



OpenSpending

The Open Fiscal Data Package

Fiscal Transparency Portals Workshop
Jakarta, September 13-14, 2016

PRESENTED BY

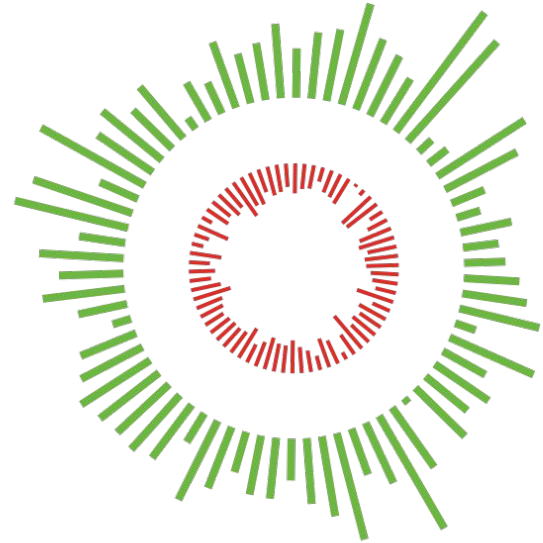
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Open Knowledge International

Non-profit founded in 2004

A worldwide network of people passionate about openness, using advocacy, technology and training to unlock information and enable people to work with it to create and share knowledge.



OPEN KNOWLEDGE
INTERNATIONAL

OpenSpending

A project by Open Knowledge International

OpenSpending is a community-driven project creating the world's largest high quality database of public finances, providing easy fiscal data search, upload, analysis and visualisation.



What runs OpenSpending?

A solid core Budget Data Model and Structure

- **Challenge:** Data comes in different shapes and sizes
- **Solution:** Create a new specification for publishing fiscal data that:
 - Allows scaling and automating
 - Aggregates (allows looking into how much is planned and spent per sector)
 - Allows search in the databases
 - Helps analyse and visualize fiscal data
- **Result:** The Fiscal Data Package

OFDP at the core of OpenSpending

In the result of a collaboration with the Global Initiative for Fiscal Transparency (GIFT) and the World Bank (BOOST platform), we developed an Open Fiscal Data Package as a **Fiscal Data Standard** to be used at a broader scale, as a **global tool for publishing budget information in open data formats**

The Open Fiscal Data Package serves two main purposes

- a. **To standardize** the structure and the content of data so that tools and services can be built over it for visualization, analysis or comparison
- b. **To drive data quality** by providing a solid framework of publication

The Open Fiscal Data Standard

aims to ensure:

- Usability and reusability of budget data by and for national and subnational government units
- Adaptability to developing country contexts
- Worldwide acceptance of the data

We trial the specification as we develop it:

- 1 - Improving our prototype, integrating suggestions and comments as we trial
- 2 - Updating the specification based on that feedback and learning
- 3 - Improving existing tools based on the specification (aggregation, visualization and comparison)

How?

1. Partnership with the World Bank and BOOST project
2. The OpenSpending team at Open Knowledge International provides technical assistance to run and supports pilots of the specification
3. GIFT is facilitating and coordinating the collaborative work of the World Bank's BOOST team and Open Knowledge International

OpenSpending is a community-driven project

<https://discuss.okfn.org/c/openspending>

The code is Open Source and open to the public

- Documentation website:

<http://fiscal.dataprotocols.org>

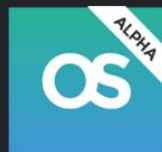
- Available for comments and suggestions

<https://github.com/openspending/fiscal-data-package/>

OpenSpending Next

During 2015-2016 the OpenSpending platform has been revamped to be based on the OFDP

<http://next.openspending.org>



Next

OpenSpending is back after months of hard work, and we're super happy and excited to release the alpha version of OpenSpending Next. OS Next will help you to easily publish your budget data in a standard format, and create multiple visualisations.

Give it a try!

Take your budget data to the next level



A Simple Import Tool

Upload your CSV file in a few clicks with a simplified workflow.



SPEC

Fiscal Data Package

A simple, open technical specification for government budget and spending data.



A Data Modeller

Edit and map your budget data to enable the power of filters and visualisations.



Visualisation Framework

Treemaps, pie charts, bar charts, geolocation, line charts, tables, you name it!



New API

Build powerful apps and connect external data to your budget file.



Embed Visualisations

Share and embed any visualisation in your website or portal!

App for visualising Fiscal Data Packages

- [OpenSpending Packager](#)
- [OpenSpending Viewer](#)

OS Packager

A tool to upload any Fiscal (Budget/Expenditures/Both) CSV file

<http://next.openspending.org/packager>

OS Packager

LOGIN / REGISTER EN

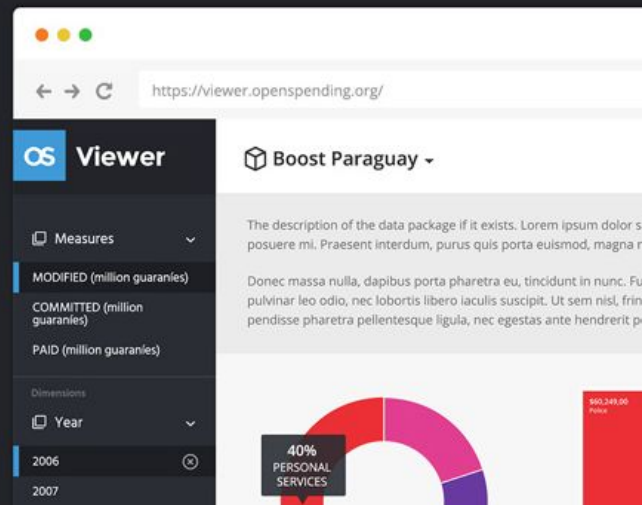
D	E	F	G
CATEGORY	Amount	Expense/Revenue	Fund Category
Employee Servi	3435866	E	General Fund
Intergovernmen	83169	R	General Fund
Labor/Supply O	-1,564,995	E	General Fund
Other Services	492026	E	General Fund
Property	2010	E	General Fund
Labor/Supply O	1221495	E	General Fund
Labor/Supply O	344000	E	Internal Service F
Employee Servi	2050087	E	General Fund
Labor/Supply O	-1,098,950	E	General Fund
Other Services	554395	E	General Fund
Property	16826	E	General Fund
Labor/Supply O	1103006	E	General Fund
Employee Servi	6067305	E	General Fund

Get your data ready for OSViewer

Create a data package in 5 minutes

How it works

Get Started



OS Packager

Step 1: Upload a CSV file

OS Packager [Fiscal Data Package Spec](#) [Explore Datasets](#) [Login / Register](#)

OSViewer compatibility

1 — 2 — 3 — 4

Provide your data

Provide a CSV file containing fiscal data

Upload a file or

i Waiting for file or URL...



Need help? Check out the guides on our community site

OpenSpending Community

OS Packager

Step 2: Map the budget data with the model

OSViewer compatibility

1 — 2 — 3 — 4

Describe your data

Map as accurately as possible columns of your file to data types

Annee

2015
2015
2015

Title

Annee

DataType

Titre Code

1
1
1

Title

Titre Code

DataType

OS Packager

Step 3: Provide metadata

OSViewer compatibility

1 2 3 4

Provide metadata

Name your data-set and provide metadata for better indexing

Provide a Human readable name for your Data Package

Choose a unique identifier for this data-set
(This will overwrite any previous data-set you published with the same unique ID)

lowercase letters, numbers and "-", "_", "." only. no spaces allowed!

Short description

Continent

Country

City

Period

OS Packager


Step 4: Publish the data


1 — 2 — 3 — 4


OSViewer compatibility


Confirm and Publish

Publish your data for in-depth visualizations and analysis

 **Cameroon budget 2016** (cameroon-budget-2016)
A file containing Cameroon budget 2016

 cameroon-2016 (cameroon-2016.csv)

 {"start":"2015-01-01","end":"2015-12-31"}

 af, CM

Column Mapping

Depenses_realisees: cameroon-2016 / Depenses realisees	date: cameroon-2016 / Annee
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[Download](#) [Publish this Data Package](#)

OS Viewer

A tool to visualise the
uploaded Fiscal
Datasets

<http://next.openspendi.org/viewer/>

The screenshot displays the OS Viewer interface for a dataset named 'Boost Paraguay'. The interface includes a sidebar with filters for Measures, Dimensions, and Year. The main area shows a treemap visualization of the data, with a table below it. The treemap is composed of several colored rectangles representing different categories and their values. The table below the treemap provides a structured view of the data, including columns for Year, Econ4, Econ5, Admin1, Admin2, Modified (million guaraníes), Committed (million guaraníes), and Paid (million guaraníes).

Measures

- MODIFIED (million guaraníes)
- COMMITTED (million guaraníes)
- PAID (million guaraníes)

Dimensions

- Year
 - 2006
 - 2007
 - 2008
 - 2009
 - 2010
 - 2011
 - 2012
 - 2013
- Admin1
- Admin2
- Econ4
- Econ5
- Group

Year

- Admin1
- Admin2
- Econ4
- Econ5

Boost Paraguay

The description of the data package if it exists. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam ut lacus velit. Pellentesque non posuere mi. Praesent interdum, purus quis porta euismod, magna mi congue tortor, nec convallis nisl mauris sit amet sem.

Donec massa nulla, dapibus porta pharetra eu, tincidunt in nunc. Fusce fringilla congue sodales. Nunc commodo elementum hendrerit. Morbi pulvinar leo odio, nec lobortis libero iaculis suscipit. Ut sem nisl, fringilla ac commodo id, ultricies et sapien. Duis pretium facilisis feugiat. Suspendisse pharetra pellentesque ligula, nec egestas ante hendrerit pellentesque.

Treemap

Remove this visualisation
Remove all visualisations

1,496
8
373
3
302
6
208
0
122
2
110
4
128
1

Remove this visualisation
Remove all visualisations

Treemap

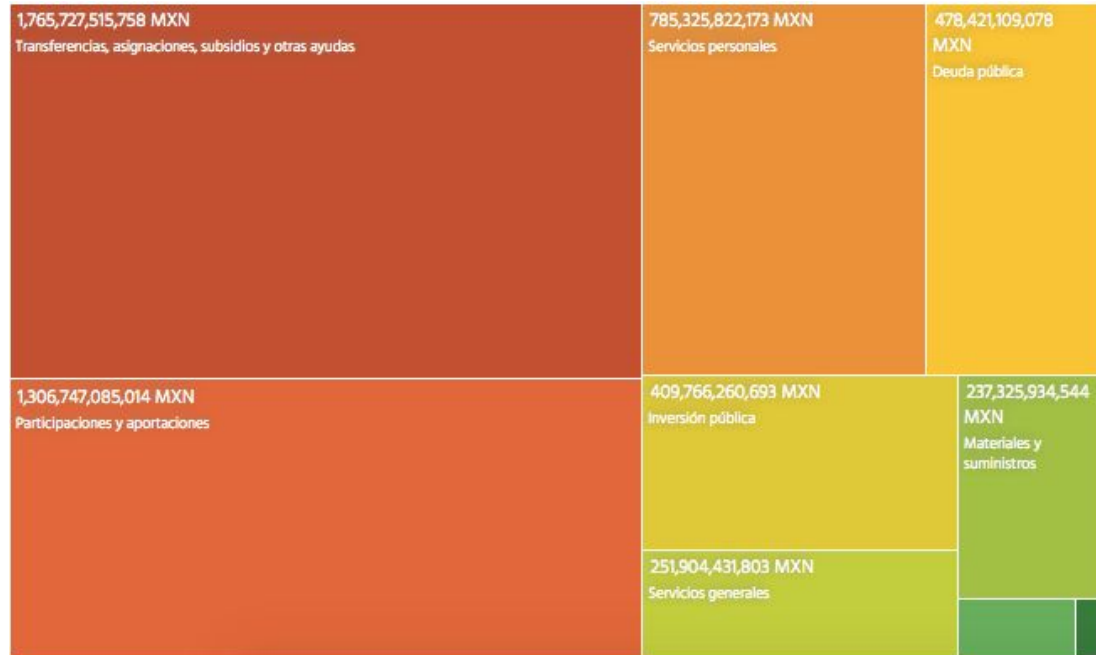
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus tempor ligula vel felis scelerisque suscipit. Phasellus et suscipit purus.

YEAR	ECON4	ECON5	ADMIN1	ADMIN2	MODIFIED (million guaraníes)	COMMITTED (million guaraníes)	PAID (million guaraníes)
2006	30 - MUNICIPALITIES	30.001 - ASUNCIÓN	100 - PERSONAL SERVICES	110 - BASIC COMPENSTION	169929	67532	67532
2006	30 - MUNICIPALITIES	30.001 - ASUNCIÓN	100 - PERSONAL SERVICES	110 - BASIC COMPENSTION	169929	67532	67532

OS Viewer Features

Set of Data Visualisations:

- Tree Map
- Pie Chart
- Bubble Tree
- Bar Chart
- Sankey Diagram
- Tables
- Line Chart
- Pivot Table
- Map



Dynamic, embeddable, interactive

Added value

An **online platform** accessible from anywhere, anytime

Data published in an open format

A powerful API to build other applications on top of it

Ability to work on improvements anytime on the existing tool

- Agility / Iterations
- Anyone can submit a feature request

Easily replicable in order to build Fiscal Transparency Country platforms

Help promote the Open Fiscal Data Standard to governments



MEXICO

1st COUNTRY TO FORMALLY
ADOPT THE **OPEN FISCAL
DATA PACKAGE**



Take a step forward:

Pilot candidates?

Are you interested in publishing
and visualizing your fiscal data?

Let us know:

<https://discuss.okfn.org/c/openspending>
victoria.vlad@okfn.org

Useful Links

Open Fiscal Data Package Documentation :

<http://fiscal.dataprotocols.org/>

OpenSpending Next

next.openspending.org

OpenSpending Public Chat

<https://discuss.okfn.org/c/openspending>

OpenSpending mailing list

<https://lists.okfn.org/mailman/listinfo/openspending>

Twitter: **@openspending**

Thank you