

# Baseline Surveys

## Environmental Consulting Services



**EARTH SYSTEMS**  
Environment | Water | Sustainability

### CAPABILITIES

Establishing a baseline of the socioeconomic, health and nutrition situation of communities surrounding projects is essential for monitoring project impacts. Baseline information can be used to provide a transparent basis upon which compensation entitlements can be determined in the event that community land / assets are affected by a project. Considering and accounting for the social impacts of a project on surrounding communities from an early stage minimizes conflicts and facilitates project functioning.

Earth Systems provides expertise in land/asset, livelihood, and health and nutrition baseline surveying in the mining, hydropower, and infrastructure development sectors. Earth Systems tailors baseline studies to each project to ensure that potential social impacts on community assets / land, livelihoods, and health and nutrition are accounted for in the baseline information collected.



*Surveyor completing a questionnaire with a family in Senegal.*

### SERVICES PROVIDED

- Designing land / asset, livelihood, and health and nutrition baseline studies that comply with regulator requirements and guidelines.
- Designing project-specific village, household and individual level questionnaires that incorporate potential social impacts cultural sensitivities.
- Preparation of baseline reports.
- Selection and management of local survey teams.

- Analysis and interpolation of survey data.
- Collecting location, character and dimension data of assets and land.
- GIS mapping of community and household land and assets.
- Conducting compensation assessments.
- Facilitating government, community and other stakeholder liaison to ensure that stakeholder concerns are engaged in an appropriate and timely manner.
- Database design for the organisation and interpolation of survey data and any subsequent community baseline data that is collected.



*Villagers locating their land in Senegal.*

### EXPERIENCE

Earth Systems personnel have experience in conducting baseline surveys for mining and hydropower projects. Recently completed projects include:

- Land / Asset and Livelihood Baseline Survey for the Sabodala Gold Project in Senegal;
- Land / Asset and Livelihood Baseline Survey for the Grand Côte Zircon Project in Senegal;
- Land / Asset and Livelihood Survey for the Nam Theun 2 Hydropower Project in Lao PDR;
- Health and Nutrition Baseline study for the Phu Kham and Phu Bia Copper-Gold Projects in Lao PDR.

*For further information contact Earth Systems*

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