# **Meeting Agenda**

**Facilitator:** Cristian

**Minute Taker: Neha**

**Attendees:** Arnd, Asima (web-conference), Barikisa, Cristian, Neha, Sukanya

**Objective: Clarify the consensus process and decide (at a general level) the process steps and stakeholders**

**Date:** 15.05.2019

**Conference Call Number:**  <https://meet.lrz.de/fit4ghana>

## **Purpose of the Meeting [5 min]**

* **Clarify the consensus process and decide (at a general level) the process steps and stakeholders**
* Get to know Barikisa and introduce our project to her

## **Desired Outcome [2 min]**

* The general process steps for consensus are clear

## **Information Sharing [4 min per attendant]**

Barikisa introduce herself.

* Master Thesis: Effects of land conflicts on peri-urban towns in Ghana (Trede)

Why Trede ?

1. Trede is a Peri-urban region. These are the regions transforming from rural to urban
2. The land conflicts prevent Urbanization. Hence, Trede is a good pilot region for research to prototype an application on Blockchain to prevent land conflicts.

Population and Area of Trede: Around 6000 and 1200 acres respectively. The people in Trede are involved in a mixed form of activities like farming, office etc.

Arnd

* **Research on process of Stakeholder analysis**

1. Define stakeholders

* Government
* Tribes - Represented by chiefs
* Families
* Land grabber (??)
* *Are there any other stakeholder?*

2. Define stakeholder's roles

* Government:
* Store / collect information on land ownership
* Supervising land trades
* define boarders
* *Missing / wrong roles?*
* Tribes - Represented by chiefs
* Administer land
* Distribute land to tribe's members
* *Missing / wrong roles?*
* Families:
* similar to Tribes?
* *Missing / wrong roles?*

3. Define stakeholder's goals

* Government:
* No corruption
* no bureaucracy
* *Missing / wrong goals?*
* Tribes:
* Ensure that their land is surely in their ownership
* *Missing / wrong goals?*
* Families
* same as tribes

4. Define dependencies

* Government - Tribes+Families: Need to accept the given boarders
* Tribes + Families - Government: Need to get clear boarders
* Tribes - Tribes: Need to accept each other boarders
* *Missing other dependencies?*

Asima

* World Bank Land Administration Project in Ghana -<http://projects.worldbank.org/P120636/land-administration-project-2?lang=en>
* CLS -<https://www.oicrf.org/documents/40950/43224/04-13-Mahama-773_paper.pdf/196d8fcf-cbd1-7c28-f91d-6ef08361402e><https://www.researchgate.net/publication/323916058_Responsible_land_management_the_basis_for_evaluating_customary_land_management_in_Dormaa_Ahenkro_in_Ghana>
* Land Comission
* Land Management in Honduras using Blockchain

Neha

* Challenges faced in Uganda regarding land conflicts (Ownership and transfer)
* Data obtained on the most recurrent problems, number of people affected, causes, impacts, outcomes and finally the possible solutions to prevent land conflict (This might be mostly similar to the problems in Uganda)
* Using Blockchain technology to store the land ownership and transfer data in a tamper free form.
* How a Blockchain can be used to store both the ownership and transfer data after the conflict resolution. (The process of conflict resolution is yet to be decided)

Sukanya

* **Land Conflicts**
* Types of Land Conflicts
* Causes of Land Conflicts
* Resolving Land Conflicts
* Non-spatial attributes & Spatial attributes
* Risks of resolving land conflicts without understanding their components (history, present & future)
* **Blockchain for Land Administration**
* Benefits of using Blockchain for Land Administration
* Automated notifications of ownership changes
* Transparency in transactions around the change of ownership
* Avoid physical archives
* Flexibility & Resilience
* Security
* Existing Case Studies

Cristian

* Guideline for creating a stakeholder dependency map:<https://docs.google.com/document/d/1iRj_l6Vkf1iN4aG2p_dnpahM6yCbOusyFodhJx_-Xto/edit?usp=sharing>
* CLR in Peri-Urban areas (Barikisa's Master Thesis):<https://docs.google.com/document/d/1tmJTmchYe_ppg5lfowkgPbg47QPyJjKSqLWEcHk2Oyk/edit?usp=sharing>

## **Discussion [ 40 min - ∞ ]**

* The chiefs are mainly deciding upon tenure rights. It has been said that, a democratic vote inside communities might cause even more disputes. How to prevent chiefs from selling their lands / land rights, if the community can't be involved into the voting process?
* Solving disputes: what are the main takeaways from your Study? How to process conflict?
* Validate / Extend Arnd's Stakeholder Analysis from above
* At the end: Discuss alternatives to bit.ai and migrate to the new tool;
* [RULE 1] Team should choose the tools they like at most ("Accelerate", Nicole Forsgren);

About the Hierarchy structure of Trede:

1. There is one main chief and many sub-chiefs. (One sub-chief for one role ex. Finance, Ministry etc)
2. The main chief is again under the chief of Ashanti region of Ghana who is the head of all the chiefs.
3. The chiefs are the main care takers of the land.
4. The land is owned by families. Each family has a family head. If a person is born in that region, he gets a piece of land by default. If that person exhausts that piece of land by selling it., he will not be given any land unless he explicitly buys it.
5. Every person of the family before selling the land that his family owns should contact the family head who should in turn contact the chief.
6. Every sale of the land will lead to a commission of a certain % of the money earned to be given to the chief as he is considered to be the care-taker.

Types of disputes which can be resolved:

1. Inter-family disputes: Two family members selling the same piece of land to two different buyers.
2. Disputes between Family head and chief: Family head and the chief selling the same piece of land to two different buyers.
3. Boundary disputes between families.

Already existing processes:

1. Land commission: There is a land commission in place under the chief of Trede to define boundaries and create plots. This data can be used by us to get the details of boundaries.
2. CLS: The CLS is another system which is supervised by the chief of Ashanti. This has the data regarding land rights and land transactions in paper form/digital centralised form(To be researched on).

## **Wrap Up [5 min]**

What we talked about?

Meeting with Prof. de Vries on Monday, 20th May from 10:00 - 11:30 (Arcisstr. 21).

## **New Tasks [5 min]**

Describe the Identified Stakeholders and their goals, power and dependencies;

Describe how Stakeholders sum up to roles;

Create a Stakeholder dependency network;

Think about how to incentivize Stakeholders to use the system (coins, advantages...);

Create a first version of the process based on the Identified Stakeholders and their dependencies:

Phases of the Process:

1. Initialization (who are member of communities / their roles, which land does the community possess / individuals have);
2. Land Buy Request
3. Land Buy Verification and Approval (Entitlement)
4. Entitlement Check

## **Meeting Critique [2 min]**

What was good? What should we do better?