

The ePSI Platform Scoreboard in Depth

Submitted on 11 Feb 2016 by Martin Alvarez-Espinar

The [ePSI Scoreboard](#) is a ranking of countries based on indicators that measures the healthy of PSI re-use in the EU28 Member States. This scoreboard [was updated](#) in 2013 with the objective of making it fully crowdsourced and transparent.

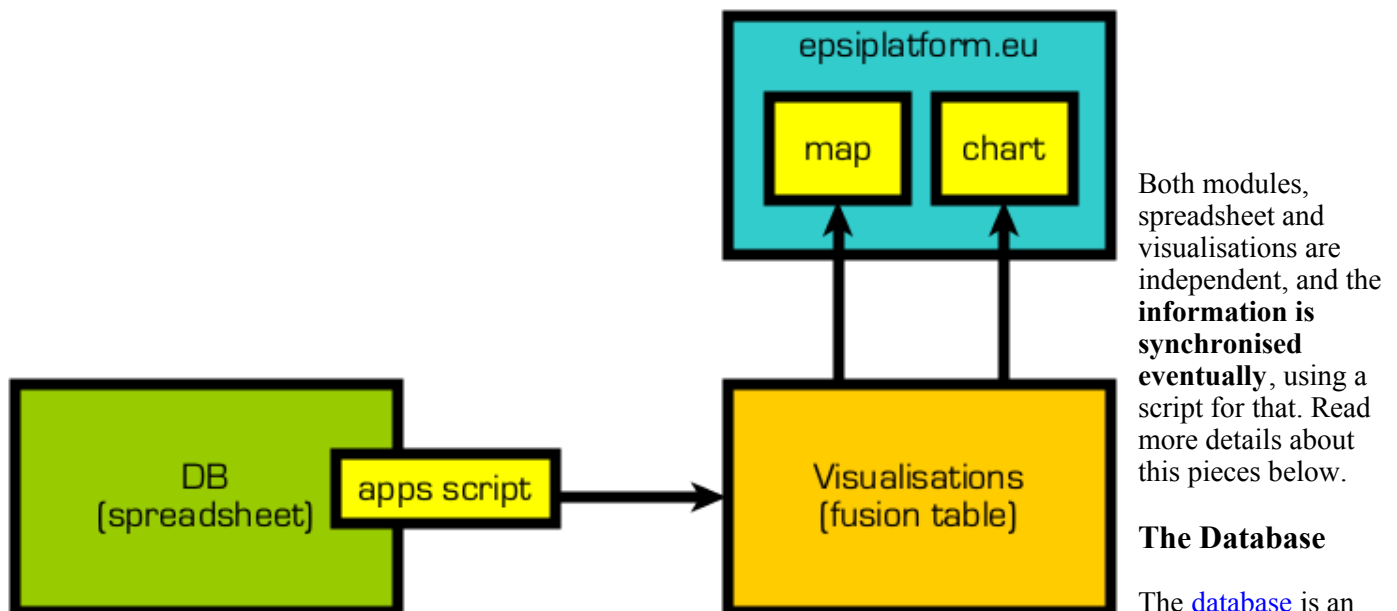
The update of the system also enabled new appealing visualisations, enabling the possibility to reuse them into external websites. Also, following the open data paradigm the database is completely open to the public. This post exposes the **ins and out of this popular tool**.

In brief, the [ePSI Scoreboard](#) is a ranking of countries based on indicators that measures the healthy of PSI re-use in the EU28 Member States. This tool [was updated](#) in 2013 with the objective of making it fully crowdsourced and transparent.

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The architecture

The ePSI Scoreboard has a simple architecture, composed of two main pieces: *database*, and *visualisation module*. The database is a [Google Sheet](#) that sends its information to the visualisation engine, a [Fusion Table](#) that allows us to include charts and maps in epsiplatform.eu.



The [database](#) is an open Google Spreadsheet that is visible to everyone. Anyone is able to comment on any cell, edition was restricted. Only [the ePSI Platform team members](#) had the permissions to change values in the different sheets of the document. The main reason for this was just to avoid spam.

The database has different sheets:

The first one, [Nations](#), contains an overview of the scoreboard, with all the Member states and their detailed scores. This sheet is protected and nobody can modify it. Values are automatically calculated through formulas that pick information from the country tabs.

ePSI Scoreboard Official Source

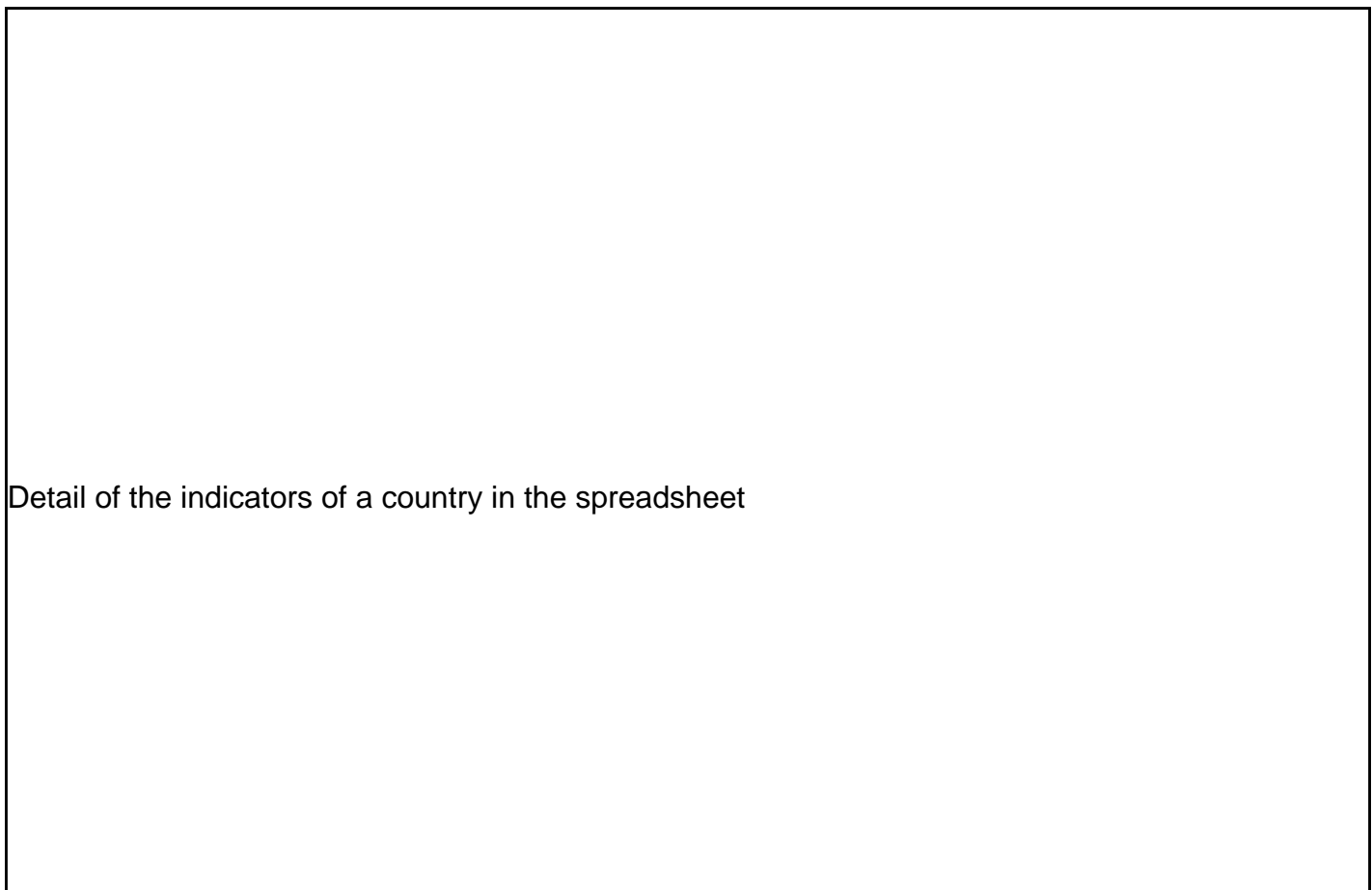
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Country

	A	B	C	D	E	F	G	H	I	J	K
1	Country	Type	Overall Score	Implementation of the PSI Directive	The practice of re-use	Formats	Pricing	Exclusiveness	Local PSI	Events and activities	Permalink: http://goo.gl/3P4DM
2	Austria	Member State	500	100	40	80	50	50	80	100	
3	Belgium	Member State	360	100	50	20	50	0	40	100	
4	Bulgaria	Member State	165	0	55	30	30	50	0	0	
5	Croatia	Member State	380	100	50	80	50	50	0	50	
6	Cyprus	Member State	365	100	65	50	100	50	0	0	
7	Czech Republic	Member State	310	100	30	20	30	50	0	80	
8	Denmark	Member State	440	100	40	50	100	50	40	60	
9	Estonia	Member State	380	0	100	70	100	50	0	60	
10	Finland	Member State	390	0	80	80	50	0	80	100	
11	Former Yugoslav Republic of	Candidate Member State	0								
12	France	Member State	435	0	85	50	50	50	100	100	
13	Germany	Member State	400	100	50	50	0	30	100	70	
14	Greece	Member State	520	100	100	80	80	50	40	70	
15	Hungary	Member State	300	100	50	50	30	0	40	30	
16	Iceland	Candidate Member State, EFTA-State	0								
17	Ireland	Member State	405	0	85	50	80	50	40	100	
18	Italy	Member State	485	100	55	50	30	50	100	100	
19	Latvia	Member State	315	100	35	0	100	50	0	30	
20	Liechtenstein	EFTA-State	0								
21	Lithuania	Member State	180	0	50	20	30	50	0	30	
22	Luxembourg	Member State	135	0	35	20	30	50	0	0	
23	Malta	Member State	335	100	55	80	50	50	0	0	
24	Montenegro	Candidate Member State	0								
25	Norway	EFTA-State	0								
26	The Netherlands	Member State	505	100	55	50	50	70	80	100	
27	Poland	Member State	370	0	70	50	80	50	40	80	
28	Portugal	Member State	260	0	70	50	30	50	0	60	
29	Romania	Member State	435	100	55	30	100	50	0	100	
30	Slovakia	Member State	280	0	20	70	50	50	40	50	
31	Slovenia	Member State	170	0	70	20	80	0	0	0	
32	Spain	Member State	550	100	70	100	30	50	100	100	
33	Sweden	Member State	305	100	35	0	80	50	40	0	
34	Switzerland	EFTA-State	0								
35	Turkey	Candidate Member State	0								
36	United Kingdom	Member State	585	100	85	100	30	70	100	100	
37											
38	Average Country	NO STATE		60.71	58.57	50.00	56.07	43.57	37.86	59.64	
39	Maximum value			100	100	100	100	70	100	100	
40											

The second, **Framework**, contains a template with all indicators and sub-indicators, with the specific rationale for each one. This tab acts as self-documentation of the PSI Scoreboard database.

There are **other 28 tabs** —one per EU Member State— with the same indicators detailed in the Framework but with values relative to each country. Scores referred to indicators must be justified with a proof (URL or reference).



Detail of the indicators of a country in the spreadsheet

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The Visualisations

The database is visualised on various intuitive maps and charts. Countries and their scores are represented through different visualizations mechanisms of Google Fusion Tables.

The scores shown in the *Nations* tab of the spreadsheet are copied into a fusion table that will serve the visualisations embedded within epsiplatform.eu.

ePSI Scoreboard Visualization

Scoreboard to measure the health of Open Data and PSI reuse in the EU28 Member States.
[ePSI Platform Scoreboard - Source Data](#) - Edited at 10:56 AM

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Country	Overall Score	Implementation ...	The practice ...	Formats	Pricing	Exclusive arr...	Local PSI	Events and a...	Region
Austria	500	100	40	80	50	50	80	100	Western Europe
Belgium	360	100	50	20	50	0	40	100	Western Europe
Bulgaria	165	0	55	30	30	50	0	0	Eastern Europe
Croatia	380	100	50	80	50	50	0	50	Southern Europe
Cyprus	365	100	65	50	100	50	0	0	Southern Europe
Czech Republic	310	100	30	20	30	50	0	80	Eastern Europe
Denmark	440	100	40	50	100	50	40	60	Northern Europe
Estonia	380	0	100	70	100	50	0	60	Eastern Europe
Finland	390	0	80	80	50	0	80	100	Northern Europe
France	435	0	85	50	50	50	100	100	Western Europe
Germany	400	100	50	50	0	30	100	70	Western Europe
Greece	520	100	100	80	80	50	40	70	Southern Europe
Hungary	300	100	50	50	30	0	40	30	Eastern Europe
Ireland	405	0	85	50	80	50	40	100	Northern Europe
Italy	485	100	55	50	30	50	100	100	Southern Europe
Latvia	315	100	35	0	100	50	0	30	Eastern Europe
Lithuania	180	0	50	20	30	50	0	30	Eastern Europe
Luxembourg	135	0	35	20	30	50	0	0	Western Europe
Malta	335	100	55	80	50	50	0	0	Southern Europe
Poland	370	0	70	50	80	50	40	80	Eastern Europe
Portugal	260	0	70	50	30	50	0	60	Southern Europe
Romania	435	100	55	30	100	50	0	100	Eastern Europe
Slovakia	280	0	20	70	50	50	40	50	Eastern Europe
Slovenia	170	0	70	20	80	0	0	0	Western Europe
Spain	550	100	70	100	30	50	100	100	Southern Europe
Sweden	305	100	35	0	80	50	40	0	Northern Europe
The Netherlands	505	100	55	50	50	70	80	100	Western Europe
United Kingdom	585	100	85	100	30	70	100	100	Northern Europe

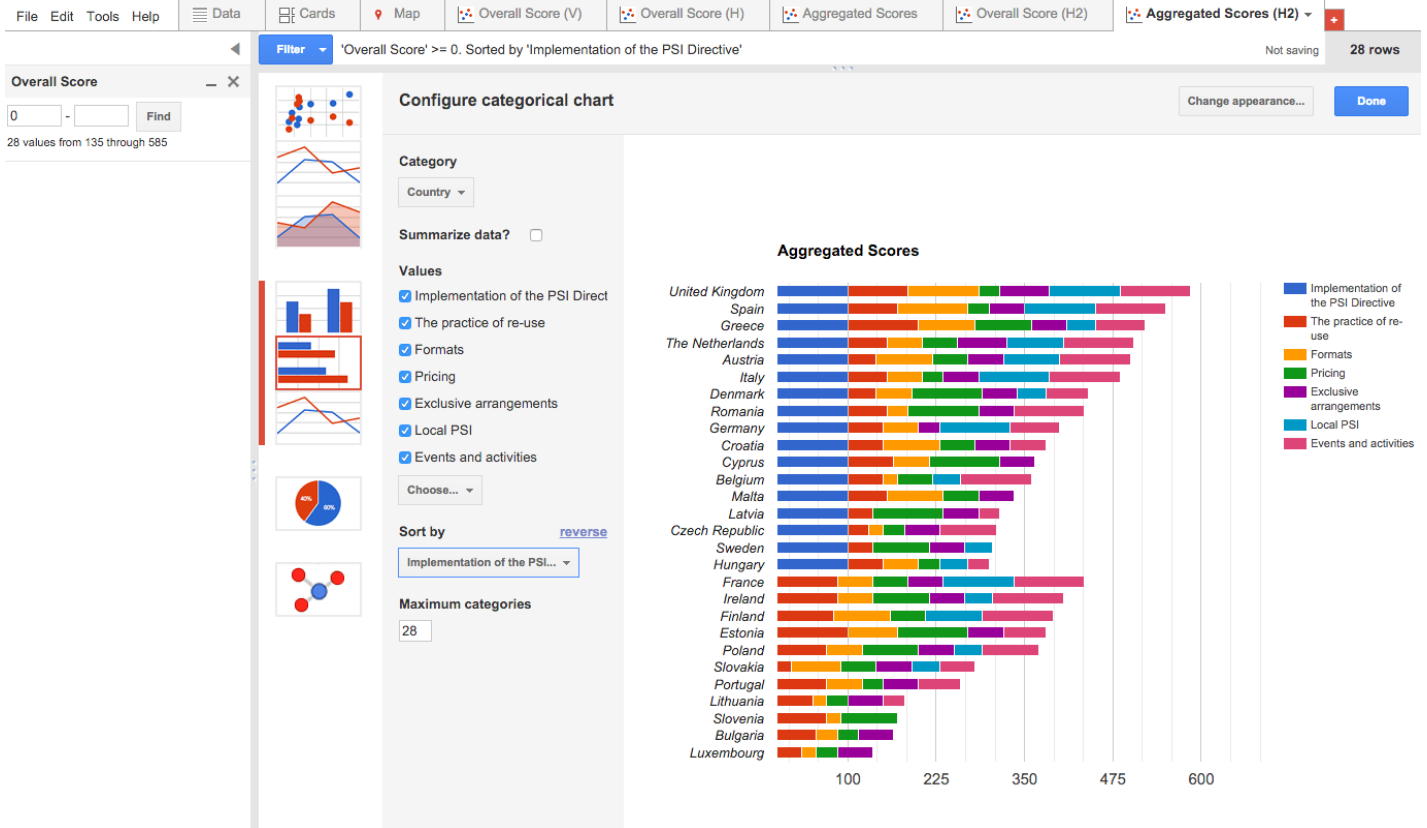
This fusion table does not allow modifications and contains the same information present in the original database. The script executed after updating the database keeps the values updated in the fusion table, and subsequently, its visualisations.

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Script to update the visualisations

As soon as the administrator modifies the country scores in the database, these new values are sent to the fusion table in order to update the visualisations. Both tables (spreadsheet nations overview and fusion table) are synchronised using an [apps script](#) on the original spreadsheet.

This script creates an additional button, named *ePSI Platform*, in the main menu of the spreadsheet. This button is only available for users with the administration role, and will trigger the update of the fusion table.

In case you want to learn more about this script, see the [full code](#) or ask me for more details.