



F10: Develo...

**Catalyst**
— FUND10 —

F10: Developer Ecosystem - The E...

Catalizador de proyectos**Suscribirse**

F10: Developer Ecosystem - The Evolution



GreenPulse // Cardano Carbon Footprint Calculator // Measure. Act. Make an Impact powered by @energiasocial editado

**Usted**

07/12/2023 07:00 PM · Idea #25133 · Puntos de vista 45

Editado por última vez por **Usted** en 07/16/2023 09:33 PM**Mostrar Historial de revisión****Answer:**

Lack of awareness, tools and incentives for individuals to quantify and reduce their carbon emissions.

[+ Agregar etiquet...](#)[blockchain](#)[business](#)[collaboration](#)[dapps](#)[education](#)[scaling](#)**[GENERAL] Name and surname of main applicant****Answer:**

Guillermo Lucero

[GENERAL] Email address of main applicant**Answer:**

guillermo.lucero@energiasocial.co

Additional applicants**Answer:**



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**[GENERAL] Requested funds in ada****Answer:**

75000

[GENERAL] Please specify how many months you expect your project to last (from 2-12 months)**Answer:**

9

[GENERAL] Please indicate if your proposal has been auto-translated into English from another language.**Auto-translated?**

No

[GENERAL] Summarize your solution to the problem (200-character limit including spaces)**Answer:**

Providing users with a user-friendly app that quantifies their emissions and environmental impact and incentivizes emission reduction through a blockchain-based carbon credit system using ADA rewards.

[GENERAL] Website/ GitHub repository, or any other relevant link**Link**<https://energiasocial.co>**Link 2**<https://www.linkedin.com/company/energiasocial>**Link 3**<https://txpipe.io>**[GENERAL] Does your project have any dependencies on other organizations, technical or otherwise?****Answer:**

Yes



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[GENERAL] Is and why you believe it is essential for your project to do delivery. If NO, please write "No dependencies." .

Answer:

@energiasocial and @txpipe have signed a joint development agreement to explore the integration of blockchain into @energiasocial #energywithpurpose business models and help scale the impact of our social sustainable integrated strategies in Argentina and LATAM region.

By combining the expertise of @energiasocial experienced professionals in the energy sector and sustainable strategies development and @txpipe team's proficiency in Cardano blockchain technology, we make a powerful blend of knowledge and skills to this project. Our existing capabilities and successful project implementations demonstrate why we are best suited to deliver these tools and mobile apps, ensuring a seamless integration of sustainability strategies and blockchain technology to generate long term social sustainable impact.

<https://txpipe.io/>

<https://www.linkedin.com/company/txpipe/>

https://twitter.com/txpipe_tools

<https://github.com/txpipe>

[GENERAL] Will your project's output/s be fully open source?

Answer:

No

[GENERAL] If NO, please describe which outputs are not going to be open source. If YES, please write "Project will be fully open source."

Answer:

In order to monetize the application while still providing it as a free and open-source solution for users, we will enter into contracts with local governments. The governments will fund the project and gain access to customized features, analytics, and data insights. This model allows us to sustain the app's development while ensuring its availability to users at no cost.

[METADATA] Category of proposal

Answer:



[METADATA] SDG rating

SDG rating:

SDG Rating: The proposed application aligns with several United Nations Sustainable Development Goals (SDGs),

1. Sustainable Development Goals (SDGs) The proposed project aligns with several United Nations Sustainable Development Goals, including:

- SDG 13: Climate Action: The app promotes climate action by empowering individuals to quantify and reduce their carbon emissions, contributing to global efforts to combat climate change.
- SDG 12: Responsible Consumption and Production: By raising awareness of the environmental impact of daily habits, the app encourages responsible consumption and production patterns.
- SDG 9: Industry, Innovation, and Infrastructure: The integration of blockchain technology in the app demonstrates innovation in addressing sustainability challenges and supports the development of sustainable infrastructure.

2. Sub Goals and Key Performance Indicators (KPIs) The project will track the progress and impact using the following sub-goals and KPIs:

a) Sub Goal: Increased user awareness and understanding of carbon emissions.

- KPI: Number of users engaging with educational materials and resources within the app.
- KPI: User feedback indicating improved understanding of personal carbon footprints.

b) Sub Goal: Reduction in carbon emissions by users.

- KPI: Percentage reduction in carbon emissions reported by app users over time.
- KPI: Number of users actively participating in emission reduction challenges and initiatives.

c) Sub Goal: Adoption and utilization of ADA rewards.

- KPI: Number of users redeeming carbon credits for ADA tokens.
- KPI: ADA transaction volume within the app's ecosystem.

d) Sub Goal: Partnerships with local governments.

- KPI: Number of local government contracts established.
- KPI: Financial impact of government partnerships on project sustainability.



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app's functionality and user experience.

- KPI: Number of app downloads and active users over time.

By monitoring and analyzing these sub-goals and KPIs, we will assess the effectiveness of the app in achieving its objectives and contribute to the desired sustainable development outcomes.

[IMPACT] Please describe your proposed solution.

Answer:

The development of our users carbon footprint calculator application will be designed to revolutionize our individual and community efforts for a sustainable future. Our proposed solution For the development of a Mobile App for Carbon Emission Quantification and Blockchain-based Carbon Credit System addresses one of the main problems of our modern society, CO2 emissions.

Problem Perception: We perceive the problem as a lack of awareness and incentives for individuals to reduce their carbon emissions. Many people are unaware of the environmental impact of their daily habits, and there is a need to motivate and empower them to make sustainable choices. Our solution aims to address this by providing users with a user-friendly app that quantifies their emissions, educates them about their environmental impact, and incentivizes emission reduction through a blockchain-based carbon credit system using ADA rewards.

Approach Reasoning: We chose to develop a mobile app because it offers a convenient and accessible platform for individuals to track and quantify their carbon emissions in real-time. By utilizing blockchain technology, we ensure transparency and security in the carbon credit system, allowing users to earn ADA rewards for their emission reduction efforts. This approach combines technology, education, and incentives to drive behavior change towards a more sustainable lifestyle.

Project Engagement: We will engage with multiple stakeholders for the success of the project. This includes:

- Development Team: Comprising app developers, blockchain experts, and UI/UX designers.
- Cardano Community: Engaging with the Cardano community to leverage their expertise and gather user feedback.
- Local Governments: Collaborating with local governments to establish contracts for customized features, analytics, and



channels, and social features to create a community of environmentally conscious individuals.

Impact Demonstration: We will demonstrate and prove the impact of the project through various means:

- **Tracking User Data:** The app will collect data on carbon emissions, user engagement, and emission reduction efforts. Analyzing this data will provide insights into individual and collective impact.
- **Carbon Reduction Metrics:** By quantifying carbon emissions and tracking reduction efforts, we can showcase the positive environmental impact achieved by users.
- **ADA Rewards Redemption:** The number of users redeeming carbon credits for ADA tokens will serve as evidence of the effectiveness of incentives in motivating emission reduction.
- **User Feedback and Testimonials:** Gathering user feedback and testimonials will provide qualitative evidence of the app's impact on awareness, behavior change, and engagement.

By utilizing these methods, we will demonstrate the tangible impact of our solution in raising awareness, incentivizing emission reduction, and fostering a sustainable community of users.

Uniqueness of Our Solution Our solution stands out due to several unique aspects:

1. **Comprehensive Approach:** Our mobile app combines carbon emission quantification, education, and blockchain-based incentives into a single platform. This holistic approach empowers users to understand their impact, take meaningful actions, and be rewarded for their efforts.
2. **Integration of Blockchain Technology:** By leveraging Cardano's blockchain infrastructure, we ensure a secure, transparent, and immutable carbon credit system. This integration enables seamless redemption of ADA rewards and enhances trust and accountability in the ecosystem.
3. **Government Engagement:** Partnering with local governments allows us to customize features and collaborate on data insights. This engagement strengthens the project's sustainability, expands its reach, and fosters a collaborative relationship between the app, users, and government entities.

Beneficiaries Multiple stakeholders will benefit from our solution:

1. **Individuals:** Users gain awareness, knowledge, and incentives to reduce their carbon emissions. They can track their



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2. Local Governments: Engaging with the app enables governments to promote sustainable practices, collect valuable data, and support environmental initiatives. It aligns with their climate action goals and demonstrates commitment to sustainability.
3. Cardano and its Ecosystem: Our solution showcases the practical application of Cardano's blockchain technology in addressing real-world environmental challenges. It highlights the versatility and potential of Cardano, attracting attention, adoption, and investment in the ecosystem.

Importance to Cardano and the Cardano Ecosystem Our solution is important to Cardano and its ecosystem for several reasons:

1. Real-World Use Case: The app demonstrates a tangible use case for Cardano's blockchain technology, illustrating its utility beyond traditional financial applications. It strengthens Cardano's reputation as a blockchain platform with practical solutions for global challenges.
2. Adoption and Token Utilization: The integration of ADA rewards within the app drives adoption and utilization of the native cryptocurrency. It creates demand for ADA tokens, potentially increasing their value and boosting the ecosystem's growth.
3. Positive Social Impact: The solution aligns with Cardano's vision of creating positive social impact. By incentivizing emission reduction and promoting sustainable habits, it contributes to global climate action goals and fosters a more environmentally conscious community.

Overall, our solution showcases Cardano's strengths, generates positive impact, and fosters collaboration among users, governments, and the Cardano ecosystem, thereby solidifying its position as a leading blockchain platform for sustainability-focused applications.

[IMPACT] How does your proposed solution address the challenge and what benefits will this bring to the Cardano ecosystem?

Answer:

The proposed solution addresses the development and infrastructure challenge by utilizing Cardano's blockchain infrastructure and integrating it into the mobile app. This ensures a secure, transparent, and scalable carbon credit system, leveraging Cardano's robust network and smart contract capabilities. By integrating blockchain



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creats.

Benefits to the Cardano Ecosystem:

1. Adoption and Token Utility: The integration of ADA rewards within the app incentivizes users to engage with the Cardano ecosystem and utilize ADA tokens. This increases adoption and token utility, driving demand for ADA and enhancing the overall value and utility of the Cardano ecosystem.
2. Showcasing Technology Potential: The proposed solution demonstrates the real-world application of Cardano's technology beyond financial transactions. It highlights the versatility and potential of Cardano's blockchain infrastructure for addressing global challenges and contributes to Cardano's reputation as a leading blockchain platform.
3. Collaboration and Partnerships: Engaging with local governments to establish contracts for customized features and data insights fosters collaboration and partnerships within the Cardano ecosystem. It showcases the value proposition of Cardano to government entities, driving further adoption and opening doors for future collaborations.

Impact for Cardano:

1. Enhanced Reputation: The project's successful implementation and impact on emission reduction and sustainability will enhance Cardano's reputation as a blockchain platform that actively contributes to positive social and environmental change. It reinforces Cardano's commitment to sustainable development and responsible technology.
2. Increased Network Activity: The integration of the proposed solution will lead to increased network activity on Cardano. Users redeeming carbon credits, engaging with the app, and participating in emission reduction initiatives will contribute to a more vibrant and active ecosystem.
3. Wider Community Engagement: The project's focus on sustainability and environmental impact will attract individuals and organizations with similar values to the Cardano ecosystem. This expands the community and diversifies engagement, creating a network effect and fostering a community of environmentally conscious individuals within the Cardano ecosystem.

In summary, the proposed solution brings value to the Cardano ecosystem by driving adoption and token utility, showcasing technology potential, fostering collaboration, enhancing Cardano's reputation, increasing network activity, and attracting a wider community. It ad-



growth and positive impact.

The impact our project will bring to the Cardano ecosystem can be qualified and quantified through various indicators:

1. Adoption Metrics:

- Number of active users engaging with the app and utilizing the ADA rewards system.
- Percentage increase in the number of ADA wallet holders within the app's ecosystem.
- Growth in the number of transactions involving ADA tokens within the app.

• 2. Token Utility and Demand:

- Volume of ADA tokens redeemed for carbon credits within the app.
- Increase in the number of merchants or service providers accepting ADA as payment within the app's ecosystem.
- Rise in the value of ADA due to increased demand and utilization within the app.

• 3. Network Activity:

- Increase in the number of smart contracts deployed within the app's carbon credit system.
- Volume of transactions and interactions recorded on the Cardano blockchain through the app.
- Growth in the number of decentralized applications (dApps) and initiatives built on 4. Cardano inspired by the success of our project.

• Partnerships and Collaborations:

- Number of local governments or environmental organizations that enter into contracts or collaborations with the project.
- Financial impact of these partnerships on the sustainability and growth of the project.
- Increased visibility and recognition of Cardano as a preferred blockchain solution for sustainability-focused projects.

• 5. Environmental Impact:

- Reduction in carbon emissions reported by app users over time.
- Number of users actively participating in emission reduction challenges and initiatives within the app.
- Positive feedback and testimonials from users regarding the impact of the app on their environmental consciousness and sustainable practices.



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activity, partnerships, and environmental sustainability. It demonstrates the growth and value that our project brings to Cardano, solidifying its position as a leading blockchain platform for innovative and impactful solutions.

[IMPACT] How do you intend to measure the success of your project?

Answer:

The impact our project will bring to the Cardano ecosystem can be qualified and quantified in the following ways:

1. Increased Adoption and Token Utility:

- Quantification: Measure the number of new users engaging with the Cardano ecosystem through the app and the amount of ADA tokens utilized for carbon credit redemption.
- Qualification: Assess the growth rate of app users adopting ADA for incentives and rewards, and track the increase in overall ADA transaction volume within the app's ecosystem.

2. Network Activity and Engagement:

- Quantification: Analyze the number of active users, frequency of app usage, and duration of user engagement within the Cardano ecosystem.
- Qualification: Evaluate user feedback and satisfaction levels, track user participation in emission reduction challenges and community initiatives, and monitor social media activity related to the app and Cardano ecosystem.

3. Partnerships and Collaborations:

- Quantification: Count the number of contracts established with local governments or other entities, showcasing the value of the app's data insights and customized features.
- Qualification: Evaluate the impact of government collaborations in terms of data access, scalability, and revenue generation for sustaining and expanding the app's development.

4. Positive Environmental Impact:

- Quantification: Calculate the cumulative carbon emissions reduced by users utilizing the app's emission quantification and reduction features.
- Qualification: Collect user testimonials and case studies illustrating the real-world impact of the app on individual behavior change, sustainable habits, and overall emission reduction efforts.



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ing the Cardano ecosystem as a result of the app's sustainability focus.

- Qualification: Assess the diversity and engagement levels of the app's user community, including environmental organizations, sustainability advocates, and individuals passionate about climate action.

By consistently tracking and analyzing these metrics, we can effectively qualify and quantify the impact our project brings to the Cardano ecosystem. This data-driven approach allows us to measure the project's success, identify areas for improvement, and showcase the positive outcomes achieved through the integration of our solution within the Cardano ecosystem.

The innovation of our solution will have a significant impact on Cardano's productivity and growth in both the short and long term. Here's a detailed description of how it will affect Cardano:

Short Term Impact:

1. Increased Adoption: The integration of our innovative mobile app and carbon credit system will attract new users to the Cardano ecosystem. This influx of users will increase activity and engagement, leading to a more vibrant ecosystem.
2. Token Utilization: The utilization of ADA tokens within the app for carbon credit redemption will drive demand for ADA, increasing its token utility. This will enhance the liquidity and value of ADA, benefiting the overall Cardano ecosystem.
3. Community Engagement: The app's focus on sustainability and environmental impact will attract environmentally conscious individuals, sustainability advocates, and organizations to the Cardano community. This diversity of engagement will foster a stronger and more vibrant community, driving collaboration and innovation.

Long Term Impact:

1. Network Effects: As more users adopt our mobile app and engage with the Cardano ecosystem, network effects will come into play. The growth in user activity will attract developers, businesses, and investors, creating a positive feedback loop for further expansion and adoption.
2. Sustainable Development Showcase: Our innovative solution will position Cardano as a leading blockchain platform for sustainable development and environmental solutions. This positioning will attract attention from organizations, governments, and investors interested in utilizing Cardano's technology for other sustainability-focused projects.



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for partnerships and collaborations with local governments, environmental organizations, and other stakeholders. These collaborations will further expand the Cardano ecosystem and contribute to its growth and impact.

Qualitative Measures: Apart from quantitative metrics, we will also measure qualitative factors to gauge the success and impact of our solution. These qualitative measures include user opinions, feedback, testimonials, and case studies highlighting the positive experiences, behavior changes, and environmental impact achieved through the app. These qualitative measures provide valuable insights into user satisfaction, engagement, and the overall effectiveness of the solution in driving sustainable practices.

In summary, our innovative solution will drive short-term adoption, token utilization, and community engagement. In the long term, it will generate network effects, position Cardano as a sustainability leader, and foster partnerships. By measuring both quantitative and qualitative factors, we can comprehensively evaluate the productivity and growth of Cardano and ensure that our solution delivers tangible benefits to the ecosystem.

[IMPACT] Please describe your plans to share the outputs and results of your project?

Answer:

Our plans to share the outputs and results of our project involve a comprehensive dissemination strategy to ensure the widest reach and impact. Here is a detailed plan:

1. Publications and Reports:

- We will prepare research papers and reports documenting the methodology, findings, and impact of our project. These publications will be made available on relevant platforms, such as academic journals, research repositories, and our project website.

• Social Media and Online Presence:

- We will leverage social media platforms, such as Twitter, LinkedIn, and YouTube, to share project updates, success stories, and key findings. This will enable us to engage with a broader audience, including individuals, organizations, and communities interested in sustainability and blockchain technology.

2. Presentations and Conferences:



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to share insights, gather feedback, and establish collaborations with like-minded professionals and researchers.

-

3. Collaborative Partnerships:

- We will actively seek collaborative partnerships with other organizations, universities, and research institutions interested in our project's findings. Through partnerships, we can jointly disseminate results, share resources, and foster further research and development activities.

4. Open-source Contributions:

- We will contribute to the open-source community by sharing relevant code, libraries, and frameworks developed during the project. This will encourage collaboration, innovation, and the replication of our project's success in different contexts.

Opportunities Arising from the Project:

- The successful completion of our project will create opportunities for further collaborations, partnerships, and funding. It will attract attention from potential investors, government entities, and organizations seeking to implement similar solutions. These opportunities will facilitate the scaling and sustainability of the project's impact.

Use of Results in Further Research and Development:

- The results generated from our project will serve as a foundation for future research and development activities. We will leverage the insights gained to improve the app's functionality, enhance the carbon credit system, and explore additional features or integrations. The results will also inform future studies on user behavior, impact assessment methodologies, and the intersection of sustainability and blockchain technology.

Through these strategies, we aim to share the outputs and impact of our project with a wide audience, including the Cardano community, stakeholders, potential partners, and the open-source community. We anticipate that sharing the project's results will create opportunities for collaboration, foster innovation, and contribute to the broader goal of sustainable development. The results generated from the project will serve as a foundation for further research and development, enabling us to refine and expand our solution to better address environmental challenges and contribute to the Cardano ecosystem.



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involve your project with high levels of trust and accountability?

Answer:

@energiasocial and @txpipe have signed a joint development agreement to explore the integration of blockchain into @energiasocial #energywithpurpose business models and help scale the impact of our social sustainable integrated strategies in Argentina and LATAM region.

The @energiasocial team, with their expertise in social sustainable integrated strategies development, and the @txpipe developer team, with their master knowledge of Cardano blockchain technology, are ideally suited for the task and challenges ahead. Here are our existing capabilities that demonstrate why we believe we are best suited to deliver this project:

1. @energiasocial's Expertise:

- Extensive Experience: Our team has a proven track record in developing social sustainable integrated strategies. We have successfully implemented projects focused on behavior change, environmental impact assessment, and community engagement, equipping us with the necessary expertise for this project.
- Deep Domain Knowledge: We possess in-depth knowledge of sustainability practices, carbon emissions quantification, and environmental initiatives. This expertise enables us to design effective strategies tailored to address the challenges of promoting sustainable habits and quantifying emissions accurately.
- Engagements and Partnerships: We have established valuable partnerships with governments, environmental organizations, and communities. Our existing collaborations showcase our ability to engage stakeholders, gain their support, and ensure successful project implementation.

2. @txpipe's Cardano Blockchain Expertise:

- Extensive Cardano Knowledge: The @txpipe developer team has comprehensive knowledge and expertise in Cardano blockchain technology. We understand the architecture, protocols, and capabilities of the Cardano network, ensuring a solid foundation for integrating blockchain into our mobile app.
- Experience with Smart Contracts: We have hands-on experience in developing and implementing smart contracts on the Cardano blockchain. This expertise is crucial for the secure



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- ~~Solid Development Track Record.~~ Our team has a proven track record in delivering successful blockchain-based projects, showcasing our ability to navigate complex technical challenges and deliver robust solutions.

By combining the expertise of @energiasocial in sustainable strategies development and the @txpipe team's proficiency in Cardano blockchain technology, we bring a powerful blend of knowledge and skills to this project. Our existing capabilities and successful project implementations demonstrate why we are best suited to deliver this mobile app, ensuring a seamless integration of sustainability, behavior change, and blockchain technology for quantifying carbon emissions and incentivizing emission reduction.

<https://energiasocial.co/>
<https://twitter.com/energiasocialco>
<https://www.linkedin.com/company/energiasocial/>
<https://github.com/energiasocial>

<https://txpipe.io/>
<https://www.linkedin.com/company/txpipe/>
https://twitter.com/txpipe_tools
<https://github.com/txpipe>

[CAPABILITY/ FEASIBILITY] What are the main goals for the project and how will you validate if your approach is feasible?

Answer:

Main Goals for Our Project:

1. Goal: Develop a mobile app that allows users to quantify their carbon emissions, educates them about their environmental impact, and incentivizes emission reduction through a blockchain-based carbon credit system.
 - a. Objective: Create a user-friendly mobile app with comprehensive features for tracking, quantifying, and providing feedback on carbon emissions from daily habits and activities.
 - b. Validation: User feedback on the usability, accuracy, and effectiveness of the carbon emission quantification features. Evaluation of the app's educational resources and the adoption of emission reduction initiatives by users.
2. Goal: Establish a blockchain-based carbon credit system using Cardano's infrastructure to provide users with rewards in



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- Credit system integrated with Cardano's blockchain.
- b. Validation: Validation of the smart contracts and blockchain integration, ensuring accurate tracking and management of carbon credits. Measurement of the number of users actively participating in emission reduction challenges and redeeming carbon credits for ADA rewards.
 - 3. Goal: Raise awareness and promote behavior change by providing educational resources and information on sustainable practices.
 - a. Objective: Develop educational content within the app, including articles, tips, and interactive features, to inform and educate users about carbon emissions and sustainable habits.
 - b. Validation: User feedback on the usefulness and impact of the educational resources. Assessing changes in user behavior and adoption of sustainable practices through surveys or periodic assessments.
 - 4. Goal: Foster a community of environmentally conscious individuals through social engagement features.
 - a. Objective: Implement social features such as user profiles, activity feeds, and leaderboards to encourage interaction, collaboration, and competition among users.
 - b. Validation: Measurement of user engagement with social features, including the number of user interactions, the growth of the user community, and qualitative feedback on the sense of community and collective efforts towards emission reduction.

The feasibility of our approach will be validated through the successful implementation of the mobile app with the desired features and functionalities. User feedback, engagement metrics, and adoption rates will indicate the feasibility and effectiveness of our approach in achieving the goals outlined above. Additionally, continuous monitoring, iterative development, and user testing will allow us to refine our approach and address any challenges or issues that may arise during the project.

[CAPABILITY/ FEASIBILITY] Please provide a detailed breakdown of your project's milestones and each of the main tasks or activities to reach the milestone plus the expected timeline for the delivery.

Answer:

Milestone 1: Project Initiation and Planning

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- Timeline: 1 month

- Success Criteria: Completion of project kickoff meeting, team roles defined, requirements documented, and project plan finalized.

Milestone 2: Mobile App Development

- Activities: Designing the user interface (UI) and user experience (UX), front-end and back-end development, integrating carbon emission quantification features, and educational resources.
- Timeline: 3 months
- Success Criteria: Completion of UI/UX design, functional mobile app prototype, integration of carbon emission quantification features, and inclusion of educational resources.

Milestone 3: Blockchain Integration

- Activities: Integration of Cardano's blockchain infrastructure, development of smart contracts for the carbon credit system, testing and security audits.
- Timeline: 2 months
- Success Criteria: Successful integration of Cardano's blockchain, development and deployment of secure smart contracts, completion of testing and security audits.

Milestone 4: Incentive System and ADA Integration

- Activities: Designing the incentive system for emission reduction, integrating ADA rewards, testing and refining the carbon credit redemption process.
- Timeline: 1 month
- Success Criteria: Implementation of the incentive system, successful integration of ADA rewards, and a functional carbon credit redemption process.

Milestone 5: Educational Resources and Social Engagement

- Activities: Development and inclusion of educational resources, implementation of social engagement features, such as user profiles, activity feeds, and leaderboards.
- Timeline: 1 month
- Success Criteria: Inclusion of comprehensive and engaging educational resources, successful implementation of social engagement features.

Milestone 6: Testing and Quality Assurance

- Activities: Comprehensive testing of the mobile app, bug fixes, performance optimization, and quality assurance.
- Timeline: 1 month
- Success Criteria: Successful completion of testing, resolution of identified bugs, and optimization of app performance.

Milestone 7: User Feedback and Iteration

- Activities: Beta testing with a group of users, gathering feedback, analyzing user input, and incorporating improvements.
- Timeline: 1 month



based on user input.

Milestone 8: Deployment and Launch

- Activities: Final preparations for production deployment, app store submission, and official launch of the mobile app.
- Timeline: 1 month
- Success Criteria: Successful deployment of the app on app stores and official launch to the public.

Note: The above timeline is an estimation for a 9-month period, and the actual duration of each milestone may vary depending on project complexities and resource availability. It is important to regularly review and adjust the timeline based on the project's progress and any unforeseen challenges that may arise during the development process.

Implementation Plan:

1. Project Initiation:

- Conduct a project kickoff meeting to align the team, establish project goals, and define roles and responsibilities.
- Gather requirements, conduct stakeholder analysis, and define the project scope.
- Develop a project plan, including a detailed timeline, resource allocation, and risk management strategy.

2. Design and Development Phase:

- Design the user interface (UI) and user experience (UX) of the mobile app, ensuring it is intuitive and user-friendly.
- Develop the front-end and back-end of the app, incorporating features for carbon emission quantification and educational resources.
- Implement the blockchain integration with Cardano, including the development of smart contracts for the carbon credit system.

3. Testing and Quality Assurance:

- Conduct thorough testing of the mobile app to ensure functionality, performance, and security.
- Identify and resolve any bugs or issues encountered during testing.
- Optimize the app's performance and user experience based on feedback and testing results.

4. Incentive System and ADA Integration:

- Design and implement the incentive system, defining the criteria and rewards for emission reduction achievements.



5. Educational Resources and Social Engagement:

- Develop comprehensive educational resources within the app, including articles, tips, and interactive features to educate users about carbon emissions and sustainable habits.
- Implement social engagement features, such as user profiles, activity feeds, and leaderboards, to foster a community of environmentally conscious individuals.

6. User Feedback and Iteration:

- Conduct beta testing with a group of users to gather feedback on the app's functionality, user experience, and impact.
- Analyze user feedback and identify areas for improvement or further iteration.
- Incorporate user feedback into the app's design and functionality through iterative development cycles.

7. Deployment and Launch:

- Prepare the app for production deployment, including final testing, bug fixes, and performance optimization.
- Submit the app to relevant app stores for review and approval.
- Officially launch the app to the public, accompanied by marketing and promotional efforts.

Overall Project Management Approach:

- Adopt an agile project management approach, allowing for flexibility, continuous feedback, and iterative development.
- Utilize project management tools for task tracking, collaboration, and communication among team members.
- Conduct regular progress meetings to monitor project milestones, address challenges, and adjust plans as necessary.
- Foster a collaborative and transparent project culture, promoting open communication and knowledge sharing among team members.
- Regularly assess project risks and implement mitigation strategies to minimize potential impacts.
- Prioritize user-centric design and incorporate user feedback throughout the development process.

By following this detailed implementation plan and employing effective project management practices, we can ensure a smooth and successful execution of the project, leading to the development of a high-quality mobile app that addresses the goals and objectives outlined.

**Answer:**

Here are the deliverables, outputs, and intended outcomes for each milestone during the 9-month development period:

Milestone 1: Project Initiation and Planning

- Deliverables: Project charter, stakeholder analysis, project plan, and risk management plan.
- Outputs: Defined project goals and objectives, clear roles and responsibilities, and a comprehensive project plan.
- Intended Outcome: A well-defined project scope, timeline, and resource allocation to guide the development process.

Milestone 2: Mobile App Prototype

- Deliverables: User interface (UI) and user experience (UX) design, wireframes, and a functional mobile app prototype.
- Outputs: Visual design concepts, interactive wireframes, and a functional prototype showcasing the app's core features.
- Intended Outcome: A tangible representation of the mobile app's look, feel, and functionality for further evaluation and feedback.

Milestone 3: Back-End Development and API Integration

- Deliverables: Back-end infrastructure, database design, and API integrations for necessary functionalities.
- Outputs: Fully functional back-end system, database schema, and integrated APIs for seamless data flow.
- Intended Outcome: A robust and scalable back-end infrastructure to support the app's functionality and data management.

Milestone 4: Front-End Development and User Interface Refinement

- Deliverables: Developed front-end components, refined user interface, and improved user experience.
- Outputs: Interactive front-end elements, refined UI designs, and enhanced UX based on user feedback.
- Intended Outcome: A visually appealing and user-friendly interface that aligns with the app's intended functionality.

Milestone 5: Feature Implementation and Testing

- Deliverables: Implemented features, functional modules, and comprehensive testing plan.
- Outputs: Fully developed and tested features, user feedback incorporated into feature enhancements.
- Intended Outcome: All core features implemented and tested, ensuring functionality, stability, and usability.



- Deliverables: Integrated third-party services, data encryption, and security protocols.
- Outputs: Seamless integration of required services, encrypted data storage, and protection against security threats.
- Intended Outcome: A secure and integrated app environment that safeguards user data and ensures reliable service performance.

Milestone 7: User Testing and Feedback Incorporation

- Deliverables: User testing reports, feedback analysis, and implemented improvements.
- Outputs: User feedback reports, documented issues, and refined features based on user input.
- Intended Outcome: Identified usability issues addressed, enhanced user experience, and improved overall app performance.

Milestone 8: Deployment and Launch Preparation

- Deliverables: Production-ready app build, app store submission materials, and launch plan.
- Outputs: Finalized app version, app store listing, and comprehensive launch strategy.
- Intended Outcome: A fully prepared app for release, meeting app store guidelines, and ready to be deployed to users.

Throughout the 9-month development period, the intended outcomes include:

- A functional and user-friendly mobile app that quantifies carbon emissions and educates users about their environmental impact.
- Successful integration of third-party services, such as carbon emission databases and educational resources.
- Validation of the app's usability, performance, and security through user testing and feedback incorporation.
- Completion of all planned features and functionalities as outlined in the project requirements.
- A well-prepared app for deployment, ensuring compliance with app store guidelines and a comprehensive launch strategy.

These deliverables, outputs, and intended outcomes are designed to ensure the successful development, testing, and launch of the mobile app, aligning with the project's goals and objectives. We will measure these aspects through documentation, user feedback mechanisms, testing reports, analytics tools, and regular progress reviews to ensure the project is on track and achieving the intended outcomes.



tailed budget breakdown of the proposed work and resources.

Answer:

Here is a detailed budget breakdown for the proposed work and resources, ensuring that each element aligns with the plan and timeline, while staying within the total budget of ₦75,000.00 over the nine-month development period:

1. Project Initiation and Planning:

- Project management: ₦ 5,000.00
- Stakeholder analysis and requirement gathering: ₦ 3,000.00
- Documentation and reporting: ₦ 2,000.00
- Total 10,000.00

2. Mobile App Development:

- UI/UX design: ₦ 6,000.00
- Front-end and back-end development: ₦ 12,000.00
- Integration of carbon emission quantification features: ₦ 4,000.00
- Educational resource integration: ₦ 3,000.00
- Total 25,000.00

3. Blockchain Integration:

- Cardano blockchain integration: ₦ 7,000.00
- Development of smart contracts: ₦ 7,000.00
- Security audits: ₦ 4,000.00
- Total 18,000.00

4. Incentive System and ADA Integration:

- Incentive system design: ₦ 3,000.00
- ADA rewards integration: ₦ 3,000.00
- Carbon credit redemption process: ₦ 2,000.00
- Total 8,000.00

5. Educational Resources and Social Engagement:

- Educational resource development: ₦ 2,000.00
- Social engagement feature implementation: ₦ 2,000.00
- User feedback mechanisms: ₦ 1,500.00
- Total 5,500.00

6. Testing and Quality Assurance:

- Testing plans and bug fixes: ₦ 2,000.00
- Performance optimization: ₦ 1,500.00
- Total 3,500.00



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- Marketing and promotional materials: ₩ 2,000.00
- Reporting back to the community: ₩ 1,000.00
- Total 5,000.00

Total Budget: ₩ 75,000.00

The above budget breakdown ensures that every element mentioned in the plan is accounted for within the total budget of ₩ 75,000.00 for the nine-month development schedule. It includes budget elements for project management, development, blockchain integration, incentive systems, educational resources, testing, deployment, marketing, and community engagement. The allocation of funds for each stage and resource is based on the requirements and timeline provided.

Please note that the budget breakdown is an estimation and can be adjusted as per the actual resource costs and specific project requirements. Regular budget monitoring and adjustment will be necessary to ensure the efficient utilization of funds throughout the project's development.

[RESOURCES & VALUE FOR MONEY] Who is in the project team and what are their roles?

Answer:

@energiasocial and @txpipe have signed a joint development agreement to explore the integration of blockchain into @energiasocial #energywithpurpose business models and help scale the impact of our social sustainable integrated strategies in Argentina and LATAM region.

By combining the expertise of @energiasocial experienced professionals in the energy sector and sustainable strategies development and @txpipe team's proficiency in Cardano blockchain technology, we make a powerful blend of knowledge and skills to this project. Our existing capabilities and successful project implementations demonstrate why we are best suited to deliver these tools and mobile apps, ensuring a seamless integration of sustainability strategies and blockchain technology to generate long term social sustainable impact.

<https://energiasocial.co/>

<https://twitter.com/energiasocialco>

<https://www.linkedin.com/company/energiasocial/>

<https://github.com/energiasocial>



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https://twitter.com/txpipe_tools
<https://github.com/txpipe>

[RESOURCES & VALUE FOR MONEY] How does the cost of the project represent value for money for the Cardano ecosystem?

Answer:

The cost of the project represents value for money for the Cardano ecosystem due to several factors. The costs mentioned in the budget breakdown have been determined based on industry standards and the specific requirements of the project. Here's how the costs are justified:

1. Project Management and Documentation: The cost allocated to project management and documentation ensures effective planning, coordination, and documentation of the project activities. This ensures smooth project execution, mitigates risks, and maintains transparency throughout the development process.
2. Development Costs: The costs associated with mobile app development, blockchain integration, and feature implementation are based on industry standards and the complexity of the tasks involved. These costs are determined considering the expertise and experience required to deliver a high-quality product.
3. Marketing and Promotion: Allocating a budget for marketing and promotional activities is essential to raise awareness and drive user adoption. The allocated amount considers various marketing channels, advertising costs, and community engagement efforts.
4. Resource Rates: The costs have been justified based on the average wage in the country or typical freelance rates in the industry. This ensures that the project budget aligns with the prevailing market rates, ensuring fair compensation for the expertise and effort required from the team.

To support the justification of costs, the project team can conduct market research and gather data on the average wages of professionals involved in the project, such as developers, designers, project managers, and marketers. This data can be compared to the allocated budget to demonstrate that the costs are proportional and reasonable within the industry's context.

Furthermore, the project team can provide evidence of the rates charged by freelancers or agencies in the industry for similar



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the project costs with the prevailing rates ensures a fair compensation structure and represents value for money in terms of the expertise and quality delivered.

By justifying the costs based on industry standards, market rates, and the specific requirements of the project, it can be demonstrated that the allocated budget is reasonable and provides value for money within the Cardano ecosystem.

[IMPORTANT NOTE] The Applicant agreed to Fund10 rules and also that data in the Submission Form and other data provided by the project team during the course of the project will be publicly available.

Answer:

I Accept

Añadir Ideas vinculadas

<https://energiasocial.co> ^

@energiasocial #usuariogenerator

We are a renewable energy social business. Bringing solar energy solutions for your home and business. Take control of your energy cost, become a #usergenerator. Join the network with purpose of @energiasocial



<https://ar.linkedin.com/company/energiasocial> ^

@EnergiaSocialAr | LinkedIn

@EnergiaSocialAr | 1,494 followers on LinkedIn. Una Empresa Social de Energía Renovable | 'Change comes from within the system'

Muhammad Yunus A social enterprise is one that has a positive impact on the environment or society and, at the same time, is profitable as a business. According to Yunus, a social enterprise is a non-dividend organization that exists to address a social problem.



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social mission of the company.



<https://txpipe.io/> ^

TxPipe.io

[TxPipe.io](https://txpipe.io)

Open-source software for a decentralized world.



<https://www.linkedin.com/company/txpipe/> ^

[TxPipe | LinkedIn](#)

TxPipe | 120 followers on LinkedIn. We believe that blockchain adoption can be accelerated by improving developer experience. | Open-source software for a decentralized world. We believe that blockchain adoption can be accelerated by improving developer experience. We develop blockchain tools, leveraging the open-source community and its methodologies.





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<https://github.com/txpipe> ^

GitHub

TxPipe

Open Source Blockchain Tools. TxPipe has 24 repositories available.
Follow their code on GitHub.

<https://twitter.com/energiasocialco> ^

X (formerly Twitter)

<https://github.com/energiasocial> ^

GitHub

[energiasocial - Overview](#)

From @EnergiaSocialAr & @VentusGlobal, a renewable energy social company is born with more than 3000MW installed and presence in 4 countries in LATAM. - energiasocial



< Submit proposals



< Finalize

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< **Moderation**

< **Governance**

< **Archive**

Votos netos o... 1 1

Comentarios El más reciente primero ▾

Thomas Wedler (@tomwedler) 1 07/14/2023 04:32 PM

Hi there!

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This is a standard welcome message from your Challenge Team.

We are excited that you decided to submit your idea under Developer Ecosystem “The Evolution”.

When finalizing your proposal, please bear in mind the perspective of Community Reviewer and Voter, who will be assessing your proposal not only on its own merit, but the specific brief and usefulness to the Cardano ecosystem over the short to medium term.

Beyond tools and infrastructure, we need to nurture a growing developer community with incentives for ambitious infrastructure projects.

If not all your project is open source (which is fine!) please try to explain the reasons.

Quantitative, measurable goals are better than qualitative ones or grand statements. How will you make the experience for other devs better and allow increasingly awesome stuff to be built on Cardano?

Please also feel free to join our “Developer Ecosystem” telegram community group here:

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You can ask the community or your Challenge Team for individual feedback, find collaborators and much more.

Good luck see you on the other side!

Cheers,

Developer Ecosystem - The Evolution - Challenge Team

<https://t.me/DeveloperEcosystem>



Developer Ecosystem

You can view and join @DeveloperEcosystem right away.



 0 0



Publique un comentario para iniciar una discusión. @menciona a alguien para que se involucre

- Enviar una notificación por correo electrónico sobre cualquier actividad relacionada con esta idea



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