

Environmental and Social Impact Assessment

Earth Systems provides high quality, multidisciplinary environmental and social impact assessment services to a range of industry sectors including mining and energy. We ensure that our impact assessments are prepared to meet all project permitting and financing requirements.

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. Our 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

- Environmental information procurement through research data collation, manipulation and interpretation.
- Identifying and scoping project permitting and financing requirements and necessary environmental/social studies.
- Designing and executing an impact assessment programme including project management, the application of current recognised methodologies and resourcing with a range of in-house and international specialists.
- Environmental and social baseline monitoring programmes.
- Comprehensive risk assessments to identify potential environmental liabilities/risks.
- Liaising closely with the client, project engineers and, where required, regulators and financiers.
- Facilitating government, community and stakeholder liaison at key decision points during the impact assessment process.
- Applying the FPIC process where appropriate to ensure indigenous rights are adequately considered in the impact assessment process.
- Preparing ESIA's and supporting plans to IFC Performance Standards and Equator Principles, including Environmental and Social Management and Monitoring Plans (ESMMPs), Resettlement Action Plans (RAPs), Livelihood Restoration Plans (LRPs), Community Development Plans, Rehabilitation and Closure Plans, Waste Management Plans, and Biodiversity Action Plans.
- Providing independent review of environmental impact assessment reports and technical studies.



PROJECT EXPERIENCE

- ESIA and ESMMP for the Mako Gold Project, Senegal.
- ESIA gap analysis, RAP and Land, Asset and Livelihood Baseline Study for the Grande Cote Mineral Sands Project in Senegal.
- ESIA Update and RAP requirements for an electricity company, Senegal.
- ESIA Upgrade for the Fekola Gold Project, Mali.
- ESIA Upgrade management on behalf of a mining client, Cameroon.
- ESIA, ESMP and RAP for the Tri-K Gold Project, Guinea.
- ESIA Update and LRP for the Nyagak III Hydropower Project, Uganda.
- Environmental and Social Scoping Study for the Mofe Creek Iron Ore Project in Liberia.
- Environmental Monitoring - Review and Recommendations for the Gold Pride Gold Project in Tanzania.
- Environmental and Social Studies for the North Mara Gold Project in Tanzania.
- Environmental and Social Auditing of MIGA-guaranteed (World Bank) projects in Africa.



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