



# **Drafting an emerging picture**

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Community & UN SDG(s): SDG 15: Life on Land – Protecting forests and biodiversity.

Sustainable Development Goals

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#### Instructions:

Using your researched information fill out the flowing comparing the current state of the art with what you think new (software) innovations could bring to the community

## **Covering the orientations**

Compare the left-hand column of the document "Technology configuration inventory" table with the right-hand column of the document "Community characteristics & orientation" table. What do you notice about the match (or mismatch) between your dominant community orientations and the current configuration of tools?

How well does the technology			
inventory cover the			
orientations? What themes			
emerged from both the			
community orientations and			
•			
the technology configuration			
from your colleagues' notes			

- Match/Mismatch Between Community Orientations & Technology Configuration
- The technology inventory aligns well with the need for data visualization and reporting but lacks automated data collection.

# ☐ Are you almost there?

□ Are there big gaps?

- Data must be manually updated, increasing the risk of outdated information.
- No real-time data pipelines—Power BI reports rely on static or manually updated sources.
- Limited interactive learning tools for students and industry professionals.

# What is the range of skills? If their interests and/or skills are diverse, could it cause conflict or distraction?

- **User Groups:** High school/college students, researchers, industry professionals, general public.
- **Skill Levels:** Vary widely from basic (students) to advanced (data analysts, researchers, policymakers).

### **Potential Conflicts:**

- Some users may struggle with Power BI's advanced features.
- The dashboard should balance complexity and simplicity, offering both basic and detailed views.

#### **Achieving integration**

# Look at all the pieces of your configuration

# What level of integration and interoperability has been achieved?

- Power BI effectively visualizes deforestation data.
- Manual data entry is a major limitation—no direct API integrations.





"Negilia	α	APPLIED SCIENCE	
upload datasets. - No built-in collab externally.		nata collection—users must manually gather, clean, and coration tools—feedback and discussions must happen nowledge-sharing feature for students and researchers.	
Balancing the polarities (Current state)			
How is the configuration balanced with respect to each polarity?			
Synchronous >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		<<<<<< Asynchronous	
Synchronous tools?		Asynchronous tools?	
<ul> <li>None (No real-time discussion or collaboration tools integrated)</li> </ul>		<ul> <li>Power BI dashboards, Google Drive for document sharing</li> </ul>	
Participation >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		<<<<<<< Reification	
Participation tools?		Reification tools?	
<ul> <li>None (No live Q&amp;A, discussion boards, or collaboration tools)</li> </ul>		- Structured Power BI dashboards, reports	
Group >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		<<<<<<<< d>Individual	
Group tools?		Individual tools?	
<ul> <li>Shared access to Power BI dashboards via shareable links</li> </ul>		<ul> <li>None (No personalized views or user-specific dashboards)</li> </ul>	
How well does this balance fit your community?	The platform is heavily focused on structured reports and data visualization but lacks real-time collaboration, participation tools, and personalized user experiences.		
Solution seeking			
In the new configuration, do you want your choice of tools to affect the polarities of your community in ways that differ from the current configuration? Which way?			
Synchronous >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		<<<<<< Asynchronous	
New synchronous tools?		New asynchronous tools?	
<ul> <li>Introduce live Q&amp;A forums, expert commentary, or integration with external communication tools (Teams, or forums).</li> </ul>		<ul> <li>Maintain Power BI reports but explore scheduled update reminders or easy-to-upload data templates.</li> </ul>	

... New participation tools? ... New reification tools? Add collaborative note-taking, discussion forums, Keep structured dashboards but introduce or expert feedback features. annotated reports with expert insights. 





# ... New group tools?

- Enable shared workspaces for researchers and students to work together.

...New individual tools?

 Allow user-customized dashboard views for different experience levels (students vs. professionals).

### **MVP** notes

**Primary focus:** Deliver a functional Power BI dashboard with clear, manually updated deforestation data visualizations.

### **Essential features:**

- Multi-page Power BI dashboard showing deforestation trends.
- Manually updated data sources that users can replace with the latest datasets.
- Interactive filters for different audiences (students, researchers, industry).

#### **Future Enhancements:**

- Introduce collaborative tools (forums, expert commentary, and user discussions) to improve engagement.