

Environmental and Social Impact Assessment Consulting Services



EARTH SYSTEMS
Environment | Water | Sustainability

CAPABILITIES

Earth Systems provides expertise in the environmental impact assessment of proposed and existing operations in the resource development and waste management fields. This expertise includes the management and preparation of environmental impact assessments to meet regulatory requirements for project permitting.

The approach of Earth Systems is to work closely with clients and project engineers during the prefeasibility and feasibility stages of project development to ensure that environmental considerations are fully integrated into project design. The aim is to develop management and mitigation measures that are technically and economically feasible, and that minimise environmental impacts to a degree acceptable to regulators, financiers, the community and other stakeholders.

SERVICES PROVIDED

- Identifying and scoping project permitting requirements and necessary environmental/social studies.
- Building an impact assessment team of in-house and external consultants with expertise specific to the nature of the project and its environmental setting.
- Developing, costing and managing an impact assessment program, including ongoing baseline monitoring.
- Preparing detailed briefs for environmental studies, including impact characterisation studies and baseline investigations.



Drinking water sampling for a project in Senegal.

- Undertaking comprehensive risk assessments to identify potential environmental liabilities/risks.
- Liaising closely with client, project engineers and, where required, regulators and financiers.
- Facilitating government, community and other stakeholder liaison at key decision points during the impact assessment process to ensure that stakeholder concerns are engaged in an appropriate and timely manner.

- Developing appropriate management and mitigation measures in conjunction with the client and project engineers to meet international standards such as those of the IFC/World Bank.
- Preparing environmental impact assessment reports that conform to the requirements of regulators and integrate the project design, environmental study findings and proposed management and mitigation measures.
- Providing independent review of environmental impact assessment reports and technical studies.



Community consultation for a mining project in Lao PDR.

EXPERIENCE

Earth Systems personnel have experience in conducting environmental impact assessments for mining, petroleum and waste management projects in arid, semi-arid and tropical environments, in Australia, Papua New Guinea, Indonesia, Lao PDR, Tanzania, Angola and Ghana. Recent projects include:

- Environmental Impact Assessment for the Phu Kham Copper-Gold Project, Lao PDR.
- Scoping Study for the Anthony Molybdenum Project, Australia.
- Environmental and Social Assessment and Resettlement Action Plan for Grande Cote Mineral Sands Project, Senegal.
- Due Diligence Review for Hongsa Mine Mouth Power Project using IFC standards, Lao PDR.
- Baseline Environmental Assessment for the Xiaosongshan Nickel Exploration Project, China.
- UNDP funded Socio-economic Impact Assessment for a 35,000 hectare eucalypt plantation, Lao PDR.
- ADB funded Cumulative Impact Assessment for the Nam Ngum 3 Hydropower Project, Lao PDR.
- Rehabilitation Assessment and Plan for Murray Basin Stage 2

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