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Research Methodology and Techniques for data collection and documentation

Sub-Ecosystem

1. Group discussion and listing the sub-ecosystem-
- Out put: List of sub-ecosystem
2. Field survey and photograph
- Out put: photo of sub-ecosystem and list
3. Group discussion to explain the characteristics (physical, biology-plant, aquatic life and utilization of the ecosystem, and what kind of fishing gear people placed) both in dry season and flooded season.
- Out put: List of sub-ecosystem and information and photo.
4. Organize info and re-check by team
- Out put: report on sub-ecosystem

Fish and aquatic life

1. Group discussion for listing the species to set up the base-line data.
- Out put: List of species
2. Specimen collection and take a photograph

- Out put: Photo of fish and more other species.

3. Group discussion for explaining fish characteristic.

- Out put: Photo and info

Fish characteristics

- Local name
- Status: common, rare, endangered
- Type of migration: (found year round vs. long distant migration)
- For long distant migratory fish, investigation the migration pattern and period both up and down stream.
- Spawning season
- Habitat, feeding ground and spawning ground
- Food for fish (insect, fruit, shrimp, saline soil, tree leaves, etc....)
- Major fishing gear for catch this kind of fish
- How people utilize this species (such as sold as fresh fish , making fermented fish, sold as dried fish) and provide price/ unit (such as price/ kg)
- Local belief (if any)
- Special characteristics (if any)

4. Integrate the info

- Group meeting for all researchers to combine the list of fish from all areas into one list. In case of conflicting info, we need to discuss among researcher until reach agreement and then RAs record the final info.
- **Out put: Total number of fish**

5. Organize information, documentation and re-check by team

- **Out put: report on fish**

Fishing gears

1. Group discussion for listing the type of fishing gears

- **Out put: List of fishing gears**

2. Take a photograph of fishing gears

- **Out put: Photo of fishing gears**

3. Select group of specialist to explain their knowledge on each type by group discussion

- **Out put: Photo and info**

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Information on fishing gear

- Local name
- Commercial or tradition fishing gear/ environmentally friendly or destructive

- Structure each type of fishing gear
 - where they put the fishing gear (habitat)
 - Time of season
 - what species they are able to catch
 - Amount per day or time
4. Organize information and documentation and recheck by team
- Out put: report of fishing gears

Natural Plant for Food and herb

- Group discussion for listing the species in local name
- Out put: Pre list of plant
- Field survey and take a photo of species.
- Out put: photo of plant and more species
- Group discussion for collecting local knowledge and interview
- Out Put: photo and info
- Re-check by group
- Out put: report on plant

Plant characteristics

- Local name
- Status, common, rare, endangered
- Habitat
- Physical characteristics
- Timing when it has flower or specific part
- How people utilize the specie
- Economical aspect (sold, price, etc...)



Mekong Wetlands Biodiversity Conservation and Sustainable Use Programme

The Mekong Wetlands Biodiversity Conservation and Sustainable Use Programme (MWBP) is a joint programme of the four riparian governments of the Lower Mekong Basin – Cambodia, Lao PDR, Thailand and Viet Nam – managed by the United Nations Development Programme (UNDP), the World Conservation Union (IUCN) and the Mekong River Commission (MRC), in collaboration with other key stakeholders. With funding from the Global Environment Facility (GEF), UNDP, the Royal Netherlands Government, MRCS, the Water and Nature Initiative (WANI) and other donors, the programme addresses the most critical issues for the conservation and sustainable use of natural resources in the Mekong wetlands. MWBP aims to strengthen the capacity of organisations and people to develop sustainable livelihoods and manage wetland biodiversity resources wisely. It is a five-year (2004-2009) intervention at three levels – regional, national and local – with demonstration wetland areas in each of the four countries: in the Songkhram river basin, Thailand; in Attapeu province in southern Lao PDR; in Stung Treng, Cambodia; and in the Plain of Reeds in the Mekong Delta, Viet Nam. The programme aims to:

- Improve coordination for wetland planning from regional to local levels
- Strengthen policy and economic environments for wetland conservation
- Generate and share information
- Train and build capacity for the wise use of wetlands
- Create alternative options for sustainable natural resource use and improve livelihoods

MWBP is a partnership between governments, aid agencies and NGOs, and provides a framework for complementary work for wetland conservation and sustainable livelihoods in the Lower Mekong Basin.

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