

Type | NGO/CSO

★ **DPGA Member Since** | October 2022

The **Foundation for Public Code** is a chapter-based network of non-profit organisations that supports public administrations globally in collaborating on open codebases, focusing on designing, maintaining, and improving digital public products. The Standard for Public Code which the foundation stewards offers reference criteria to assess codebases' readiness for public collaboration, empowering organisations to develop and maintain software and policy collectively.
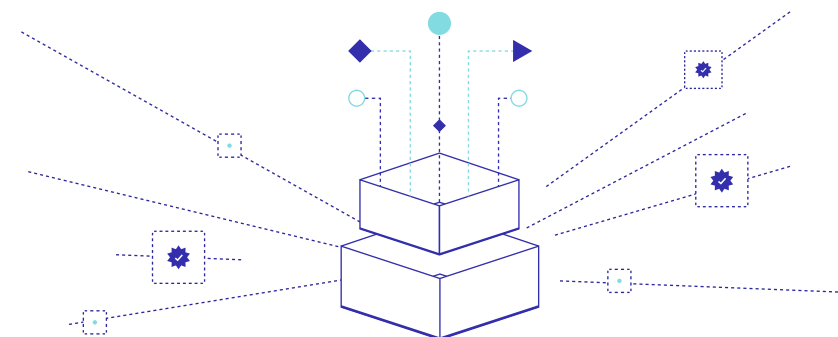
CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

SUPPORTING OPEN-SOURCE PRODUCTS AND DPGS TO ADVANCE MORE SUSTAINABLE CODEBASE STEWARDSHIP ORGANISATIONS

In 2024 the Foundation for Public Code worked with public administrations, software developers, and open-source collaboratives globally to establish Public Product Organisations that develop and maintain digital public products, ensuring they are reliable, high-quality, and focused on the public good. The Foundation also supported communities of open practice by providing guidance on governance, codebase stewardship, financial modelling, technical and product steering processes, community growth, and raising broader awareness.

SUPPORTING THE LONG-TERM SUSTAINABILITY OF DPGS

The Foundation stewards the Standard for Public Code, which has now developed into a multi-stakeholder stewardship repository and community of practice. This standard helps governments and public organisations ensure public code (including code used by DPGs) is reusable, effective, and participatory, ensuring that it can be leveraged by governments and public administrations across different jurisdictions.

The Foundation also worked alongside the Open Knowledge Foundation, another DPGA member, on research that will help articulate various governance and financial models that should be considered for long-term sustained DPG stewardship.

GITHUB

- 📁 **Type** ǀ Private Sector
- ★ **DPGA Member Since** ǀ September 2021

GitHub helps users build, scale, and deliver secure software. With a community of 150+ million developers, GitHub is used for collaborative software development and version control. GitHub's Social Impact team empowers developers, nonprofits, and NGOs to drive positive and lasting contributions with GitHub products, brand, resources, and employees. GitHub Sponsors provides infrastructure to make it easier for organisations to invest in open-source projects they depend on. This has resulted in US$40M in funding. GitHub is also sponsors Open Technology Fund's **FOSS Sustainability Fund**, which combines public and private sector funding to support the long-term maintenance of open-source projects.

GitHub

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DPG COMMUNITY MANAGER TRAINING PROGRAM

Creating, growing, and maintaining external contributor communities is critical to the long-term sustainability of DPGs. To address this challenge, in 2023 GitHub designed the **DPG Community Manager Training Program**, aiming to connect community managers interested in making a difference with digital public goods and that need support in effectively engaging external contributors. This activity focuses on creating more opportunities for developers working on open-source for good and to unlock resources for DPGs to maximise their impact as they tackle global challenges. In 2024, the program's second year, the team incorporated more hands-on workshop sessions and Community Managers and expanded from 9 Community Managers to 55. Projects range from in-depth documentation to contributor engagement analysis for DPG contributor communities. This has led to deeper engagement where these managers can apply their training directly with a DPG project.

SUPPORTING THE FURTHER DEVELOPMENT OF DPGS

FOR GOOD FIRST ISSUE

Roughly 80% of DPGs live on GitHub. To help developers connect with these projects, GitHub launched the **For Good First Issue** where developers can easily find and contribute to open-source projects that support SDGs. In 2024, the platform has increased to over 100 project issues, offering developers an opportunity to leverage their skills for good.

It includes a curated list of open-source projects, many of which are recognised as DPGs, which feature open issues on GitHub for both technical and non-technical contributions. The platform also hosts regular virtual public events where DPGs share their most recent challenges and issue a call to action for open-source developers to find and work on these issues. This culminates in the annual month-long Hacktoberfest campaign, fostering a vibrant community around DPGs.

PARTNERSHIPS

GitHub is also working with other DPGA members including UNICEF, FAO, and PATH to advance maturity frameworks. For GitHub, this includes providing insights on open-source and repository management best practices. Doing so can help inform criteria potential adopters can use as maturity criteria as it can help improve code quality, documentation and community engagement. The goal is to support a standardised set of maturity indicators applicable across domains, complemented by a digital self-assessment tool that facilitates cross-sharing among partners.

FOSTERING DPG COMMUNITY ENGAGEMENT

Currently, DPG builder and adopter organisations are at varying stages in their journey towards community development, demonstrating different levels of success and maturity. Long-term sustainability of DPGs relies on vibrant developer communities that enhance product quality, foster innovation, and drive adoption. To help this, Code4GovTech and GitHub released the DPG State of the Community Report (DPG SCoRe) 2024, to provide a holistic overview of the current state of community-building efforts across DPGs and offer insights into both organisation and developer perspectives.

COLLABORATION WITH IDB

IDB's partnership with GitHub, through the Social Impact Skills-Based Volunteering program, has been key in adapting UrbanPy to the education sector. GitHub provided pro bono technical support to enhance the tool's functionality for broader use and launch an initial prototype for the education sector. Connect with GitHub Social Impact to follow along the outcome of the project.
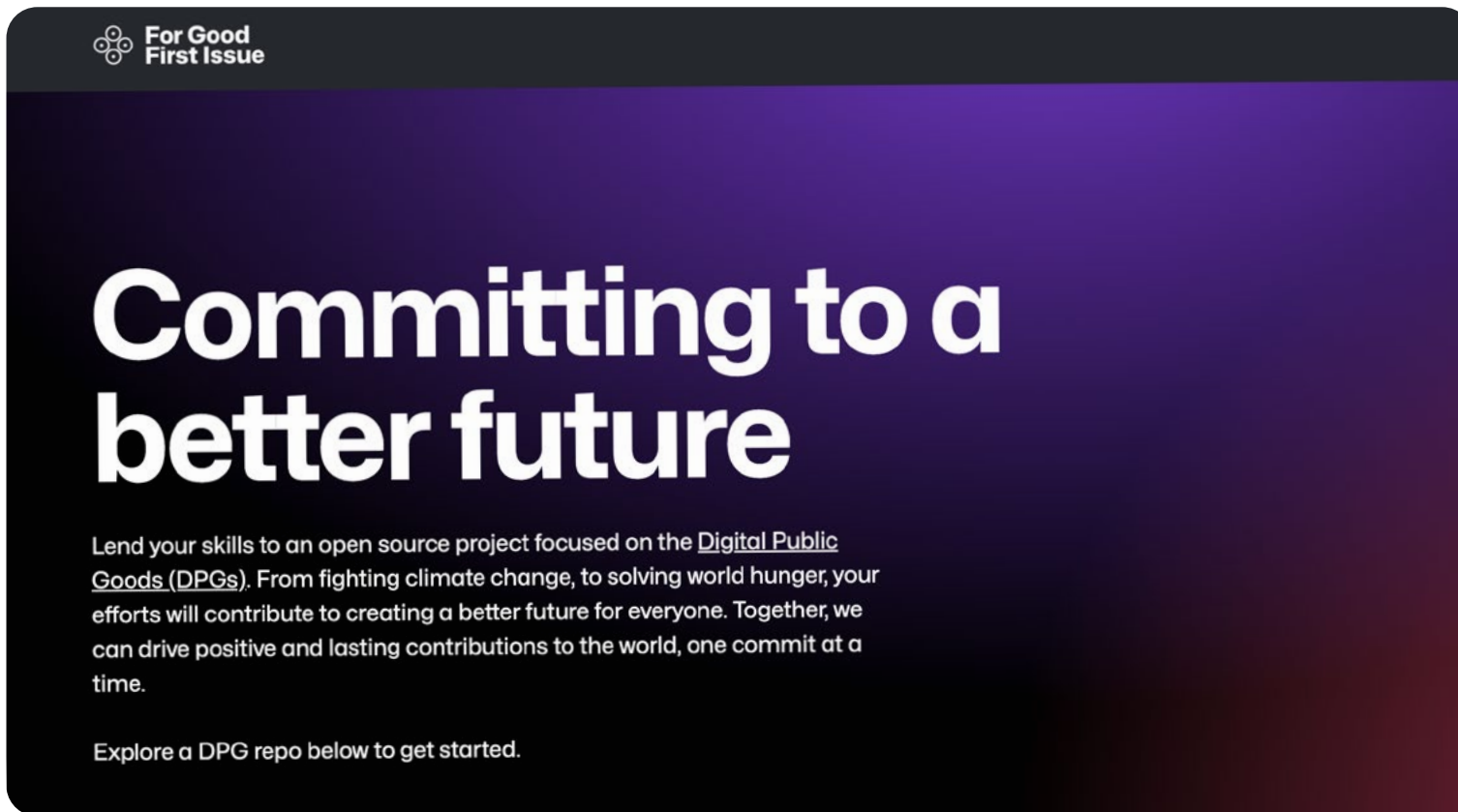

For Good First Issue

Committing to a better future

Lend your skills to an open source project focused on the Digital Public Goods (DPGs). From fighting climate change, to solving world hunger, your efforts will contribute to creating a better future for everyone. Together, we can drive positive and lasting contributions to the world, one commit at a time.

Explore a DPG repo below to get started.

IMAGE: Courtesy of GitHub.

HACKTOBER FEST

IMAGE: Courtesy of GitHub.

GOVERNMENT OF GUATEMALA

■ **Type** | Government
★ **DPGA Member Since** | July 2023

The Government of Guatemala's membership to the DPGA is represented by the Presidential Commission for Open Government and Transparency. The Commission aims to promote transparency and innovation by fostering effective interinstitutional coordination. It helps support and implement national and international solutions related to open and electronic government, the simplification of administrative procedures, and enhancement of public management that help foster citizen participation, accountability and transparency. Guatemala also participates in the 50-in-5 campaign, working with other countries to share best practices that can help facilitate the implementation of safe, inclusive and interoperable DPI.

GOBIERNO *de* **GUATEMALA**
DR. ALEJANDRO GIAMMATTEI

COMISIÓN PRESIDENCIAL
DE GOBIERNO ABIERTO
Y ELECTRÓNICO

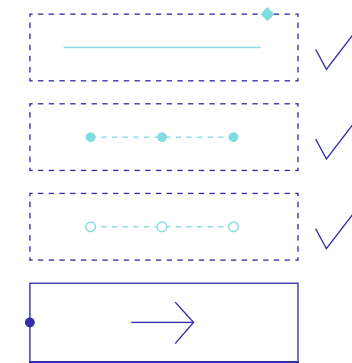# CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DPG ADOPTION

The Government of Guatemala has continued to explore digital public goods for potential adoption that can enhance public service delivery and support digital transformation efforts, particularly in digital payments, digital identity, and cybersecurity. This exploratory process includes assessing the feasibility and potential impact of select solutions in the local context and is being done in partnership with multiple UN agencies including UNESCO and DPGA members; UNICEF and UNDP.

In 2024, the Government of Guatemala worked with the e-Governance Academy of Estonia to implement the data exchange system X-Road ᴰᴾᴳ ✸ in order to establish a national interoperability platform. This partnership and implementation will help facilitate the better sharing of knowledge and improve the government's ability to manage secure and standardised data exchange procedures and the deployment of digital public infrastructure more generally.

DPI AND DPG CAPACITY BUILDING

The Government of Guatemala is working to build knowledge and capacity related to digital public infrastructure and digital public goods for the members of the digital transformation committee within the Modernisation Committee. This initiative includes comprehensive training of DPI and DPG, their significance and the importance of supporting their national deployment. This capacity building effort includes training sessions and workshops that focused on how to build a DPI roadmap, and included a number of collaborations with DPGA members and products from the DPG Registry.

INTER-AMERICAN DEVELOPMENT BANK

📁 **Type** ⏐ Multilateral
★ **DPGA Member Since** ⏐ June 2023

Established in 1959, the **Inter-American Development Bank (IDB)** is the primary source of multilateral financing for economic, social, and institutional development in Latin America and the Caribbean. Serving its 26 borrowing member countries, the IDB offers financial and technical support to national and sub-national governments, as well as other entities, to foster sustainable and inclusive growth. Their mission is to improve lives by reducing poverty and inequality, enhancing health and education, and advancing infrastructure—all while promoting development in a sustainable, climate-friendly way.

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

CODE FOR DEVELOPMENT (CODE4DEV)

Through its **Code for Development** initiative, IDB is making open-source software more accessible to governments across Latin America and the Caribbean, helping them leverage technology for the public good. The Code4Dev repository curated over 200 open-source tools from IDB, governments, academia, and startups, spanning areas such as education, smart cities, and digital public infrastructure. Among them are dozens of digital public goods, each addressing critical use cases—for example, **CommCare** ᴰᴾᴳ✸ for health, **iVerify** ᴰᴾᴳ✸ for fact-checking, and **MOSIP** ᴰᴾᴳ✸ for digital identity, among many others.

Beyond the repository, the **Code4Dev Network** fosters an active community of more than 2,000 developers working in public administration. Members collaborate, exchange ideas, and participate in monthly events focused on implementing open-source tools. The network also provides expert guidance on strategy development, procurement, governance, and implementation to help governments successfully adopt and scale these solutions. To further support this effort, in November 2024, the IDB published a **technical note on open-source procurement**, reinforcing policies that empower governments to effectively adopt and manage DPGs.

Over the past three years, Code4Dev events have welcomed 9,000 attendees, reflecting a growing demand for open-source solutions. These events have featured workshops and showcases where DPGs present their work and provide hands-on guidance for implementation. Key sessions included a digital public infrastructure workshop with Centre for DPI, Brazil's Ministry of Public Services, and the IDB, focusing on data exchange and governance standards; a digital identity for financial inclusion discussion, highlighting best practices for driving economic growth; and a data interoperability webinar, exploring seamless data integration strategies. The DPGA Secretariat has also helped introduce impactful tools like **KoboToolbox** ᴰᴾᴳ✸, **Ushahidi** ᴰᴾᴳ✸, and **Decidim** ᴰᴾᴳ✸, supporting the SDGs. Additionally, an **OpenIMIS** ᴰᴾᴳ✸ Implementation Workshop, led by GIZ with insights from Dataprev (Brazil), provided guidance on leveraging OpenIMIS for healthcare and social protection management.

To deepen technical expertise, Code4Dev's webinar series offered dedicated sessions on tools such as KoboToolbox, Decidim, and **Rahat** ᴰᴾᴳ✸, equipping governments and implementers with the knowledge to effectively adopt, customise, and scale open-source solutions for the public sector. All these events are available for viewing on the **Code4Dev YouTube playlist**, allowing policy-makers, developers, and implementers to revisit key insights and best practices.
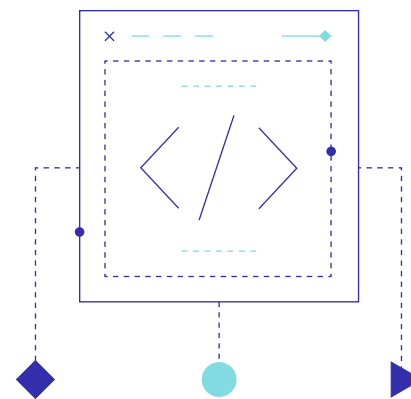
CHAMPIONING THE USE OF OPEN-SOURCE TOOLS

The IDB has open-sourced over 60 digital tools, enabling governments across Latin America and the Caribbean to leverage technology for smart city planning, infrastructure development, digital governance, healthcare, education, social protection, and more. As part of its ongoing commitment to expanding the Code4Dev repository, the IDB works to democratise access to digital tools, maximise the impact of public investment, foster cross-country and cross-sector collaboration, and ensure transparency and accountability in AI-driven solutions. Additionally, the IDB actively supports the certification of its tools as digital public goods reinforcing their global utility.

One such effort is the DPG compliance process for UrbanPy, an open-source tool developed by the IDB's Cities Lab within the Housing and Urban Development Division (CSD/HUD). UrbanPy enables accessibility analysis for essential services, population estimation, point-of-interest mapping, and travel-time calculations using local street networks. Originally designed to help Lima prioritise emergency assistance during COVID-19 by identifying underserved areas, UrbanPy is now being adapted for strategic education planning in Brazil, where it will support data-driven decisions on school locations and expansions based on population needs.

Beyond tool development, the IDB actively supports governments in implementing open-source solutions, both in-house and through curated external partners. These efforts span multiple sectors, including digital government, education, health, water and sanitation, and transport. Among many examples, a technical cooperation with CoDevelop is facilitating the rapid deployment of DPI in the Caribbean, while a loan operation with the Ministry of Digital Transformation of Trinidad and Tobago is advancing an open-source first digital transformation for the GoRTT.

The reach of Code for Development continues to grow, with 282,000 clones of IDB repositories in the past two years. Additionally, the Code4Dev Helpdesk has processed over 200 support requests from organisations, academia, public agencies, and other stakeholders interested in implementing open-source solutions from the IDB's repository—demonstrating a strong and growing demand for open, collaborative, and scalable digital tools.

50-IN-5 CAMPAIGN

The IDB is a proud supporting organisation of the 50-in-5 campaign, actively working to onboard new countries across the Latin America and Caribbean (LAC) region and strengthen regional cooperation for safe, inclusive, and interoperable DPI.

With the goal of increasing visibility for the progress LAC countries have made in adopting the DPI approach—enhancing inclusivity and economic opportunities—IDB remains committed to expanding country participation in the campaign, supporting DPI implementation across the region, and showcasing best practices and success stories.

During the 50-in-5 campaign milestone event in September 2024, "DPI for People and Planet", IDB hosted a segment featuring a conversation between Miguel Porrúa, Coordinator of the Data and Digital Government Cluster at the IDB, and Armando J. Manzueta Peña, Vice Minister of Public Innovation and Technology of the Dominican Republic. Through these engagements, IDB continues to advocate for stronger regional collaboration and sustainable DPI adoption to drive digital transformation across LAC.

INSTITUTE FOR TECHNOLOGY AND SOCIETY RIO

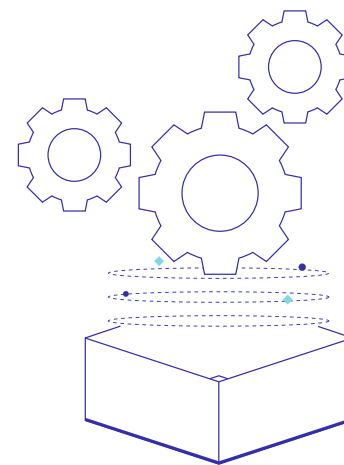■ **Type** ⏐ NGO/CSO
★ **DPGA Member Since** ⏐ October 2023

The **Institute for Technology & Society** (ITS Rio) is a non-profit with over ten years of experience researching and advocating for the legal, social, economic, and cultural dimensions of technology. Through independent studies and partnerships, it promotes public policies and private practices to ensure that technologies safeguard privacy, allow freedom of expression, and access to knowledge. Additionally, ITS Rio works to amplify the voices of Brazil, Latin America, and the Global South in international discussions on technology, the internet, and regulation.

ITS
Instituto
de Tecnologia
& Sociedade
do Rio

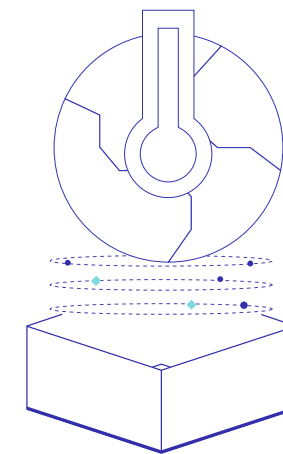# CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DPG CAPACITY BUILDING FOR BRAZILIAN STAKEHOLDERS

ITS Rio is developing open educational resources on open-content digital public goods and making them accessible through Brazil's primary public service educational platform. These resources will include public reports on topics including DPGs for climate action and strategies for ensuring technologies used for DPI are also DPGs. While the primary audience is public servants, the open-access approach ensures these materials also serve as valuable references for civil society and academics as well. The capacity building was key to fostering critical thinking during Brazil's G20 presidency.

DPGS FOR CLIMATE

ITS Rio is designing an open live online course designed to generate ideas for environmental DPGs complimented by on-site workshops focused on the government agency managing CAR—a comprehensive registry of all national rural properties managed by Brazil's government. ITS Rio offers training as a tool for advancing the government's green agenda and climate action. These efforts aim to engage key stakeholders from civil society, academia, and the private sector to help combat climate change. The activity supports ITS Rio's broader goal of promoting the development of DPGs in Brazil.

GOVERNMENT OF MALAWI

■ **Type** ᐧ Government

★ **DPGA Member Since** ᐧ April 2024

The **Government of Malawi** joined the DPGA in 2024 through the Ministry of Information and Digitalisation. This Ministry is responsible for providing policy direction and guidance in the production and dissemination of public information, as well as coordinating and managing ICT development and services. Its primary objective is to create an enabling environment for the development and use of information and communication technologies.

UNITY AND FREEDOM

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ADOPTING AMP TO IMPROVE MALAWI'S AID MANAGEMENT

The Government of Malawi is working to adopt the **Aid Management Platform (AMP)** DPG ✸. It is a DPG that helps governments and development partners gather, access, and monitor information on development activities, with the goal of increasing aid effectiveness. The Government of Malawi worked to build local capacity for the adoption and implementation of AMP which helps ensure access to timely and comprehensive data on donor-financed projects across the country.

LEVERAGING DPGS TO ENHANCE NATIONAL HEALTH INFORMATION SOFTWARE

In 2024, Malawi led a number of workshops to help facilitate the use and adoption of DPGs throughout the healthcare sector by providing assistance, led by the Ministry of Information and Digitisation, to public and private entities.

Malawi is implementing an open-source comprehensive electronic medical record (EMR) system built on top of multiple solutions, including **OpenMRS** DPG ✸, **OpenELIS** DPG ✸. This system is being used by clinics and hospitals and was designed for low resource environments. The Ministry of Health has implemented the system in all the major health country facilities

and there are efforts underway to integrate Unique Identification Numbers (UID) from the national registration and identification system with it provided by the National Registration Bureau.

DIGITAL PUBLIC INFRASTRUCTURE AND DPG CAPACITY BUILDING

Malawi is making efforts to evolve its digital public infrastructure by collaborating with other countries participating in the 50-in-5 campaign and through a number of national initiatives.

As part of this effort, the government provided workshops with the aim of bringing greater understanding of open source between the public and private sectors. The workshops looked at the solutions listed on the DPG Registry and the benefits of considering open source when deploying new solutions.

GOVERNMENT OF MOLDOVA

Type | Government

DPGA Member Since | November 2023

The **Government of Moldova** joined the DPGA in 2023 through the Ministry of Economic Development and Digitalisation. The Ministry's work on digitalisation is guided by their 2023-2030 Digital Transformation Strategy which focuses heavily on strengthening alignment with the European integration agenda and advancing citizens' needs.
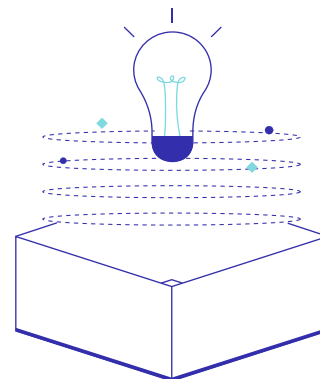
GOVERNMENT
OF REPUBLIC OF MOLDOVA

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ELABORATION OF THE NATIONAL DIGITAL TRANSFORMATION STRATEGY

Moldova aims to make public institutions more efficient through the use of technologies while ensuring a safe and inclusive digital environment for all. The Digital Transformation Strategy, which was launched in 2023 sets the country's vision for digital transformation by 2030 and reaffirms their commitment to building a modern digital society. The key objectives of the strategy include strategies for sustainable development, facilitating access to electronic services for all citizens and strengthening the ICT sector through investment in research and development. This strategy helps facilitate broader understanding of technology adoption in the country, which can include open-source solutions.

ACHIEVING 100% DIGITISATION OF PUBLIC SERVICES BY 2030

Moldova is a participating of the 50-in-5 campaign which is bringing together countries from all over the world and from different socioeconomic backgrounds to collaborate on safe, inclusive and interoperable DPI. Moldova's Ministry of Economic Development and Digitisation is dedicated to transparency and the transformation of administrative work into a paperless system. Currently, more than 48% of public services for entrepreneurs and 36% for citizens are available in electronic format. While the goal is to have 75% of government-to-business (G2B) services digitised by the end of 2025, the ultimate objective is to ensure all public services are fully accessible in digital format by 2030. Services include solutions that could function as part of the country's DPI.

NORWEGIAN AGENCY FOR DEVELOPMENT COOPERATION

■ **Type** ∣ Government
★ **DPGA Member Since** ∣ October 2020

The Norwegian Agency for Development Cooperation (Norad) is an administrative and specialist body for international aid, committed to advancing Norway's development policy goals. By fostering knowledge-sharing and collaboration, Norad ensures that Norwegian aid contributes to meaningful long-term sustainable development. It also provides expert advice and support to the Norwegian Ministry of Foreign Affairs and the Ministry of Climate and Environment. In addition to being a founding member of the DPGA, Norad serves on the DPGA's Governance Board.

Norad

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

MOBILISING FUNDS AND ALIGNMENT FOR DPGS AND DPI

Norad continued to provide funding to UNICEF, UNDP and the World Bank to support their DPG-related work, including DPGs for DPI. Norad support ensures that these multilateral agencies have the knowledge, capacity, and incentives to effectively promote and support the adoption of DPGs.

To help foster long-term sustainability, Norad is also actively working with other funders and stakeholders to coordinate funding and engagement for DPGs4DPI, to help improve DPG quality and implementation. These coordination activities include working alongside Co-Develop and other country governments, and contributing to learning exchanges on DPI implementation as part of the 50-in-5 campaign.

Norad contributed to the 50-in-5 campaign milestone event, "DPI for People and Planet", held on the sidelines of the 79th UN General Assembly in New York in September 2024, with participation by Bård Vegar Solhjell, Norad's Director General.

DIRECT FUNDING TO DPGS AND DPG ECOSYSTEM

Norad provides direct funding for DPGs to help facilitate long-term sustainability, accessibility, and reusability for governments and other implementing organisations. Currently, Norad provides millions in funding to DPGs, including **MOSIP** DPG ✿, **OpenCRVS** DPG ✿, and **DHIS2** DPG ✿. In 2024, its new portfolio strategy further refined Norad's approach and strategic engagement to include an emphasis on DPGs for DPI.

Norad also provided core funding for the DPGA, particularly to support the DPGA Secretariat, which is the independent and neutral entity which coordinates and facilitates alignment among DPGA members and the broader DPG community.

DPGS FOR CLIMATE ACTION

In 2024, Norad launched a policy that will be implemented on initiatives pertaining to supporting climate change, food security, and nature-related projects. This policy requires that Norad-funded technology and open data projects are developed as DPG in alignment with the DPG Standard.

Norad also provided funding for the Open Earth Platform Initiative (OpenEPI), supporting local innovation that can spur the creation of new tools that use open data, technology, and AI. OpenEPI is being designed to incorporate open principles for data and software, building on Norad's previous DPG related work. Similarly, in 2024 Norad announced its support for the Global Ecosystems Atlas, which will be built as a digital public good and used for ecosystem mapping and monitoring.

DEVELOPMENT AND MAINTENANCE OF NORWEGIAN DPGS

The Norwegian public sector continued to develop open-source solutions and projects with the hope of contributing more DPGs to the DPG Registry. Through this activity, Norad fosters connections and encourages other Norwegian public sector partners to develop and make more DPGs available. Some of the DPGs included in this effort are Met Norway API ^{DPG} ✿, an interface to a selection of meteorological data produced by MET Norway, as well as Altinn ^{DPG} ✿, the Norwegian government's digital portal for public services.

IMAGE: Kari Jacobsen, Policy Director Innovation, Norwegian Agency for Development Cooperation at the 2024 DPGA AMM in Singapore. Photo Credit: Derrick Ng Jun Peng.

DPG SPOTLIGHT

ENERGY ACCESS EXPLORER

An interactive online platform that maps energy access in underserved areas around the world.

Access to information on energy and where it is needed most is critically important to ensuring that the delivery of vital services is possible. This is also essential to adequate planning and therefore impacts the work of development agencies, clean energy enterprises, finance institutions, and multiple government departments including, but not limited to health, education, and agriculture.

This is particularly important for communities in remote, off-grid regions of Sub-Saharan Africa, developing Asia, and Latin America which often experience limited access to reliable energy. Lacking access to energy has numerous negative effects. Families rely on costly and polluting fuels like kerosene for lighting and cooking, health clinics struggle to keep vital medical equipment running, schools are unable to leverage many teaching tools such as computers, and farmers face difficulties in powering irrigation systems or storing perishable items.

This situation affected 685 million people globally in 2022, with many people still lacking access to reliable electricity today. To drive sustainable energy access at scale and help facilitate climate compatible energy transitions, it's essential to locate the underserved communities and understand how they shall be best served.

Energy Access Explorer was developed by the World Resources Institute and partners to help support the analysis of detailed data on demographics, social, and productive uses of energy, power infrastructure, and renewable energy potential to empower energy planners, clean energy entrepreneurs, donors, and development institutions to identify high-priority areas for energy interventions.

As an open-source, online and interactive geospatial platform, **Energy Access Explorer** synthesises more than 50 geographic datasets (per geography) on both energy supply and demand. The platform runs multi-criteria analysis using location-specific resource availability and infrastructure data to indicate energy supply. Additionally, it incorporates demographic data and data on social and productive uses to visualise demand for energy services. As an information system, it reduces software engineering and data transaction costs for both data providers and users, facilitating data management and governance.

Currently, over 25,000 <u>users</u> from governments, businesses, civil society, and financial institutions across <u>Africa and Asia</u> use the platform to help plan for the expansion of renewable energy services and to help facilitate decisions that can bring energy to underserved communities.

While the solution has been adopted across different sectors and geographies, its long-term success requires investments in capacity-building, integration into local governance structures, and ongoing data updates to maintain the relevance of insights it generates. With continued support from users and funders, challenges in scaling adoption and ensuring long-term sustainability in resource-constrained environments can be addressed, overcoming inclusive energy planning in the Global South and enablingmillions more to access reliable and sustainable energy.

OMIDYAR NETWORK

■ Type | NGO/CSO

★ DPGA Member Since | December 2021

Omidyar Network is a philanthropic organisation working to shape the digital revolution by promoting shared power, prosperity, and possibility. By partnering with and funding global thinkers and innovators, the organisation aims to intentionally guide the trajectory of technology, with the vision that a shared humanity will lead the way in shaping the digital future.

OMIDYAR NETWORK

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

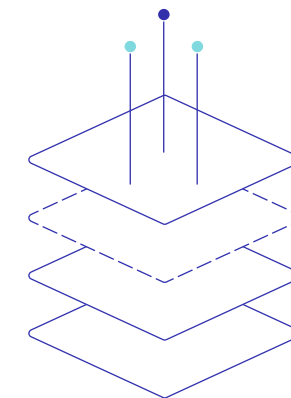## DPGS AND AI FOR THE PUBLIC BENEFIT

Throughout 2024, Omidyar advocated for investment principles in public AI that strongly support openness, promote AI training data and models that adhere to open-source principles, and the DPG Standard. This includes collaborating with organisations like Mozilla, AI Collaborative, and funding initiatives like the Open Forum for AI (OFAI) to generate responsible Open-Source AI research, policy recommendations, and prototypes.

Omidyar also continued to build on its initial $30M investment across a diverse slate of organizations to support the responsible development of generative AI. This dedicated funding effort is to promote inclusive and responsible development of generative AI.

Colleagues from Omidyar Foundation were also active contributors to UNICEF and the DPGA's Community Practice on AI systems as DPGs.

MOBILISING FUNDS AND ALIGNMENT FOR DPGS AND DPI

Omidyar supported the development of open datasets for AI by supporting organisations such as Eleuther, with the development of data governance frameworks and licences to provide tools and legal clarity for opening up data responsibly, legally, and in ways that benefit communities. Omidyar is also helping to coordinate global donors around AI training datasets.
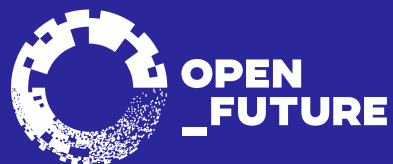
OPEN FUTURE

■ **Type** ı NGO/CSO
★ **DPGA Member Since** ı November 2024

Open Future joined the DPGA in 2024. They work alongside EU institutions and civil society to ensure that the principle of openness is reflected in the European Union's digital policy framework. Their efforts help advance digital public spaces, build data commons and ultimately shape the future of open.

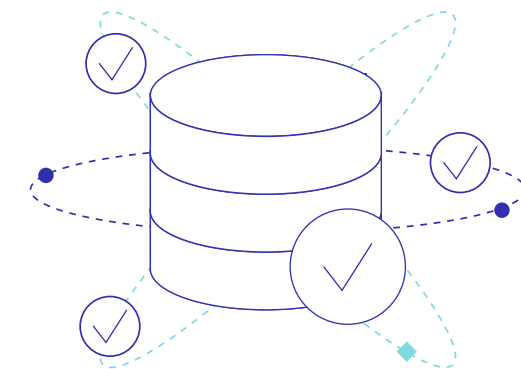# CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

NGI COMMONS

Open Future is part of [NGI (Next Generation Internet) Commons](#), an European project developing the region's long-term strategy for digital and internet commons. This strategy covers a broad range of open solutions for different use cases, including digital public goods. As part of the project, Open Future is developing a strategic agenda for digital commons policies, with a focus on financial frameworks, as well as increasing awareness and promotion of open source and DPGs.

SHAPING OUR UNDERSTANDING OF OPEN AND PUBLIC AI AND ITS RELATION TO DPGS

Public AI is a term that covers policy proposals and frameworks that promote the development of AI systems in the public interest. In 2024, Open Future drove advocacy and research both independently and as an active contributor to the DPGA and UNICEF's community of practice on AI which explored how the DPG Standard can evolve to assess whether or not an AI system could qualify as a DPG. Open Future is also working on a set of principles for funders and policy-makers in the AI development space, aimed at ensuring AI systems are developed for the public good and shared openly. These principles explore ways to support the open provision of AI training datasets, models and other components, ideally aligning with the DPG Standard.

ENABLING OPEN DATA DPGS

Open Future has been working on data commons by developing data governance approaches based on the principles of the commons. Starting with the publication of various white papers, including the recent "[Commons-based dataset governance for AI](#)", the goal is to bring to life a vision of datasets shared as digital public goods. Open Future has collaborated with another DPGA member, the Open Source Initiative on recommendations for open-source AI developers on how to make more data and datasets available as digital public goods.

OPEN KNOWLEDGE FOUNDATION

- 📁 **Type** | NGO/CSO
- ★ **DPGA Member Since** | October 2023

The **Open Knowledge Foundation (OKFN)** works on advancing open knowledge as a design principle beyond just data by guiding and supporting the creation of digital infrastructure, developing policies and methodologies and harnessing communities by advocating for literacies and standards in a sustainable, ethical and agile manner.

Open Knowledge
FOR A FAIR, SUSTAINABLE AND OPEN FUTURE

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

CKAN

OKFN created **CKAN** ᴰᴾᴳ✿, an open-source data management system designed to build data portals, with a focus on extensibility and integration with other tools. It is supported by an active community which holds its assets in trust and continues to maintain and develop the platform to serve its users. CKAN is used by many multilateral organisations like UNHCR, OCHA, WFP and FAO, as well as philanthropic organisations like the Gates Foundation. It is also deployed by national governments including Canada, the USA, Finland, Argentina, Japan, and Germany, as well as by sub-national and local governments like Montreal, Barcelona, and Buenos Aires. Exciting new milestones were reached that included launching V 2.11 and a significant update to the user-interface. See **here** for more updates from 2024.

THE TECH WE WANT

"The Tech We Want" aims to rethink and reshape technology by examining how public interest technologies, particularly DPGs, are developed, offering a new perspective on creating climate-friendly, accessible, and sustainable solutions to address the current complexities and limitations in technology. The project fosters a conversation among developers and technologists. 2024's 'Tech We Want" online summit brought together dozens of digital leaders all over the world from varied different organisations. Learn more about the summit **here**.

DPI FOR ELECTORAL PROCESSES

OKFN formed a working group of practitioners, researchers, and civic activists to explore current digital infrastructures, data practices, and standards that are shaping elections. Drawing on its expertise in developing standards and action-oriented communities, the group aims to prototype an open, inclusive, trusted, and accountable alternative to these systems.

SCHOOL OF DATA

In 2024, DPIs and DPGs were incorporated into the updated curriculum of the School of Data, an OKFN project advancing data literacy within civil society. Through its global network of practitioners and trainers, the School of Data addresses data skills gaps to catalyse the use of data by governments, organisations, and newsrooms.

FRICTIONLESS DATA

Frictionless Data is a progressive open-source framework for building data infrastructure with an emphasis on data management, integration and flow. It incorporates standards and provides software tools to simplify working with data. By addressing common data workflow challenges and friction the project makes it easier to work with data. Doing so, can help DPGs seek to leverage open data more efficiently.

OPENFORUM EUROPE

📁 **Type** ⏐ NGO/CSO

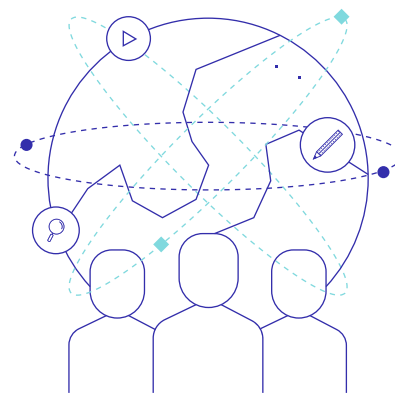⭐ **DPGA Member Since** ⏐ June 2024

OpenForum Europe (OFE) is a not-for-profit, Brussels-based independent think tank which seeks to broaden the understanding and merits of openness in technology to policy-makers and communities across Europe.

ofe   OpenForum Europe

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

OPEN SOURCE PROGRAMME OFFICES (OSPOS)

OFE actively collaborated with many stakeholders working on OSPOs recognising how they can foster open-source ecosystems through policy-making. This included work with the OSPO Alliance, OSPO++, Germany's ZenDiS, and others. As part of this work, OFE are bringing attention to how DPGs can be part of thriving open-source communities. To further this goal, OFE promotes the annual OSPOs for Good conference at the UN, where representatives from the DPGA Secretariat participated in the last edition (see UN OICT section for more details).

PROMOTE DPGS IN THE EUROPEAN OPEN-SOURCE COMMUNITY

OFE is leveraging its expertise and presence in European communities to bring focus to open technologies in general and promote DPGs given their relevance to the SDGs. This includes advocating for European open-source projects to become DPGs.

POLICY ALIGNMENT BETWEEN DPGS AND THE DIGITAL COMMONS

OFE has worked with the DPGA Secretariat as part of European-led policy discussions around digital commons and the potential for DPGs as digital commons, in order to help create shared understanding around the rules and structures that govern open-source communities and their contribution to the public interest.

OPEN SOURCE INITIATIVE

■ **Type** | NGO/CSO
★ **DPGA Member Since** | February 2023

The **Open Source Initiative** (OSI), is a global non-profit public benefit organisation focused on community-building, education, and advocacy to promote open source software. Its mission is to educate about the benefits of open source and foster collaboration among various groups within the open source community.
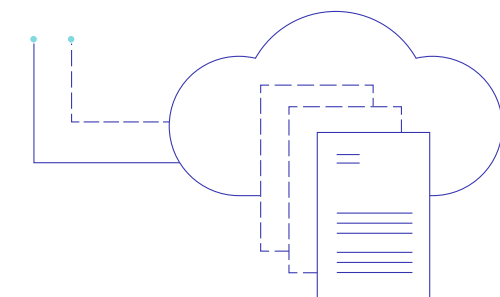
open source
initiative®

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DEFINING OPEN SOURCE AI

Open Source Definition (OSD) compliant software and OSI approved licenses are required for all software solutions to become a DPG. Building on this foundation, OSI initiated an open public process in 2023 to define Open Source AI, further releasing the Open Source AI Definition 1.0 in 2024. This multi-stakeholder effort sought to align AI principles with open source values and to better understand the role of training data in producing these systems. OSI also led an international workshop to better understand the limitations of the concept of open data in the context of AI, releasing a **whitepaper about data governance**. Additionally, OSI actively engaged in the DPGA and UNICEF's Community of Practice on AI.

THE OPEN POLICY INITIATIVE

OSI launched the Open Policy Initiative to bring together organisations with shared values related to open tech and serve as a resource for policy-makers to learn from. In the U.S., OSI and the Open Policy Alliance have responded to invitations for information by federal agencies on Cybersecurity and AI policy development. OSI also submits community-collaborative formal responses to public comment on relevant topics, offering insights from the open source community. In Europe, OSI continues to support requests from co-legislators and commission staff through their policy and standards work. In January of 2024, OSI staff joined like-minded individuals and institutions and organized the first ever European Policy Developers Room at the annual Free and Open Source Developers Meeting in Brussels, which included direct participation by EU Commission staff and co-legislators.

DIGITAL SQUARE AT PATH

Type | NGO/CSO

DPGA Member Since | May 2022

Digital Square is a market-shaping initiative that aims to accelerate health equity through the digital transformation of health systems in low-resource settings. As a PATH-led initiative, Digital Square works with ministries of health to align adaptable, interoperable digital technologies with local health needs to improve health equity worldwide. By developing and curating resources to support implementation, advancing the scalability and sustainability of mature, open-source digital public goods, and fostering alignment to improve how countries and the global health communities design, deploy, and pay for digital health technologies, Digital Square is building a digital and data-driven future for healthcare.

PATH

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

DIGITISING THE GLOBAL GOODS GUIDEBOOK

Digital Square launched the interactive **Global Goods Guidebook**, transitioning from a PDF to an online platform. This tool features a range of global goods, including DPGs, and allows users to apply filters such as WHO classifications, country presence, OpenHIE architecture components, and interoperability standards, enabling health practitioners and others to make informed decisions when adopting healthcare solutions.

IMPROVING TOTAL COST OF OWNERSHIP TOOL

Digital Square's **Total Cost of Ownership** (TCO) Tool is an interactive resource helping stakeholders in emerging digital health markets create realistic budgets for interventions, including DPGs. It breaks down costs across development, deployment, and operation phases, and as of 2024, includes security cost considerations to enhance budgeting accuracy.

ALIGNING THE GLOBAL GOODS AND UNICEF DJENGA MATURITY MODELS

Digital Square collaborated with DPGA member UNICEF, to align their maturity models. This initiative builds on Digital Square's Global Goods maturity and UNICEF's Djenga models and aims to increase their

use and adoption. The effort helps DPG product owners understand and utilise various maturity models, facilitating collaboration to address challenges, and leverage strengths identified in these assessments for long-term sustainability.

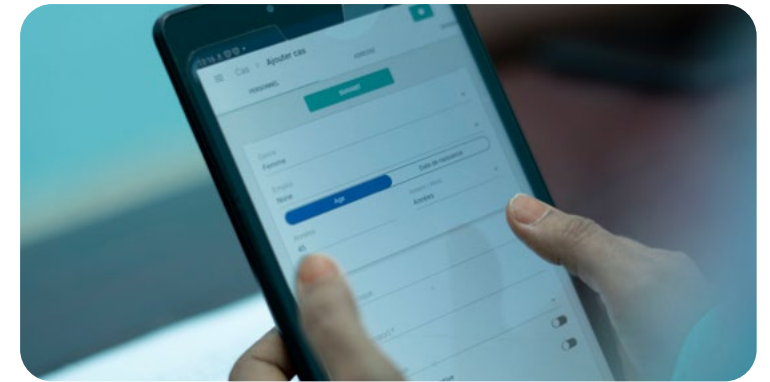## DEVELOPING AND CHAMPIONING DIGITAL STANDARDS

Digital Square continued to actively invest in developing, adopting, and promoting standards to foster interoperability and enhance the DPG Ecosystem. In 2024, Digital Square focused on promoting the adoption of HL7 FHIR and SMART guidelines, supporting DPGs and countries in understanding and implementing these standards, addressing common implementation challenges, and working with leaders to improve adoption

ADVOCATING FOR LOCALISED DPGS AND DPI THROUGH THE G20

Digital Square collaborated with Brazil's G20 Presidency's Health Working Group to promote the localization, use, and sustainable financing of DPGs and DPI. In partnership with donors, governments, academics, research organisations, multilateral/bilateral agencies, and private sector actors, Digital Square co-hosted events to build consensus on DPG and DPI topics regarding health including AI and climate health.

DPG SPOTLIGHT
GO.DATA

A tool for managing field data collection during public health emergencies and outbreaks.

The ability to analyse outbreak data, which includes case data, contact data, and lab results, is crucial for epidemiologists and health professionals to control outbreaks and prevent the spread of diseases.

Frequently, health professionals rely on pen and paper to track and assess data which is then manually compiled and shared. This lengthy process creates critical delays for decision-making. For instance, during the 2018 Ebola outbreak in the Democratic Republic of the Congo, contact tracers used paper forms that were only submitted to supervisors and doctors at the end of each day, which meant that significant time was needed to track potential Ebola cases, making the spread of the disease harder to control.

Go.Data was created by the World Health Organization (WHO) in collaboration with Global Outbreak and Response Network (GOARN) partners to enhance field data collection during public health emergencies. It includes functionalities for case investigation, contact follow-up, visualisation of transmission chains, and secure data exchange.

Go.Data is designed for field-based outbreak response teams to facilitate operational research, case investigation and contact tracing. It can function offline in low-connectivity environments, streamlining processes for managing and monitoring case and contact data. By facilitating real-time data collection, more integrated datasets and analysis, **Go.Data** aims to help bridge the gaps left by traditional methods, enabling faster, more accurate decision-making and a more coordinated response.

The **Go.Data** project is coordinated by the GOARN Operational Support Team at WHO and was first deployed in 2019 in response to an outbreak of diphtheria in Cox's Bazar, Bangladesh. With the onset of the COVID-19 pandemic, the adoption of **Go.Data** significantly accelerated, as the **Go.Data** team supported large-scale implementation, where **Go.Data** was used in 65 countries and territories and more than 115 institutions.

In April 2024, **Go.Data** transitioned to be an open-source platform. This transition has helped maximise its impact and has helped increase accessibility while enhancing opportunities for country ownership, interoperability with national surveillance systems, and maintaining flexibility for local contexts. In 2024, the tool was also adopted for

case investigation and contact tracing during Uganda's Mpox outbreak. In just four months, responders in all 36 affected districts were trained, which helped identify 343 cases and over 2,000 contacts. Using this system helped ensure that more than 80% of contacts were followed up.

As the solution evolves, its global implementation by national institutions is crucial for unlocking **Go.Data**'s full potential. To support this effort, the **Go.Data** project will launch the **Go.Data** Regional Champions Initiative and will share implementation stories on the GOARN Knowledge Platform and other platforms. Furthermore, technical support will be strengthened through advisory and user assistance for effective installation, integration, configuration, and analytics of **Go.Data**. Additionally, virtual and onsite training programs will be developed for local responders.

PUBLIC DIGITAL

■ **Type** ǀ Private Sector
★ **DPGA Member Since** ǀ November 2023

Public Digital is a global consultancy that collaborates with businesses, governments, and institutions to drive digital transformation and reshape the delivery of services. With deep experience in working with countries on digital overhauls, they help develop new digital capabilities, set effective digital strategies, and deliver major policy programs more effectively. Their work focuses on making public services more responsive, adaptable, and impactful, ensuring better value and greater impact.

public·digital

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

Over the past year, Public Digital has worked with various teams at the global level, including development funding institutions and philanthropic organisations, and at the country level. Their engagements have spanned a wide range of topics, from analysing the barriers and needs governments encounter in adopting DPI and DPG-led approaches to digital transformation –, to addressing challenges and harnessing opportunities at the ecosystem level.

Public Digital supported the launch of the DPGs4DPI Initiative in Cambridge (UK) in July 2024, which was sponsored by Co-Develop, the Digital Public Goods Alliance, and the Alan Turing Institute. This was a first in its kind event bringing together disparate stakeholder groups to solve collective challenges in the DPG Ecosystem, preventing frictionless adoption of DPGs for DPI. They have supported thinking on how to ensure that the engagement of private players can be structured to maximise public value and build thriving local ecosystems through workshops at the Global DPI Summit in Cairo and the DPGA Annual Members Meeting in Singapore. Finally, with Co-Develop, Public Digital focused on exploring what could be done at a technical level to make DPGs more accessible for governments and private delivery partners to scale safe and inclusive DPI.

Over the course of 2025, Public Digital will continue to support organisations and teams in thinking through the principles for engagement for private delivery partners in the DPG and DPI ecosystem, exploring what can be

done at the technical level to make DPGs easier to adopt. They will also collaborate with global and country teams to overcome specific delivery challenges in DPG and DPI projects.

PUBLICATIONS

Alongside ODI, Public Digital has undertaken two pieces of research and thought leadership work, focused on public finance but with wider applicability for technology implementation and change in public services:

Published a paper introducing a "technology taxonomy for public finance" to help improve the understanding and analysis of technology and delivery choices involved in technology implementation, and to aid decision-makers to manage the trade-offs involved in any project.

Led a session at the 2024 World Bank/IMF spring meetings on "Better software options for public finance", exploring the role different actors have to play in improving software markets, including the role and opportunities for open source and digital public goods. Much of the content of the discussion paper and conversation holds relevance well beyond the public finance domain. Public Digital is currently finalising a resulting paper for publication in Q1 2025.

GOVERNMENT OF RWANDA

■ **Type** ⏐ Government
★ **DPGA Member Since** ⏐ August 2022

The **Government of Rwanda**'s DPGA membership is represented by the Ministry of ICT and Innovation which addresses national priorities for economic growth and poverty reduction through development and coordination of national information technology, communication & innovation policies and programs as well as citizen's empowerment.

Since 2021, Rwanda has committed to leveraging DPGs to accelerate and achieve the goal of becoming a digital economy. As a pioneer in adopting and scaling open-source technologies, Rwanda's efforts align well with the DPGA's efforts to make the SDGs a reality with DPGs.

Republic of Rwanda
Ministry of ICT and Innovation

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

PROMOTING INCLUSIVITY THROUGH OPEN DPI

Rwanda has prioritized the deployment of robust DPI that help bridge gaps in financial inclusion, governance, and public service delivery. The Rwanda National Digital Payment System (RNDPS), developed on the [Mojaloop] DPG ✦ platform, exemplifies this commitment by enabling affordable and interoperable payment solutions, particularly for underserved populations.

FOSTERING LOCAL AND REGIONAL INNOVATION

The establishment of the Rwanda DPI Center of Excellence in 2024 underscored the country's commitment to innovation. This hub, supported by global partners, serves as a platform for showcasing, research, training, and co-creation, aligning with the DPGA's goals of promoting localized solutions and capacity building.

CHAMPIONING OPEN-SOURCE COLLABORATION

Rwanda's adoption of platforms like [Mojaloop] DPG ✦ and collaboration with GovStack demonstrates its dedication to transparency and scalability. By contributing to global DPG standards, Rwanda is fostering a collaborative ecosystem that ensures its solutions are replicable across diverse contexts.

LOOKING AHEAD

With the support of partners, Rwanda plans to expand the adoption of DPGs to develop applications in key sectors like financial services, health, agriculture, to share best practices and co-develop solutions to address public service delivery.

Through the DPI Center of Excellence, Rwanda will be sharing its journey and best practices to contribute to the collective vision of a more inclusive and equitable world powered by digital public goods.

GOVERNMENT OF SIERRA LEONE

■ **Type** | Government

★ **DPGA Member Since** | October 2020

The **Government of Sierra Leone**'s membership to the DPGA is represented by the Directorate of Science, Technology and Innovation (DSTI). DSTI aims to support the national government's efforts to leverage technology to create societal change and help the country become a hub for innovation and entrepreneurship. The Government of Sierra Leone is a member of the 50-in-5 campaign, working with other countries to implement safe, inclusive and interoperable DPI. In addition to being a founding member of the DPGA, the Government of Sierra Leone serves as a member of the DPGA Governance Board.

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

The Government of Sierra Leone remained committed to advancing the widespread adoption and use of digital public goods in Western Africa. Salima Bah, Minister for Communication, Technology, and Innovation, participated in the "DPI for People and Planet" event during the 50-in-5 milestone event on the sidelines of the UN General Assembly in September 2024 and provided a keynote at the DPGA's Annual Members Meeting in Singapore. At both events, Minister Bah shared valuable insights and best practices related to DPGs and how they are being leveraged both in her home country and throughout the region.

The Government of Sierra Leone also facilitated a number of roundtable discussions involving ministers and policy-makers to explore the role of open-source technology in enhancing public service delivery. These discussions aimed to identify common challenges and best practices, and to establish a framework for cross-border collaboration that maximises resources and minimises duplication.

IMAGE: Salima Bah, Minister of Communications, Technology and Innovation, Sierra Leone, and Bård Vegar Solhjel, Director General, Norwegian Agency for Development Cooperation (Norad), Norway, joined the 50-in-5 campaign milestone event in New York City. Photo Credit: Anthony Randazzo

CREATING AND MAINTAINING DPGS

Sierra Leone has maintained its focus on enhancing the capacity to rapidly develop, adapt, and deploy DPGs, aligning these efforts with the goals outlined in its medium-term national development plans. The Government of Sierra Leone continues to implement the DPG, OpenG2P ^{DPG} ✿, a platform utilised for social payments, and plans to contribute more solutions that can serve as building blocks for DPI in 2025.

Additionally, work has begun to align the PReSTack app—a tool designed for hearing-impaired children and their families—with the DPG Standard, aiming to have it officially recognize it as a digital public good.

GOVERNMENT OF SINGAPORE

■ **Type** ∣ Government

★ **DPGA Member Since** ∣ March 2024

In 2024 Singapore joined the DPGA via Open Government Products, whose role is to accelerate digital transformation in government through open-source innovation. This includes experimenting with technologies, management techniques, corporate systems, and cultural norms to enhance government service delivery and create public goods that can be utilised by others. 2024 brought significant successes including co-hosting the DPGA's Annual Members Meeting, joining the 50-in-5 campaign, and advocating for safe, inclusive and interoperable DPI at the campaign's UNGA side event.

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

Singapore is a global leader in creating digital public goods, recognising their capacity to serve public servants and citizens while addressing urgent global development challenges. In 2024, Singapore achieved DPG certification for several products, including **FormSG** DPG ✔, a tool for data collection, and **Isomer** DPG ✔, which facilitates website creation and enhances information accessibility. This effort builds on their previous collaborations with UNDP to develop **Oobee** DPG ✔, an automated accessibility testing tool, and OpenAttestation, a platform for secure sharing of education-related data. Singapore's leadership in DPGs is inspiring regional transformation, as countries like Cambodia and Sri Lanka have adopted and adapted these tools, even expanding them to create new functionalities and improvements.

COUNTRY COLLABORATION

Building on the successful adaptation of Singapore's DPGs in other countries, the Government of Singapore has collaborated with other countries including Malaysia, Bangladesh, and Indonesia to share best practices in open-source adaptation and adoption. As a participating 50-in-5 country, Singapore has actively engaged in roundtable discussions and shared its DPI knowledge and experiences with other countries. Through sharing insights from their experiences in building technology for public good and incorporating DPI best practices, Singapore aims to empower the next generation of tech-enabled governments. This includes fostering an environment conducive to digital transformation, enhancing the capacity to develop digital public goods, and creating a suite of minimalist, reusable products that start from simple, well-defined problems.

IMAGE: The Open Government Products team joined the 2024 DPGA AMM in Singapore. Photo Credit: Derrick Ng Jun Peng.

DPG SPOTLIGHT
FORMSG

A tool to create secure government forms in minutes without coding while enabling the safe collection of sensitive and personal data.

Effective data collection systems are essential for governments worldwide in order to successfully gather information from residents and deliver services. In many countries residents are often faced with the repetitive process of filling out paper forms, being asked for the same information - or information previously given to the government, typing responses into PDF files, or dealing with poorly designed web-based forms. In Singapore this challenge was identified by both those filling out forms, but also by government workers that were facing the challenge of manually collating the responses and allocating significant public funds for web-based solutions created by IT vendor companies.

Slow processes like manual data entry and inefficient collation methods disrupt effective decision-making and public service delivery. Even simple tasks, such as the accurate and timely submission of visitor health and travel declarations or collecting feedback after training programs, are affected by inefficient methods.

FormSG was created to provide public officers with a self-service, easy-to-use and feature rich form builder that enables the collection of data quickly and securely.

The foundation of **FormSG** was an open-source form builder application adapted for government use by the **Open Government Products** (OGP), an experimental technology development team in Singapore that creates technology for the public good.

Since its launch in September 2017, **FormSG** has replaced nearly 200 million paper form submissions and is used by over 160 public agencies to create more than 900,000 forms so far. It has been used for various purposes, including creating health declarations, registrations for swab tests, and travel forms during the COVID-19 pandemic, as well as supporting the registration of over 1,000 participants and supporting payment transactions during iWalk 2024, a Singhealth Community Hospitals' fundraiser.

FormSG has also been adopted by the governments of Sri Lanka and Cambodia as their digital form builders, respectively localised to **Digital Government Forms** and **FormKH**, allowing them to jumpstart their digital transformation efforts by using **FormSG**'s codebase as a starting point.

FormSG features secure payment integration, a user-friendly drag-and-drop builder, advanced conditional logic for personalised experiences, pre-filling of known data through **MyInfo**, **Singpass** authentication, webhooks for integration with external apps, and accessibility compliance to make it more accessible to people with disabilities.

Over time, the solution evolved by adapting to the needs of public officers and became the go-to form builder and data collection tool for the Singapore Government. Together with other tools and platforms developed by OGP such as **Isomer** DPG, a free website builder tailored for government agencies, **FormSG** aims to allow government agencies to build digital services in a highly cost-effective manner, enabling them to focus on their key mission to serve the public good.

GOVERNMENT OF SRI LANKA

■ **Type** ∣ Government
★ **DPGA Member Since** ∣ April 2023

The **Government of Sri Lanka**'s membership to the DPGA is represented by the Ministry of Digital Economy. This ministry seeks to create and revitalise technology relevant policies, strategies, priorities, programs and guidelines that support national objectives regarding technology advancement, innovation and development through social and industrial transformation.

LOOKING AHEAD

SUPPORTING DPGs4DPI

As a member of the 50-in-5 campaign, Sri Lanka has shown strong leadership in the DPGs4DPI movement, by not only using DPGs for their own implementation efforts, but also collaborating with other countries by sharing best practices and learnings.

In 2024, Sri Lanka leveraged MOSIP to implement the Sri Lanka Digital Identity (SLUDI) program, which aims to provide all citizens with a digital ID to facilitate digital transactions and reduce the duplication of identity records across government departments.

The Government also made significant inroads to evolve their data exchange systems which was previously fragmented and inconsistent across government, which was creating duplications and challenges for data sharing. To address this they have started the National Data Exchange (NDX) project which will address these issues by leveraging DPGs including **X-Road** ^{DPG} ✹ and following a "DPI as a Packaged Solution (DaaS)" approach, to facilitate seamless data sharing among government agencies with greater interoperability.

IMAGE: Mohan Peiris, Ambassador to the United Nations, Sri Lanka, joined the 50-in-5 campaign milestone event in New York City. Photo Credit: Anthony Randazzo.

THOUGHTWORKS

- **Type** | Private Sector
- ★ **DPGA Member Since** | February 2022

Thoughtworks is an international consultancy with a cross-functional team of strategists, developers, data engineers, and designers. Thoughtworks brings together global teams to deliver software solutions at scale with a particular emphasis on creating adaptable technology platforms, designing digital products, and leveraging data and AI to unlock value.

/thoughtworks

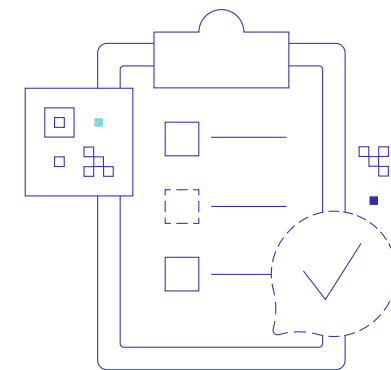## CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

MAINTAINING AND EXPANDING BAHMNI

Thoughtworks is a key supporter of [Bahmni](#) DPG ✦, an open source DPG that serves as an information management system and electronic medical record keeper. Although today it's run and supported by a coalition of organisations, Thoughtworks continues to contribute to the project as a member of its Governing Committee. Built on other DPGs including [OpenMRS](#) DPG ✦ and [OpenELIS Global](#) DPG ✦, it is used in over 50 countries and 500 healthcare facilities worldwide.

In 2024, Thoughtworks focused specifically on improving the security and stability of the platform, as well as creating Bahmni Lite, which allows for use in regions with particularly low connectivity. The team at Thoughtworks also collaborated with CURE International, a nonprofit organisation that operates hospitals in seven African countries, to develop and maintain in-patient features that facilitate paperless workflows in healthcare facilities.

SUPPORTING AND EVOLVING AN OFFLINE VERSION OF DHIS2

Underscoring their commitment to strengthening healthcare systems through digital solutions, Thoughtworks is collaborating with Doctors Without Borders to open source Praxis. Praxis is an offline version of [DHIS2](#) DPG ✦, designed to enable healthcare practitioners to use the platform in regions with low connectivity—especially in areas where Doctors Without Borders operates that are affected by conflict, epidemics, and natural disasters.

UGANDA MINISTRY OF ICT AND NATIONAL GUIDANCE

📁 **Type** | Government

★ **DPGA Member Since** | June 2022

The **Government of Uganda** is a member of the DPGA via the **Ministry of ICT & National Guidance**, which is mandated to provide strategic and technical leadership, coordination, support and advocacy on all matters of policy, laws, regulations and strategy for the ICT sector in the country. By doing so, the Ministry aims to increase access and usage of ICT infrastructure and services throughout the country, ensure effective communication of government policies and programmes and promote social-economic transformation.
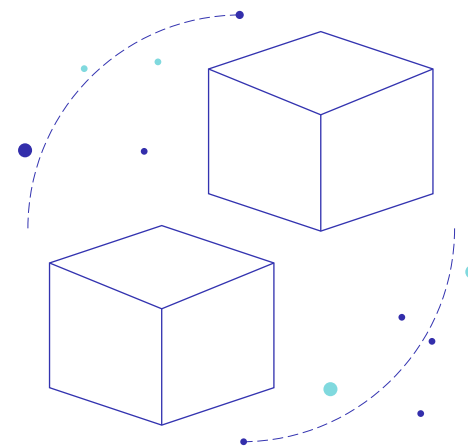
MINISTRY OF ICT AND NATIONAL GUIDANCE

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ENHANCING DIGITAL CAPACITY AND ICT OPPORTUNITIES

To facilitate greater uptake of digital tools and acquire the skills needed to increase employability and workplace efficiency, the government is running training programs to improve digital capacity development. These programs will train 3,500 Ugandans across 15 districts, focusing on women, youth, and informal sector workers. Doing so helps build the foundation needed to seize the benefits of digital solutions and foster a greater understanding of open-source and DPG potential in ICT. In 2024, the Ministry trained 3,696 Ugandans in basic and intermediate ICT skills.

USING MOSIP TO DEVELOP A NATIONAL ID SYSTEM

In 2024, Uganda began building a national identification registration system based on **MOSIP** ᴰᴾᴳ✿, which will be available to citizens and residents of Uganda. This work was done in partnership with the Indian Institute of Technology Bombay. The program aims to help facilitate better access to social and public services. Through the National Identification and Registration Authority (NIRA), the system has been customised to Uganda's needs, and the country is now preparing to undertake mass registration of citizens to issue new identification and renew the expired ones. Ugandans led the customisation with support from IIT-B, and capacity has been built through this approach. This is one of the advantages of using open source that the government has recognised which will also help sustainably maintain the system moving forward.

UNITED NATIONS OFFICE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

■ **Type** ┃ Multilateral

★ **DPGA Member Since** ┃ November 2022

The **UN Office of Information and Communications Technology (OICT)** enable a better, safer, and sustainable future through innovative technology. OICT is responsible for ICT strategic direction for the UN Secretariat and provides oversight of ICT programmes, systems, applications, and decision-making. OICT is committed to ensuring UN colleagues globally have the necessary ICT tools to succeed. This includes a number of initiatives that help facilitate the better use and adoption of open-source technologies, including DPGs.

United Nations
OFFICE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

STRENGTHENING THE USE OF OPEN SOURCE IN THE UN

In collaboration with the UN Office of the Secretary-General's Envoy on Technology, OICT hosted Mind the Open Source Gap, a quarterly workshop series for UN Secretariat staff exploring the opportunities and challenges of open-source adoption. Sessions attract over 600 registrants on average. In 2024 topics included strengthening digital society through public investment in open source, the role of openness in international research and innovation at CERN, and the intersection of open source and digital policy in Europe.

OICT also co-chaired Open Source United, a community of practice within the Digital Technology Network (DTN). The DTN is an inter-agency UN mechanism that fosters cooperation on digital and technology-related matters, helping to coordinate system-wide ICT policies and practices. In 2024, the community played a key role in shaping the UN Open-Source Principles, which outline eight core guidelines to promote collaboration and open-source adoption within the UN and beyond. The community also launched the UN open-source software catalog, a common open-source policy framework, and an open- source code repository to enhance resource sharing in the UN system.

REBOOT THE EARTH

Reboot the Earth is a series of coding events spearheaded by the OICT to explore how innovative solutions can help tackle the climate crisis. In 2024, OICT partnered with, UN Youth Office, FAO, DPGA Secretariat and Salesforce to engage young computer programmers to develop potential digital public goods relevant to climate change with events held online and in India, Morocco, the USA, and Ethiopia. Each event culminated in the selection of one solution to be showcased at OSPOS for Good in NYC to an international audience. Winners also received six months of mentorship. The solutions developed focused on a broad spectrum of critical issues, ranging from food security to agricultural practices and water manageme

OSPOS FOR GOOD

In 2024, OICT coordinated the second edition of OSPOs for Good. This multi-day conference gathered open-source leaders to help advocate for Open Source Programme Offices as networks that can strengthen global cooperation and facilitate positive change through technology. Building on the previous year's success, the conference helped introduce several UN system open-source initiatives to stakeholders. It also had thematic tracks on vital areas of open-source policy and highlighted emerging 'open source for good' examples from around the world.

UN OFFICE OF THE SECRETARY-GENERAL'S ENVOY ON TECHNOLOGY

THE OFFICE TRANSITIONED TO A NEW UNITED NATIONS OFFICE FOR DIGITAL AND EMERGING TECHNOLOGIES IN JANUARY 2025

■ **Type** ⏐ Multilateral

★ **DPGA Member Since** ⏐ September 2021

In January 2025 the Office of the Secretary-General's Envoy on Technology transitioned to a new UN Office for Digital and Emerging Technologies (ODET). This development flows from a decision by the UN General Assembly following the adoption of the Global Digital Compact in September 2024.

United Nations
Office of the Secretary-General's
Envoy on Technology

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

The UN Office for Digital and Emerging Technologies (ODET) will work across five strategic areas including a) serve as an advocate and focal point for digital cooperation in the UN for Member States and stakeholders; b) facilitate inclusive, multistakeholder policy dialogue on digital and emerging technologies; c) advise UN leadership on key technology trends to guide strategic approaches; d) strengthen system-wide coordination within and across the UN system on digital technologies; and e) support Global Digital Compact implementation.

GLOBAL DIGITAL COMPACT

In 2024, Office of the Secretary-General's Envoy on Technology (OSET) successfully supported the stewardship of the Global Digital Compact. The GDC is a comprehensive framework established to guide the global governance of digital technology and artificial intelligence. The GDC provides a strategic roadmap for global digital cooperation aimed at maximising the benefits of digital technology and bridging digital divides. On 22 September 2024, at the Summit of the Future in New York, 193 member states and Territories adopted the Pact for the Future, which included the GDC. This compact highlights DPGs and DPI as critical elements for driving inclusive digital transformation and innovation.

The GDC underscores the need for increased investment and broad stakeholder participation in the development of DPGs (Objective 1). OSET helped coordinate the GDC process in partnership with UN member states Zambia, Sweden and Rwanda who led the negotiations, which ultimately called for more collaboration, investment, and promotion of DPGs.

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We consider such digital public goods and digital public infrastructure to be key drivers of inclusive digital transformation and innovation. We recognise the need to increase investment in their successful development with the participation of all Stakeholders.

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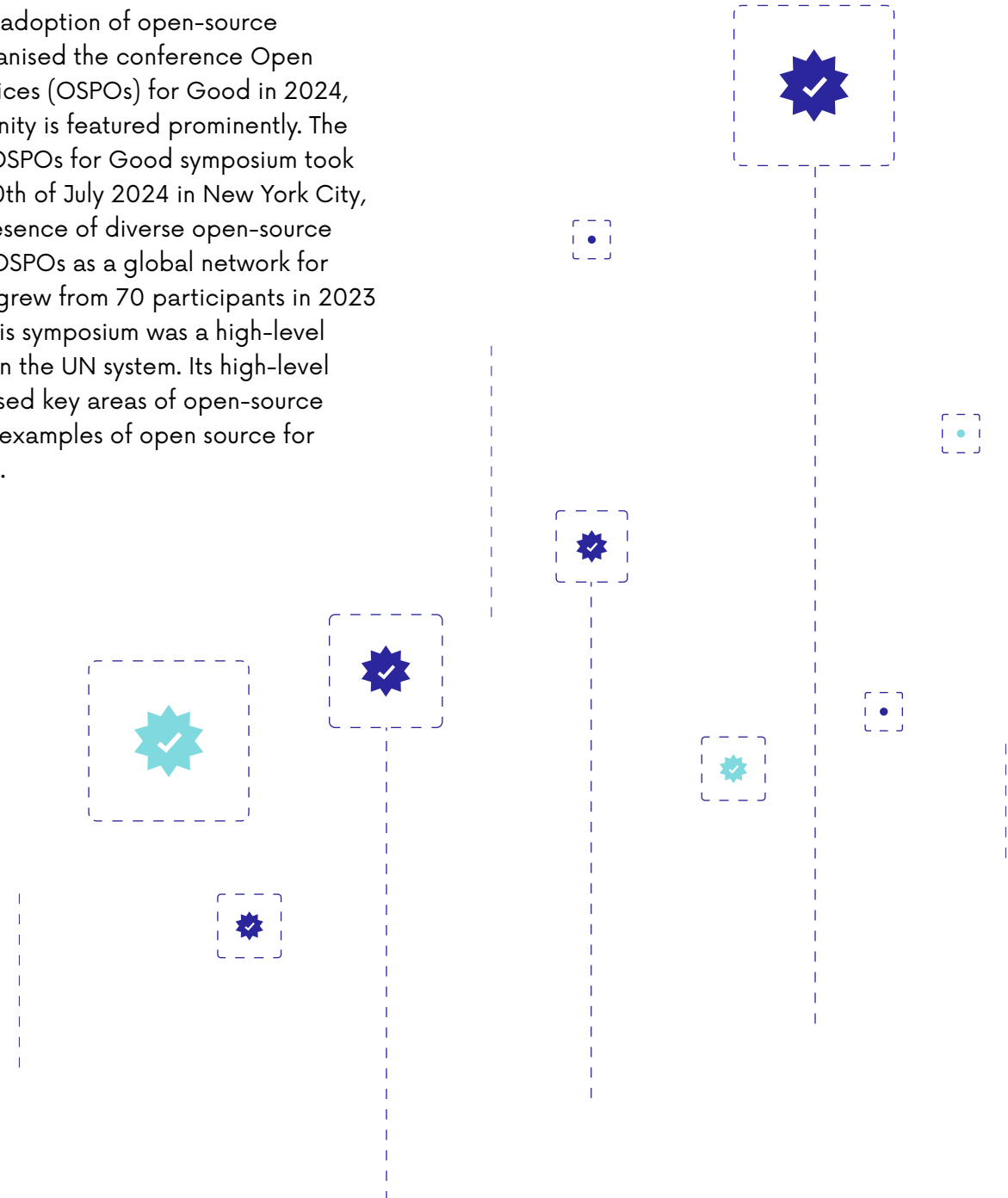
Section 16 of Global Digital Compact

DPI SAFEGUARDS INITIATIVE

Building on the UN Secretary-General's call for common frameworks for DPI to unlock the potential of DPI, while mitigating the risks, OSET and partners from UNDP launched the DPI Safeguards Initiative in 2024. The successful adoption of the GDC, which emphasises the potential for DPGs and DPI to drive positive change underscores the relevance of the initiative. During High-Level Week of the 2024 UN General Assembly, the initiative launched the first iteration of the DPI Safeguards Framework. For the creation of the framework, the initiative engaged 44 DPI experts (from the public and private sectors, civil society, development agencies, and academia), 13 organisations constituting the International Organisations Consulting Group (IOCG), 12 countries, as well as the public through 13 convenings, and received feedback from over 100 contributors.

The initiative also focuses on DPG4DPI, a crucial category of open-source products essential for building sovereign digital public infrastructure and supporting rights-respecting technologies. Additionally, this initiative is integrated into the 50-in-5 campaign, providing a platform for countries to collaborate and share best practices on DPI safeguards.

OSPOS FOR GOOD 2024: DRIVING GLOBAL OPEN SOURCE COLLABORATION TO ACHIEVE THE SUSTAINABLE DEVELOPMENT GOALS

To facilitate the global adoption of open-source solutions, ODET co-organised the conference Open Source Programme Offices (OSPOs) for Good in 2024, where the DPG community is featured prominently. The second edition of the OSPOs for Good symposium took place on the 9th and 10th of July 2024 in New York City, with a richer global presence of diverse open-source thinkers, championing OSPOs as a global network for good. The conference grew from 70 participants in 2023 to over 500 in 2024, this symposium was a high-level event for open source in the UN system. Its high-level thematic tracks addressed key areas of open-source policy and highlighted examples of open source for good around the globe.

UN WOMEN

■ **Type** ∣ Multilateral

★ **DPGA Member Since** ∣ November 2024

UN Women is the United Nations entity dedicated to gender equality and the empowerment of women. As global champion for women and girls, it was established to accelerate progress on meeting their needs worldwide. Through their work, UN Women supports UN Member States as they set global standards for achieving gender equality, and works with governments and civil society to design laws, policies, programmes and services needed to ensure that the standards are effectively implemented and truly benefit women and girls worldwide.
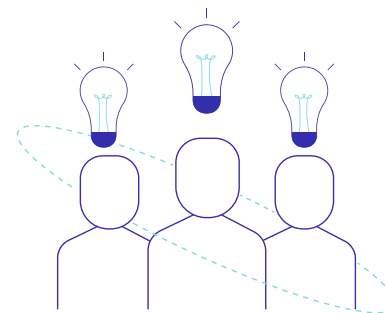
CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

HOW UN WOMEN IS ADVANCING DPGS

In March 2024, UN Women collaborated with the DPGA in holding a side-event during the Commission on the Status of Women 68 bringing together a range of individuals to conceptualise how DPGs could support women and girls to access justice when they experience various forms of violence. The women's empowerment CSO PEKKA in Indonesia, the Women Lawyers Organisation of Malawi and the Clooney Foundation for Justice, together with tech enablers and DPG creators, discussed how the prevention and response to the child marriage of girls could be strengthened through adapting existing DPGs4DPI.

UN Women joined the DPGA towards the end of 2024 and outlined Roadmap Activities that focuses on three core areas in the years ahead:

MOBILISE AND ADVOCATE FOR GREATER KNOWLEDGE, INVESTMENT AND IMPLEMENTATION OF DPGS FOR GENDER JUSTICE THROUGH THE COMMISSION ON THE STATUS OF WOMEN AND OTHER HIGH-LEVEL UN MEETINGS

This involves advancing the use of DPGs through various initiatives, including collaborative design tailored to women's needs, adapting existing as well considering new DPGs for diverse female users, and investing in gender-just digital solutions. Additionally, UN Women, in the lead up to the sixty-ninth Commission on the Status of Women, commemorating the thirtieth anniversary since the Beijing Conference on Women, will highlight examples of existing DPGs that have integrated design features and other innovative practices to deliver beneficial impacts for women and girls.

At the DPGA Annual Members Meeting in Singapore in November 2024, UN Women facilitated a session on "A DPI Stack for Women and Girls: Facilitating Social Inclusion" which brought together countries, DPG creators and donor partners to consider how they measure the awareness, access and use of DPGs by women and girls to provide life-long opportunities and services.

DPGS TO CONNECT WOMEN AND GIRLS FACING VARIOUS FORMS OF VIOLENCE WITH PARALEGAL/LEGAL ASSISTANCE

UN Women is working with Agami and other CSOs on OpenJustice DPGs to solve the problems faced by women and girls trying to obtain information they can trust through voice or text communications. The initiative aims to help individuals find and interact with paralegals and lawyers, and seek legal remedies and protection through the completion of online forms using AI translation features so that women and girls can communicate in the language they use everyday. The OpenJustice DPGs will also enable referrals to relevant services, including social protection programmes and scholarship programmes aimed at supporting girls to remain in secondary and tertiary/ vocational education. An example of how they could work is to connect

women and children who have experienced human trafficking and/or labour exploitation with available compensation and labour grievance mechanisms to obtain compensation for unpaid wages and other labour entitlements. The DPG will facilitate the discovery of available compensation and grievance mechanisms and assist with completing online forms and other documentation in a language that is understood by the applicant.

UN Women understands that it is important that the 'digital' in DPG does not substitute for face-to-face interactions with trusted intermediaries and frontline services. UN Women's DPGA Roadmap Activities will demonstrate how DPI and grass-roots mobilisation and community development need to work together to realise the inclusion at scale that DPI envisages, including for women and girls.

DPGS TO SUPPORT THE PREVENTION AND RESPONSE TO CHILD MARRIAGE

Build the marriage registration component of OpenCRVS ^{DPG} ✿, a DPG supporting civil registration and vital statistics, as a way of providing key legal protections to women and their families during marriage and if a relationship ends, as well as preventing child marriage. Integrate an age verification safeguard process for national digital CRVS and ID systems and consider integrations to national social protection programmes. This DPG integration would address the large proportion of child marriages that are not registered.

IMAGE: Cate Sumner, Senior Consultant Digital Public Goods for Gender Justice, UN Women, and Edward Duffus, OpenCRVS, joined the 2024 DPGA AMM in Singapore. Photo Credit: Derrick Ng Jun Peng.

UNITED NATIONS DEVELOPMENT PROGRAMME

Type | Multilateral

★ **DPGA Member Since** | September 2021

UNDP works in over 170 countries and territories, with a mandate to eradicate poverty, reduce inequalities and exclusion, and build resilience. As the UN's development agency, UNDP plays a critical role in countries accelerating inclusive digital transformation as an enabler of the Sustainable Development Goals. This includes catalysing the responsible development, adoption and use of digital technologies, particularly DPGs, to deliver meaningful outcomes for all. UNDP also serves as a member of the DPGA Governance Board.

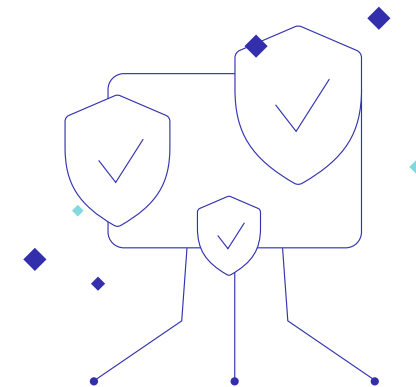## CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

In 2024, UNDP advanced multi-stakeholder dialogues and action to strengthen the global DPG Ecosystem. From spearheading initiatives and convenings, to delivering technical support, the organisation redoubled its efforts to steer global digital agendas, establish strategic partnerships and catalyse action coalitions that empower local ecosystems. With a focus on DPGs, UNDP's engagements continue to expand choices for countries on their digital transformation journey, as they work towards accelerating progress on the Sustainable Development Goals.

OSEE (OPEN SOURCE ECOSYSTEM ENABLER) INITIATIVE

A joint initiative between UNDP and the International Telecommunication Union (ITU), with support from the European Union, OSEE aims to support governments and institutions in their digital transformation journey and provide guidance on how to use, sustain and share open-source solutions and DPGs. As part of the initiative, dedicated open source programme offices (OSPOs) are being established within countries to facilitate the use and sharing of open-source software. In 2024, UNDP announced the selection of Trinidad and Tobago as the first of these OSPOs, which is hosted in the University of the West Indies St. Augustine Campus (UWI-STA). Additional countries are soon to be announced as OSPO hosts, which will help catalyse digital public services that are accessible, inclusive and sustainable for local communities.
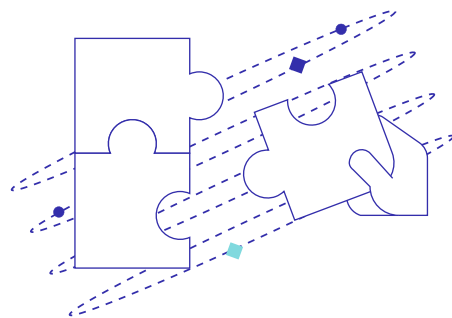
UNIVERSAL DPI SAFEGUARDS INITIATIVE

In 2024 with safeguards adopted by the Global Digital Compact, the DPI Safeguards initiative, stewarded by the United Nations Office of Digital and Emerging Technologies (ODET) and UNDP released the Universal DPI Safeguards Framework. Offering actionable guidelines for DPI design and implementation that serve the public interest, and ensure safe and inclusive adoption of DPI, the Framework complements the ongoing 50-in-5 campaign which promotes collaboration and knowledge-sharing across countries to advance DPI. In 2025, the DPI Safeguards Secretariat will focus on implementations and evolution of the Framework, working with DPGs and in countries, guided by a continuous listening–learning updating process, global mainstreaming and catalytic implementations in countries.

50-IN-5 CAMPAIGN

As a partner of the 50-in-5 campaign, UNDP continued to strengthen the growing coalition of countries towards greater collaboration and collective impact on DPI. During the United Nations General Assembly in September 2024, UNDP served as an event champion for 50-in-5's "DPI for People and Planet" milestone event. This brought together high-level representatives from participating 50-in-5 countries as well as global leaders and stakeholders from the DPI and DPG communities. The event advanced dialogues on how civil society, the private sector and governments can work together to implement safe, inclusive and interoperable DPI. With new announcements in 2024 bringing the total number of participating countries in the 50-in-5 campaign to 22, UNDP is committed to mainstreaming learnings, best practices, and technologies that can shorten countries' DPI implementation journeys.

CLIMATE DPG4DPI

Together with the DPGA Secretariat and partners such as Co-Develop, GIZ, the Rockefeller Foundation, USAID, and the World Bank, UNDP facilitated a series of research-focused activities in 2024. The focus was on investigating how DPGs may play an even greater role in addressing the critical planetary challenges of our time, such as those related to nature, climate, energy and the environment. In 2025, this work will culminate with a white paper highlighting how DPGs can be leveraged for DPI implementation to address climate change, aligning with frameworks such as the Paris Agreement and the Global Biodiversity Framework while responding to countries' unique demands.

Beyond research, UNDP is actively responding to the global climate crisis by developing digital public goods using open-source code. Following actions taken at COP29, the team behind UNDP's DPG-accredited [National Carbon Credit Registry](#) ᴰᴾᴳ ✦, further advanced the Registry to align with the latest requirements under Article 6 of the Paris Agreement. These latest improvements will enhance transparency, interoperability and environmental integrity in international carbon transactions, and support parties in meeting their nationally determined contributions (NDCs) more effectively.

OPEN SOURCE UNITED

In late 2024, the United Nations Chief Executives Board for Coordination (CEB) approved the Open Source United (OSU) initiative, designed to become a collaborative community of practice focused on open-source technology strategy and implementation across the entire UN system. In 2024, participants including UNDP developed an Open-Source Common Policy Framework and the UN Open-Source Principles, which will be published for consumption and adoption in 2025. The Open-Source Principles are focused on sustainable stewardship and usage of open-source projects, and are intended as guidance not only for UN parties, but also aim to be endorsed by governments, civil society, and the private sector. In early 2025, OSU will launch a suite of online resources to help raise awareness of DPGs and other open source solutions used within the UN system, and to promote more collaboration.

DATA TO POLICY NAVIGATOR

UNDP's Data to Policy Navigator, developed in collaboration with the German Agency for International Cooperation (GIZ) and the German Federal Ministry for Economic Cooperation and Development (BMZ) was recognised as a digital public good in 2024. The Navigator is designed to assist global policy-makers in making more informed decisions by leveraging data insights. This recognition enhances the tool's discoverability among a broader community of practitioners, building on the 15,000 people in 197 countries who are using the Navigator to support their work. The Navigator won a bronze for the 2024 Anthem Awards which celebrate projects that are committed to driving positive global change.
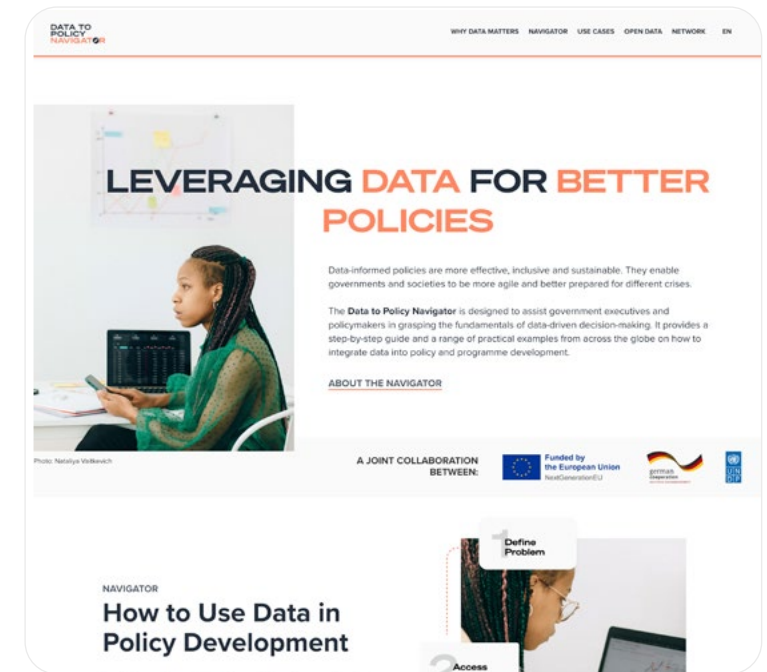
DPG SPOTLIGHT
DATA TO POLICY NAVIGATOR

A knowledge hub for upskilling policy-makers worldwide, equipping them with the capacity of data-informed decision-making to advance the SDGs.

DATA TO POLICY NAVIGATOR

Policy-makers used to grapple with how to make sense of both traditional and emerging datasets. They needed reliable and timely ways to collect, manage and analyse various datasets. Yet, many policy-makers lacked the training, tools and political support to fully leverage these datasets. This created a gap between the wealth of data available and how to leverage this data for evidence-based policy-making. As a result, suboptimal resource allocation and missed opportunities in addressing critical issues like water management, infrastructure planning and healthcare would often arise.

The **Data to Policy Navigator** is a step-by-step guide for policy-makers to incorporate data into decision-making. It offers a curated library of real-world use cases and a repository of open databases to support data-informed policy design.

The **Data to Policy Navigator** is the result of a collaboration between DPGA members UNDP and BMZ, through GIZ, together with the European Union. Since its launch in September 2023, the **Data to Policy Navigator** has attracted more than 27,000 active users and is helping to drive real-world impacts. In **Kenya's Tana River County**, local policy-makers facing projected declines in water reserves connected with a project coordinator in the Democratic Republic of the Congo (DRC) through UNDP Kenya's Accelerator Lab. They learned how the DRC was using the free, open-source platform, 'mWater' to save money on software licenses and gained insights to improve water management in Kenya. This exchange was made possible through the **Data to Policy Navigator**'s accompanying learning session series, designed to facilitate this kind of knowledge-sharing and collaboration.

Moving forward, as data becomes central to the fast-evolving world of AI, it is important to consider how these new technologies can be responsibly integrated into public policy. The **Data to Policy Navigator** is preparing an AI-focused component to be launched later in 2025, that will provide guidance on leveraging AI tools for data-informed policy-making.

The **Data to Policy Navigator** team will also facilitate knowledge-sharing opportunities, recognising that each success story can accelerate progress on development outcomes. With a focus on sustainability and collective action, the **Data to Policy Navigator** will continue to expand its reach—bringing critical data skills to policy-markers and creating a legacy of effective, sustainable and inclusive data-informed policy-making around the world.

UNICEF

■ **Type** ∣ Multilateral
★ **DPGA Member Since** ∣ June 2020

UNICEF, the United Nations agency for children, works to protect the rights of every child, especially the most disadvantaged and those hardest to reach. Across more than 190 countries and territories, they do whatever it takes to help children survive, thrive and fulfil their potential. In addition to being a founding member of the DPGA, UNICEF also serves as a member of the DPGA Governance Board.

unicef ✿

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

ADVOCATING FOR DPG INCLUSION IN THE GDC

In 2024, in collaboration with Norad and the DPGA Secretariat, UNICEF helped advocacy efforts to ensure DPGs were prominently mentioned in the Global Digital Compact as well as calls to support and invest in them. UNICEF's role led to clear recognition of and commitment to DPGs in the GDC. The final document highlights DPGs as one of the key drivers of inclusive digital transformation and innovation, and their role to empower societies and individuals to direct digital technologies to their development needs. It is the first time when DPGs are recognised in a document adopted by all UN Member States.

DPGS X YOUTH: SUPPORTING LOCAL YOUTH'S DPG CAPACITY

UNICEF supports youth-led startups and young entrepreneurs who develop in open source, recognising their future role as builders, maintainers and owners of DPGs and regional DPIs. UNICEF country offices work with local startup accelerators to expand their programming with classes about open-source licensing, business models, and the DPG Standard. Also, in 2024 UNICEF accelerated work towards integrating DPG elements into national student curricula in Kazakhstan, Ghana and Sierra Leone.

UNICEF Venture Fund: Investing in Open-source Solutions The Fund supports a portfolio of early-stage open-source innovations. The portfolio has grown to 153 solutions across 87 countries developed by COs and startups in programme countries, reaching a total of 128.6M beneficiaries (a 212% increase from 2023). Most new investments focus on essential digital infrastructure for multi-sectoral applications, followed closely by solutions for education and learning. The Venture Fund portfolio now has 25 solutions recognised as DPGs. Additionally, five solutions are built on existing DPGs, bringing the total count of DPGs and DPG-based initiatives to 30. Over 60% of solutions that expanded to 11 or more countries are DPGs.

50-IN-5 CAMPAIGN

UNICEF played a key role as a supporting organisation in the 50-in-5 campaign, helping to onboard new countries and facilitate the exchange of learnings and best practices. This year UNICEF also served as an event champion for the 50-in-5's "DPI for People and Planet" milestone event, that brought together high-level representatives from participating 50-in-5 countries, and stakeholders in the DPG and DPI communities, to illustrate how countries can work together to implement the GDC in a safe and inclusive way.

DJENGA SOFTWARE MATURITY ASSESSMENT TOOL

The Djenga Software Maturity Assessment is a tool to support product owners in analysing DPGs maturity, which enables them to evaluate, compare, and identify areas for improvement. UNICEF developed this tool in 2023, continuously refined the tool indicators, and expanded its internal implementation. Through the implementation process, UNICEF has identified challenges with maturity assessments that are too technical for non-engineering professionals to conduct effectively. In response to this challenge, a collaborative initiative is underway for 2025, bringing together key stakeholders, including DPGA, FAO, Digital Square, and GitHub. This collaboration aims to develop a set of "fundamental indicators" that will be easy to use for all stakeholders in the DPG Ecosystem. This new set of indicators will serve as a common baseline for assessment across indicators several organisations have already developed.

SCALING-UP UNICEF-SUPPORTED DPGS FOR IMPACT FOR CHILDREN

In 2024, UNICEF continued to grow, evolve and scale-up DPGs with transformative impact for children, including Oky DPG ✸, Bebbo DPG ✸ and RapidPro DPG ✸. In September 2024, Oky won the prestigious SDG Digital GameChanger Award 2024, recognising its impact for girls across the globe. UNICEF's Bebbo App and magasin DPG ✸ were recogniszed as DPGs, while RapidPro celebrated its 10-year anniversary, marking a decade of innovation and impact.

IMAGE: Courtesy of UNICEF.

IMAGE: Courtesy of UNICEF.

DPG SPOTLIGHT
RAPIDPRO

A platform to build interactive messaging systems using an easy visual interface.

RapidPro

When disasters strike, the lack of accessible life-saving information and vital services leaves millions of children and families disconnected, disrupts education, and prevents access to essential social and health services like vaccinations and subsidies.

RapidPro is a mobile messaging platform enabling governments and development partners to gather accurate real-time information on vital areas such as health, nutrition, education, emergencies, water and sanitation, and child protection—even in remote and hard-to-reach places—and use that data to reach those most in need.

RapidPro was developed by UNICEF in partnership with TextIt. Since its inception in 2014, it has been adopted by both public and private organisations including the **World Food Programme (WFP)**, **World Bank** and **GAVI** among many others. Ongoing updates—like enhanced documentation and open-sourced components—continue to expand its impact and usability worldwide.

In 2017, a significant landslide occurred in Freetown, Sierra Leone, destroying homes, displacing over 4,000 people and leading to the loss of over 500 lives. Throughout the crisis victims struggled to access critical information, resources, and essential services. In response, by using **RapidPro**, UNICEF and Sierra Leone's Ministry of Health successfully mobilised and trained 300 community health workers to collect data. This helped ensure that aid and supplies reached affected populations during this emergency.

Implemented across more than 131 countries and facilitating more than 5 billion exchanged messages, **RapidPro** is enabling stakeholders to make data-driven decisions and engage youth meaningfully in development programs. Aside from emergency response, the solution has been adapted for a number of different use cases. For example it has been used to assist teachers by tracking attendance and identifying at-risk learners early, to support health workers to remind individuals about immunisations to boost community health outcomes, to enable child protection officers to respond swiftly to vulnerable children's needs, and by governments to use real-time monitoring to adapt nutrition programs for better serving communities.

In 2024, **RapidPro** celebrated 10 years of impact. In the next decade, **RapidPro** aims to evolve alongside new technologies, continuing to serve as an engine for innovation for governments and development partners to collect, analyse and use data. Through a partnership-driven model, **RapidPro**'s goal is to be a key player in achieving the UN Sustainable Development Goals, ensuring that every child can survive challenges like emergencies and health risks and thrive.

GOVERNMENT OF UKRAINE

📁 **Type** | Government

⭐ **DPGA Member Since** | September 2024

In 2024 **Ukraine** joined the DPGA. Vice Prime Minister for **Innovations, Development of Education, Science and Technologies – Minister of Digital Transformation of Ukraine**, Mykhailo Fedorov, announced their membership and participation in 50-in-5 campaign at the "DPI for People and Planet" event. Their membership is represented by the Ministry of Digital Transformation which is responsible for the implementation of policies relating to digital technologies, innovation, and the provision of government e-services. Established in 2019, the Ministry aims to transform lives, institutions, and businesses through digital technology. Since then, Ukraine has made significant progress towards becoming a global leader in digital transformation.

Ministry
of Digital Transformation
of Ukraine

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

EVALUATING SOLUTIONS THAT CAN BECOME DPGS

To drive efficient progress, the Ministry developed Diia — an ecosystem of digital products that simplify the lives of Ukrainians with just a few clicks. Its core product, Diia state super-app, serves over 22 million users, offering 28 digital documents, 30+ services, and a built-in digital signature. In addition to the super-app, they also have Diia state portal with more than 130 services, alongside Diia.Education, an edutainment platform for reskilling and digital literacy; Diia.City, to support IT business growth with unique legal and tax regimes; Diia.Engine enabling government agencies to create registers and automate services efficiently, and Diia.Business – the national project to promote SME development.

In 2024, the Government of Ukraine began evaluating products to identify which could be made open-source, and which could become DPGs as a means to assist other countries in need of similar solutions. Diia began steps in 2024 to become compliant with the DPG Standard. Complementing this, were efforts to share best practices learned from the creation and deployment of Diia with other countries—however, this is just the start of their international collaborations. As they begin updating documentation and dependencies to align with the DPG Standard, the government is committed to working more closely with other countries interested in adoption.
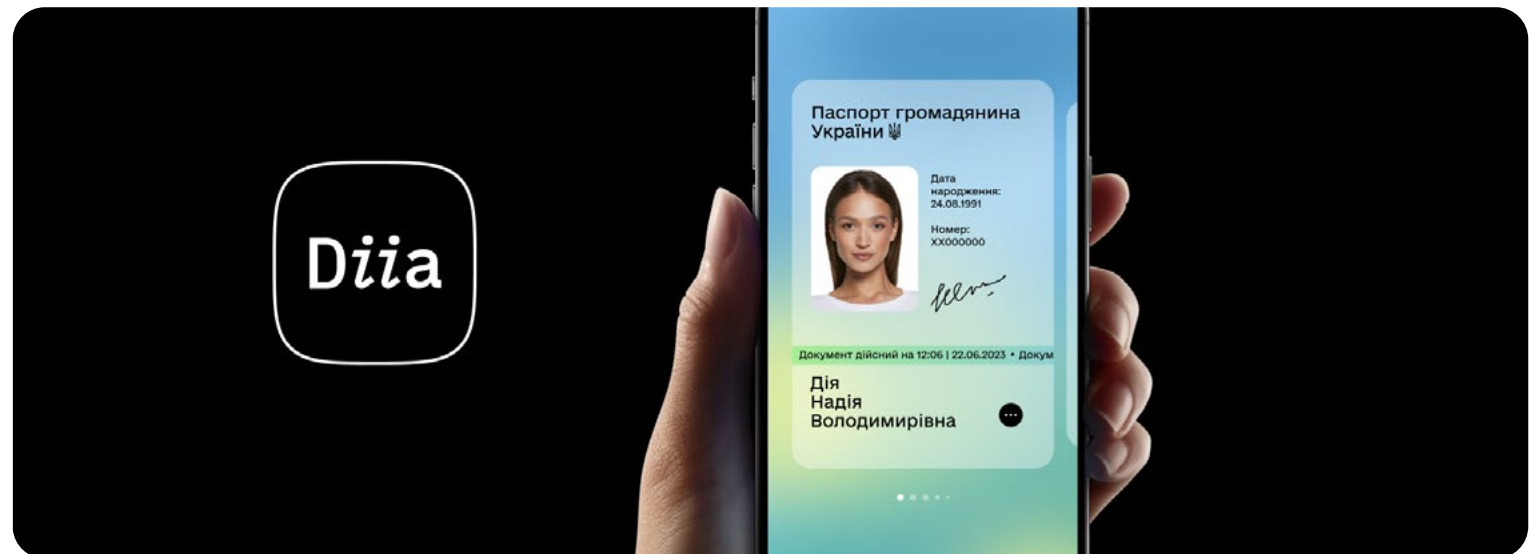

IMAGE: Courtesy of the Government of Ukraine.

GOVERNMENT OF URUGUAY

■ **Type** | Government

★ **DPGA Member Since** | November 2024

The **Government of Uruguay** joined the DPGA via The Agency for Electronic Government and Information and Knowledge Society, AGESIC in 2024. AGESIC is tasked with leading the implementation strategy of the country's Electronic Government and promoting inclusion through the use of information and communication technologies. The Government of Uruguay also underscores its commitment to safe, inclusive and interoperable DPI by joining the 50-in-5 campaign in September, 2024.

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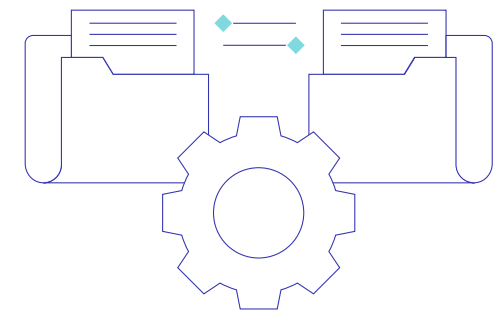# CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

TRACING THE USE OF DIGITAL SERVICES BY URUGUAYANS TO IMPROVE INTEROPERABILITY

In order to better seize opportunities for digital interoperability and potential use of DPGs, the Government of Uruguay plans to better record and analyse the various times citizens consult and reach out to the government for digital assistance and services. By doing so, the government aims to help foster better interoperability for services and improve decision making for when to deploy a digital solution - including when to use DPGs. Through Software Publico Uruguayo, the country's open-source software platform, Uruguay is updating the ingestion and query interfaces for interoperability. This information will be uploaded to the "**Software Público Uruguayo**" web page.

Promoting the use of DPGs within the Government While the Government of Uruguay has extensive experience deploying open-source solutions, there is still a need to further promote and create an enabling environment for the success of DPGs. To assist in this effort, AGESIC is coordinating knowledge sharing processes within the government and helping to promote the DPG Standard while advocating for "open-source first policies"—both when creating new policies and when revisiting existing ones.

COUNTRY COLLABORATION ON DPGS AND DPI

The Government of Uruguay, which joined 50-in-5 in 2024, is sharing knowledge and experience with different governments, seeking to leverage citizenship focused solutions. By sharing Uruguay's learnings regarding building technology for public good and incorporating DPI best practices they hope to help other countries accelerate their digital transformation journeys and facilitate greater alignment with the DPG Standard.

USAID

- **Type** | Government
- ★ **DPGA Member Since** | June 2022

The **United States Agency for International Development (USAID)** is the government agency that leads international development and humanitarian assistance efforts. USAID's efforts provide humanitarian assistance, reduce poverty, strengthen democratic governance, advance economic opportunities, and help achieve progress beyond programs. USAID's investments help achieve sustainable development progress, advancing our collective security, health, and prosperity.

USAID
FROM THE AMERICAN PEOPLE

CONTRIBUTION TO THE DPG ECOSYSTEM IN 2024

LAUNCH OF USAID'S 10-YEAR DIGITAL POLICY

In July 2024 USAID launched their 2024–2034 Digital Policy, which includes a commitment to supporting DPGs and exploring the potential impacts of DPGs on sustainability and suitability for local stakeholders, contexts, and systems. USAID also committed to developing a roadmap that will inform strategic support for both DPGs and DPI and where DPGs can be best used in their activities.

DPG AND DPI ADVOCACY

USAID's Office of Digital Technologies launched their DPG workstream which sought to increase Agency awareness of DPGs and their potential use in programming. The workstream's aim was to increase evidence needed to make DPGs more sustainable. By creating a specific workstream, USAID could proactively support contextually-appropriate and sustainable use of DPGs within USAID programming. This work also complemented their supporting role for the 50-in-5 campaign

Digital Square, which is supported by USAID, engaged Brazil's G20 Presidency's Health Working Group in 2024 through a series of co-branded events that promoted the localisation of DPGs and DPI. The events convened representatives of governments, academic and research organisations, multilateral and bilateral agencies, international organisations, and private sector companies both in-person and virtually to build consensus around key topics related to DPI and DPGs for health. For more on this, read **Digital Square's section** of this report.

SUPPORTING UKRAINE'S MINISTRY OF DIGITAL TRANSFORMATION

USAID has supported Ukraine's Ministry of Digital Transformation to share its software and expertise in digital government to assist other countries in need of similar solutions. USAID also worked with Ukraine to explore adapting government created software to meet the DPG Standard in order to support partner countries jumpstarting their own digital government investments using open-source tools developed in Ukraine such as Diia.

YOUTHMAPPERS

YouthMappers is a global community of students, researchers, educators, and scholars that use public geospatial technologies to highlight and directly address development and environmental challenges worldwide - including disasters and humanitarian crises. YouthMappers contribute to **OpenStreetMap (OSM)** DPG ✿ which is a free and open map of the world enabling location based services for modern digital economies. With USAID support, YouthMappers have added or updated more than 26 million platform features.

CONCLUSION

LOOKING AHEAD

The past year has underscored the vital and positive impact of digital public goods across diverse sectors. These ranged from enhancing governments' ability to deliver healthcare and education through more effective and modern systems, to bridging financial inclusion gaps with digital payments and IDs. Additionally, they also enabled governments to deliver services more efficiently through improved data sharing and have helped identify actions needed to respond to, mitigate, and monitor climate change amongst much more.

The uptake of DPGs, including the strength and variety of efforts that DPGA members engage in through Roadmap activities, serves as a clear signal of the growing interest in a shift away from traditional digital transformation efforts. Governments and organisations are seeking solutions that offer them ownership, protect their digital sovereignty, and provide the flexibility to adapt to future challenges. The reliance on proprietary systems and the constraints of vendor lock-in have proven inadequate for the rapidly evolving needs of today. Instead, there is an increasing demand for DPGs that can facilitate international collaboration, foster local entrepreneurship, and put countries in the driver's seat of their own digital transformation journeys. This is why DPGs are not only desirable but essential.

Still, the path forward is not without challenges and requires both the continued backing of core principles of transparency and sharing, as well as the evolution and expansion of the DPG Ecosystem:

Open-washing, or the appearance of a digital solution being open and adaptable, when in reality it is not, is on the rise, especially in relation to AI, and is underscoring the need for the DPG Standard.

Greater collaboration with private sector entities is needed for successful stewardship and country implementations of many DPGs. We urgently need principles that can ensure that such collaboration is beneficial to implementing countries and DPG product owners alike, and does not result in unfair value extraction or new forms of lock-in, for instance to non-portable cloud hosting services. An ideal model would ensure that both implementing country capacity and agency in addition to the core DPGs as products, are strengthened as part of private sector driven DPG-implementation processes.

As international development funding becomes increasingly scarce, an evidence-based approach to advocacy for "why DPGs are needed" and exploring sustainable financial models for DPGs is more important than ever.

As we navigate this complicated path, the urgency to address pressing global issues that DPGs can help address, such as how AI can serve the public interest, and how to solve information pollution and climate change will only continue to intensify.

The power of collective action remains our greatest asset and underscores why it is so important that countries and organisations come together as members of the DPGA. The **Calls for Collaborative Action** introduced in this report are designed to harness the strengths of DPGA members and DPGs themselves. These calls provide a platform for multiple stakeholders to contribute in ways that leverage their strengths best, and to advance solutions and make specific contributions that can together, make a lasting impact.

Together, Alliance members, DPG product owners and other stakeholders throughout the DPG Ecosystem can create a more inclusive, equitable, and sustainable future for all. As the DPGA Secretariat, we look forward to continuing to facilitate collaboration with all stakeholders across the DPG Ecosystem in the year ahead and hope you will join us.

ACRONYMS

AI	artificial intelligence
ADB	Asian Development Bank
AGESIC	The Agency for Electronic Government and Information and Knowledge Society, Uruguay
AMM	DPGA's Annual Members Meeting
API	application programming interfaces
BMZ	German Federal Ministry for Economic Cooperation and Development
CDPI	Centre for Digital Public Infrastructure
COP	community of practice
CRVS	civil registration and vital statistics
DIAL	Digital Impact Alliance
DIGIT	Digital Infrastructure for Governance, Inclusion & Transformation
DPGA	Digital Public Goods Alliance
DPG	digital public good
DPGS4DPI	digital public goods for digital public infrastructure
DPI	digital public infrastructure
DRC	Democratic Republic of the Congo
FAO	Food and Agriculture Organization of the United Nations
FHIR	fast healthcare interoperability resources
G2P	government to person
GDC	Global Digital Compact

GIZ	Deutsche Gesellschaft Für Internationale Zusammenarbeit / German Agency for International Cooperation
IDB	Inter-American Development Bank
ITU	International Telecommunications Union
JICA	Japan International Cooperation Agency
MOSIP	Modular Open Source Identity Platform
NORAD	Norwegian Agency for Development Cooperation
ODET	UN Office for Digital and Emerging Technologies (former OSET)
OICT	UN Office of Information and Communications Technology
OFE	OpenForum Europe
OKFN	Open Knowledge Foundation
OSI	Open Source Initiative
OSET	UN Office of the Secretary-General's Envoy on Technology
OSPO	open source programme office
OSU	Open Source United
SDG	Sustainable Development Goal
UN	United Nations
UNDP	United Nations Development Programme
UNICEF	United Nations Children's Fund
USAID	United States Agency for International Development
WHO	World Health Organization

2024 STATE OF THE DIGITAL
PUBLIC GOODS ECOSYSTEM

digitalpublicgoods.net