

Project Evaluation Series

**Evaluation of the project “System for
Earth Observation Data Access, Processing
and Analysis for Land Monitoring
(SEPAL)”**

Project code: GCP/GLO/537/NOR

Management response

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Evaluation recommendation	Management response Accepted, Partially accepted or Rejected	Management plan			Further funding required (Y or N)
		Actions to be taken, and/or comments about partial acceptance or rejection	Responsible unit	Time frame	
<p>Recommendation 1.</p> <p>The project team is encouraged to build on its successful partnership approach and systematically apply it to future technical development, particularly capacity building. Secondments from partners to the SEPAL team are one way to operate accordingly.</p> <p>Priority: very high: next 3 months.</p>	<p>Partially accepted</p> <p>We fully accept the conclusion that partnerships are key to expanding the use and functionality of the SEPAL platform. A proven model to expand partnerships and technical relationships in FAO is via letters of agreement (LOA). We will continue to work through LOAs to implement this recommendation.</p> <p>However, an FAO modality for formal secondments to the SEPAL team is not apparent to the SEPAL project team. Besides LoA, inkind contributions to the platform are another common modality to leverage and expand partnerships.</p>	<p>LOAs and inkind contributions with key technical and implementation partners to both improve technical functionality of the platform and support capacity building efforts in-country will be carried out. These activities are already budgeted in the existing SEPAL workplan.</p>	NFM	<p>Actions will be implemented throughout SEPAL Phase II beginning in Q3 2022 until Q2 2025.</p>	No

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<p>Recommendation 2.</p> <p>The project team should address the following emerging needs in Phase II:</p> <ol style="list-style-type: none"> i. Develop a "plan B" to address options to mitigate SEPAL's dependency on Google Earth Engine. ii. Provide more documentation, such as a user manual, tutorials, or guidance, written and videos, to better understand and work with the available functions (e.g., algorithms), particularly new ones. iii. Significantly upscale SEPAL's outreach through: <ul style="list-style-type: none"> • Awareness-raising using, for example, i) all relevant FAO Projects, ii) all Forest Resource Assessments, and iii) identifying and serving countries in need for SDG 15.1.1. reporting. • Capacity building, focusing on a training of trainers' model in main Project countries and more systematic and formalized communication between SEPAL and its partners, for example, through monthly meetings. 	Accepted	<p>Plan B</p> <p>A 'Plan B' is in place to establish connections to existing space agency data stores and processing hubs to both retrieve and, where possible, process data. However, This would significantly decrease the processing speed of SEPAL and significantly increase the cost of running the platform. We will continue to monitor potential 'Plan B' solutions as technology outside of Google Earth Engine is also evolving quickly (data cubes, other compute options, etc).</p> <p>Documentation</p> <p>Documentation is currently developing at a rapid pace. Plans are already in place for translation into any language and this will be rolled-out in the coming year. We will strive to keep documentation up to date and functional for our users with emphasis placed on familiarizing workshop participants and users about the existence and use of the documentation.</p> <p>Upscale SEPAL's outreach:</p> <ol style="list-style-type: none"> i. Strengthen SEPAL graphic identity in all communication materials and web/social media presence. ii. Develop and disseminate a promotional video for SEPAL. iii. Showcase impactful applications of SEPAL at country level through people-centered stories. Collect success stories in collaboration with national partners, and produce outreach materials (web stories, videos, factsheets, animated infographics, gif, etc.). 	NFM	<p>Plan B – already in place but will be continually monitored through the remaining time period of the project.</p> <p>Documentation – will be updated on a continual basis. Translation will be available starting in Q3 2022.</p> <p>Outreach - Starting in 2022 (Q3)</p> <p>High-res Data – already available in 2022. Will work continuously to improve the access and processing capability.</p>	No

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iv. Consider the demand for higher resolution data and the possibility to modify scripts Priority: high : next 3 to 6 months.		iv. Prepare and disseminate Annual Interactive Reports of SEPAL impact/results. v. Work closely with FAO’s Forest Resource Assessment (FRA) to identify country needs for 15.1.1. reporting (FRA coordinator is the SEPAL Phase II project LTO) vi. Starting immediately, a monthly calendar of SEPAL events will be shared with SEPAL Phase II partners. High resolution data High resolution data is already available in SEPAL via the NICFI/Planet data agreement. We will make sure these data are easily accessible and processable by SEPAL users. We will also work with SEPAL users with custom high-res datasets to incorporate and process them when the need arises thereby building needs-based technical capacity that can continue to be used in the future.			
Recommendation 3. The project team should address the two partially achieved outputs: developing SEPAL documentation in French and Spanish and systematically applying monitoring and evaluation of capacity-building events. Capacity building M&E should use pre-, and post-course assessments such as initial participant needs assessments and an evaluation questionnaire/survey after the course. For longer events	Accepted	Documentation Documentation is currently developing at a rapid pace. Plans are already in place for translation into any language and this will be rolled-out in the coming year. We will strive to keep documentation up to date and functional for our users with emphasis placed on familiarizing workshop participants and users about the existence and use of the documentation. Capacity building M&E Apply Kirkpatrick model for training evaluation using questionnaire/survey tools:	NFM	Starting in 2022 (Q3)	No

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beyond one day, the use of a complementary evaluation questionnaire/survey six months after the event could be applied to assess the use of knowledge/application of SEPAL. Priority: very high : next 3 months		i. Level 1 (reaction) and level 2 (learning) immediately after the capacity-building event; and for events beyond 1 day, level 3 (behavior) six months after the event. ii. Apply pre-work questionnaire to understand the knowledge and practices of users before for events beyond 1 day, and/or interactive exercises during the webinars (e.g. polls) for 1-day events.			
<p>Recommendation 4.</p> <p>The project team should consult its partners to assess which partners would welcome a formalization of the partnership, for example, through LOAs or memoranda of understanding (MOUs).</p> <p>Besides, project reporting should be more results-based using both quantitative and qualitative indicators for the new logframe of Phase II.</p> <p>The project team should also communicate its scheduled events to the donor before the events rather than only reporting about the event ex-post.</p> <p>Priority: high: next 3 to 6 months.</p>	Accepted	<p>Formalizing partnerships</p> <p>The SEPAL team will work through GFOI to assess which partners would be most willing and appropriate to sign LOAs or MOUs.</p> <p>In the cases where National Governments would also be interested to formalize working arrangements for the platform, a standard Letter of Agreement will be drafted and suitable for use.</p> <p>Project reporting</p> <p>Project reporting will immediately include metrics and reports on impact and results at all geographic levels.</p> <p>A set of indicators have been created that can be used for this purpose against the outputs/outcomes of the Phase II workplan.</p> <p>Event communicating</p> <p>Starting immediately, a monthly calendar of SEPAL events will be shared with project donors ahead of time for interested parties to be alerted and potentially react/participate in events at their discretion.</p>	NFM	All practices will be in place by Q4 2022.	No

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<p>Recommendation 5.</p> <p>For SEPAL Phase II, the Project team should identify and develop concept notes for specific modules outside the NICFI funding, which could be further negotiated and modified depending on potential donors’ priorities. Engage potential donors for resource mobilization accordingly.</p> <p>Priority: high: next 3 to 6 months</p>	Accepted	The SEPAL team will implement this approach as part of their effort to obtain the outstanding, foreseen SEPAL Phase II project budget of 5 million USD. Already under development are modules suitable for agricultural monitoring, fire monitoring, emergency monitoring, and near-real time alerts. These modules will continue to be developed and applications sought to which donors can contribute.		Active solicitation of donor contributions will begin Q4 2022 with ad hoc/opportunistic engagements as possible.	Yes
<p>Recommendation 6.</p> <p>While many risks are outside the direct control of SEPAL, the Project team should embark on a risk mitigation strategy, combined with an exit strategy for SEPAL to systematically plan for SEPAL’s use once the Norwegian funding has ended.</p> <p>Priority: high: next 3 to 6 months.</p>	Accepted	The SEPAL team has been planning and will continue to plan for a continuation strategy beyond the funding of the SEPAL Phase II project. This will include negotiations with FAO corporate to incorporate SEPAL into existing infrastructure, seek longer-term regular-program support for the platform, continue to seek additional donor support, explore models that could involve partnering with external partners to host the platform.			Yes
<p>Recommendation 7.</p> <p>Continue the parallel development of AWS and GEE solutions, both to cater to users that need the additional flexibility of AWS-based solutions and promote sustainability and reduce risk if the GEE platform becomes unavailable (“Plan B” scenario).</p> <p>Priority: high: next 3 to 6 months</p>	Accepted	The SEPAL team has done this in the past and will continue to develop in this manner for the life of the SEPAL Phase II project.			No

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<p>Recommendation 8.</p> <p>Work with the GEE team to improve authentication and related technical barriers to data sharing within the SEPAL platform; GEE integration should be entirely transparent to an end-user if it is the preferred mode of computation.</p> <p>Priority: high: next 3 to 6 months.</p>	Accepted	The SEPAL team is in constant contact with GEE development team. We will work with them to improve authentication and improve the technical functionality of GEE and Google Cloud Platform to enable and enhance the functionality of SEPAL.			No
<p>Recommendation 9.</p> <p>Dedicate a resource to documentation for end-users, including curated tutorials and guides (also consider a wiki framework for storing help pages, all having the same structure). Related to this, example scripts should be subjected to regular testing to ensure errors do not emerge over time due to updates of the SEPAL platform.</p> <p>Implement a video platform storing help videos.</p> <p>Priority: high: next 3 to 6 months</p>	Accepted	<p>Docs.sepal.io has been established for SEPAL documentation. The SEPAL team will dedicate effort to maintaining this site, translating the information into multiple languages, and generally trying to make the documentation as useful as possible.</p> <p>The upcoming MOOCs for SEPAL will also serve as a place where documentation and examples can be accessed and studied by SEPAL users.</p> <p>A process for testing scripts that will run operationally in SEPAL has been established and will continue to be tested in 2022.</p>		<p>Sepal docs – ongoing.</p> <p>MOOC – beginning Q2 2022.</p> <p>Script-testing – Q1 2022.</p>	No
<p>Recommendation 10.</p> <p>Increase the efficiency of some of the developed algorithms, according to the focus group's suggestions</p> <p>Priority: high: next 3 to 6 months.</p>	Accepted	The SEPAL team is constantly trying to improve the efficiency of algorithms running on the platform consistent with the latest peer-reviewed literature and documented algorithms. We will take the focus group suggestions and make sure we can meet the expectations put forth by this survey.		Ongoing, immediately.	No

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