Week 7 **Responsible Innovation Project audit**

Workshop Activity

Before and during the teaching break you collected information required for your Responsible Innovation Project. This information may have been sourced from document reviews, public surveys, or via other methods. If appropriate, you should aim to display the data in tables, charts, histograms, etc. Next, interpret and make meaning from your data using the following prompts. Then, iterate project information based on new insights.

1. **Clarifying new insights using DT tools** *(Take 15 mins for this task)*
   New insights lead to new understanding. One method of clarifying new insights is to revisit the DT tools again. Depending on the nature of your project, these DT tools may include, but is not limited to:
   a. Project Client Map #7 & #9
   b. Value Proposition Canvas
   Since week 6, what new insights has your team gained? Identify which DT tools you think will help you to visualise and make sense of your data? Use those tools to clarify these insights.

2. **Making sense of your data** *(Take 30 mins for this task)*
   Summarise your qualitative and quantitative results briefly using OSEM. Include key facts, concepts or theories from your background research to help explain the results as needed.
   O = Obvious; S = Specify; E = Evidence; M = Meaning

   If you do not have your own survey data, you can choose to use the same steps to analyse a piece of data from your literature review.

3. **Iterating the project scope** *(Take 15 mins for this task)*
   Iterate the elements in this table (from your project proposal) based on insights from your data.
   Note: this table was designed for a client-facing project. As your project is different, you may find the items with * less relevant.

Element	Detail
Project title	Digital Earth Africa with South Africa Food Security
POV	The South African government needs to ensure food security and agriculture development on the basis of maintaining socio-ecological sustainable development because they lack the ability to scientifically and systematically make analysis and decisions.

*Outcome	To help the government solve the South African food security issues with innovative techniques.
*Output	The analyzing report or plans for utilizing innovative techniques like Digital Earth Africa in food security issues.
*Quality Criteria	Trying to meet the social-environmentally sustainable development for Africa while solving food security issues with innovative techniques.
*Client(s)	the South African Government

4. **Redefining project requirements** *(Take 30 mins for this task or Skip this part if irrelevant)*

In IT and Engineering projects, requirements are documented as they are gathered. In such projects, a project audit may include checking whether the list of requirements documented are up to date and accurate. If you included a requirements table in your project proposal, review it base on your insights from the data acquired, and complete the following:

Project requirements have been sourced from **<add details>**. Project requirements identified to date are detailed below. *[Adjust the rows and columns and text below to reflect requirements identified for your project challenge.]*

Requirement category	Sub-cat	Req ID	Requirement	Owner	Priority
User requirement	UR-1	1.0.1	Improve productivity	government farmers citizens	High
User requirement	UR-1	1.0.2	Considering sustainable development	government	High
Technical requirement	TR-1	1.0.1	Data promptness and accuracy in techniques	Digital Earth Africa	High
Technical requirement	TR-1	1.0.2	Data security	Digital Earth Africa	Low

Legal requirement	LR-1	1.0.1	There needs to be access laws and policies for the utilization of techniques	government Digital Earth Africa	Medium
Other…standards, regulations, etc.	OR-1	1.0.1	Data standards	Digital Earth Africa	Low

5. Evaluating the research design *(Take 20 mins for this task)*
Evaluate the research design and data collection procedure, making comments about the effectiveness. Suggest changes in the procedure and/or possibilities for further work.

Criterion	Notes
1. What was effective about your research design?	Stakeholder analysis KWHL chart
2. What changes to the research design would you suggest to your client?	utilizing Digital Earth Africa to adapt to local conditions, making scientific decisions
3. What were the ethical considerations in your research design?	Privacy
4. Could you have collected data in a more efficient way to aid and support analysis?	We have collected data from different aspects. We have used sandbox in Digital Earth Africa for similar cases' data usage.
5. Did you function effectively as a team? How do you know?	Yes! Each member has full communication with each other and builds a good relationship.

6. Status of deliverables
What is the current status of your project and how does it compare to the project schedule presented in the Project Overview Document?

What is the current status of your project deliverables (add more rows to the table below if required)?

Deliverables	Current Status	Notes
1. An executable plan for utilizing techniques in solving food security	Integrating	
2. Analyzing result for the benefit of utilizing those techniques	Under review	

3.		

7. Evaluating the project team using feedback from facilitator (*and mentor)

Criterion	Notes
4. What did you learn from feedback?	
5. What will your team change based on feedback?	
6. How will you make these changes? What is the timeframe for the changes?	