**Drafting an emerging picture**

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| Community (UN SD goal): | Goal 6 - Clean Water and Sanitation  Goal 3 - Good Health and Well being  Goal 11 - Sustainable Cities and Communities  Goal 17 - Partnerships for the goals |
| Date: | 17 – May 2021 |

**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

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| **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 | The technology inventory has covered the community orientation as they would require to know if the water pump is operational r not also thy want a common platform were they can discuss the water crisis within their communities. | |
| Are you almost there?  Are there big gaps? | I was able to put big pieces for my idea and now have t find ways to tweak the idea with minor changes as I progress with technology inventory implementation | |
| What is the range of skills? If their interests and/or skills are diverse, could it cause conflict or distraction? | There is no skill barriers o overcome as I am planning to create a simple user-friendly UI which can be used by community members with minimal knowledge. | |
| **Achieving integration** | | |
| Look at all the pieces of your configuration | | |
| What level of integration and interoperability has been achieved? | As there are tools designed to create specific tasks and tools with similar technology are paired to form a platform. The configuration will have two platforms each operating independently with water pump ID at their uniquely identifying the pump. | |
| Where are there big gaps | The gap might be identifying both platform as a single digital habitat by the user but this can be easily overcome as the project progress and both platforms can be integrated using the same piece of technology for better user experience. | |
| **Balancing the polarities (Current state)** | | |
| How is the configuration balanced with respect to each polarity? | | |
| **Synchronous** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …Synchronous tools?  In person community gathering. No tools available | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Asynchronous**  …Asynchronous tools?  Few NGO provides point of contact through websites like  https://water.org/our-impact/where-we-work/tanzania/ |
| **Participation** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …Participation tools?  No dedicated space available only through social media platform like Facebook, etc  https://www.facebook.com/mecetz/videos/demand-for-water-and-sanitation-in-developing-countries-like-tanzania-is-very-hi/488561728378398/ | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Reification**  …Reification tools?  No tools available |
| **Group** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …Group tools?  Community activities without any outside help | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Individual**  …Individual tools?  No tools available |
| How well does this balance fit your community? |  | |
| **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** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …New synchronous tools?  discussion on active thread | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Asynchronous**  …New asynchronous tools?  Chat forum to discuss the water crisis |
| **Participation** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …New participation tools?  Various forms of participations like community leaders can use prediction tool to see if the water pump is functional or not  Lurkers can follow development in the community to solve water problems. | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Reification**  …New reification tools?  Platform will provide means to provide a space to discuss water crisis with the community and place where people can raise their voice for a change. |
| **Group** >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>  …New group tools?  Chat forum on pump threads | | <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< **Individual**  …New individual tools?  Chat on water pump concreted with local community |
| **MVP notes** | | |
| My MVP will comprise of the  1] Water pump monitor and predictor platform  2] Discussion forum | | |