

# Factsheet: Vol. 4 Participatory Land Use Planning in Komuniboli and Falake Communities



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## The Project on Capacity Development for Sustainable Forest Resource Management in Solomon Islands

### (Objective)

How do we use our land for our sustainable future? This is an essential question, from the national to community level. In particular, how to use forest resources has to be considered in Solomon Islands. In fact, natural forest resources have been severely depleted due to recent excessive commercial logging, which overwhelms the natural growth rate of trees. Therefore, the Ministry of Forestry and Research (MOFR) and JICA have started a pilot activity to promote participatory land-use (LU) planning, focusing on agroforestry, afforestation/restoration forest, and timber production for sustainable forest resource management. The Komuniboli community in Guadalcanal Province and Falake community in Malaita Province were selected as the pilot sites. The activities in both communities can provide a good example to other communities.

### (Method)

#### 1. Boundary survey

The pilot site boundary was confirmed using GPS. A gap between what the community recognized and GPS data was found. The GPS data contributed to an objective understanding of the boundary. The boundary map was distributed to community members.



#### 2. Resource mapping with community members' perception

The resources recognized by community members were mapped on paper.



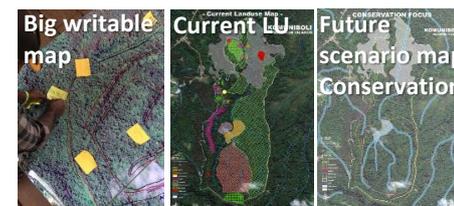
#### 3. Precise resource mapping with GPS and tablets

Precise locations of resources such as plantations, bamboo sites, water sources, farms, etc. were recorded using GPS and a tablet camera. Those locations and photos were mapped and printed on satellite imagery.



#### 4. Workshop to create current LU map and discuss future LU plan

Referring the resource maps, the current LU map was drawn on a big writable satellite image. Future LU plans were created under some scenarios (conservation/development focus). The current LU map was digitized and printed in Japan.



#### 5. Workshop to confirm current LU map and create future LU plan. Detailed activities to achieve the future LU plan were listed.

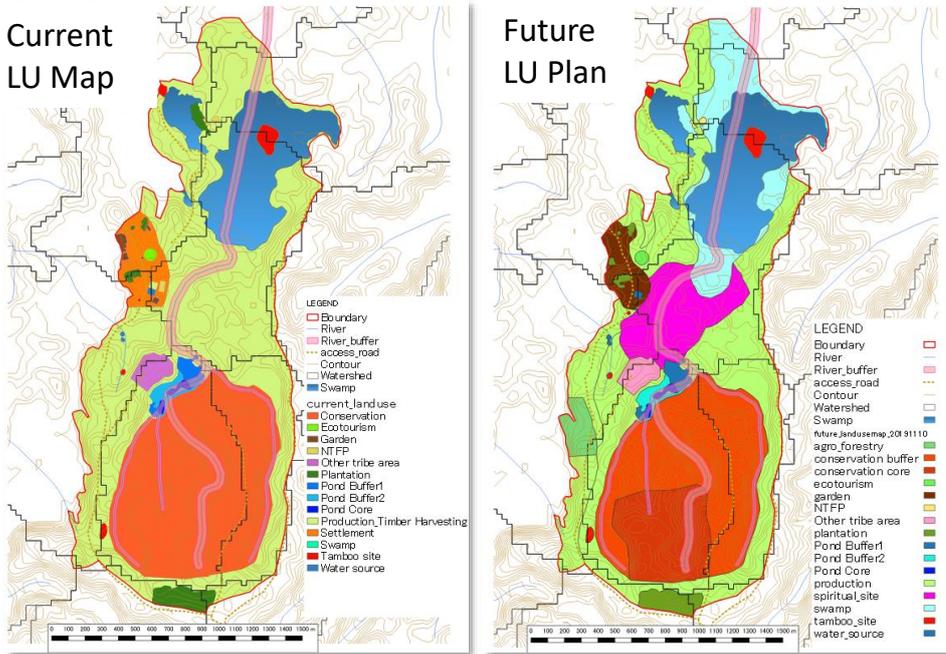
A very high-resolution drone image was often used to check the current status. A consensus on the current LU map was reached for all community members. A future LU plan was finalized referring to the above future scenario maps. The purpose of the future LU plan was deeply confirmed. Additionally, concrete activities for changing the current LU to a future LU were listed by LU category.



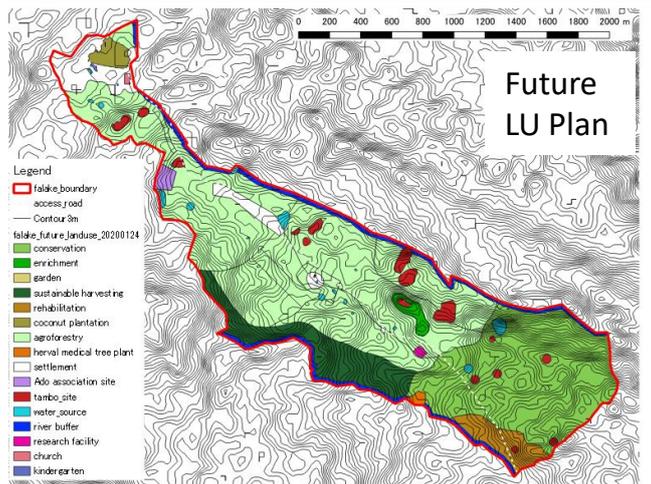
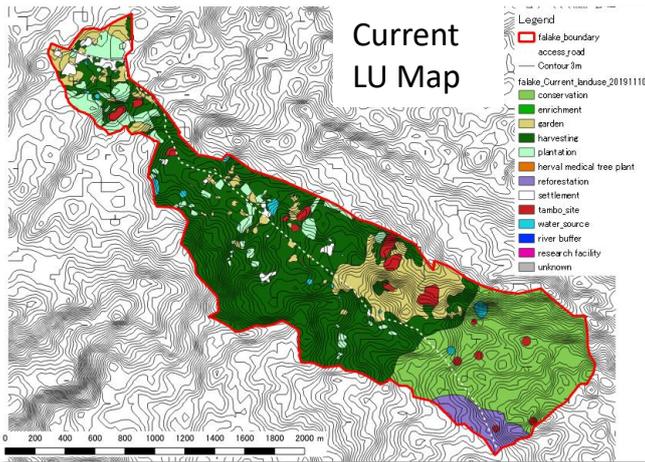
**(Result)**

Both Komuniboli and Falake communities have each successfully created a set of their current LU map and future LU plan. The conservation area related to water resources, bamboo sites, or other spiritual areas were clearly identified in the future LU plans. The areas to be utilized for the livelihood of community members such as timber production, agroforestry, etc. were defined. Based on the LU plans, community members were able to discuss necessary activities.

**Komuniboli Community**



**Falake Community**



**(Conclusion)**

The current LU maps became a base map for community members. They were able to recognize their current resources with good positional accuracy. The future LU plans illustrated a clear vision for the future. Based on the current LU maps and future LU plans, they were able to discuss what they needed to do for each area. MOFR and Japanese experts are supporting agroforestry, timber production, etc. The approach will be a good step for sustainable forest resources management in the communities.