GIS Landscape Assessment - KII Guide

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **UID** | **Name (Pseudonym if anonymity requested)** | **Country** | **Department** | **Position** |
| A | Anonymous 1.1 |  |  |  |

Purpose of the KII: Probe quality of GIS data collection and use in Mercy Corps programs. Make a copy of this guide for each KII and make notes for responses, as well as record transcripts. Before the interview, note highlighted areas in the tool and prepare the appropriate info per KII

**CONSENT STATEMENT:** Thank you for agreeing to participate in this interview. As we shared over email, we are gathering information on behalf of the GeoField project, and we are conducting an internal assessment of geospatial data collection and use to help us understand how Mercy Corps is currently using geospatial data and what some of the opportunities and constraints are for using it more effectively for monitoring and evaluation purposes. I will take notes and a transcript, but as previously stated in the email, your responses will remain strictly internal to Mercy Corps, and neither you nor your program will be named in any external documents. However if we discuss any topic or information in the interview that you want to flag as sensitive, please let us know so we can ensure no detail of it is included (even anonymously) in the assessment report. Do you have any questions?

Do you consent to proceeding with the interview and to my recording a transcript?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section 1: Basic Questions**

**QUESTION: 1. From the information we have gathered so far, we understand that Program(s) X collected data types Y for purpose Z? Is there anything you would add to that description?** Followups: Specific questions on the stated motivation, including: Was it included in the program design/MEL plan? Was it a donor requirement/which donor? Did they collaborate with local partners or peer organizations in collecting the data

*Responses here*

**QUESTION: 2. You reported that the data collected was (points, lines, polygons, something else) and that other context.** Try to tease out the quality of the data collected and coverage, e.g. was it a complete dataset or was GIS data gathered for only a subset of the collection, if collected for agriculture, was it at the plot or at the farmer’s house? Was the data collection supposed to be a sampling or for the full population of the program? How often was it collected (just at baseline / endline, more frequently?). Could the data potentially have been collected with more precision/detail?

*Responses here*

**How was the data collected?** With what technology (paper, phones, specialized devices [like sensors, etc.]). Describe any MEL Tech applications used and any GIS-specific configurations needed)

*Responses here*

**Was a protocol established for collecting this data? Please describe.**

*Responses here*

**Describe costs involved --> attempt to make a rough estimate of total marginal cost for geodata collection (above and beyond costs they would have incurred anyway for regular data collection)** Describe any logistical considerations to collecting the data (i.e. ensuring enumerators collect gps coordinate at a plot rather than at a farmer’s house, etc.)

*Responses here*

**3. What is your process for cleaning and validating this data (if any)** Did you adhere to any specific standards or naming conventions for cleaning the data (e.g. for administrative regions, place names, or geodata formats)

*Responses here*

**Where did you ultimately store the data?** Databases/application where it was collected, computers of MEL staff, Azure/MEL data system through HQ, Other (ArcGIS online, program database, etc.)

*Responses here*

**Were there significant barriers in cleaning and processing the geodata?**

*Responses here*

**4. Previously you stated that you did X with the GIS data collected? Can you tell me more about the analytical methods and technology used?**

*Responses here*

**Do you feel that the spatial data collected was adequately complete and accurate for the goal or question?**

*Responses here*

**If you had to do it all over again, would you do anything differently?**

*Responses here*

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(IF RELEVANT) Section 2: BARRIERS**

This section can be seen as a selection of questions on this topic and would not be used in full for every interview. Perhaps a program that is collecting a lot of data might be asked questions about what might be a barrier to collecting more comprehensive or precise data.

**In what other cases are you collecting spatial data?**  Possibly can be deduced from the MEL Tech survey i.e. gps coords for households, plot boundaries, lines for water piping, roads, etc.

*Responses here*

**What types of decisions in your work do you think could benefit from spatial data analysis?** Make sure respondent has enough context around possibilities of spatial data analysis

*Responses here*

**Can you elaborate about any barriers you’re facing in using GIS data more?** Time, training, equipment/devices, funding, lack of knowledge/awareness about value, sensitivities? Have you received adequate training, information or messaging about geospatial data collection and analysis? If not, would you be interested in more of such engagement or training?

*Responses here*

**Are there any factors that make you hesitant to collect spatial data?** Political sensitivities, ethical considerations, lack of capacity/time

*Responses here*

**Are there any successful examples of the use of GIS and spatial data in similar projects that you're aware of that you might want to implement or replicate?**

*Responses here*

**Are you aware of any local organizations who may collect spatial data that could be partnered with?**

*Responses here*

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(IF RELEVANT) Section 3: RS/EO Data**

**You mentioned in the MEL Tech Survey that RS/EO data was used in X monitoring or evaluation efforts - can you go into a bit more detail about this?** Give a brief description of what we’re talking about – this could include basemaps!

**Can you describe the RS data sources, costs, and process for accessing/using?** (time, training/knowledge, funding/access to data). What lessons have you learned so far?

**Have you received adequate training, information or messaging about remote sensing data and analysis? If not, would you be interested in more of such engagement or training?**