Participatory Field Workshop and WebGIS about Community Tourism Development Planning

checkout the applicability of GIS and WebGIS technology for community development is still very limited. Specially, the active had participation of local people. In this paper, we introduce the research application of GIS and WebGIS technology with the participation of local people Son Vien Commune (Quang Nam Province) and Phu Luong Commune (Thua Tien Hue Province) to contribute to solving task of developing rural communities at Vietnam.

Son Vien is one of commune of mountainous district - Quang Nam province, far from the National Highway 1A, about 40 km to the West and is surrounded by many mountains same as a valley. In Son Vien, tourism resources are identified include: valley landscape formed by the surrounding mountains, Dong Gio heritage rice fields, Phuoc Binh lake, Ancestors 'house of worship, Ho Lu cave vestiges, rural agricultural production activities and especially Tay Vien hot springs have tremendous value for the preservation and improvement of human health.

Phu Luong is one of commune of Phu Vang district, Thua Thien Hue, far from Hue City and about 16 km to the East-South. In Phu Luong, tourism resources are identified include: Village gate, village meeting house, rural market, rice field landscape, village landscape, models of agricultural production (production cooperatives mushrooms, poultry production, aquaculture, Ancestors 'house of worship, ....

To promote the communities development through community-based tourism activities in Son Vien and Phu Luong which is pilot building maps of health tour route and maps about local environmental problem with support by WebGIS technology. The process of doing research is conducted by the following order: local general survey -> check the understanding of the local people about rural area, tourism potentials through participation workshop with local people, building story maps help to local people reminiscent about base informational, resources characteristics, environment and local problem -> After complete story map, local people conducted field surveys (include using GPS devices, health monitoring devices, GPS camera, etc...) to verify the memory information compared with local reality. Training for local officials and people on how to standardize survey data and GIS database building, using WebGIS technology to publish and widely shared with others through ArcGIS online service. The results as below:

- The combination of health tourism to rural tourism experience to be determined in accordance with the community tourism potentials of Son Vien commune.
- Develop a WebGIS database about potential of tourism resources and building maps of health tour route in Son Vien commune.
- Develop a web GIS database about potentials of tourism resources, environmental problems location and build environmental problems online map based-on communities at Le Xa Trung village, Phu Luong commune.
- Research results helped the local people to perceptions change about orientation community development, direction of culture conservation indigenous, protection of natural resources, environment and sustainable local economic development.
- Local people wish to continue training, use of WebGIS technology to build and share local data, sharing local potentials with international community, attract visitors.
- The idea of forming the homestay for tourists to stop and experience with rural life has been formed in the community.
- Local officials and people appreciate the role of community based tourism model in the objective of community economic development, resource protection and promotion of indigenous cultural values.