

## **BACKGROUND DATA – Q & A**

**Q:** Besides meteorological data, are secondary oceanographic data (e.g., water temperature) for fishery communities mandatory?

**A:** It's not mandatory to collect oceanographic data but it is highly welcomed, especially if they refer to frequently reported environmental changes observed by the local communities. Additional data on the marine sea water and wind characteristics (e.g., water temperature, wind speed on the sea, data on currents) help to better understand the changing livelihood conditions of marine fishery communities. However, they should be considered as additional data to weather data from (terrestrial) meteorological station since the terrestrial climate also affects coastal ecosystems.

**Q:** In my study site, the fishing grounds of local fishers spread over a distance of up to 1000 km. Should I collect all available weather data for the entire coast of Peru?

**A:** In this case it will be useful to get the weather data from at least 3 weather stations: from the northern, the central and the southern area to assess the spatial climate variability.

**Q:** Large scale satellite data could be useful instead of local weather station data? The large-scale/regional data might be useful if some change in the system occurs far from the community (e.g. precipitation on mountains/catchment area km away) but affects them locally (e.g. in the river delta).

**A:** From our partners and collaborators we only expect climate data from local meteorological stations because we assume that researchers working in the field site have better access to local weather data. Since we are assessing local perception of climate change impacts, we are especially interested in local small-scale secondary data. However, following the multiple evidence approach ([Tengö et al., 2014](#)), the LICCI core team will also assess other secondary climate data, e.g., data from climate modelling.

**Q:** What do you define as representative area?

**A:** The size of the representative area is up to the partners and comprise of the area that is representative for your data collection and normally includes all the areas that are frequently used for living and livelihood activities by the community members. The representative area should be homogenous with respect to prevailing climate and socio-economic and environmental conditions.

**Q:** Where should I send the background data and in which format?

**A:** Background data should be uploaded to Project Send. For the weather data, please use and fill in the Excel template for weather data provided by the LICCI Core team. For GPS data we accept the following formats: .gpx data (the typical format from GPS devices or the Offline Maps App), GIS features, e.g., shape files (.shp), and for the waypoints we additionally accept the use of the Excel template for GPS data provided by the LICCI Core team.