



## ENSE 405

### Activity #2: Community characteristics & orientation

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Community (UN SD goal): #13 climate change  
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#### Instructions

Research the community you are most interested in exploring using links from the UN Sustainable Goals website (<https://www.un.org/sustainabledevelopment/>) and others. In your exhaustive research, answer the following.

Community characteristics		
Community life-cycle (current state)		
Where is your community in its life-cycle?	What you need to focus on:	Special needs
<input type="checkbox"/> <b>Just forming</b> Need basic tools to connect, but not sure from there	Research and/or discuss the potential of some basic tools with members, explore what ideas it might give them, and see what they might bring in with them.	
<input type="checkbox"/> <b>Self-designing</b> Information stage, but with a strong sense of what it wants to accomplish	Contribute ideas to the design. Analyze systematically the implications of their community design for technology, infrastructure, and technology skills.	I looked at this app NM.earth on app store and it inspired me to design and develop my own tool embracing design idea from NM.earth but also integrating new things along the way to help community.
<input type="checkbox"/> <b>Growing &amp; restless</b> Ready to add new functionality to its tool configuration	Try to make this a community reflection and self-design event. Does their restlessness suggest a major change, such as a transition to a new platform?	
<input type="checkbox"/> <b>Stable and adapting</b> Just needing some new tools	How much disruption will the community tolerate? How will the new tools be integrated into or affect existing practices?	
Constitution		
Diversity: How diverse is the community?		
Topic	Your notes	



What are the different types of members and what are their levels of participation?	<p>Highschool students -</p> <p>Post-secondary students -</p> <p>Adults (teachers, parents, etc.)</p> <p>Note:</p> <p>High schoolers and post-secondary groups are most active group. This allows me to target those groups and spread awareness amongst them.</p>
How spread apart is it in terms of location and time zones?	Right now, mostly will be local area but will aim for global attraction once the local community has been impacted.
What language(s) do members speak?	The target members are diverse and different languages, however main communication language will be English.
What other cultural or other diversity aspects may affect your technology choices?	language barrier. Community must understand how to use the app properly. Design friendly interface that is easy to follow.

**Openness:** How connected to the outside world is your community?

Topic		Your notes
How much do you want to control the boundaries of your community? Does your community need	<input type="checkbox"/> To be private/secure <input type="checkbox"/> Open boundaries <input type="checkbox"/> 👍 Both private & public spaces	I want the app to be both private and public space. As this app gets the user's location if he/she wants to offer car pool, the user can turn on/off his location.
How does your community need to interact with other communities? Do you need common tools for sharing and learning with them?		I will integrate chat capabilities into the app. This allows the communicate to interact with each through secure chat system. This will be a common tool where Community can make plans.

**Technology aspirations**

**Technology savvy, tolerance, & constraints:** What are your community's technology interests and skills and patience thereof? What are the constraints imposed by technology factors?

Topic	Your notes
How interested is your community in technology?	Good simple user-interface. Easy to follow and interact with app.
What is their capacity for learning new tools?	low threshold, high ceiling. This allows for newer member to learn and interact with the app easily and those who are more advance will have good capacity to learn and use the app.
What is the range of skills? If their interests and/or skills are diverse, could it cause conflict or distraction?	Want to minimize conflict/ distraction and try to make the app user-friendly so that community can spread awareness through the app and share the app with others.



How tolerant are members of the adoption of a wide variety of tools?	Very tolerant as this is for Community based app. This app will allow people to come together and be a changing society.
How many technological boundaries are they willing to cross, e.g. sign in to more than one web-based tool, learn to use new tools, or give up old favorites? This helps you understand what level of integration you need.	It should not be problem integration between different devices. The user data is stored in database. So, users would need to authenticated once per device. If the user is already signed in with a device then they use the app.
What are your members' technology constraints (e.g., bandwidth, operating systems, etc.)?	Security and privacy. The system needs to verify the users.
How much time are members able to be online and from where (office, home, field)? Some people have limited online time, or are able to be online only in specific locations. Others are always on. Very diverse situations can affect participation	Member will be online as long as they want. Some user wants to turn their location on, so others nearby can see them on map and interact if they want to carpool. Others whose location is off, can still be online and spread awareness, learn about climate changed, etc.

## Community orientation

**Relevance to community:** Use the range from 0 (no relevance) to 5 (high relevance) to determine what matters most to the community. Look at these from the perspectives of the different types of members (under "constitution"). Also discuss the "value-added" to each member group

0	1	2	3	4	5	Orientations	Variants	Key activities/your notes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Meetings (4)</b> Many communities place a great emphasis on regular meetings where members engage in shared activities for a specific time. Meetings, and the visible participation of members, assert the community's existence	<input type="checkbox"/> Face-to-face/blended 👍 <input type="checkbox"/> Online synchronous <input type="checkbox"/> Online asynchronous	Communities can organize events when things are back to normal.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Open-ended conversation (4)</b> Some communities maintain ongoing conversations as their primary vehicles for learning. Open-ended conversations are common when a community is co-located and people keep the	<input type="checkbox"/> Single-stream discussions <input type="checkbox"/> Multi-topic conversations <input type="checkbox"/> Distributed conversations	Communities can chat and talk about climate changes as they ride together on the same car or meet at a climate change event



						conversation going as they “bump” into each other.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Projects (4)</b> In some communities’ members want to focus on particular topics, go deep, and collaborate on projects to solve problems or produce useful artifacts. Learning is not just a matter of sharing knowledge or discussing issues. Members need to do things together in order to develop their practice. Projects usually involve a subgroup within the community	<input type="checkbox"/> Practice groups <input type="checkbox"/> Project teams 👍 <input type="checkbox"/> Instruction	As mention above, communities can organize event within their local communities and spread awareness to people who are not aware of climate change.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Content (4)</b> Some communities are primarily interested in creating, sharing, and providing access to documents, tools, and other content. Valuable and well-organized content is a useful resource for members	<input type="checkbox"/> Library <input type="checkbox"/> Structured self-publish 👍 <input type="checkbox"/> Open self-publish <input type="checkbox"/> Content integration	As the app will be used to educate and spread awareness, it would be useful to provide useful information that user can access and share with others
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Access to expertise (3)</b> Some communities create value by providing focused and timely access to expertise in the community’s domain, whether internally or externally. Communities with this orientation focus on answering questions, fulfilling requests for advice, or engaging in collaborative, just-in-time problem solving	<input type="checkbox"/> Questions & requests 👍 <input type="checkbox"/> Access to experts 👍 <input type="checkbox"/> Shared problem solving 👍 <input type="checkbox"/> Knowledge validation <input type="checkbox"/> Apprenticeship & mentoring	If the user of the app has any questions regarding about climate change then I can link with experts who can help community through UN Sustainable website. Or ask the user to submit a form with a question and provide this information to an expert who can then reply to the user’s email.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Relationships (4)</b> Some communities focus on relationship building among members as the basis for both ongoing learning and being available to each other. This orientation emphasizes the interpersonal aspect of learning together. Communities with this orientation place a high value on knowing each other personally, emphasizing networking, trust building, and mutual discovery	<input type="checkbox"/> Connecting 👍 <input type="checkbox"/> Knowing about people 👍 <input type="checkbox"/> Interacting informally 👍	This app allows to connect multiple people who have a common interest? Communities can interact with each other, this could be Neighbours sharing a ride, students going to school together or gathering an event and connecting people together locally and/or globally.



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Individual participation (5)</b> Learning together happens in the context of a group, but it is realized in the experience of individuals. People bring different backgrounds, communication styles, and aspirations to their participation in a community. People have different levels of commitment, they take on different roles, and they use tools differently	<input type="checkbox"/> Levels of participation  <input type="checkbox"/> Personalization <input type="checkbox"/> Individual development <input type="checkbox"/> Multi-membership	Highly relevance because educating and spreading awareness starts within the person's home. If the individual can monitor their daily usage, knows about the risk of climate change, knows about what would happen if we neglect climate change, this individual can spread awareness and educate those people around him. It all starts with individual homes then impact society.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Community cultivation (4)</b> Some communities are happy with loose self-organization and unplanned evolution, while others thrive on attention to community cultivation. They have a need to reflect on the effectiveness and health of the community to make things better, joined with a willingness to work on it	<input type="checkbox"/> Democratic governance <input type="checkbox"/> Strong core group <input type="checkbox"/> Internal coordination <input type="checkbox"/> External facilitation	-The app should be flexible for changes and be able to integrate with changes. -Be able to design and develop software app where community thrive and help each other spread education and awareness. This works effectively when community are delighted with tool, they are using day-to-day. -
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Service context (4)</b> In some cases, serving a specific context becomes central to the community's identity and the ways it operates. They may live inside an organization, whose charter their practice needs to serve. They may have a mission to provide learning resources to the world or to recruit members widely. Or they may seek interactions with other communities whose domain complements their own	<input type="checkbox"/> Organization as context <input type="checkbox"/> Cross-organizational <input type="checkbox"/> Other related communities <input type="checkbox"/> Public mission	Important to keep in mind while designing application in this term because my goal for this project is to provide resource and knowledge to the community and ways, they can reduce their carbon footprint.

### Scratchpad (other interesting insights, questions/answers, etc.)

The end goal of this project is to provide a software tool that allows community to come together and take action about climate change. Also, giving them the ability to track their carbon emissions and to spread awareness within the Community.



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