

Information Technology

Environmental Consulting Services



EARTH SYSTEMS LAO Environment – Water – Sustainability

CAPABILITIES

The management and use of environmental and social data is core to many assignments and studies. Earth Systems Lao not only uses state of the art Information Technology, such as high resolution satellite imagery and mapping software to produce excellent quality maps, but has also developed innovative data management platforms. These platforms which utilise both GIS and database software have been used in the process of calculating compensation for project affected persons (PAP's) for hydropower projects in Lao PDR.

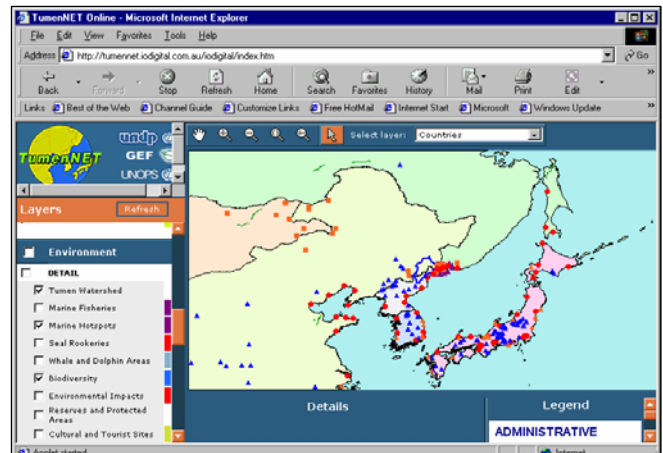
SERVICES PROVIDED

IT services provided by Earth Systems Lao include:

- Data collation, manipulation, interpretation and statistical analysis
- Data display, GIS visualization, mapping and analysis
- Development of specific IT platforms for management of GIS data
- Database development and management



An example of a GIS map prepared by Earth Systems Lao using Satellite Imagery acquired from Quickbird Satellite with spatial resolution of 1 km



TumenNET Environmental GIS for Eastern China, Eastern Mongolia, Northern Korea and Southern Russia

RELEVANT PROJECT EXPERIENCE

Recent experience includes:

- Establish and develop a GIS and database of all assets and land areas located in/on Project Lands as part of a Baseline Study Phase 1 and 2, for the Nam Theun 2 Hydropower project in Khammuoane Province
- Prepare maps of project land areas using Quickbird Satellite Imagery and the creation of a database platform for the Nam Theun 2 Physical Cultural Resources (PCR) Survey in Bolikhamxai, Khammuoane and Savannakhet provinces
- Compilation of known existing environmental data into a Geographical Information System (GIS) for a broad region surrounding the Tumen River which includes Eastern China, Eastern Mongolia, Southern Russia and North Korea
- Assist the Department of Geology & Mines to develop an official website in Vientiane

**For further information, please contact
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