Technology configuration inventory

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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

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