



Facilitating Finance for Biodiversity in Agriculture through Biotokens

Response to RFP Queries

Date 07.06.2025

This document serves to respond to queries received from potential bidders within the specified period for queries. Note that questions are copied below exactly as received.

QUERY	RESPONSE
<p>1. Will the detailed PSIR framework documentation, including the complete list of "locally relevant biodiversity indicators", their definitions, data types, units, expected input methods (e.g., numerical, categorical), and recommended collection frequencies, be provided to the selected technology provider?</p>	<p>Yes, the detailed framework will be provided</p>
<p>2. Regarding the "maximum of twenty (20) biodiversity indicators" selectable by farmers, are these chosen from a predefined, larger pool of indicators? If so, what is the size of this pool?</p>	<p>The maximum limit will be 20 indicators for the purpose of this pilot</p>
<p>3. Could you clarify if the "maximum of twenty (20) farmers" refers to the limit for the initial pilot phase only, or the overall designed capacity of the prototype? What are the scalability expectations for farmer numbers beyond the pilot?</p>	<p>20 farmers for the pilot phase. The solution architecture should be scalable to accommodate future growth; however, this is not yet defined.</p>

<p>4. The scope of "optional integrations" and the specifics of "field verification visits" and "established thresholds" are unclear and impact the development effort and system design.</p>	<p>Further details will be provided corresponding to the intended milestone which addresses "Detailed Requirements/User Stories Sign-off" (refer to page 8 of the RFP for Key Milestones)</p>
<p>5. For "optional integration of enabling technologies" (IoT, sensors, drones): Is the selected vendor expected to develop and implement these integrations within this project's scope, or to design the platform with APIs/capabilities for future integrations? If specific technologies are envisioned, kindly provide details?</p>	<p>These are optional and are not the responsibility of the solution provider at this point. Technologies will center around farmers self-reporting, including potential optional technologies such as soil-testing kits.</p>
<p>6. Please elaborate on the workflow for "field verification visits". Who is responsible for conducting these visits and entering the verification data into the system? How does this verified data interact with farmer-reported data (e.g., override, flag)?</p>	<p>The Cropper Foundation or other project team partners will be responsible for field visits. The solution provider would not be expected to conduct these. It is expected the solution will allow for prompt / notification for farmers to recheck their entries when data is flagged</p>
<p>7. What are the "established thresholds" for data verification? Will these be provided by TCF, and are they static or dynamic? How will they be managed and updated within the system?</p>	<p>These will be shared with the solution provider as per Key Milestone "Inception Meeting & Indicator Framework introduction". (refer to page 8 of the RFP for Key Milestones) This will be static for the purposes of this pilot</p>
<p>8. Does TCF have a preferred "private blockchain" technology (e.g., Hyperledger Fabric, private Ethereum, Corda), or is the vendor expected to propose a suitable platform? What are the</p>	<p>There is no preferred technology, and the solution provider will be responsible for proposing and justifying their selection. The solution provider will be responsible for infrastructure considerations required to operate the solution, such as node</p>

expectations for node hosting, management, and maintenance?	hosting, management, and maintenance.
9. Are there any specific technical standards envisioned for the "non-transferable, non-speculative 'Biotokens'"?	Additional guarantees will be provided corresponding to the intended milestone which addresses "Detailed Requirements/User Stories Sign-off" (refer to page 8 of the RFP for Key Milestones)
10. Regarding "secure digital wallets" for Financial Institutions: Is the development of these wallets part of the project scope, or is integration with existing third-party wallet solutions anticipated?	Secure digital wallet is expected to be part of the solution to be developed.
11. Page 6, "Security and Privacy" states "only anonymized performance metrics recorded on the blockchain". Please provide more specific guidance on which data elements are to be stored on-chain versus off-chain to ensure farmer privacy while maintaining auditability? What metadata associated with Biotokens will be on-chain?	Data proposed to be stored off-chain and data proposed to be stored on-chain will be reviewed and confirmed at the "Detailed Requirements/User Stories Sign-off" (refer to page 8 of the RFP for Key Milestones)
12. Will TCF provide the detailed algorithms, rules, and calculation logic for the "Pressure proxy score," "biodiversity performance score," and determining "Eligibility for token awards"? Or is the definition and development of this logic part of the vendor's scope?	Information to become apparent at the "Detailed Requirements/User Stories Sign-off" (refer to page 8 of the RFP for Key Milestones)
13. Where is the "Calculation logic" for indicators and scores expected to be executed (e.g., mobile app, backend server, or blockchain smart contracts)?	Solution providers are expected to propose the most suitable environment for execution.

<p>14. If an administrative user edits farmer-submitted data, how should this modification be reflected, particularly if the original data might have triggered or been part of a blockchain transaction (or Biotoken issuance)? Is the original entry preserved, and will there be an audit trail for such edits visible to relevant parties, including the farmer?</p>	<p>The entries into the blockchain will only occur after the data verification step has occurred.</p>
<p>15. Aside from the requirement for a private blockchain, are there any preferred technologies or existing infrastructure considerations for the mobile application development (e.g., native iOS/Android, cross-platform framework), backend development, or database systems?</p>	<p>The project team is open to suggestions as there are no preferences at this point</p>
<p>16. What is the estimated user count for the following:</p> <ul style="list-style-type: none"> • The Cropper Foundation (TCF) - Mobile Application & Web Application, administrative users • Pinaka Consulting - Mobile Application & Web Application, administrative users • Farmers – Mobile Application users • Financial Institutions (FI) Users – Web Application users 	<p>TCF = 5 Pinaka = 5 Farmers = 20 FI = 5</p>
<p>17. Are there preferred or prohibited blockchain frameworks/protocols (e.g., Hyperledger Fabric, Ethereum)?</p>	<p>No, see response above for Query #8</p>
<p>18. Can you share the exact calculation</p>	<p>Information to become apparent at the</p>

logic or threshold values that will trigger Biotoken issuance under the PSIR framework?	“Detailed Requirements/User Stories Sign-off” (refer to page 8 of the RFP for Key Milestones)
19. Is there an expected maximum data payload or sync frequency for offline mobile captures?	Offline data should be held for a maximum of 1 month but with prompts / notifications to the farmers and to sync