Mapping and Comparison of Digital Monitoring and Analysis Tools for Coffee Farm Data

Background

The newly established Kenya Coffee Platform Sauti Ya Kahawa ("the platform") aims at improving the livelihoods of Kenyan Coffee Farmers and increasing the sustainability of Kenyan Coffee production at scale. To do so, the platform has elaborated a comprehensive Kenya Coffee Sustainability Manual (KCSM) for coffee farmers, covering key aspects of farm sustainability, including economic, social and environmental aspects. The platform facilitates the broad roll-out of the KCSM through its members and stakeholders, private and governmental, at national level.

In order to monitor its success and progress, the platform intends to make use of digital tools that allow for capturing, aggregating, and analyzing farm level data related to the KCSM adoption levels as well as sustainability performance data. This will allow the platform and its members to monitor progress on the state of sustainability of the national sector and to identify gaps and needs for interventions.

Acknowledging the fact that a lot of tools geared towards the purpose in varying degrees are already available, the platform aims at encouraging actors active in the field of coffee extension and trade to adapt their existing tools for its joint monitoring activities. On the other hand, the platform intends to provide its stakeholders with objective information about the feasibility and suitability of available tools for farm level monitoring efforts. It is not envisaged to promote or roll-out one single tool, but to allow for the co-existence of diverse tools and to encourage and enable their interoperability for collective and aggregated reporting as feasible.

The Global Coffee Platform (GCP) has been supporting the platform and is represented in its steering committee. In order to further support the platform in farmer performance monitoring, the GCP is looking for consultancy services to undertake a mapping of respective digital tools and a comparison according to key criteria. This shall inform the platform's and its stakeholders' decision making about the selection of digital tools that are best fit for purpose. This shall also give the platform a general overview of what tools are in use in the Kenyan coffee sector.

Description of the Assignment

The consultant shall undertake the following tasks:

1. Undertake a comprehensive mapping of available tools being used to administer agricultural (in particular coffee) supply chains that have the potential of being used to capture and analyse farm-level and/or aggregate (e.g. county level) sustainability performance data. The mapping should

include the most relevant tools according to the criteria listed below (approx. max. 20). The GCP will provide a preliminary list of tools to be included in the mapping exercise.

2. Conduct an analysis and rating of the most relevant tools, assessing the following criteria:
   a. <u>Cost</u>
      - Deployment and adaptation cost
      - Running Cost, e.g. License Fees, hosting
      - User support (see b.)
   b. <u>User Support</u>
      - Availability of initial user training
      - Availability and cost of continuous 1st and 2nd level support
   c. <u>Technical specifications</u>
      - Platform, OS (frontend, backend)
      - Database system
      - License: Proprietary Software, Open Source
      - Scalability (no of farmers,
   d. <u>Functionality</u>
      - User-Friendliness (Intuitiveness of user experience and navigation)
      - Adaptability (e.g. including additional metrics)
      - Data exchange & conversion options, e.g. bulk import, export, APIs
      - Offline functionality with online sync
      - BI, reporting & analysis options (in-built, external BI options)
      - Additional functionalities (e.g. payment integration)
   e. <u>Current Scope of Use</u>
      - Main scope of use (e.g. level: farm and/or aggregate, agriculture, including level of redundancy for this purpose)
      - Number, geographic distribution and characteristics of current users
      - Number of farmers, records currently maintained

The above criteria shall be assessed in a standard manner and rated, where feasible, for all screened tools to allow for comparison. The consultant may add relevant further criteria deemed relevant for comparison.

For each tool, the assessment shall be complemented by a summary of key pros and cons for its use.

Deliverables

The consultant shall produce the following deliverables as a result of the above tasks:

a. A concise analysis report on the assessed tools, including a brief evaluation of the above indicators and criteria and a concluding recommendation (indicative 5-7 pages).
b. A matrix of the assessed tool with key quantifiable criteria, to allow for an easy comparison.

Timelines

Please note that, although the timelines are ambitious, they are not negotiable. Bidders are advised to only participate in the tender if they are able to meet the deadline to finalize the assignment.

Date	Milestone
04/02/2019	Tender publishing
13/02/2019	Proposal Submission Deadline
15/02/2019	Contracting
28/02/2019	Finalization of Assignment & final submission of deliverables

Proposals

Proposals (of max. 5 pages excluding CVs and references) must contain the following details:

- Brief description of the approach
- Concise work plan with main activities, timelines
- Detailed budget, including the indication of a total gross amount
- Description of the applicant, relevant references, proof of capacity and experience and CV of project team leader

Please send proposals by e-mail to GCP (framework@globalcoffeeplatform.org)

Deadline for submission of proposals: Wednesday, 13 February, 2019