Project Status report

Name:	Bhargav Taraviya, TrupalKumar Ukani
Community & UN SDG(s):	- SDG 15: Life on Land - Combat deforestation and protect terrestrial ecosystems. - SDG 13: Climate Action
MVP #	1
Sprint cycle dates:	

Project Name	Deforestation Data Platform
Blurb	The Deforestation Data Platform is an interactive Power BI dashboard that visualizes global deforestation trends using publicly available datasets. The platform provides users with real-time insights into deforestation patterns, regional comparisons, and deforestation drivers. The goal is to make deforestation data accessible, understandable, and actionable for policymakers, researchers, and students. The project aligns with UN SDG 15, focusing on sustainable forest management and conservation efforts.
For Week Ending	24th Feb 2025
Project Status	Yellow
Status Description	Complete: Data for page 1 and 2Report Design, Navigation, Trend page In Progress: Introduction Page Planning: Next pages

Activities—During the past sprint cycle

Trupal:
- Data collection and preprocessing from different sources.
- Refinement of data cleaning and visualization techniques.

Bhargav:
- PowerBI Report Design, visuals for different pages
- Implementation of interactive filters for year-wise and region-wise analysis.
- Integration of deforestation drivers (agriculture, urbanization, mining, etc.) into reports.

Project Issues

- Data inconsistencies in some datasets requiring additional cleaning.
- Challenges with ArcGIS map , as it takes more time for Load.
- Need for more validation metrics to ensure data accuracy.

Project Changes

There is no change.

Activities—Planned for Next Week

- Edit introduction page and complete it
- Further optimization of Power BI performance for large datasets.
- Do more research and gather more data for next page
- Testing dashboard responsiveness across different devices.
- Finalizing the academic paper draft based on research findings.

Reflection

- Yes, we feel we are on track.

What progress do you particularly feel good about?

- Most achievable work is finding the reliable data and successfully integrating datasets into Power BI.

What barriers (if any) do you feel is/are a current impediment to success?

- Handling large datasets efficiently in Power BI.
- Ensuring data accuracy and validation.
- find the appropriate data for next page

What questions or concerns do you have (if any)?

- How can we improve the dashboard's usability for different audience groups?