Gates Foundation

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DIASCA Digital Integration of Agricultural Supply Chains Alliance

COSA Committee On Sustainability Assessment

AGILE DATA & DPI SUMMIT 2026

Agile Data & DPI Summit 2026

Roadmap

9 Activities across 3 Strategic Areas

Promoting farmer-centric agile data in an inclusive digital public infrastructure ecosystem

1. Executive Summary

This roadmap consolidates the outcomes of the DPI for Agriculture Summit, where practitioners, farmers, policymakers, technologists, and development partners came together to chart a collective path toward building inclusive digital public infrastructure for smallholder agriculture. The result is a coherent action plan comprising **nine concrete activities,** organised into **three strategic buckets: Network, Projects, and Tools & Enabling Technology.**

The **Network bucket** focuses on establishing the collaborative foundations - a shared community vision, clear governance structures, and mechanisms for sustained engagement across diverse stakeholders. The **Projects bucket** translates ambition into action through four pilot initiatives: a trust framework to ensure DPI "does no harm," a zero-deforestation compliance use case, a farmer data wallet creating a sustainable data-driven ecosystem for farmers, and an AI-powered system delivering real-time, demand-driven support to farmers. The **Tools & Enabling Tech bucket** provides the foundational infrastructure - global standards for data democracy, expanded digital connectivity in rural areas, and a task force to drive system interoperability through API testing.

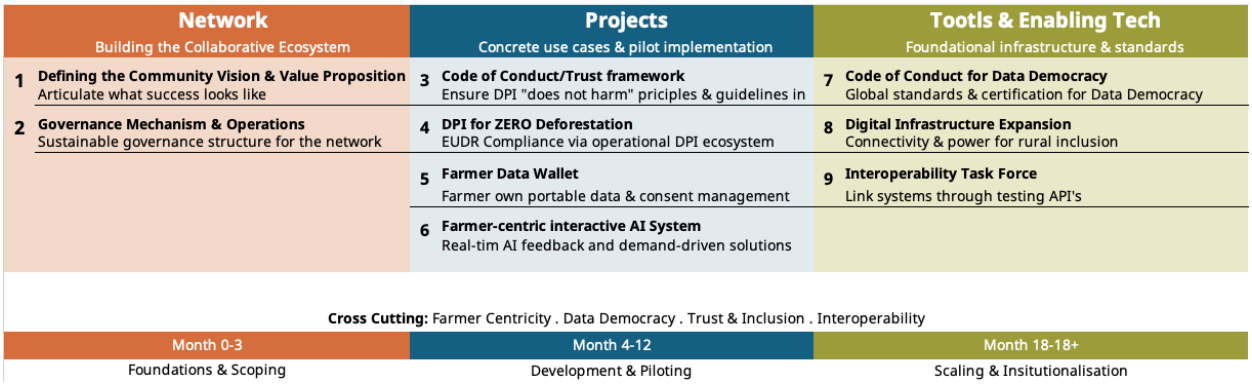
Together, these nine activities are designed to reinforce one another. Governance frameworks enable trust; trust enables data sharing; data sharing powers AI tools and compliance systems; and interoperability ensures that all components can work together at scale. The roadmap envisions a phased approach: foundation-laying and scoping in months 0–3, development and piloting in months 4–12, and scaling and institutionalisation from month 13 onward.

The following pages detail each activity's objectives, scope, stakeholders, resource needs, and recommended near-term actions, followed by a visual overview of the entire roadmap and its timeline. It is informed by the report submitted by participants and summarized with AI support. The full reports are accessible in annexes.

2. Roadmap Overview

The diagram below presents all nine activities across the three strategic buckets, illustrating how they relate to one another and to the overall timeline. The Network activities provide the collaborative foundation, the Projects deliver tangible impact through piloted use cases, and the Tools & Enabling Tech activities supply the infrastructure and standards on which everything else depends.

Figure 1: Action Plan Roadmap Overview



3. Network - Building the Collaborative Ecosystem

The Network bucket addresses the foundational question of how diverse stakeholders — from development partners and funders to farmer organisations and technology providers — come together, align on a shared purpose, and sustain their collaboration over time. Without a clear community vision and robust governance, even the most promising technical initiatives risk fragmentation. These two activities provide the connective tissue that holds the entire roadmap together.

3.1 Defining the Community Vision & Value Proposition

- **Potential lead(s):** COSA
- **Contributors:** Gates Foundation (Ag Dev & DPI), GIZ/DIASCA, and Summit invitees.

Objective	Clearly articulate the **value proposition** — including what success looks like — in order to attract members, funders, experts, and partners to the DPI for Agriculture initiative.
Description	This activity centres on building a compelling, shared narrative for the community. It involves extracting lessons learned from the Summit, inviting the broader community to opt in, forming a voluntary working group to develop a draft vision and value proposition, establishing Terms of Reference, and socialising the draft with the wider community for iterative refinement. A stakeholder mapping exercise will identify key actors to engage.
Stakeholders	COSA, Gates Foundation (Ag Development & DPI), GIZ/DIASCA, Summit invitees and participants.
Resources Needed	Volunteer engagement and commitment from core partners.
Next 3 Months	• Extract Summit learnings and publish on website; • invite the broader community to opt in; • form a voluntary drafting group; • develop Terms of Reference; • produce a first draft of the vision and value proposition; • begin stakeholder identification and mapping.

Related Sprint report: Communication for Momentum

Potential addition: The importance of strategic communication and leveraging AI

3.2 Governance Mechanism & Operations

- **Potential lead(s):** Steering Committee (DPI & Agile Community) = DIASCA & COSA (then potential self-nominating process to allow for other stakeholders participation)
- **Contributors:** TBD

Objective	Establish a sustainable **governance structure for the network** that prevents fragmented silos, builds trust, and provides operational clarity on roles, membership, and decision-making.
Description	This activity explores governance models suited to the network's needs — drawing inspiration from successful networking models both within and beyond the agricultural sector. It will determine when working groups are needed, how decisions are made, whether funding is centralised or distributed, and how the governance structure can evolve through self-nominating processes over time. The possibility of formalising as an association is under consideration.
Stakeholders	Conveners, funders, broader network members, a Steering Committee (currently DIASCA & COSA) with future self-nominating seats.
Resources Needed	Existing funders (Gates Foundation, GIZ) with an urgent need to identify additional donors and matchmaking/resource-allocation opportunities.
Next 3 Months	• DIASCA and COSA connect and conduct a stakeholder mapping; • gather feedback from members on integration and alignment approaches; • define engagement types and nomination processes for governance seats.

Related Sprint report: DIASCA Network Needs

Potential addition: Formally identify and invite "champion farmers" to participate in governance and define clear, milestone-driven roadmaps.

4. Projects - Concrete Use Cases & Pilot Implementations

The Projects bucket is where the roadmap's ambitions become tangible. These four activities represent pilot initiatives that demonstrate the value of a DPI approach in real-world agricultural contexts. They range from establishing ethical guardrails (the Trust Framework) to building farmer-facing tools (the Data Wallet and AI System) and tackling a high-stakes compliance challenge (Zero Deforestation). Each project is designed to generate evidence and learning that can inform broader adoption.

4.1 Code of Conduct / Trust Framework

- **Potential lead(s):** No lead yet
- **Contributors:** TBD

Objective	Ensure that any DPI built for agriculture "does no harm" by defining **principles, guardrails, and guidelines that ensure accessibility and inclusion**.
Description	This activity produces a foundational **trust framework**: a code of conduct that any DPI solution should adhere to. It involves a systematic review and key informant interviews, identification of a pilot country for a minimum-viable-product approach, and a series of convenings and workshops to develop the content collaboratively with diverse stakeholders.
Stakeholders	Farmers, development partners, governments, cooperatives, research institutions, private sector, regional bodies.
Resources Needed	Financial and human resources for the review, workshops, and MVP pilot.
Next 3 Months	• Conduct a **systematic review** and key informant interviews; • identify a **pilot country** to develop a code of conduct via an MVP approach; • organise an initial series of **convenings/workshops to develop content**.

Related Sprint report: NA

Potential addition: NA

4.2 DPI for Zero Deforestation

- **Potential lead(s):** FCDO, COSA, GIZ/SAFE
- **Contributors:** ITC

Objective	Support supply-chain actors in achieving EUDR compliance by demonstrating that a DPI ecosystem is operational and delivers impact, including two-way data flows that generate value for farmers.
Description	This use case connects existing DPI building blocks (including datasets and tools like INATrace) into an operational backbone for deforestation-free supply chains. It involves a gap assessment of tools, development of farmer-facing functionalities for compliance data, capacity-building on data literacy and data democracy, and the design of sustainable funding models for the DPI ecosystem.
Stakeholders	GIZ, ITC, FAO, FCDO, COSA, existing DPI implementers (e.g. INATrace), farmers and cooperatives, complementary service providers (insurance, etc.), other Summit working groups.
Resources Needed	Funding for pilots, adapted tools and systems, human resources with the right skill sets.
Next 3 Months	• Scope actors, activities, geographies, and commodities for a **DPI pilot and identify country cases**; • analyse sustainable **funding models for DPI building blocks**; • assess **technological foundations required for a DPI backbone** (building on GIZ interoperability work and COSA data models); • identify country champions to lead the pilot.

Related Sprint report: Interoperable Sandbox

Potential addition: Create a neutral "sandbox" environment to test how building blocks like AgStack and INATrace connect before national-level rollout.

4.3 Farmer Data Wallet or Hub

- **Potential lead(s):** No lead yet
- **Contributors:** GIZ

Objective	Build sustainable farming practices and enterprises by making farmers robust through **access to markets, inputs, climate predictions, yield data, financing, and relevant information**.
Description	The Farmer Data Wallet or Hub creates a sustainable flywheel ecosystem that directly benefits the farmer. It brings together key

	pillars — market access, agricultural inputs, climate predictions, yield data, financing, and relevant information services — into a coherent platform. By connecting farmers with finance institutions, buyers, extension services, and development partners, the hub enables a two-way data economy where farmers both contribute and benefit from the data ecosystem. This is a project concept ready for immediate implementation.
Stakeholders	Finance institutions, governments, buyers and markets, farmers and producers, network providers, extension networks, development partners.
Resources Needed	Human capital, technology (software and hardware), financing, capacity building, infrastructure, compliance and certification frameworks, well-defined policy and frameworks.
Next 3 Months	• Launch a **technical workstream** to define architecture and requirements; • conduct adaptation and alignment — identifying **relevant stakeholders**; • explore incorporating **AI capabilities** into the platform.

Related Sprint report: Farmer Data Wallets: Pilots & Lessons Learnt

Potential addition: Shift from high-maintenance, complex apps to simpler "data safes" or QR-coded cards that respect phone storage limits and infrequent usage. Continue mapping pilots and lessons learnt, including use cases; investigate existing simple online data-safe and wallet tools; connect with practitioners (CIAT, ITC, Digital Green, PbN) for further exchange

4.4 Farmer-centric Interactive AI System

- **Potential lead(s):** Commonwealth, Blue team, various individuals interested
- **Contributors:** TBD

Objective	Provide real-time, demand-driven feedback to farmers, build trust through responsive engagement, and gain a holistic view of farmer pain points both on and off the farm.
Description	This activity develops an **AI-powered engagement tool** and feedback mechanism for farmers. It involves synthesising evidence and building an inventory of past solutions, developing a machine-learning approach to engage with farmers, conducting community and stakeholder engagement for validation, and designing incentive structures for farmers to provide data. The system is envisioned as a

	two-way, interactive AI that both delivers insights and collects ground-truth feedback.
Stakeholders	Farmers, COSA, Commonwealth Secretariat, technology companies and developers, funding agencies, telecom companies, policymakers.
Resources Needed	Financial resources, human resources, technological infrastructure, and access to agricultural data.
Next 3 Months	• Consult partners to define scope and **refine the concept**; • build an **inventory of solutions that have worked**; • develop a **prototype** for the machine-learning model; • inventory existing feedback mechanisms; • launch a consultative engagement process with stakeholders.

Related Sprint report: AI use case

Potential addition: Document 3 use cases: Digital agents providing hyperlocal weather, analytics, and triage support, Digital agents providing hyperlocal weather, analytics, and triage support, Automating data cleaning and schema alignment to "leapfrog" slow manual standard negotiations

5. Tools & Enabling Tech - Foundational Infrastructure & Standards

The Tools & Enabling Tech bucket provides the foundational layer on which the Network's collaboration and the Projects' pilots depend. These three activities address the systemic enablers: global standards for responsible data use, physical connectivity and power infrastructure in rural areas, and the technical interoperability that allows diverse systems to communicate. Without these enablers, even well-designed projects risk remaining isolated solutions.

5.1 Code of Conduct for Data Democracy

- **Potential lead(s):** PrüvIT Technologies Inc
- **Contributors:** TBD

Objective	Create a global standard and certification mechanism that ensures technology suppliers adhere to best practices around data democracy, ultimately supporting farmer trust.
Description	This activity develops standards around data democracy and a commitment to sharing core producer data to public infrastructure. It includes creating a mechanism for companies to be recognised for compliance (i.e. certification). The work progresses from building a task force (months 0–3), to convening and developing standards (months 4–12), to establishing the certification mechanism (months 13–18), with ongoing championing and awareness campaigns thereafter.
Stakeholders	Farmers, governments, industry groups and associations, technology companies, policy groups, and funders.
Resources Needed	An administrative body for delivery, expertise in standards development, funding, and initiative champions.
Next 3 Months	Identify a project lead; identify target organisations and participants; build the task force and convene its inaugural meeting.

Related Sprint report: Closing the loop

Potential addition: Ensure feedback is delivered orally or via SMS in local languages using accessible channels like community radio or drama groups.

5.2 Digital Infrastructure Expansion

- **Potential lead(s):** PrüvIT Technologies Inc
- **Contributors:** TBD

Objective	Ensure farmer connectivity and inclusion by expanding digital infrastructure and access to power in rural and remote areas.
Description	This activity tackles the physical infrastructure gap that excludes many smallholder farmers from digital participation. It aims to produce a global accord — inspired by climate commitments — that brings together telecom providers, power companies, governments, and public-private partnerships to commit to rural digital infrastructure expansion. The envisioned path leads from task-force formation through stakeholder consultations and accord drafting to a formal signing and country-level implementation.
Stakeholders	Telecom and power providers, governments, public and private implementation agents, international organisations (FAO, World Bank).
Resources Needed	Government policies, financing mechanisms and subsidies, public-private partnerships.
Next 3 Months	• Select a **project lead**; • identify target organisations and participants; • build a **task force** and convene its inaugural meeting.

5.3 Interoperability Task Force

- **Potential lead(s):** FAO, GIZ
- **Contributors:** MAAIF Uganda, Vulcan group ethiopia, COSA

Objective	Link up different systems by testing existing interoperability solutions — especially APIs — to demonstrate that DPI building blocks can communicate and accelerate adoption.
Description	This practically-oriented task force brings together technologists, decision-makers, and system owners to document, present, and test APIs that connect DPI building blocks. A hands-on workshop approach — where an API is practically presented and run through from other digital solutions (e.g. Open Foris Whisp) — ensures that interoperability is demonstrated rather than merely discussed. The task force leverages existing networks such as the DIASCA platform.

Stakeholders	DIASCA, buyers, government representatives, developers, NGOs — spanning both technical implementers and decision-makers.
Resources Needed	Primarily time and expertise; no significant funding required in the initial phase.
Next 3 Months	• Create a list of interested participants (via a **shared sign-up form**); • **reach out** through existing networks (e.g. DIASCA platform); • hold a first **meeting/workshop with a practical API demonstration**.

7. Indicative Timeline

The roadmap follows a three-phase approach, recognising that different activities progress at different speeds while sharing common milestones. The phases are not rigid boundaries but indicative horizons that allow for adaptive management as the initiative evolves.

Phase 1: Foundation & Scoping (Months 0–3)

The immediate priority is to build the organisational foundations and conduct the scoping work that enables everything that follows. This includes: forming working groups and task forces across all three buckets; drafting the community vision and governance framework; conducting systematic reviews and gap assessments for the Projects; and identifying project leads, pilot countries, and participants for the Tools activities. The Interoperability Task Force aims to hold its first practical API workshop within this phase.

Phase 2: Development & Piloting (Months 4–12)

With foundations in place, the focus shifts to developing and testing. The governance structure becomes operational; the trust framework and data-democracy standards take shape through consultative processes; the DPI backbone for zero-deforestation compliance is assembled and piloted; prototypes for the farmer data wallet and AI system are built and tested with farming communities; and the digital infrastructure accord is drafted and validated through stakeholder consultations.

Phase 3: Scaling & Institutionalisation (Months 13–18+)

Successful pilots are scaled; governance structures mature into potentially formalised entities; certification mechanisms for data democracy become operational; the digital infrastructure accord moves to country-level implementation; and the community of practice expands and deepens its collaborative capacity. This phase marks the transition from initiative to institution.

Activity	Months 0–3	Months 4–12	Months 13–18+
Community Vision	Draft & socialise	Iterate & adopt	Ongoing stewardship
Governance	Stakeholder mapping	Structure operational	Formalisation
Trust Framework	Review & interviews	MVP in pilot country	Broader adoption
Zero Deforestation	Scoping & gap analysis	DPI backbone pilot	Scale & replicate
Farmer Data Wallet	Requirements & design	Prototype & test	Roll-out
AI System	Scope & inventory	Prototype & validate	Deploy & iterate
Data Democracy	Build task force	Develop standards	Certification live
Infrastructure	Task force & scoping	Draft accord	Country implementation
Interoperability	First API workshop	Ongoing API testing	Ecosystem-wide adoption