Weekly Dev Meeting

The team discussed the development of a user interface for Malama Labs, focusing on metrics such as temperature, humidity, soil temperature, and carbon credits. They emphasized the need for educational tools within the interface to help users understand the data. The conversation also covered the acquisition of a $15,000 biochar machine from Waste X, which would help them start producing biochar and learning the process. They debated the merits of this machine versus a more scientific model, considering the potential for faster learning and market attractiveness. The team agreed on the importance of addressing Maui's green waste problem with biochar machines.

Transcript

https://otter.ai/u/iKebUxoduc9yYuZfzsnnqZTJ590?view=transcript

Action Items

- [x] @Dominick Garey - ~~Explore the possibility of purchasing the $15,000 biochar machine from Single Point to kickstart the learning and testing process.~~
- [x] @Dominick Garey - ~~Investigate the potential for modifying or reverse-engineering the $15,000 biochar machine to add additional sensors and customizations.~~
- [x] @Jeffrey Wise - ~~Obtain the LCA (Life Cycle Assessment) information for the $15,000 biochar machine to understand its efficiency and impact on carbon credit generation.~~
- [x] ~~Determine the specific user interface and screens needed to effectively display the desired metrics and information.~~
- [x] ~~Identify the key data points and metrics that need to be tracked and presented, working backwards from the desired outcomes and user needs.~~

Outline

Interface and Metrics Discussion

- Speaker 1 introduces the focus on the interface and mentions Alpine's work on the website.
- Speaker 1 expresses jealousy over the Malama Labs website and invites Alpine to discuss his work.
- Speaker 1 outlines the necessary metrics for the interface, including sensor readings and various environmental metrics.
- Speaker 2 agrees with the need for comprehensive metrics and mentions the importance of displaying useful information.

Metrics and Display Considerations

- Speaker 1 emphasizes the need for metrics like temperature, humidity, soil temperature, and carbon credits.

- Speaker 2 suggests starting with the metrics to be displayed and then determining what needs to be tracked.
- Speaker 1 discusses the importance of educational tools within the interface to explain metrics.
- Speaker 1 and Speaker 2 agree on the need for a template that displays usable information and educational content.

User Interface and Educational Tools

- Speaker 1 describes the vision for the interface, including educational elements and usable information.
- Speaker 1 suggests using tiles to organize information and provide educational content.
- Speaker 2 questions the number of screens and UIs needed, emphasizing the importance of user experience.
- Speaker 1 and Speaker 2 discuss the need for a home screen and user screen to display relevant information.

Focus on Biochar and Sensor Data

- Speaker 3 emphasizes the importance of focusing on biochar and the creation of biochar MRV.
- Speaker 3 suggests that the interface should be centered around feedstock, biochar creation, and sensor data.
- Speaker 1 discusses the need to button up the sensor route and its importance in MRV creation.
- Speaker 2 and Speaker 1 agree on the need for a user-friendly interface that educates users about the app's capabilities.

Decision-Making and Stakeholder Input

- Speaker 3 raises the need to determine what information to show in different flows and moments of the user experience.
- Speaker 2 suggests starting with the desired outcome and working backwards to determine the necessary information.
- Speaker 3 and Speaker 1 discuss the importance of stakeholder input and the current focus on biochar.
- Speaker 1 emphasizes the need for a gateway to MRV creation and the importance of user education.

Biochar Machine Acquisition

- Speaker 3 and Jeffrey Wise discuss the acquisition of a biochar machine and the potential benefits.
- Speaker 1 suggests buying a $15,000 biochar machine to start the process and gain expertise quickly.
- Jeffrey Wise agrees with the idea but mentions the need to wait for an LCA from Paul.
- Speaker 1 and Jeffrey Wise discuss the potential for using the machine to address the green waste problem in Maui.

LCA and Machine Certification

- Speaker 1 and Jeffrey Wise discuss the importance of the LCA for the biochar machine and its impact on carbon credits.
- Speaker 1 suggests that the LCA will help determine the number of carbon credits generated.
- Jeffrey Wise mentions the need to get an LCA from the $15,000 machine to make an informed decision.
- Speaker 1 and Jeffrey Wise agree on the importance of getting both the $15,000 and the scientific biochar machines.

Content Generation and Marketing

- Speaker 5 suggests that the acquisition of the biochar machine will generate content for marketing.
- Jeffrey Wise and Speaker 1 discuss the potential for creating an AI interface to streamline the biochar process.
- Speaker 1 emphasizes the importance of using resources efficiently and starting the process quickly.
- Jeffrey Wise and Speaker 1 agree on the need for training wheels to learn the biochar process before investing in a scientific model.

Green Waste Problem and Market Opportunity

- Speaker 1 highlights the green waste problem in Maui and the potential for using biochar machines to address it.
- Jeffrey Wise mentions reaching out to an arborist on Oahu who is interested in biochar for managing the coconut rhinoceros beetle.
- Speaker 1 suggests offering to take green waste from Maui to test the biochar machine and generate revenue.
- Jeffrey Wise and Speaker 1 agree on the importance of addressing the green waste problem to fund the biochar project.

Final Decision and Next Steps

- Speaker 2 emphasizes the need for a decision-making process and support to move forward with the biochar machine acquisition.
- Speaker 1 suggests taking a vote in the founders meeting to make a final decision.
- Jeffrey Wise and Speaker 1 agree on the importance of getting both the $15,000 and the scientific biochar machines.
- Speaker 1 and Jeffrey Wise discuss the potential for using the biochar machine to fast-track MRV development and reporting.