

Open Data: Adding Value by Matching Access with Privacy and Security

Legislative and institutional environment

**Institutionalising interoperability: integrating
official statistics and open data**

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The Joined-Up Data Standards project



more specifically

SUSTAINABLE DEVELOPMENT GOALS

Target 4.1: By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes

Indicator 4.1.1: Proportion of children and young people: (a) in grades 2/3, (b) at the end of primary, and (c) at the end of lower secondary achieving at least a minimum proficiency level in (i) reading and (ii) mathematics, by sex

more specifically



Primary School Enrolment by County, 2007 – 2012

more generally

Machine- and human-readable map!

more generally



Indicator	2012	2013
112.1.1.6: Basic Education, Total	51,876	52,523
11200: Primary education	45,136	45,281
11200: Basic life skills for youth & adults	1,621	1,521
11200: Early childhood education	8,839	8,214

exactly the same

Medium Term Expenditure Framework

CLASSIFICATION OF EXPENDITURE BY SECTOR AND/OR GROUP | SECTOR CLASSIFICATION BY BUSINESS DEPARTMENT/INSTITUTE OF THE GOVERNMENT (CSP/D)

Education	Education	104 - State Department of Education
		102 - State Department for Science and Technology
		103 - Teachers Service Commission

exactly the same

2012-2013 Medium Term Expenditure Framework

CLASSIFICATION OF EXPENDITURE BY SECTOR AND/OR GROUP

ESTIMATE of the amount resource in the year ending 30th June, 2013 for the State Department for Basic Education, for capital expenditure.

National Government Expenditure

SECTOR/INDUSTRY	Indicator: 112.1.1.6			
	Expenditure (KSh 000)		Percentages	
	2012	2013	2012	2013
001-001000 National Administration & Public Services	12,000,000	12,000,000	23.13%	22.86%
001-002000 National Government Programme	170,000,000	170,000,000	324.87%	324.87%
001-003000 Capital Expenditure	30,000,000	30,000,000	57.83%	57.83%
001-004000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-005000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-006000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-007000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-008000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-009000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-010000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-011000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-012000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-013000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-014000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-015000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-016000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-017000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-018000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-019000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-020000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-021000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-022000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-023000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-024000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-025000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-026000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-027000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-028000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-029000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-030000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-031000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-032000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
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001-049000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
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001-053000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-054000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
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001-073000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-074000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-075000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-076000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-077000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-078000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-079000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-080000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-081000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-082000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-083000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-084000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-085000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-086000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-087000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-088000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-089000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-090000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
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001-092000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-093000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-094000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-095000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-096000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-097000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-098000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-099000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%
001-100000 National Government Programme	1,000,000	1,000,000	1.93%	1.93%

more specifically



- <sector code="11220" percentage="40" vocabulary="DAC">
<narrative>Primary education</narrative>
</sector>

Overview

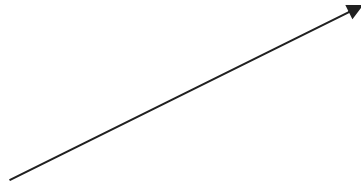
1. Global Action Plan for Sustainable Development Data, Open Data Charter, Data on the Web Best Practices & Fundamental Principles
2. www.decide.la – “designed to facilitate sharing and integration of official data and information among sectors and administrative levels.”
3. Practicalities to consider when integrating official statistics and other data at a national level

Updating principles

Fundamental Principles for Official Statistics



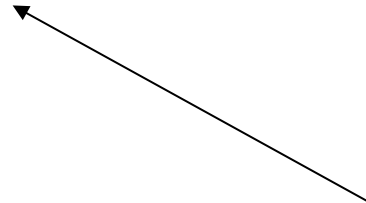
Handbook of Statistical Organisations + NSDSs



GAPDSS



Open Data Charter



Data on the
Web Best
Practices

Translating principles into practice: an e.g. from Laos

The screenshot displays the Lao DECIDE GIS web application interface. The browser address bar shows `decide.la/en/gis`. The page title is "Lao DECIDE info GIS". The main toolbar includes icons for Print, Query Builder, Attribute Table, Download, Select, Freehand Select, Unselect, Zoom Selection, and a search icon. The "Selected Layers" panel on the left lists the following layers:

- Form of Investment
- Ethno-linguistic family Lao-Tai
- Married population > 15 years
- Married population > 15 years
- Population density
- District boundaries

The "Catalog" panel on the left lists the following data sources:

- Population Census 2005
- Agricultural Census 2011
- ODA Ministry of Agriculture and Forestry 2013
- Land Concessions 2010
- ODA Ministry of Education 2014

The main map area shows a map of Laos with various data layers overlaid. A scale bar indicates 100 km and 100 mi. The data source is cited as "Data © Department of Statistics, Department of Natural Resources and Environment".

Considerations when turning principles into practice

Principles:

- Integration of GAP, ODC & DWBP into Handbook & NSDSs
- Expansion of the definition of NSS to incorporate all data producers at a national level as per: *Common Cause, common language: harmonising key concepts in the data revolution*, Bernard Sabiti, Development Initiatives, January 2017

Practicalities:

- Clear terms of use and data policy
- Capturing the 'essence' of openness, not just the technicalities, trial & error is how progress is achieved

Thank You!

[*juds.joinedupdata.org*](https://juds.joinedupdata.org)

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