

Cambodia ICT Camp 2018

18 December 2018, Siem Reap province

“Digital Open Data Technology for Transparency and Accountability of Environmental Impact Assessment (EIA)”

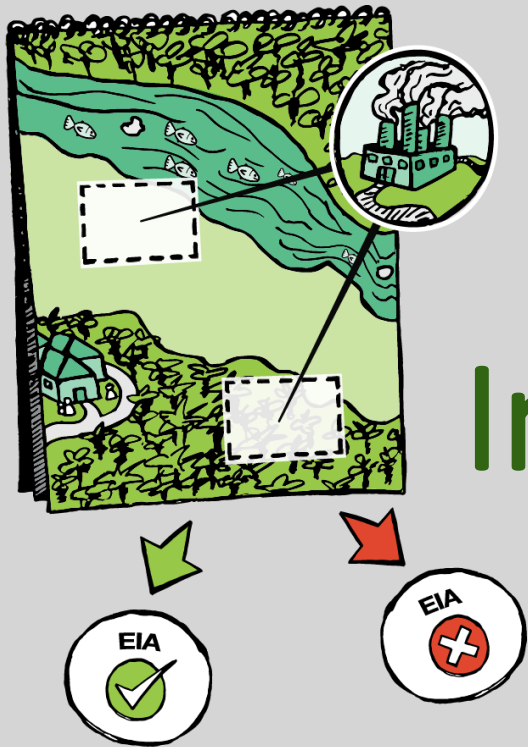
Ms. Thao Chanthearyradh, Editor – Researcher

Open Development Cambodia

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Introduction to Environmental Impact Assessment



What is Environmental Impact Assessment (EIA)?

Environmental Impact Assessment (EIA) is a comprehensive analytical tool evaluating key effects of proposed large-scale development projects, often involving the extraction of natural resources or construction of infrastructure.

Environmental Impact Assessment

To analyze environmental impact in the initial or full EIA, analysis needs to be made on three things: (1). Type of impact, (2). Prediction of possible scale and scope of impact, and (3). Determine impact notions.

Type of Project Required IEIA/EIA

A. Industry

- Foods, Drinks, Tobacco
- Leather tanning, Garment and Textile
- Wooden production & Paper
- Plastic, Rubber and Chemical
- Mining and Other Industries

B. AGRICULTURE

- Concession forest, Logging, Land covered by forest, Agriculture and agro-industrial land, Flooded and coastal forests, Irrigation systems, Fishing ports.

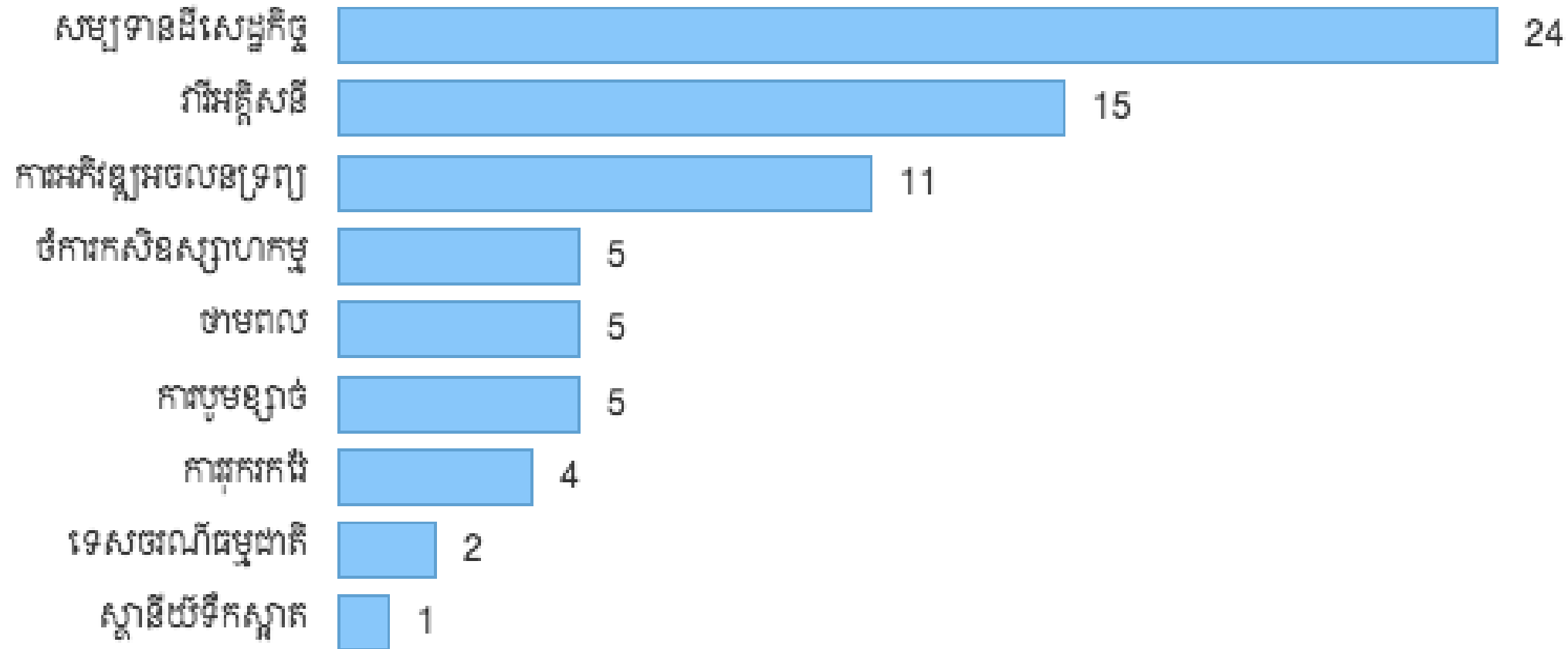
C. TOURISM

- Tourism areas
- Golf field

D. INFRASTRUCTURE: Urbanization development, Bridge, national road, railway and port construction, Restaurant and hotel, Air port construction, Dumping site.

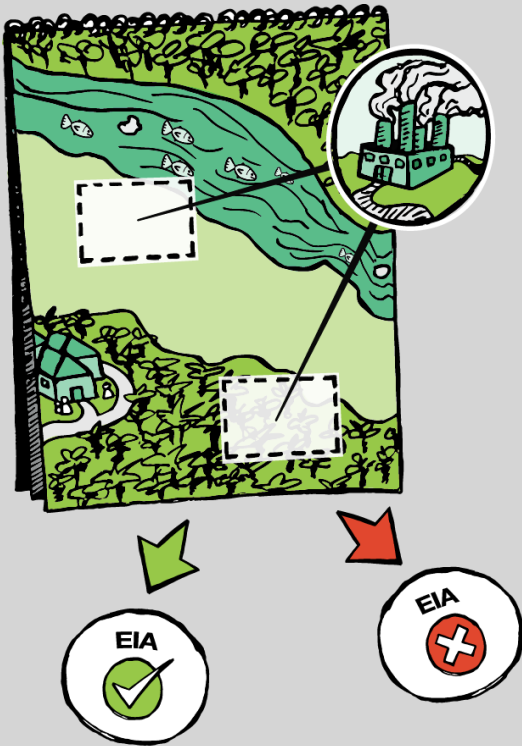
ការវាយតម្លៃផលប៉ះពាល់បរិស្ថាន (EIA) តាមប្រភេទនៃគម្រោង

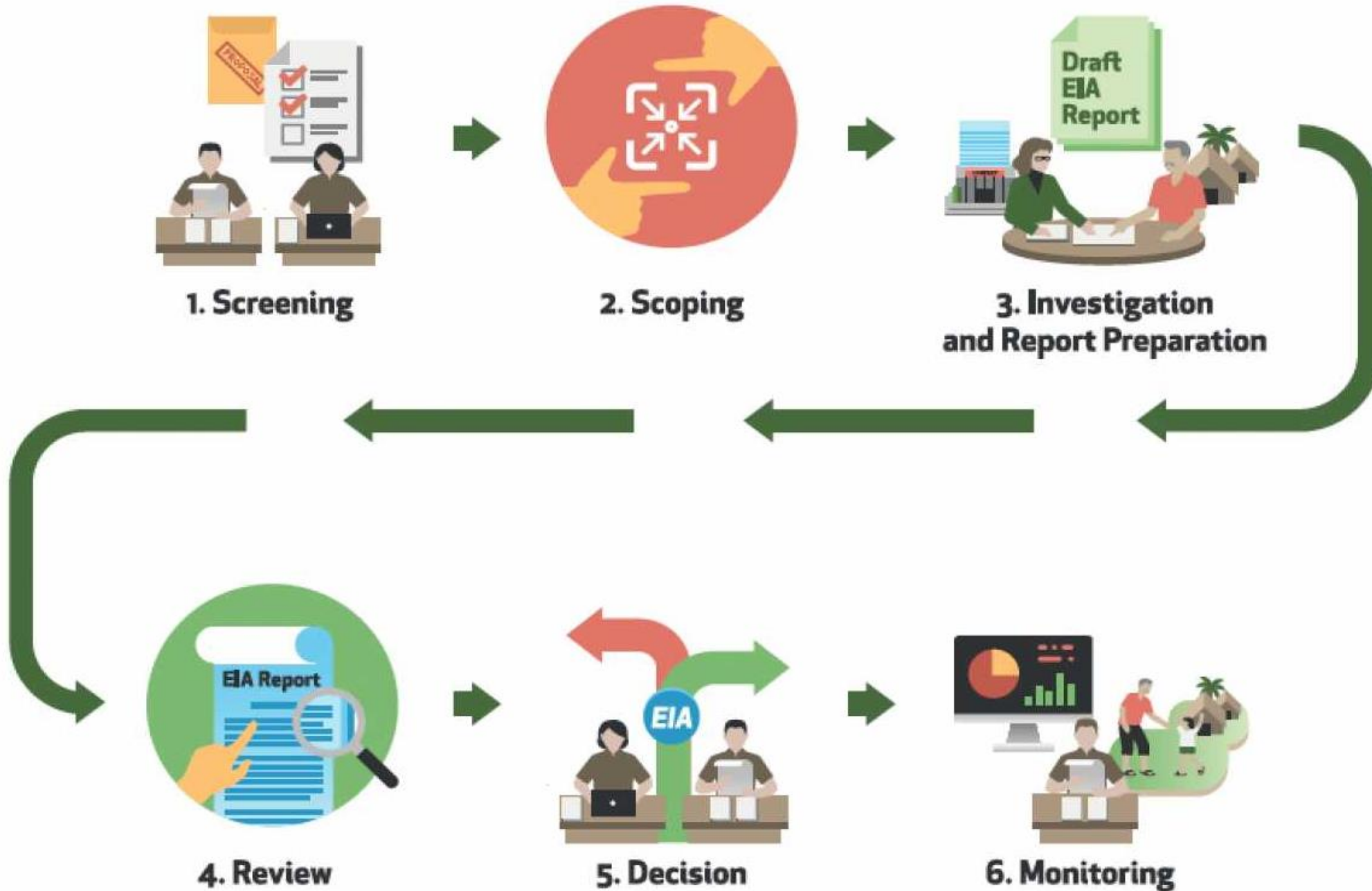
ដោយផ្អែកលើបញ្ជីនៃ EIAs ចំនួន 72 ពីឆ្នាំ 2007 - 2013



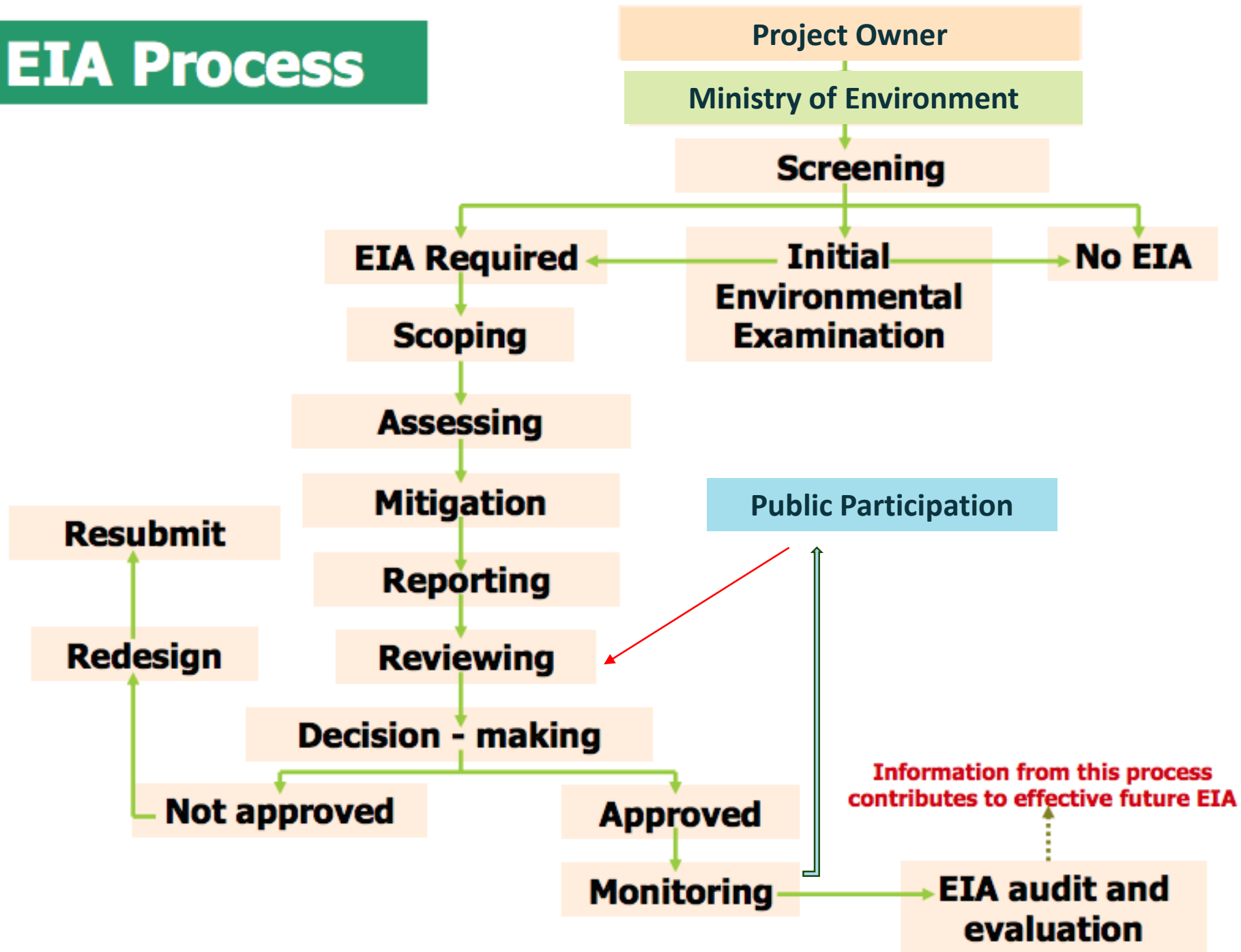
Source: [ធនាគារទិន្នន័យអភិវឌ្ឍន៍កម្ពុជា](#) [Get the data](#)

The process of EIA





EIA Process

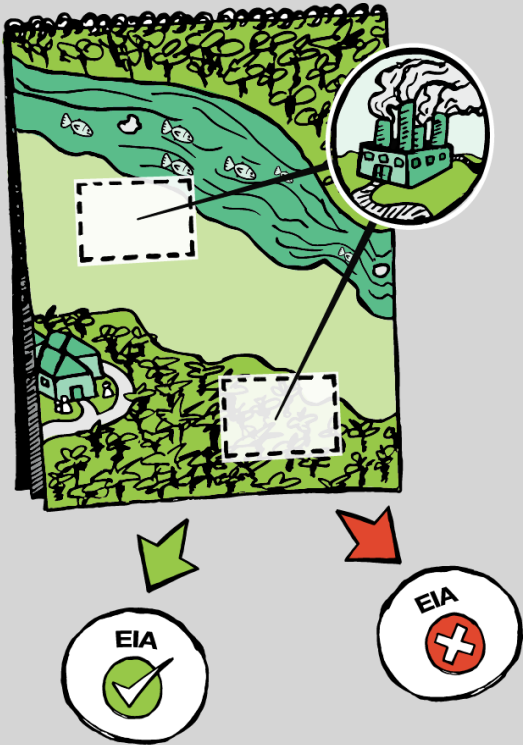




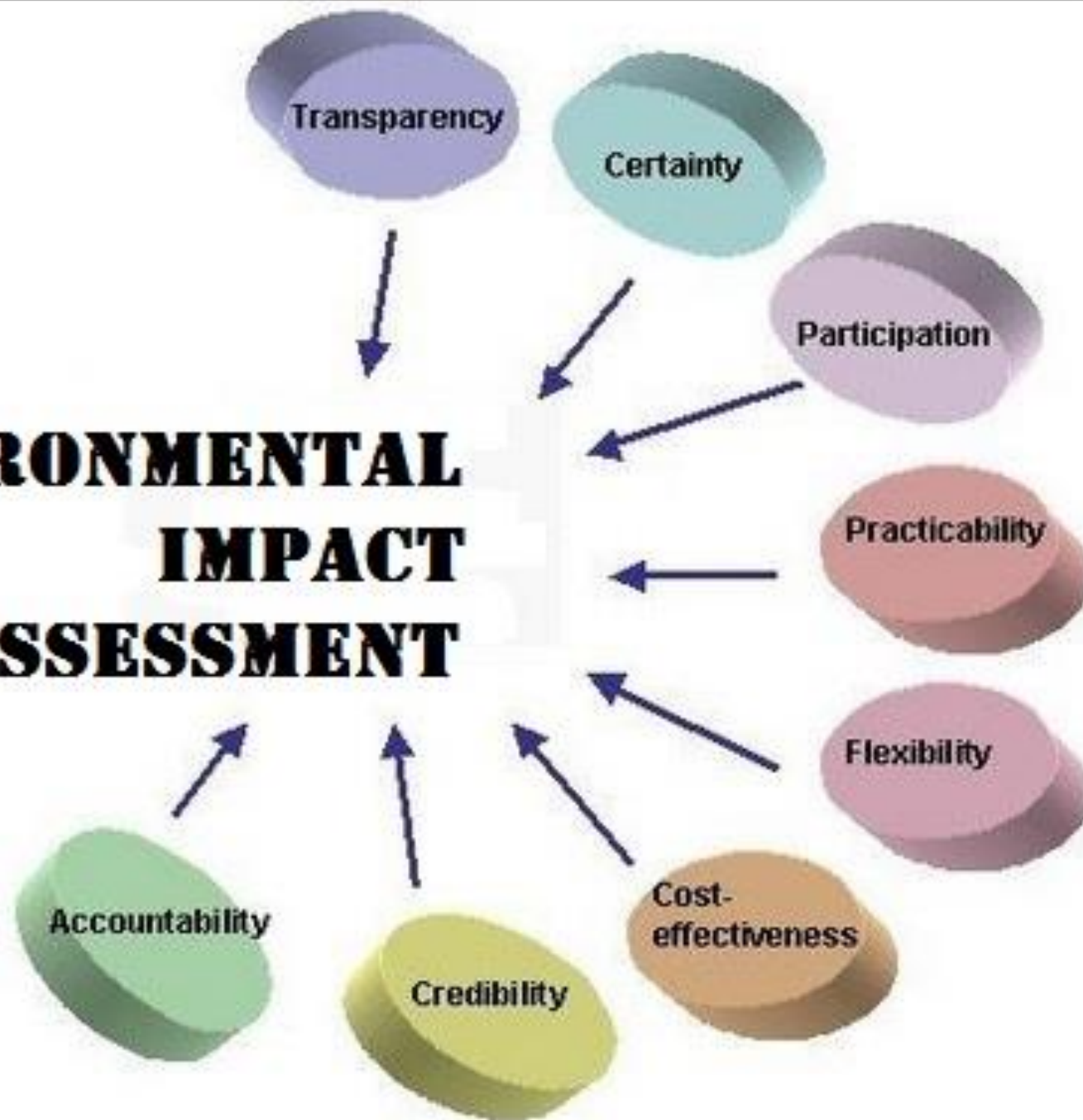
EIA legal frameworks

1. Law on Environmental Protection and Natural Resource Management (1996)
2. Law on Nature Protection Area (2008)
3. Sub-Decree on Environmental Impact Assessment Process (1999)
4. Sub-Decree on Water Pollution Control (1999)
5. Sub-Decree on Solid Waste Management (1999)
6. Sub-Decree on the Control of Air Pollution and Noise Disturbance (2000)
7. Joint Prakas between MoE and Ministry of Economy and Finance on the Establishment of Service fee for Reviewing report of EIA and Monitoring the Project implementation (2000)
8. Prakas on Delegation of Power to Municipal/Provincial Department of Environment to Decide on Project Development (2005)
9. Prakas on General Guideline for Preparing Initial Environmental Impact Assessment and Full Environmental Impact Assessment Report (2009)

Why EIA?



ENVIRONMENTAL IMPACT ASSESSMENT



Importance of EIA

- Make development projects environmentally sustainable
- Reduce adverse environmental impacts
- Identify environmental impacts on ecologically fragile landscape before development projects
- Assess the effects of development pressures on the natural resource as well as on socio-cultural aspects
- Reduce the overall environmental and economic costs of projects
- Informed decision making
- Increase transparency and accountability

Challenge

- Lack of EIA Legal Frameworks
- Lack of SEA tool
- Lack of human resources on EIA
- Ensuring meaningful participation
- Compilation of datasets at multiple spatial scales to assess impacts at the regional and project specific scales
- Compiling and reporting monitoring data in consistent, available, and usable formats.

Introduction to Open Development Cambodia



Introduction to “Open Development Cambodia”

Open Development Cambodia (ODC) is an ‘open data’ website, the first of its kind in Southeast Asia. The open data movement is based on the simple premise that data collected for public interest should be publicly available without restrictions.

Information or data in the public domain should be freely available to everyone to use and republish as they wish. Open Development Cambodia does not promote any particular perspective, agenda or bias other than to provide objective information about Cambodia and its development.



Introduction to EIA data and profile page on ODC website

EnviSat Landsat T



ENVIRONMENT AND LAND

Agriculture and fishing
Disaster and emergency response
Environment and natural resources
Extractive industries
Land

ECONOMY

Economy and commerce
Energy
Industry
Infrastructure
Labor
Science and technology

PEOPLE

Aid and development
Government
Law and Judiciary
Population and censuses
Social development
Urban administration and development

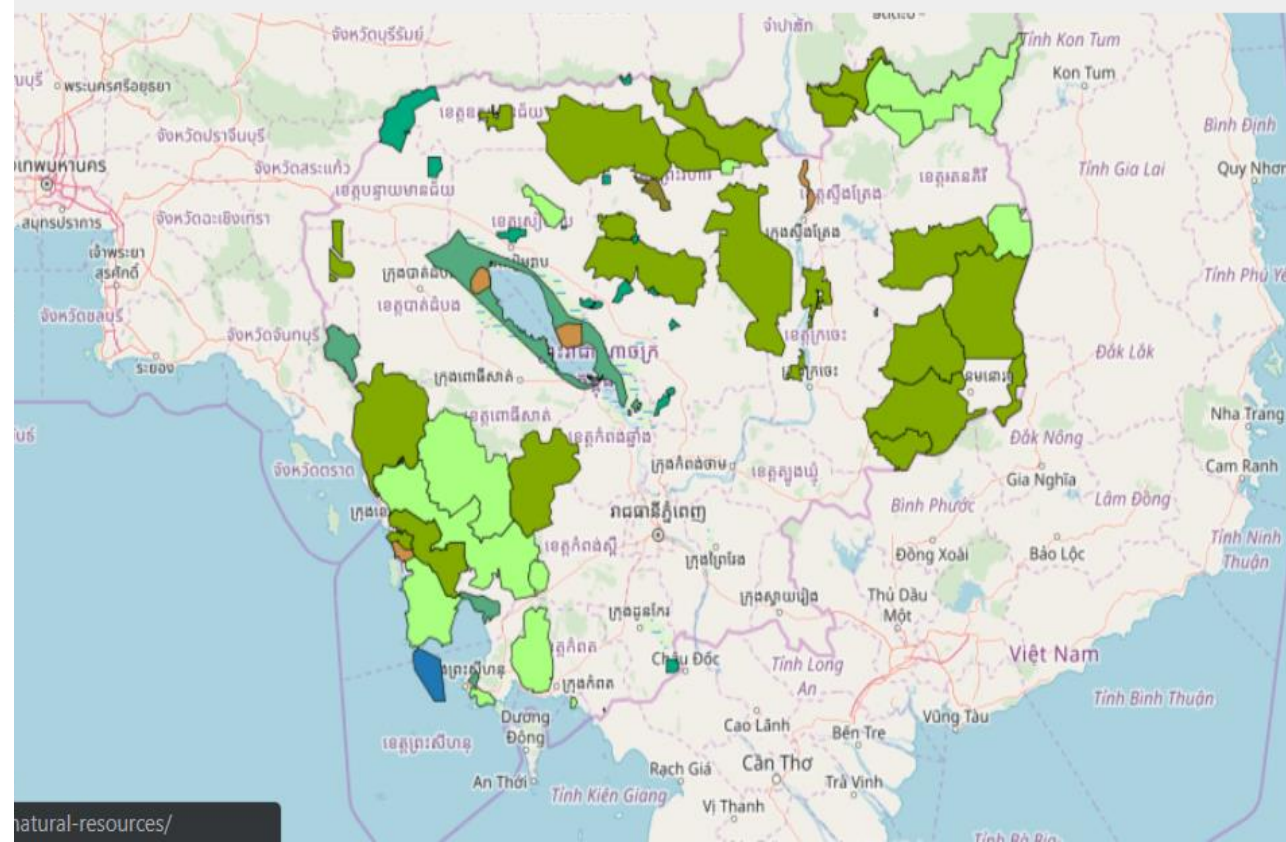
MAP LAYERS

- Forest cover
- Land cover
- Natural protected areas
 - ☐ Marine national park
 - ☐ Natural heritage site
 - ☐ Wildlife sanctuary
 - ☐ Ramsar site
 - ☐ Protected landscape
 - ☐ National park
 - ☐ Multiple Use Management Area
 - ☒ All natural protected areas

EXTRACTIVE INDUSTRIES

GOVERNMENT

HYDROLOGY



Environment and natural resources

- Water resources
- Environment and natural resources policy and administration
- Environmental impact assessments
- Overview of policy and legal framework
- Forests and forestry
- Climate change
- Carbon trading and other Payments for Ecological Services (PES)
- Environmental and biodiversity protection
- Pollution and waste
- Biodiversity
- Ecological services

Text search

Search for title or other attributes

Topic

All

Content type

All

Document type

All

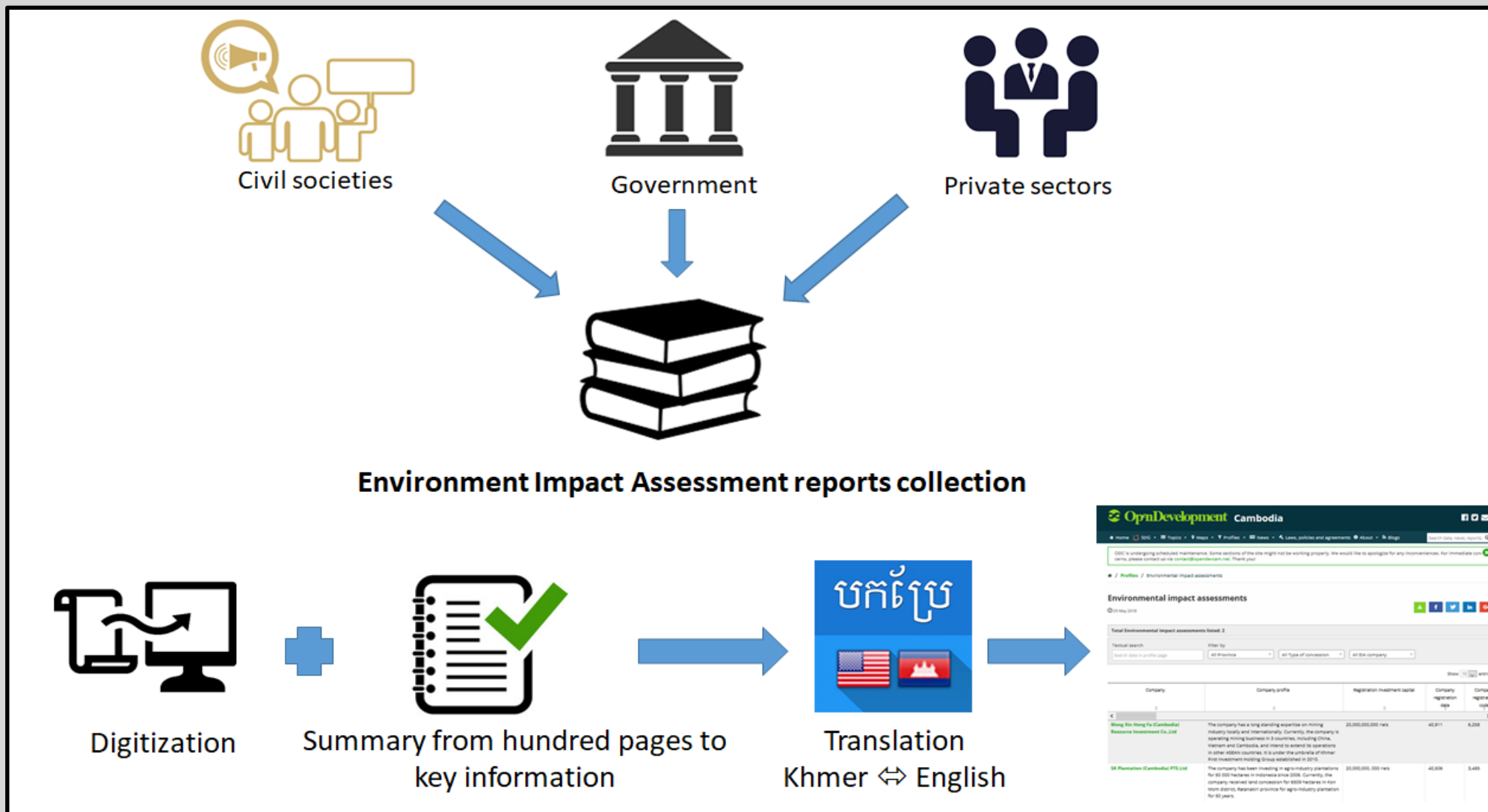
Search



Show 100 entries

Title	Document type	Document number	Promulgation date	Download
LAWS				
Sub-Decree No. 42 on the air pollution control and noise disturbance	Sub-decree	42 ANK.BK	07/10/2000	
Law on Water Resource Management of the Kingdom of Cambodia	Law	NS/RKM/0607/016	06/29/2007	
Sub-Decree No. 27 on Water Pollution Control	Sub-decree	27 ANK.BK	04/06/1999	
Sub-Decree No.72 on the Environmental Impact Assessment Process	Sub-decree	72 ANK.BK	08/11/1999	
Royal Decree No. 1106 on the downsizing of 576.35 hectares of land from Botum Sakor National Park and Tatai Wildlife Sanctuary	Royal decree	1106	11/28/2017	
Sub-decree No 129 on the establishment of Sambor Wildlife Sanctuary	Sub-decree	129	10/05/2018	
Sub-decree No 128 on the establishment of Preaek Prasab Wildlife Sanctuary	Sub-decree	128	10/05/2018	
Prakas No.087 on Land Development	Proclamation	87	05/11/2018	
Law on Environmental Protection and Management of Natural Resources	Law	NS/RKM/1296/06	12/24/1996	
Law on Investment of the Kingdom of Cambodia	Law	Not found	08/05/1994	
Law on Disaster Management	Law	NS/RKM/0715/007	07/10/2015	
Law on Fishery	Law	NS/RKM/0506/011	05/21/2006	
Law on Community Agriculture	Law	NS/RKM/0613/008	06/09/2013	
Law on Natural Protected Areas	Law	NS/RKM/0208/007	02/15/2008	

EIA data on ODC's website



Environmental impact assessments

29 May 2018



Textual search

Search data in profile page

Filter by

All Province

All Type of concession

All EIA company

Show 10 entries

Company	Company profile	Registration investment capital	Company registration date	Company registration code
Meng Xin Hong Fa (Cambodia) Resource Investment Co.,Ltd	The company has a long standing expertise on mining industry locally and internationally. Currently, the company is operating mining business in 3 countries, including China, Vietnam and Cambodia, and intend to extend its operations in other ASEAN countries. It is under the umbrella of Khmer First Investment Holding Group established in 2010.	20,000,000,000 riels	40,911	6,258
SK Plantation (Cambodia) PTE.Ltd	The company has been investing in agro-industry plantations for 50 000 hectares in Indonesia since 2006. Currently, the company received land concession for 6509 hectares in Kon Mom district, Ratanakiri province for agro-industry plantation for 50 years.	20,000,000, 000 riels	40,506	3,485

Completed environmental and social impact assessment report (EIA) for copper mining project in Khvav commune, Chi Kraeng district, Siem Reap province

Completed environmental and social impact assessment report (EIA) for copper mining project in Khvav commune, Chi Kraeng district, Siem Reap province

Artisanal mining Copper Extractive industries

Meng Xin Hong Fa (Cambodia) Resources Investment Co. Ltd. is under the umbrella of Khmer First Investment Holding Group established in 2010. This report is to study the environmental and social impact [More...](#)

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Resources



EIA report for Meng Xin Hong Fa (Cambodia) Resources Investment Co. Ltd. [Part 1]

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EIA report for Meng Xin Hong Fa (Cambodia) Resources Investment Co. Ltd. [Part 2]

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EIA report for Meng Xin Hong Fa (Cambodia) Resources Investment Co. Ltd. [Part 3]

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Related laws

[Law on Mineral Resource Management and Exploitation](#)

[Decision on Authorizing Chong San Ocean Development Co., Ltd. to Conduct Construction Sand Exploitation in Kampong Cham](#)

[Decision on the Amendment of the Petroleum Regulation 1991](#)

Related datasets

[Assessment of undiscovered copper resources in Cambodia](#)

[Oil and gas blocks in Cambodia \(2007-2014\)](#)

Let's watch a short clip!

It explains about the Environmental Impact Assessment (EIA) and what ODC is doing with that....



Thank you for your attention!