

L'Etude et la Planification pour le Developpement Rural Durable, Guinea

(Period of assignment : Jul 2008- May 2011, Assignments: production and cultivation)

Background

Guinea is a country in West Africa along the Atlantic Ocean and it has an area of 246,000km² and a population of 10.59 million (2011, IMF). It has varied rainfall, temperature and geography by regions. It has four main ecological regions namely (1) Maritime Guinea, (2) Mid-Guinea, (3) Upper-Guinea, and (4) Forested Guinea.

The target area is Mid- and Upper- Guinea. Mid-Guinea covers 23% of national land and it is hilly location: mountain range (1,500mm). Its average temperature is 20 - 27 C, and its annual rainfall is more than 1,500mm. The rainy season is from May to October. Small scale farming is observed in hilly land. Rice and fonio are cultivated in the rainy season, and sweet potato, tomato and potato are cultivated in the cool and dry season. Productivity is very low due to inadequate farm land. Upper-Guinea covers 42% of national land and is in the rich and wide watershed of the River Niger. Rice is cultivated extensively there. Its productivity is less stable and low due to flooding in the rainy season and water shortage in the dry season. Guinea has no proper irrigation system or farm land improvement so far. Therefore the stable production of rice in the rainy season is essential for achieving self-sufficiency of cereals.

Under these circumstances, the Government of Guinea officially requested the Government of Japan to conduct a development study on sustainable rural development in Mid- and Upper-Guinea. The Government of Japan started the study in July 2008.

Outline

The objectives of this study are: (1) to draw up: a) Master Plan (M/P): expanded strategy of a model sustainable farming system, and b) Action Plan (A/P): implementation plan based on M/P in the prioritizing development area in Mid- and Upper-Guinea. (2) to strengthen human capacity and institutional ability of Counterpart (C/P) organizations, local communities, and NGOs through the activities of this study.

Assignments

- Information collection about cultivation environment, present condition of cultivation and usage of local resources.
- Publicity activities: setting workshop and seminar, and making a pamphlet
- Plan, implementation and evaluation of pilot project regarding vegetables and NERICA cultivation and their technical transfer
- Formulation of M/P and A/P on agricultural development



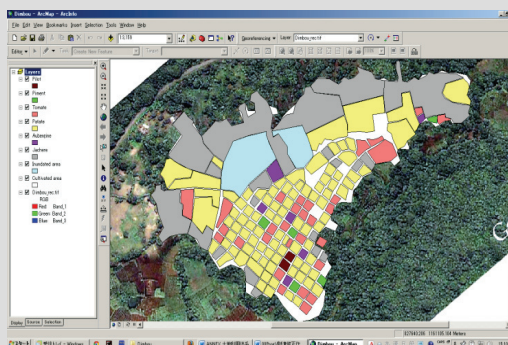
Guidance of rice for extension officers
(sowing rice seeds in wet nursery)



Guidance of rice for extension officers (yield survey)



Guidance to farmers by extension officers
(making nursery of tomato and eggplant)



Analyzing by GIS (actual usage of farm land)