PROJECT STATUS REPORT (PSR)

07/01/2022 - 12/31/2022 - PSR-09568

PROJECT SUMMARY

Operation number
RG-T3795

Suboperation number
ATN/ME-18356-RG

Project Name
Latitud R - Inclusive Recycling for the Circular Economy
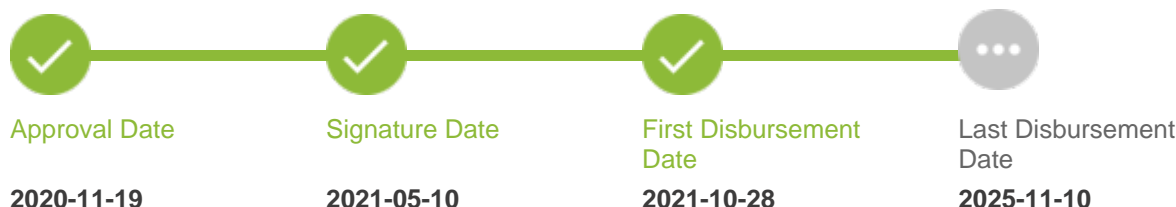
Team Leader
Erika Molina

Executing Agency
Fundacion Avina Panama

Purpose
El fin del Proyecto es ampliar el alcance de la Economía Circular en América Latina y el Caribe. El propósito del Proyecto esconsolidar el aporte del Reciclaje Inclusivo a la Economía Circular en la región, fortaleciendo el rol de los recicladores de base

Project cycle

Approval Date	Signature Date	First Disbursement Date	Last Disbursement Date
2020-11-19	2021-05-10	2021-10-28	2025-11-10

PSR SCORE

1.91

● 0 - 1 Red Flag
● 1 - 2 Yellow Flag
● 2 - 4 Green Flag

LEARNINGS

1. Risk and Lessons

1.1. Risk

1.1.1. What do you think is the biggest risk that threatens the achievement of the project objectives?

Unforeseen fluctuations on the price of the materials that hamper the feasibility of closing the loop of those materials via innovation in collection, transformation and commercialization. Crisis internacional reduce la disponibilidad de recursos por parte de las empresas para invertir en sostenibilidad.

1.2. Greatest Achievement or Failure

1.2.1. What has been the greatest achievement or failure in the last semester that affected the implementation of the project?

Latitud R logró superar las metas de recuperación: 250K toneladas directas desde que inició la iniciativa (75% de la meta a 4 años). La Aceleradora de Negocios de Latitud R desembolsó la primera inversión reembolsable y realizó la primera Academia Formativa, que logró acelerar 12 Start-ups innovadoras de toda la región que accedieron al programa mediante concurso. Asimismo, se fortaleció el pipeline de inversiones, contando con 5 potenciales empresas a ser invertidas en el corto plazo.

1.3. Findings and Lessons

1.3.1. What are the most useful findings and lessons from this project that when taken into consideration could improve the execution and results of existing projects and the design of similar projects in the future? A finding describes an action, circumstance or decision that was critical in determining the positive or negative evolution of the project (for example, switching from the development of a blockchain platform to a web-based shared database reduced the cost and time devoted to implementing the traceability capabilities required by the project). A lesson is a concrete, actionable proposal based on a finding that, in similar circumstances, would facilitate problem solving, risk mitigation, and the achievement of results (for example, Develop guidelines and criteria to identify candidates that could benefit from the implementation of a blockchain platform, and assess during the design if the selected project satisfies the criteria before committing to develop one).

Con relación al pipeline de inversiones, se debe seguir robusteciendo el mismo trabajando desde la Gerencia de la Aceleradora en conjunto con los emprendedores identificados para que las propuestas que eleven a los socios cuenten con la solidez y sustento suficientes. Por otro lado, ante la dificultad de encontrar financiamiento adicional para capitalizar la Aceleradora, se debe seguir reforzando el trabajo de relacionamiento con socios potenciales, definir una estrategia ad-hoc de levantamiento de fondos y operarla con apoyo de los socios actuales de la plataforma.

2. Scalability and replicability

2.1. Scalability Plan

2.1.1. Now that the Project is in the execution phase, have you developed any concrete plan or action that will allow it to reach a greater number of users/clients/beneficiaries (or broader environmental or resilience to climate change and natural disasters impacts) in the future?

Our Data Science Unit is building a "Green ROI" as an indicator of how effective and impactful our intervention is, not only in terms of recovery of recyclable materials but also in the achievement of social and environmental impacts. Once this ratio is estimated, we will be in the capacity to properly answer this question.

2.2. Costs and Partners to Scale

2.2.1. Now that the project is in the execution phase, do you know how much it costs to offer your product / service per user / client / beneficiary? Is this a factor that could affect reaching a greater

number of users / clients / beneficiaries in the future? Has any public or private institution requested this information from you, looking for scaling or replicating the model / product / service?

During the last two years, our model and narrative of Inclusive Recycling has been subject of investigation by journalists from mainstream media, specialized in solutions to urban challenges. Latitud R's narrative has been spotted in articles and interviews in media such as El País, National Geographic, La Vanguardia, El Tiempo, among others. This visibility paves the way for future replication.

2.3. Facilitating or Hindering Factors

2.3.1. Has any of these factors affected the number of users/clients/beneficiaries (more/fewer) reached by the project compared to what was originally planned (or environmental or resilience to climate change and natural disasters impacts)?

[Coordination with third parties, Complexity of the solution (high number of actors involved/interaction of many parts/components)]

2.4. Scalability Scope

2.4.1. How feasible it is that the organization could reach a number of users/clients/beneficiaries 5, 10 or 100 times the number originally planned in the project design, five years after the project ends?

[It could reach less than 5 times the number of users/clients/beneficiaries originally planned in the project design five years after its closure]

2.4.2. How likely is the organization to reach that number five years after the project ends?

[Highly probable (above 90% chance)]

2.5. IDB Group business relation

2.5.1. Has a business relation been created with another part of the IDB Group different from IDB Lab?

Yes, the Water and Sanitation division of the IDB is a Founding Partner of Latitud R. Its main focus is contributing with funding to support the improvement and implementation of better public policies that facilitate the development of inclusive recyclable materials value chains.

2.6. Replicability Partners

2.6.1. Are you aware of any other entity at a national or international level that has copied / replicated completely or partially the business model of the project? Did you collaborate in the process with that entity?

[Yes]

If Yes, Explain

Yes, the Water and Sanitation division of the IDB is a Founding Partner of Latitud R. Its focus is contributing with funding to support the improvement and implementation of better public policies that facilitate the development of inclusive recyclable materials value chains.

2.7. Replicability Scope

2.7.1. Number of users / clients / beneficiaries reached by entities that have fully or partially replicated / copied the business model / products / services implemented with the support of the project?

[At least 5 times but less than 10 times the number of users / clients / beneficiaries planned in the original project design]

2.7.2. Have you experienced, in the last year, significant expansion (50% or more) of the reach of the business model of the project beyond what was expected in the original project design (due to increasing of the organizational size, operational scope or geographic spread)?

[No]

2.8. Sustainability

2.8.1. How do you think the project will continue once the IDB Lab financing ends? Examples: it has identified external financing sources to continue operating, it has reached the breakeven point through the sale of services and products, it has obtained the support of public institutions or the private sector, it will adjust the business model to remain viable (via franchises, etc.)

Once the IDB Lab financing ends, the sustainability of the Inclusive Recycling model in our region will be facilitated by two factors: (i) the consolidation of public policies at the national and local levels and (ii) the voluntary and/or mandatory commitment from private companies with the national goals regarding increasing recycling rates. Both factors will increasingly co-finance the consolidation of inclusive recycling systems.

3. Implementation

3.1. Facilitating or Hindering Factors

3.1.1. What specific aspects have (positively or negatively) affected the implementation of the project the most?

[Coordination with third parties, Complexity or breadth of the proposed activities, Public recognition / award]

3.1.2. Explain in detail how these factors that you identified have made the implementation of the project easier or more difficult

Regarding coordination with third parties and complexity of our action, our model includes colabortive processes with actore from the three sectors involved in solid waste management. Our intervention covers 13 countries, multiple municipalities and hundreds os recyclers cooperatives. This reality demands a high level of atention from the team, in its efforts for articulation and generationg consensus amongst different interests towards common goals. Regarding public recognition, as already stated, the positioning of our narrative allows us to gain more credibility among our stakeholders and thus have more probability of success in our role as articulators. La complejidad de las actividades planteadas se ha incrementado por causa del contexto mundial de incertidumbre, dado que las empresas que forman parte de la plataforma han experimentado dificultades para sostener los compromisos presupuestales planteados. Asimismo las empresas que potencialmente se podrían sumar a la plataforma o al financiamiento de la aceleradora se muestran menos proclives a comprometerse financieramente.

3.2. Novel Tecnologies Factors

3.2.1. If the project makes use of novel technologies or methodologies, what factors have facilitated or hindered the implementation of the technological solution initially proposed by the project?

[Previous experience of the executing agency / client with the technology, Data availability]

4. Development Outcomes (Quantitative)

4.0 Has your project contributed to any of the following indicators in the last 12 months (last year)?

[4.1. Number of companies benefited, 4.2. Direct jobs generated by the project or financing, 4.3. Households/People with improved living conditions]

4.1. Number of companies with improved business performance or productivity

Total

318

4.1.2. Indicate which indicator in the results matrix is related to your answer, or how did you calculate this number?

De las 318 organiaciones: 239 son de recicladores, 12 star-ups aceleradas, las restantes son organizaciones implementadoras locales. El número se obtiene a partir de los reportes de resultados centralizados en la Unidad de Ciencia de Datos.

4.1.3. What type of services did the companies receive?

[Both]

4.1.4. Please select how the project is benefiting these companies

[Improved productivity or business performance (e.g. improved sales/reduced costs/improved profitability/return on capital/yields/labor productivity, Reduced climate risk or improved climate resilience of the Business, Improved capacity to address the needs of under-represented groups (e.g. afro-decedents/indigenous populations/people with disabilities/LGBTQ+), Improved capacity to address the needs of women, Improved capacity to address needs of youth/elderly or migrants]

Others, Which?

dada la complejidad de la intervención, no todos han recibido el mismo tipo de apoyo.

4.2. Direct jobs generated by the project. How many people were directly employed as a result of the project funded by IDB Lab?

Total

12979

Jobs created: number of men

5161

Jobs created: number of women

4349

4.2.2. Indicate which indicator in the results matrix is related to your answer, or how did you calculate this number?

3462 sin clasificar género 5 no binarie Cantidad de recicladores que se formalizan y participan de la gestión municipal

4.3. Number of Households/People with improved living conditions

[Households]

4.3.1. Total

12979

4.3.3. Indicate which indicator in the results matrix is related to your answer, or how did you calculate this number?

Los 12979 nuevos recicladores que se formalizan afectan positivamente las condiciones de los hogares.

4.3.4. Please select the type of benefit

[Improved employability (access to new skills that may lead to higher quality job opportunities or new work modalities), Improved access to financial services, Improved conditions related to migration issues]

4.5. Data Source

4.5.1. What kind of verification sources have you used to report the data you provided in this section? (Please select all that apply)

[Administrative information, Surveys, Evaluation]

5. Development Outcomes (Qualitative)

5.1. Target population identified in the design

Is the target population that was identified in the design being reached by the project? Select the target population actually reached by the project that was originally identified in the project design.

[Poor/vulnerable/low income population, Entrepreneurs, Women, Urban/periurban population]

5.2. Population served NOT identified in the project design

5.2.1. Select if there are Groups that were NOT originally identified in the project design but are being reached in the execution phase?

[Afro-descendants, People with disabilities, Indigenous population, LGBTQ+, Migrants and displaced persons, Child and young, Senior adults]

5.3. Facilitating or Hindering Factors

5.3.1. Factors that have affected (facilitated or hindered) reaching these groups, or the resilience/environmental impacts, in the numbers/dimensions that the project had originally planned.

[Adaptation of the product/service to the needs of the clients/users/beneficiaries, Institutional Capacity]

5.3.2. Explain in detail how these factors that you have identified have affected the ability of the project to reach the groups (achieve resilience/environmental impacts) in the numbers/dimensions originally expected

Our Action Framework as an institution includes our capacity to identify special needs of our stakeholders in the field and adapt our intervention to contribute to the attention of those needs. This institutional capacity allowed us to adapt the Inclusive Recycling model to different realities. For instance, in the case of Central America and the Caribean, the level of vulnerability of urban recyclers is rather higher than in South America. They work mainly in landfields and are poorly organized. They are often migrant populations who live in poverty and exclusion. Our model is prepared for working with such communities.

INDICATORS

Overachieved ✓ Achieved ••• Pending ⚙ In process ⚠ Overdue

C1: Recolección inclusiva

Weight: 20%   **Qualification:** High Satisfactory

75%			25%

	Indicators	Planned	Achieved	Status
I1	Cantidad de proyectos de fortalecimiento de sistemas inclusivos de recupero en ejecución.Proyectos en ejecución con diferentes actores clave del ecosistema de Reciclaje Inclusivo.	20 (2025-05-10)	**40** (2022-12-31)	🚀
I2	Cantidad de municipios de la región que mejoran sus sistemas GIRSU mediante la participación de recicladores. Municipios (de cualquier dimensión) que tienen normativas que reconocen e incluyen a los recicladores en los sistemas GIRSU.	193 (2025-05-10)	**165** (2022-12-31)	⚙
I3	Cantidad de personas capacitadas o asistidas técnicamente para fortalecer su rol en la GIRSU.Personas vinculadas a la problemática de la GIRSU (recicladores, representantes de empresas, periodistas, funcionarios, entre otros) que fortalecen su rol a parti	15550 (2025-05-10)	**21257** (2022-12-31)	🚀
I4	Cantidad de proyectos de innovación seleccionados y apoyados para mejorar los sistemas de recuperación de materiales.Proyectos de Innovación apoyados por Latitud R, seleccionados a partir de concursos competitivos que evalúen su potencial aporte a mejorar	4 (2025-05-10)	**6** (2022-12-31)	🚀

C2: Aceleración e inversión de soluciones innovadoras para la Economía Circular Incl

Weight: 40%   **Qualification:** Unsatisfactory

50%	50%		
Indicators	**Planned**	**Achieved**	**Status**
I1 Cantidad de inversiones de la Aceleradora de Negocios en emprendimientos de innovación en economía circular y servicios workertech para recicladores.	12 (2025-05-10)	**1** (2022-08-29)	⚙️
I2 Cantidad de procesos identificados y apoyados para otorgar segunda vida a materiales que actualmente no la tienen. No se espera que se complete el proceso, pero sí que esté en curso	3 (2025-05-10)	**4** (2022-12-31)	🚀

C3: Políticas Públicas

Weight: 20%   **Qualification:** Satisfactory

| 50%	50%		
Indicators	**Planned**	**Achieved**	**Status**
I1 Cantidad de países que generan sistemas normativos que incluyen la participación de orgde recicladores o la promoción de econPaíses qué, gracias a la intervención de Latitud R, generan sistemas normativos que incluyen la participación de los recicladores,	5 (2025-05-10)	**3** (2021-07-06)	⚙️
I2 Cantidad de Movimientos Nacionales de Recicladores fortalecidos para incidir y participar en Políticas públicas. Latitud R a través del proyecto de la RedLacre generará acciones que contribuyan a mejorar la capacidad de incidencia de los Movimientos Nacio	12 (2025-05-10)	**12** (2022-12-31)	✅
I3 Cantidad de asistencias técnicas a Gobiernos para la formulación de marcos regulatorios que contemplen el Reciclaje Inclusivo. Gobiernos (en sus diferentes niveles) asistidos técnicamente para la formulación de marcos regulatorios que contemplen el Recicl	131 (2025-05-10)	**139** (2022-12-31)	🚀
I4 Cantidad de pilotos de REP implementados. Pilotos de responsabilidad extendida del productor implementados a cualquier nivel (nacional, departamental, municipal).	8 (2025-05-10)		⚙️

C4: Conocimiento, información y comunicaciones

Weight: 20%   **Qualification:** High Satisfactory

100%			
Indicators	**Planned**	**Achieved**	**Status**
Cantidad de procesos colaborativos para la generación de datos que alimenten la Unidad de			

I1	Ciencia de Datos. Cantidad de acuerdos que dan cuenta de procesos colaborativos con organismos, organizaciones, tecnologías que permitan obtener y consolidar datos s	4 (2025-05-10)	**4** (2022-12-31)	✅
I3	Aumento de seguidores en las diversas plataformas y redes sociales de Latitud R, como parte de la estrategia de difusión y comunicaciones.	72000 (2025-05-10)	**118158** (2022-08-26)	🚀
I2	Productos y campañas de comunicación con el fin de difundir el trabajo de Latitud R y consolidar la perspectiva del Reciclaje Inclusivo como parte de la Economía Circular en la Región.	50 (2025-05-10)	**69** (2022-06-30)	🚀

MILESTONES

7 | 15 Total | 8 | 0

🟢 **Achieved**
🔴 **Overdue**
⚪ **Pending**
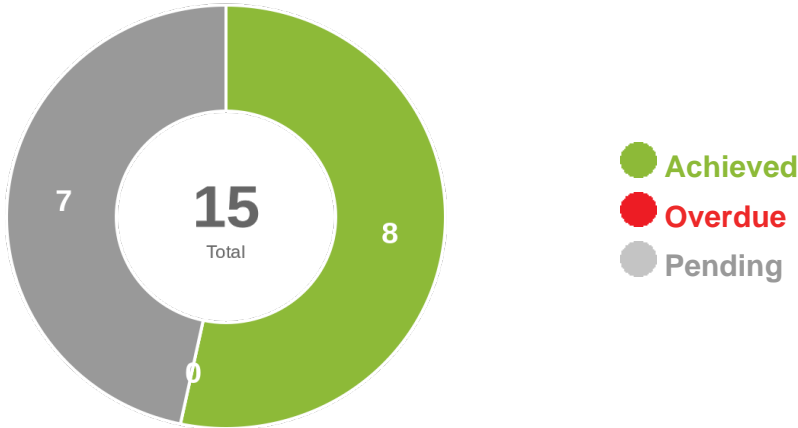
Milestones	Achieved Value	Due Date	Achieved Date	Status
*Reglamento operativo de la aceleradora aprobado	1	2021-12-30	2021-03-01	✅
*Unidad de Ciencia de Datos operativa	1	2022-03-30	2021-08-02	✅
*Alcanzar el compromiso firme de al menos USD 350.000 de nuevos fondos para la op	1	2022-11-01	2022-11-01	✅
*2 nuevas inversiones de la aceleradora de negocios aprobadas y en ejecucion (4 a	2	2023-04-30		⚪
*4 proyectos de fortalecimiento de sistemas inclusivos de recupero en ejecución	4	2023-01-30	2022-06-30	✅
*Aceleradora de Negocios de Economía Circular operativa con al menos dos inversio	1	2023-01-29		✅
*1,5 Millones usd de capital para la aceleradora levantado	1500000	2023-07-30		⚪
*1000 personas capacitadas o asistidas técnicamente para fortalecer su rol en la	1000	2023-10-30	2022-12-07	✅
*12 inversiones de la Aceleradora de Negocios en emprendimientos de innovación en	12	2024-11-30		⚪
*8 inversiones de la aceleradora de negocios ejecutadas	8	2024-01-30		⚪
*2 proyectos de innovación seleccionados y apoyados para mejorar los sistemas de	2	2024-07-30		⚪
*2 materiales nuevos con segunda vida	2	2024-11-30		⚪
*Al menos 2 inversiones con "exit" de Latitud R concretado	2	2025-05-30		⚪

*30 asistencias técnicas a gobiernos para la (re)formulación de marcos regulatori	30	2025-07-30	2022-10-31	✓
*Condiciones Previas / Prior Conditions	1	2021-11-10	2021-10-21	✓