**Summary of the data**

**Direct measurements and Focus group discussion data: In folder “Direct measurements and FGD data”**

Following tabs are in the main Excel file;

* + The “ReadMe” tab has the methods used for collecting data in brief. For more information, please refer "WP1\_CombinedResearchMethods-archiving" file.
  + “Loc list” tab contains the details of the locations (coordinates, Economic status, transect details…ect.) selected for FGD and direct measurements out of all the locations selected for HH survey.
  + “Master data” tab has all the data collected from direct measurements and FGD for each location. For the direct measurement data collected from 10 hh in each location, average values are entered here. Aesthetic scores, rice biomass and soil biomass data are not finalised yet (for more information please refer the “Soil Biomass” tab).
  + “10hh data” tab has the data collected from 10 hh as measurements and observations. Average values were added to the “Master data” sheet. Aesthetic scores were not analysed yet.
  + “Temple 1 hr count” has 1hour visitation count of a randomly selected temple in each location.
  + “Recreation 1hr count”: 1hour visitation was counted for most visited recreational areas (parks, forests, river…etc.) in each location. In urban areas, these were parks. In rural areas we considered lake, rivers, forests and sometimes rice fields as well. This place was determined from the information obtained from the FGD. During FGD in some rural areas, they said that they were going to rice fields for “nature walking”. However, considering rice fields were a bit confusing. The people we saw in rice fields were actually working. Again, they entered before we came. So, counting them can be wrong. But we counted. Therefore, these numbers don't belong to that hour entering. I suggest ignoring the rice field data.
  + “Public toilet 1hr count”: 1hour visitation was counted per randomly selected public toilet in each location (when available).
  + “Public tap 1hr count”: water quantity collected from a public tap for one hour was counted in each location (when available).
  + “Tap Water quality”: Water quality was tested for coliform bacteria using H2S strip test. This test was done for 2 water samples from each location from both public taps (when available) and randomly selected HH taps. When these are not available water samples were taken from a randomly selected HH tap as well. This was not planned in methodology. But I collected to get an idea of the water quality. These are marked in the data set.
  + “Rice shops data”: Collected the average quantity of rice purchased by a family during last week from five randomly selected local shops (or less if at least five shops are not available in the site).
  + “Rice field Biomass”: Rice biomass was estimated using observed harvest data and the area along with harvest index. Need to calculate the rice biomass in each location by using the data of area of rice grown from the maps obtained from institutions. This is not done yet.
  + “Grass & understorey Biomass”: Harvested under-story plants of 0.5m\*0.5m plot (inside the 10m\*10m plot) in selected forest and grass samples from 0.5m\*0.5m plot (inside a randomly selected 20mx20m plot) in grassland in each location. These samples were oven dried at 105◦C until a constant weight was obtained. Then I assumed 50% of Biomass is Carbon and calculated the above ground tree biomass of the plot. Grassland biomass in each location will be calculated using the area data obtained from the maps obtained from institutions. Biomass of understorey plants will be added to forest tree biomass in order to estimate the above ground Carbon stock in forests in each location using the area data obtained from the maps obtained from institutions.
  + “Forest tree Biomass”: Forest was found only in Venkambavi Thunda. Forest type was Dry deciduous scrub forest. Dominant species was Acacia caesia. Plot size was 10m\*10m. Dbh and height was measured. Specific gravity was calculated as 0.8. AGBM=0.112\*(ᵽd2h)0.916 (Chave et al., 2005) equation was used. Then I assumed 50% of Biomass is Carbon and calculated the above ground tree biomass of the plot. Biomass of understorey plants will be added to forest tree biomass in order to estimate the above ground Carbon stock in forests in each location using the area data obtained from the maps obtained from institutions.
  + “Soil Biomass” tab has the soil biomass calculations.
    - Mean Organic Carbon Density (OCD) of soil is calculated (column AV). Need to calculate the areas of rice, grass and forests from the GIS maps collected from different institutions to estimate the total Carbon stock in each location.
    - Yet Total Inorganic Carbon density and Total Carbon density of soil seems erroneous as Total Inorganic Carbon density comes negative for some locations.
* FGD 1 data
  + We randomly selected 10 male or/and 10 females from desired economic group (please see the details in “Loc list” tab in “Primary data all locations -archiving” Excel file for more details) for each FGD in each location. The minimum number of participants were 3 when they were not available.
  + They were asked to rate the 10 ES 1-10, depending on the importance for each of 9 wellness indicators. Not applicable (not using) =0, don't know or nor score given=00. For more information please refer "WP1\_CombinedResearchMethods-archiving" doc
  + These are entered in “Master data” tab as well.
* FGD 2 data
  + For same group of participants, we asked to spatially locate sources of each ES and relevant flows (paths and roads) for local use and trade in the given transparency sheet attached to the printed map of aerial view of the community. For more information please refer "WP1\_CombinedResearchMethods-archiving" doc
  + These are entered in “Master data” tab as well.
* FGD 3 data
  + For same group of participants, we asked to mark the changes of ES in the past, present and future along with drivers of changes in the provision of ES. We also asked to mark the seasonal variation (12 months of the year) of ES. For more information please refer "WP1\_CombinedResearchMethods-archiving" doc
  + These are entered in “Master data” tab as well.