



Technology configuration inventory

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Community & UN SDG(s): **SDG 15:** Life on Land – Protecting forests and biodiversity.
SDG 13: Climate Action

Date: 02/06/2025

Instructions

It is useful to inventory the current technology configuration of the community, i.e., the current technology that the people working, learning, advancing knowledge (etc.) in the specific area you are engineering software for are using, as a way to understand the community better and what matters to them better. If yours is a new community, it may not have any specific technology yet, but even for brand new communities, the current configuration may not be empty, for instance if general tools like email or phone are going to be used. You can use a version of the table on the next page to inventory and analyze the current configuration of your community:

1. Get the big picture. Research the area and make a list of all the platforms and stand-alone tools in your community's configuration as best you can
2. For each platform, list the tools and check the ones that are being used. Why are some not being used? Are there duplicates? Are there issues around integration between tools?
3. To the left, make a note of which community activities/orientations the tools currently support in your community
4. To the right, identify the key features of tools. Are some of these features commonly or rarely used? What are the reasons for that?
5. Assess actual tool use if you can. Identify which are dominant and which are only used by smaller groups and individuals.

NOTE: Add new rows as needed below. Please know your search should be as exhaustive as possible given the area you are researching

| Platform | Platform type or name | | |
|--|---------------------------------|--|--|
| Supported activities | Tools | Key features | Usage notes |
| Power BI , Data Transform and Visualization | Power BI(Power Query, Dax, KPI) | Interactive dashboards, data modeling, cloud-based sharing | Main platform for visualizing deforestation data |

| Stand-alone tool | Tool type or name | | |
|--|-------------------|--|--|
| Supported activities | Tool | Key features | Usage notes |
| Data analysis, processing deforestation datasets | DAX, Power Query | Data cleaning, statistical analysis, visualization | Used for preprocessing raw data before visualization |



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|--|---------------------------|-------------------------------------|---|
| Cloud storage, document sharing, team collaboration | Google Docs, Google Drive | File storage, access control | Repository for datasets and project files |
| Spreadsheet management, data organization, initial data formatting | Microsoft Excel | Data tables, pivot tables, charting | Used for collecting, cleaning, structuring, and exporting datasets for Power BI |