

Terms of reference (ToR) for the procurement of services below the EU threshold

CONFIDENTIAL

Data Governance in Agricultural Value Chains	Project number/ cost centre: G-011488-024 Tender number 10036847
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0. List of abbreviations

AG	Commissioning party
AN	Contractor
AVB	General Terms and Conditions of Contract for supplying services and work
FK	Expert
FKT	Expert days
KZFK	Short-term expert
ToRs	Terms of reference

1. Context

Within agricultural value chains, data governance concerns the personal data or personally identifiable information that is collected on smallholder farmers as well their farm, and the level of control that they have over that information. Control over data can take many forms, including collection, provision of consent, monitoring, or removal of access to that data.

Farmer-centric participatory data governance in agricultural value chains is an important and timely effort not only because of the potential to unlock new opportunities for smallholder farmers but also due to the risks of maintaining the status quo regarding farmers' control over their data. As the situation currently stands, there is unfair redistribution of the value derived from data, an inadequate level of data-driven decision-making in product and service design, limited farmer choice over products and services, and even breaches of personally identifiable information. All these present as equally strong justifications to act with the goal of returning control over data to the farmer.

The Sustainable Agriculture for Forest Ecosystems (SAFE) project is a flagship under the Team Europe Initiative on Deforestation Free Value Chains. The SAFE project promotes deforestation-free agricultural value chains in response to the European Union Regulation on deforestation-free products (EUDR).

Together with the Food and Agriculture Organisation (FAO), the International Trade Center (ITC), the Technical Facility by the European Forest Institute (EFI), and DIASCA, the SAFE project promotes an ecosystem of publicly accessible, modular and interoperable digital public infrastructures (DPI) for deforestation-free agricultural value chains (see [here](#)). The DPI ecosystem consists of building blocks such as registries, open standards, and geospatial tools that can be reused across different contexts.

2. Tasks to be performed by the contractor

2.1 Term

The contract duration will be 12 months.

2.2 Objectives, work packages, milestones

Farms and farmers are the main source of primary data, for example, demographic and socioeconomic household statistics, and information on agricultural output and farming practices. In agricultural value chains, smallholder farmers have typically had the least amount of agency over their data, which has implications for their privacy. Empowering smallholder farmers to have more control over their data is also critical to the improvement and protection of their livelihoods.

Farmer-centric participatory data governance has the potential to not only increase the inclusivity of a DPI ecosystem for zero deforestation but also create incentives for smallholder farmers to participate in it. Improved control over data can improve decision-making at farm-level, enable access to finance and serve as a foundation for business models built on data provision and verification.

The objective of this assignment is to implement an advanced farmer-centric participatory data governance models for smallholders in deforestation-free value chains. The data

governance will be piloted in **2** selected SAFE partner countries. The assignment shall build on SAFE's ongoing project implementation and partner network on "**Digital Public Infrastructure for Deforestation-free Value Chains**". The consultancy includes four work packages (WP):

- 1) **Work package 1 (WP1):** Adapting farmer-centric participatory data governance frameworks to the selected country and commodity context.
- 2) **Work package 2 (WP2):** Develop a prototype of an open-source digital application (i.e. data wallet) for farmers to leverage participatory data governance model.
- 3) **Work package 3 (WP3):** Implementing a farmer-centric participatory data governance model based on results from WP1 with at least two agricultural cooperatives/farmer organisations.
- 4) **Work package 4 (WP4):** Transfer knowledge to SAFE project staff in implementing farmer-centric participatory data governance models in agricultural supply chains.

The outcome of this assignment is to strengthen the agency and control of smallholder farmers over their data in global supply chains. Moreover, this assignment aims to create a tangible positive impact on farmer livelihoods through improved agency and control over data (e.g. improved access to finance due to data availability and decision-making power at farm level).

2.2.1 Work package 1

The contractor shall develop a methodology to implement a farmer-centric participatory data governance model. To do so, the contractor shall adapt existing work carried out by GIZ to the selected country and commodity context. This includes a study on data sovereignty¹, a data cooperative framework (*yet to be published*), and SAFE's approach to "Digital Public Infrastructure" (DPI)².

Tasks to be performed by the contractor:

- a. Evaluate relevant material and recent studies on participatory data governance models, including but not limited to GIZ's study on data sovereignty, GIZ's data cooperative framework and SAFE's approach to DPI
- b. Propose at least two countries and commodity contexts in which farmer-centric participatory data governance models are feasible in accordance with national legal data frameworks. The countries and commodity contexts shall be selected from the following list: Burundi (Coffee), Cameroon (Cocoa/Coffee), Colombia (Cocoa/Coffee), Kenya (Coffee), Nigeria (Coffee), Peru (Cocoa/Coffee), Uganda (Coffee), Vietnam (Coffee) and Tanzania (Sugarcane).
- c. Develop a methodology for the design and implementation of a farmer-centric participatory data governance model based on the results from Tasks (a) and (b) from WP1. The methodology shall be centred on the following marginalised groups:

¹ https://dalberg.com/wp-content/uploads/2022/11/Study_Data_Sovereignty.pdf

² <https://zerodeforestationhub.eu/projects/safe/global-activities/digital-public-infrastructure/>

women, youth, smallholder farmers. The methodology shall demonstrate incentives for farmers to adopt a farmer-centric participatory data governance model. The methodology shall evaluate the conditions under which farmer-centric participatory data governance model can be feasibly implemented, this includes but is not limited to power relations, pressures from data exploitation and extraction, differences between notional and de facto data sovereignty under real-work economic conditions and limited technical capacities. The methodology is to be implemented with smallholder farmers and communities who use the following DPI building blocks (or a selection thereof) promoted by the SAFE project: Open Foris Ground, GeoID, INATrace, Whisp, ITC's Deforestation-Free Gateway, KoBo Toolbox, GeoRoots, Trace.

2.2.2 Work package 2

The contractor shall develop a prototype of an interoperable and open-source digital application that enables farmers and communities to act on and leverage the agency over data granted by the participatory data governance model. The decision over the specific open-source license of the digital application is subject to GIZ's approval. The contractor shall make available the open-source code of the digital application on github. The contractor shall ensure that the prototype is interoperable with existing DPI building blocks, e.g. FAO's geoID registry and WHISP and ITC's Deforestation-free Trade Gateway. This digital application shall take the shape of a data wallet. The contractor shall build on existing work on farmer data wallets carried out by GIZ.

Tasks to be performed by the contractor:

- a. Evaluate relevant open-source digital data wallet approaches, including but not limited to the MiCacao data wallet³, as well as hybrid data sharing approaches for farmers, including but not limited to farmer cards developed by CIAT and Fairfood⁴.
- b. Develop a prototype of an open-source digital data wallet that enables participants in the piloted data governance model to control, use and share their data based on the results of WP3 and Task a from WP2. The data wallet shall be interoperable with the DPI building blocks promoted by the SAFE project: Open Foris Ground, GeoID, INATrace, Whisp, ITC's Sylva Deforestation-Free Gateway, KoBo Toolbox, GeoRoots, TraceFoodChain. GIZ shall provide information (for example code reviews, system architecture diagrams, API documentation and interoperability mappings) on a selection of the DPI building blocks.
- c. Document the development of the prototype of a digital data wallet.
- d. Publish all relevant information and documentation necessary to replicate the data wallet in line with open-source principles on github.

³ <https://github.com/Identi-OpenSource/micacao-wallet>

⁴ <https://fairfood.org/farmer-cards/>

2.2.3 Work package 3

The contractor shall implement the tailored methodology in a pilot. This pilot shall be carried out with at least two agricultural cooperatives and/or farmer organisation in the selected country and commodity contexts. The pilot shall include capacity building measures for the agricultural cooperatives and/or farmer organisation.

The final selection of the country and commodity contexts as well as the agricultural cooperatives and/or farmer organisation will be defined together with the SAFE project. The country selection is contingent on the enabling national legal data frameworks allowing farmers to gain agency and legal control over data.

The contractor shall coordinate the pilot with SAFE's DPI partner network including the Food and Agriculture Organisation of the United Nations (FAO), the International Trade Centre (ITC), the European Forest Institute (EFI), the International Center for Tropical Agriculture (CIAT) and the Digital Integration of Agricultural Supply Chains Initiative (DIASCA).

Tasks to be performed by the contractor:

- a. Elaborate an implementation plan for the pilot.
- b. Implement a quality control process with the backstoppers from the SAFE project.
- c. Coordinate the selection of country and commodity contexts as well as the participants in the pilot out in close coordination with GIZ, particularly the SAFE project.
- d. Organise a kick-off meeting with all relevant stakeholders, GIZ staff, and the SAFE project's DPI partner network
- e. Inform all relevant stakeholders at farm and/or community level (for example smallholder farmers and their families, cooperatives and/or farmers' organisations, community leaders) about the planned activities and timeline to ensure their continuous participation. This process shall be carried out in close coordination with GIZ, particularly the SAFE project.
- f. Pilot and validate a farmer-centric participatory data governance model as well as the prototype of a data wallet with at least two agricultural cooperatives and/or farmers' organisations in the selected country and commodity contexts.
- g. Elaborate a replicable manual and/or guidelines for the implementation of a farmer-centric participatory data governance model based on the results of Tasks a – f from WP3, including incentive structures for farmers and rural communities to adopt a farmer-centric participatory data governance model.

2.2.4 Work package 4

The contractor shall deliver comprehensive training measures to transfer the skills required to develop and implement farmer-centric participatory data governance models in agricultural supply chains to SAFE project staff.

Tasks to be performed by the contractor:

- a. Develop training units to transfer technical knowledge and project management knowledge applied in WP1-3 to GIZ staff, including both self-study and guided learning in live online session.
- b. Elaborate a training plan and timeline in close coordination with GIZ, particularly the SAFE project staff.
- c. Carry out training plan according to the agreed timeline, including live online training sessions. The online session shall be recorded for future self-study purposes.
- d. Elaborate a step-by-step learning guide for GIZ staff to replicate training measures independently for internal capacity building of GIZ staff.
- e. Train and onboard 2 person from the SAFE project with the aim of being able to coordinate and supervise the further development and further roll-out of the prototype developed in WP1 and 2.

When implementing the WP 1,2,3 and 4, the following project management requirements apply:

- The contractor is responsible for selecting, preparing, training and steering the international and national, short and long-term experts assigned to perform the advisory tasks.
- GIZ and the partner will provide equipment and supplies (consumables) and assumes the associated operating and administrative costs.
- The contractor manages costs and expenditures, accounting processes and invoicing in line with the requirements of GIZ.
- The contractor reports regularly to GIZ in accordance with the current AVB of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

In addition to the reports required by GIZ in accordance with the AVB, the contractor submits the following reports:

- Inception report
- Contributions to reports to GIZ's commissioning party
- Brief quarterly reports on the implementation status of the project (5-7 pages)

Certain milestones, as laid out in the table below, are to be achieved during the contract term:

Milestones/process steps/partial services	Deadline/place/person responsible
(1) Preparation phase	
Kick-off Workshop with GIZ (online)	Upon contract signature
Workshop for validating the implementation plan of consultation (online)	January 2027
Evaluation of relevant material, studies and country and commodity context	December 2026
Selection of country and commodity context	December 2026
Inform DPI partner network	December 2026

Development of methodology for participatory data governance models	January 2027
(2) Development of data wallet prototype	
Evaluation of relevant data wallet approaches	January 2027
Development of data wallet prototype	March 2027
Documentation and publication of data wallet prototype	April 2027
(3) Implementation of the pilot	
Development of implementation plan and timeline for the pilot	February 2027
Informing stakeholders relevant for the pilot	March 2027
Workshops for setting up and validating data governance model as well as testing data wallet prototype together with agricultural cooperatives	July 2027
Elaboration of guidelines and manuals for the replication of the data governance model and use of the data wallet prototype	August 2027
(4) Knowledge Transfer	
Development of training measures and training plan	August 2027
Workshop/Delivery of training measures to GIZ staff	October 2027
Elaboration of step-by-step guideline for internal replication of training measures	October 2027

Period of assignment: from 15.10.2026 until 15.10.2027.

3. Concept

In the tender, the tenderer is required to show *how* the objectives defined in Chapter 2 (Tasks to be performed) are to be achieved, if applicable under consideration of further method-related requirements (technical-methodological concept). In addition, the tenderer must describe the project management system for service provision.

Note: The numbers in parentheses correspond to the lines of the technical assessment grid.

Technical-methodological concept

Strategy (1.1): The tenderer is required to consider the tasks to be performed with reference to the objectives of the services put out to tender (see Chapter 1 Context) (1.1.1). Following this, the tenderer presents and justifies the explicit strategy with which it intends to provide the services for which it is responsible (see Chapter 2 Tasks to be performed) (1.1.2).

The tenderer is required to present the actors relevant for the services for which it is responsible and describe the **cooperation (1.2)** with them.

The tenderer is required to present and explain its approach to **steering** the measures with the project partners (1.3.1) and its contribution to the **results-based monitoring system** (1.3.2).

The tenderer is required to describe the key **processes** for the services for which it is responsible and create an **operational plan** or schedule (1.4.1) that describes how the services according to Chapter 2 (Tasks to be performed by the contractor) are to be provided. In particular, the tenderer is required to describe the necessary work steps and, if applicable, take account of the milestones and **contributions** of other actors (partner contributions) in accordance with Chapter 2 (Tasks to be performed) (1.4.2).

The tenderer is required to describe its contribution to knowledge management for the partner (1.5.1) and GIZ and to promote scaling-up effects (1.5.2) under **learning and innovation**.

Project management of the contractor (1.6)

The tenderer is required to explain its approach for coordination with the GIZ project. In particular, the project management requirements specified in Chapter 2 (Tasks to be performed by the contractor) must be explained in detail.

The tenderer is required to draw up a **personnel assignment plan** with explanatory notes that lists all the experts proposed in the tender; the plan includes information on assignment dates (duration and expert days) and locations of the individual members of the team complete with the allocation of work steps as set out in the schedule. The tenderer is required to describe its approach to ensure gender equality, equal opportunities and anti-discrimination as part of the personnel assignment plan.

The tenderer is required to describe its backstopping concept. The following services are part of the standard backstopping package, which (like ancillary personnel costs) must be factored into the fee schedules of the staff listed in the tender in accordance with Section 3.1 of the GIZ AVB:

- Service-delivery control
- Managing adaptations to changing conditions
- Ensuring the flow of information between the tenderer and GIZ
- Assuming personnel responsibility for the contractor's experts
- Process-oriented steering for implementation of the commission
- Securing the administrative conclusion of the project

Option (1.7)

The tenderer is required to describe the key **processes** for the services for which it is responsible and create an **operational plan** or schedule that describes how the services according to Chapter 8 are to be provided. In particular, the tenderer is required to describe the necessary work steps and, if applicable, take account of the milestones and **contributions** of other actors (partner contributions) in accordance with Chapter 8.

4. Personnel concept

The tenderer is required to provide personnel who are suited to filling the positions described, on the basis of their CVs (see Chapter 7), the range of tasks involved and the required qualifications.

The below specified qualifications represent the requirements to reach the maximum number of points in the technical assessment.

Team leader and expert on Agricultural value-chain

Tasks of the team leader

- Overall responsibility for the advisory packages of the contractor (quality and deadlines)
- Coordinating and ensuring communication with GIZ, partners and others involved in the project
- Personnel management, in particular identifying the need for short-term assignments within the available budget, as well as planning and steering assignments and supporting local and international short-term experts
- Regular reporting in accordance with deadlines

Tasks as Expert on Agricultural value-chain

- WP1: Lead value-chain mapping and actor analysis; select and onboard pilot cooperatives/farmer groups; define agronomic data requirements and farm-level data collection protocols; design baseline livelihood and socioeconomic data collection and interpretation; design gender equity and social inclusion measures; validate field data and reconcile with supply-chain records.
- WP2: Provide sample datasets and field test cases; participate in usability testing with farmers and iterate UX requirements.
- WP3: Lead field rollout, farmer training and onboarding with cooperatives; monitor adoption and collect/validate farm-level data; liaise with buyers, extension services and cooperatives to align incentives.
- WP4: Develop farmer-facing manuals and training-of-trainers materials; deliver trainings for cooperatives and SAFE staff on farmer engagement and sustaining incentives.

Qualifications of the team leader

- Education/training (2.1.1): university degree (Master) in political science, social science, law, agriculture, rural development, agricultural economics, development studies or related discipline.
- Language (2.1.2): C1-level language proficiency in English
- General professional experience (2.1.3): 5 years of professional experience in sustainable agriculture, agricultural supply chains or sustainable food systems
- Specific professional experience (2.1.4): 5 years in digital governance, data governance or digital transformation
- Leadership/management experience (2.1.5): 3 years of management/leadership experience as project team leader or manager in a company
- Regional experience (2.1.6): 3 years of experience in projects in Latin America or Africa or Asia (at least two of the target regions)
- Development cooperation (DC) experience (2.1.7): 5 years of experience in DC projects
- Stakeholder experience (2.1.8): 3 years of direct engagement with smallholders or agricultural MSMEs.

Key expert 1: Data governance

Tasks of key expert 1

- WP1: Adapt participatory data governance framework to country/commodity context; map legal/regulatory requirements and advise on compliance risks; define data stewardship roles, accountability and grievance/redress mechanisms; draft consent models, data-sharing agreements and role-based access policies; define metadata, provenance and audit requirements; design governance KPIs; facilitate multi-stakeholder consultations and document outcomes.
- WP2: Translate consent and governance rules into application workflows; specify audit/provenance logging and consent lifecycle requirements for the data wallet; review UI/UX flows for legal and policy compliance.
- WP3: Operationalize consent capture, data-sharing agreements and grievance procedures in the field; monitor governance KPIs and compliance during pilots; produce SOPs, policy briefs and governance documentation for pilot adoption.
- WP4: Deliver governance training and templates (consent forms, data-sharing agreements, SOPs); prepare policy briefs and guidance for scaling governance models.

Qualifications of key expert 1

- Education/training (2.2.1): university degree in law, public policy, information governance, data protection/privacy, political science, digital governance, or related field.
- Language (2.2.2): C1-level language proficiency in English
- General professional experience (2.2.3): 3 years in digital governance, data governance, policy design, digital public infrastructure
- Specific professional experience (2.2.4): 3 years in designing or implementing participatory data governance, consent frameworks, data-sharing agreements, or digital ID/data-wallet initiatives
- Regional experience (2.2.6): 3 years in Latin America or Africa or Asia
- Development Cooperation (DC) experience (2.2.7): 3 years in DC-funded projects or technical assistance on governance, regulatory reform, or digital public goods.
- Other (2.2.8): 3 years of experience with smallholders or agricultural MSMEs and specialist EUDR knowledge.

Key expert 2: Data science and software engineering

Tasks of key expert 2

- WP1: Specify technical requirements and data models aligned with governance and value-chain needs; assess interoperability needs, offline/low-connectivity constraints and traceability technical specs; advise on consent capture flow implications for technical design and security.
- WP2: Design system architecture and technical specifications for the data wallet; build prototype mobile/web application (offline-first, low-bandwidth); implement identity/authentication, consent management, encryption and key management; develop APIs, interoperability layers and ETL/data quality pipelines; implement traceability features (geo-tags, timestamps, photo evidence) and tamper-evidence; implement privacy-preserving analytics and anonymization; lead testing and deploy prototype; manage DevOps and open-source repo/documentation.

- WP3: Deploy and configure applications in pilot sites; manage offline sync and local integrations; provide technical troubleshooting, security hardening and data quality monitoring; build dashboards and analytics to support MEL and pilot monitoring.
- WP4: Provide technical handover (developer documentation, runbooks, maintenance plans); train SAFE staff and local IT teams on deployment, integration, and repository management.

Qualifications of key expert 2

- Education/training (2.3.1): university degree in computer science, data science, software engineering, information systems, or related technical discipline.
- Language (2.3.2): C1-level language proficiency in English
- General professional experience (2.3.3): 3 years in data engineering, or data science for development applications.
- Specific professional experience (2.3.4): 3 years in building data platforms; experience with interoperability standards and APIs.
- Regional experience (2.3.6): 3 years in Latin America or Africa or Asia
- Development Cooperation (DC) experience (2.3.7): 3 years in participating in DC projects or partnerships delivering digital public goods, open-source tools, or capacity strengthening in development contexts.
- Other (2.3.8): 3 years of experience with smallholders or agricultural MSMEs

Soft skills of team members

In addition to their specialist qualifications, the following qualifications are required of team members:

- Team skills
- Initiative
- Communication skills
- Socio-cultural skills
- Efficient, partner- and client-focused working methods
- Interdisciplinary thinking

Short-term expert pool with 2 members

For the technical assessment, an average of the qualifications of all specified members of the expert pool is calculated. Please send a CV for each pool member (see below Chapter 7 Requirements on the format of the bid) for the assessment.

Tasks of the short-term expert pool

- Systems Integration
- Knowledge transfer and capacity building

Qualifications of the short-term expert pool:

Education/training (2.6.1): 1 expert with university qualification (Master) in agriculture, social science, political science, law, economics, development studies, digital humanities or other relevant disciplines, 1 expert with university qualification in computer science, data science or other relevant disciplines (Master)

- Language (2.6.2): 1 expert with C1-level language in English and in either Spanish, French or a national language spoken in any of the country contexts.
1 expert with C1-level language in English
- General professional experience (2.6.3): 1 expert with 3 years of professional experience in capacity building or training design for development projects,
1 expert with 5 years of professional experience in systems integration, backend engineering or platform operations.
- Specific professional experience (2.6.4): 1 expert with 3 years of professional experience in designing and delivering training-of-trainers,
1 expert with 3 years of professional experience in digital wallets and integrating APIs.
- Regional experience (2.6.5): 1 expert with 3 years of experience in Latin America or Africa or Asia (region), 1 expert with 3 years of experience in either of the following countries: Burundi, Cameroon, Colombia, Kenya, Nigeria, Peru, Uganda, Vietnam or Tanzania.

The tenderer must provide a clear overview of all proposed short-term experts and their individual qualifications.

5. Costing requirements

Assignment of personnel and travel expenses

Per diem allowances are reimbursed as a lump sum up to the maximum amounts permissible under tax law for each country as set out in the country table in the circular from the German Federal Ministry of Finance on travel expense remuneration (downloadable from the [German Federal Ministry of Finance – tax treatment of travel expenses and allowances for international business travel as of 1 January 2026 \(GERMAN ONLY\)](#)).

Accommodation allowances are reimbursed as detailed in the specification of inputs below.

With special justification, additional Accommodation costs up to a reasonable amount can be reimbursed against evidence.

All business travel must be agreed in advance by the officer responsible for the project

Sustainability aspects for travel

GIZ has undertaken an obligation to reduce greenhouse gas emissions (CO₂ emissions) caused by travel. When preparing your tender, please incorporate options for reducing emissions, such as selecting the lowest-emission booking class (economy) and using means of transport, airlines and flight routes with a higher CO₂ efficiency. For short distances, travel by train (second class) or e-mobility should be the preferred option.

CO₂ emissions caused by air travel must be offset. GIZ specifies a budget for this, through which the carbon offsets can be settled against evidence.

There are many different providers in the market for emissions certificates, and they have different climate impact ambitions. The [Development and Climate Alliance \(German only\)](#) has published a [list of standards \(German only\)](#). GIZ recommends using the standards specified there.

Specification of inputs

Fee days	Number of experts	Number of days per expert	Total	Comments
Team lead	1	56	56	Including 24 days reserved for 2 workshops
Expert 1	1	51	51	Including 24 days reserved for 2 workshops
Expert 2	1	30	30	
Expert pool	2	20	40	
Transport	Quantity		Total	Comments
Fixed travel budget	1		€34,000	A budget is earmarked for travel to 2 countries selected from Burundi, Cameroon, Colombia, Kenya, Nigeria, Peru, Uganda, Vietnam or Tanzania. A fixed budget of EUR 34,000 is earmarked for settling travel expenses against evidence. You can find further information on the travel expense budget in the 'Price schedule' document. Please use the 'Explanations' column in the price schedule to break down the individual items. Settlement is possible only until the budget is depleted.
CO₂ compensation for air travel Link to working aid and table for determining the budget and Guidance for GIZ service providers on avoiding, reducing and offsetting GHG emissions on setting the budget.	4	€500	€2,000	A fixed budget of EUR 2,000 is earmarked for settling carbon offsets against evidence.
Other costs	Number		Total	Comments
Flexible remuneration	1		€15,000	A budget of EUR 15,000 is foreseen for flexible remuneration. Please incorporate this budget into the price schedule.

				Use of the flexible remuneration item requires prior written approval from GIZ.
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Workshops, events and trainings

The Contractor conducts the training and education described in Work Package 1, 3 and 4.

The logistical organisation of the workshops is not the responsibility of the contractor, a calculation of costs incurred is not necessary

The contractor implements the following workshops/study trips/training courses:

- Kick-off Workshop with GIZ (online)
- Workshop for validating the implementation plan of consultation (online)
- 4 workshops for setting up and validating data governance model as well as testing data wallet prototype together with agricultural cooperatives (on site)
- Workshop/delivery of training measures to GIZ staff (online)

6. Inputs of GIZ or other actors

GIZ and/or other actors are expected to make the following available:

- Logistics for workshops

7. Requirements on the format of the tender

The structure of the tender must correspond to the structure of the ToR. In particular, the detailed structure of the concept (Chapter 3) should be organised in accordance with the positively weighted criteria in the assessment grid (not with zero). The tender must be legible (font size 11 or larger) and clearly formulated. It must be drawn up in English (language).

The complete tender must not exceed 10 pages (excluding CVs). If one of the maximum page lengths is exceeded, the content appearing after the cut-off point will not be included in the assessment. External content (e.g. links to websites) will also not be considered.

The CVs of the personnel proposed in accordance with Chapter 4 of the ToRs must be submitted using the format specified in the terms and conditions for application. The CVs shall not exceed 4 pages each. They must clearly show the position and job the proposed person held in the reference project and for how long. The CVs can also be submitted in English (language).

Please calculate your financial tender based exactly on the parameters specified in Chapter 5 Quantitative requirements. The contractor is not contractually entitled to use up the days, trips, workshops or budgets in full. The number of days, trips and workshops and the budgets will be contractually agreed as maximum limits. The specifications for pricing are defined in the price schedule.

8. Option

After the services put out to tender have been completed, important elements of these tasks can be continued or extended. Specifically:

Type and scope

The contractor shall develop a proof of concept for at least two business models that enable farmers, cooperatives and/or farmer's associations to leverage the validated farmer-centric participatory data governance model and data wallet. The business models shall address use cases including but not limited to (1) farmer income generation through a insetting-based payment for ecosystem services approach and (2) the use of farm-level and supply chain data to give farmers and/or cooperatives access to financial services.

Based on the prototypes developed in two pilot countries, the contractor shall draft (3) detailed requirements for large-scale deployment of the data wallet, including requirements to replicate and adapt the data wallet across all SAFE project countries. The requirements must cover the following areas:

- Functional requirements
- Non-functional requirements
- Data security and privacy
- Interoperability and technical integration
- Deployment architecture and hosting
- Data Governance and policy
- Operational steps and support from pilot-to-scale transition
- Cost estimates and expertise needed

The contractor is responsible for providing the following optional services:

- Review existing business models and use cases for data-based income generation or access to financial services for farmers.
- Consult with GIZ and its partners implementing projects at the intersection of data governance, data provision and verification, payment for ecosystem services and access to finance
- Develop a proof of concept for at least two business models based on the review and partner consultation that enable farmers, cooperatives and/or farmer's associations to leverage the validated farmer-centric participatory data governance model and data wallet
- Elaborate a document outlining the proof of concept, discussing necessary enabling conditions as well as possible challenges and the added value for farmers in the partner countries and commodity contexts in which SAFE operates
- Elaborate a concise slide deck presenting the proof of concept of the business models.
- Based on the two pilot prototypes, draft detailed requirements for large-scale deployment of the data wallet (including replication and adaptation across all SAFE project countries).
- Present the proof of concept to the GIZ staff in an online meeting

Requirements

Exercising the option will depend on positive assessment of interim results of the original commission. The decision on continuation is expected to be made in the period June – July 2027. If the option is exercised, it is anticipated that the contract term will be extended to 15.11.2027.

The option will be exercised by means of a contract extension on the basis of the individual approaches already offered.

Quantitative requirements for the optional services

Team Lead	1	5	5	
Key Expert 1	1	5	5	
Key Expert 2	1	5	5	
Expert Pool	1	10	10	Further development of data wallet

Requirements on the format of the tender for the option

Please complete both spreadsheets in the price schedule, i.e. one for the main service and one for the optional service.

9. Outsourced processing of personal data

The contractor will not process personal data and will not have access to any existing system

When developing and testing the prototype of data wallet, the contractor will work with dummy data provided by the partner. Dummy data may include but is not limited to farm-level data (e.g. farm size, farm infrastructure), production-related data (e.g. legality, production volumes, crop/product quality, processing, sustainability/organic certification, carbon storage, sustainable agricultural practices) and environmental data (e.g. deforestation risk, ecosystems, biodiversity).

10. Annexes

- https://dalberg.com/wp-content/uploads/2022/11/Study_Data_Sovereignty.pdf
- <https://zerodeforestationhub.eu/projects/safe/global-activities/digital-public-infrastructure/>
- <https://github.com/Identi-OpenSource/micacao-wallet>
- <https://fairfood.org/farmer-cards/>
- [What tools are available to comply with the EUDR? | European Forest Institute](#)