

ESL GIS and Mapping Services

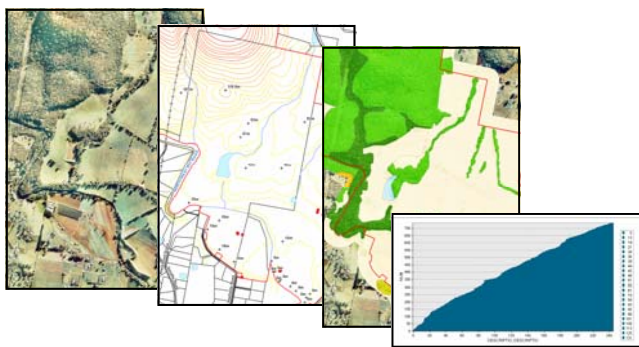
Smarter decision making through Geographic Information Management

The ESL Spatial Data and Information Team

The Earth Systems Lao (ESL) Spatial Data and Information Team have the expertise to help organisations:

- Facilitate decision making;
- Improve stakeholder communication;
- Support planning and management.

ESL are leading spatial technology users in Lao PDR. The GIS team have been providing private and public sector organisations with the latest GIS products and services for over 10 years. In that time, ESL have built an extensive library of environmental, topographic and infrastructure GIS datasets. ESL are experienced at sourcing GIS data and imagery from a range of government departments and data custodians, both in Lao PDR and overseas.



ESL provides a range of GIS and imagery services, including digital, interactive and printed 2D and 3D maps; spatial data management; database design; and remote sensing image preparation and analysis. The ESL Spatial Data and Information Team have experience using the latest GIS and remote sensing technology and managing a range of data formats, including ESRI ArcGIS, MapInfo, AutoCAD, Erdas Imagine and ER Mapper.

Experience

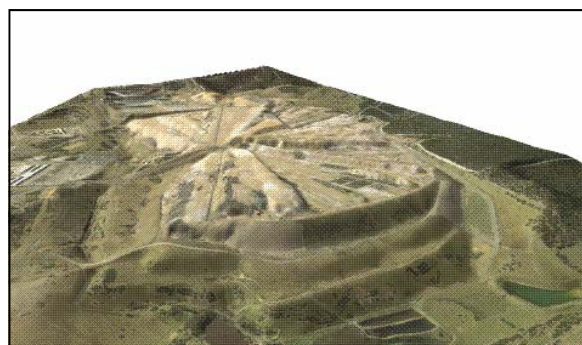
- Spatial analysis, land and asset registration geodatabase for compensation and resettlement planning for hydropower and mining environmental and social assessment projects in Lao PDR. Clients have included Nam Theun II and LXML.
- Spatial analysis of climate change vulnerability, such as coastal inundation and flooding.
- Interactive web-based GIS mapping, of environmental data, for the United Nations Tumen River Strategic Action Program.

What is GIS?

GIS (Geographic Information System) is the collective term for computer hardware, software, and geographic (spatial) data used for capturing, managing, analyzing, and displaying all forms of geographically referenced information. GIS allows users to integrate and analyze environmental, built and socioeconomic data to help visualize and analyze relationships, patterns and trends, and ultimately answer questions, help solve real world problems, make better decisions and present information in a way that is quickly understood and easily shared.

ESL GIS and Data Management Services

- GIS data procurement and preparation
- Interactive, digital and printed map production
- Satellite imagery preparation and analysis
- 3D virtual 'fly-throughs' and project visualisation
- Digital Elevation Modelling (E.g. Slope, aspect and watershed analysis)
- Database design and management
- GIS training
- Digitising, GIS data manipulation and cleaning
- Hydrological and catchment modelling
- Geostatistical analysis
- AutoCAD Drafting



To find out more about how your organisation can benefit from ESL's competitive cost GIS and data management services, contact Andrew Mellor andrew.mellor@earthsystems.com.au or call (856-21) 413 723.



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