



## ENSE 405

### Activity #3: Technology configuration inventory

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Community (UN SD goal): #13

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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

Current state:

Stand-alone tool	Tool type or name		
Supported activities	Tool	Key features	Usage notes
Analytics	chart	Chart, show carbon budget	Users can see their carbon usage. This included monthly budget, carbon emissions arb

Stand-alone tool	Tool type or name		
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Supported activities	Tool	Key features	Usage notes
Monthly Budget	slider	User can slide back-and forth to adjust their monthly budget	The user sets monthly emission budget (Car, Plane, food, etc.)

Stand-alone tool	Tool type or name		
Supported activities	Tool	Key features	Usage notes
Sustainable guide	links	Provides accessibility for external resources	The user clicks various links to find resources for reducing carbon footprint

Seeking solution of mine:

Platform	chat		
Supported activities	Tools	Key features	Usage notes
Chat	-Used For sharing documents and links as well as communication -user profiles	Notification Real-time chat -create group chat -share links/documents	Users can send messages, share content and make group chat

Platform	Sustainable guide		
Supported activities	Tools	Key features	Usage notes
Sustainable guide	Used For sharing documents in pdf format and links.	Viewing documents	The user clicks various links to find resources for reducing carbon footprint in the form of pdf

Stand-alone tool	location		
Supported activities	Tool	Key features	Usage notes



Location	Location service	Display users on map, Show route navigations	User can interact with active users that are shown on the map. They can send message, request to share ride, offer ride, etc.,
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Stand-alone tool	Questionnaires		
Supported activities	Tool	Key features	Usage notes
questionnaires	Questionnaire	Determine user's carbon usage	The user answer questions and the results obtained can be used to provide personalized tips on how to reduce their carbon footprint and use resources more efficiently