Delivering Public Sector Information policy from local to global

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Advisor to the European Public Sector Information Platform

International Conference "Open Access: Research-Education-Public Data"
National Hellenic Research Foundation
Athens, 17th December 2010
Implementing policy across a multi-level political system

United Nations

OECD

European Union

Member State

Federal

Local

Elected Politicians

The lead policy implementation level

Open Government Data movement main sphere of influence
Public Sector Information is very broad and embraces many types and categories of data and information.

Public Sector Information is held by many different public sector bodies at different layers of government.

Public Sector Information involves a large number of public sector employees that are constantly flowing through the system.

The structure of the public sector is dynamic.

With the above in mind SIMPLE FLEXIBLE POLICIES are proven to be the most effective.
Modelling the PSI re-use framework

- **Government (Political – elected)**
- **Policy**
- **Supply side (Public Sector)**
- **Data Supply side (Private Sector & Civil Society)**
- **Demand side**
  - Not commercial
  - Commercial

Includes substitute data
Modelling the PSI re-use framework

Directive 2003/98/EC & MS transposition

Supply side (Public Sector)

Flow Control

Data Flow

Conditions

Access permitted?
Use permitted?
License
Acquisition cost
(Fee levied? Discovery
Data conversion
Negotiations needed?)

Needs to be transparent to operate!

Data flow maximised when (Access is permitted + All uses permitted + Free + No License + no intermediaries)
Data flow reduced when (Access sometimes permitted + Some uses permitted + Fee levied + License needed)
No data flows when (Access is not permitted (or) Fee levied is too high (or) The conditions for use are too onerous)

www.epsiplatform.eu
Directive 95/46/EC
Directive 2003/98/EC
Directive 2007/2/EC

All Directives listed appertain:
- to data either access too or use of;
- to all parts of society

AND
- reflect the time they were first drafted
- drafting builds on earlier Directive (learning from the experience of implementation)

Within Member States the lead public body and the regulator is different for one or more of the Directives listed.

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Public Sector Information Re-use: a Global perspective

Global: % of Countries adopted a public sector information re-use policy

- No policy: 78%
- Legal Framework: 17%
- Guidance: 5%

World population covered by PSI re-use policy (Billions)

- Population no policy: 5.542
- Population with policy: 1.277
Public Sector Information Re-use: a Global perspective

Global adoption of Public Sector Information re-use Policy

- World: 78%
- EU&EFTA&OECD CD 13%
- EU only: 4%
- OECD only: 5%

Adoption of PSI Re-use policy by Global Regions or Economic Groups

- Adopted: 22%
- Not Adopted: 78%
<table>
<thead>
<tr>
<th>Anniversary</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>21&lt;sup&gt;st&lt;/sup&gt;</td>
<td>PSI re-use guidelines were adopted in the European Union</td>
</tr>
<tr>
<td>10&lt;sup&gt;th&lt;/sup&gt;</td>
<td>March 2000, Lisbon Treaty – The Knowledge Economy by 2010!</td>
</tr>
<tr>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>PSI re-use Directive came into force in the European Union</td>
</tr>
<tr>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>PSI re-use Directive came into force in Member States</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>OECD PSI Policy Principles adopted</td>
</tr>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>Commission Communication on the implementation of the Directive</td>
</tr>
</tbody>
</table>

As at 17<sup>th</sup> December 2010
Overview of European and OECD timeline of PSI actions

1st Decade: (1989-1998)
Much talk but little action!

2nd Decade (1999-2008):
Set of laws put in place, a lot of action, awareness raised, but a number of stubborn issues persist, review completed.


Europe has implemented the PSI Framework

OECD in parallel
Member States such as New Zealand & Australia acting on OECD policy

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Monitoring of PSI – Re-use within Europe

European Commission
Almost 9 years continuous monitoring
2002 through to 2011

**Past - Completed**

- **ePSINet (Monitoring EU15)**
  1 August 2002 to 31 January 2005 (30 months)
  - Athens hosted final conference
  - January 2005

- **ePSINetCee (Monitoring EU10)**
  1 March 2004 to 30 September 2005 (18 months)

- **ePSIplus (Monitoring EU27)**
  1 September 2006 to 28 February 2009 (30 Months)

- **50 Reports published,**
  **400+ presentations published**
  **1300+ news items posted**

**Current**

- **European Public Sector Information Platform**
  1 March 2011 to 28 February 2011 (24 Months)

**Future**

- **COMPETITIVENESS AND INNOVATION FRAMEWORK PROGRAMME (CIP) ICT POLICY SUPPORT PROGRAMME ICT PSP WORK PROGRAMME 2010.**
  8 August 2010 - A public tender announced for the Follow up to the PSIplatform

- **European Public Sector Information Platform**
  1 March 2011 to 28 February 2013 (24 Months)

- **Note: 2014 – end of an EU cycle – Parliamentary elections, end of Commission**
The European Public Sector Information Platform

The PSI Re-use framework is predicated on TRANSPARENCY

www.epsiplatform.eu
New from Sydney University Press

Access to public sector information: law, technology & policy

Volume 1 & 2, edited by Brian Fitzgerald

On the back of the growing capacity of networked digital information technologies to process and visualise large amounts of information in a timely, efficient and user-driven manner we have seen an increasing demand for better access to and re-use of public sector information (PSI). The story is not a new one. Share knowledge and together we can do great things; limit access and we reduce the potential for opportunity.

The two volumes of this book seek to explain and analyse this global shift in the way we manage public sector information. In doing so they collect and present papers, reports and submissions on the topic by leading authors and institutions from across the world. These in turn provide people tasked with mapping out and implementing information policy with reference material and practical guidance.

Volume 1 draws together papers on the topic by policymakers, academics and practitioners while Volume 2 presents a selection of the key reports and submissions that have been published over the last few years.

Sydney University Press • Fisher Library, Level 5 • The University of Sydney NSW 2006
sydney.edu.au/sup • sup.info@sydney.edu.au • ph: +61 2 9352 9958 • fax: +61 2 9114 0620

You can order online at:
Vol.1 http://purl.library.usyd.edu.au/sup/9781920899394
Vol.2 http://purl.library.usyd.edu.au/sup/9781920899509
Two-vol. set http://purl.library.usyd.edu.au/sup/9781920899547

Includes: OECD & Countries: Australia, New Zealand, Netherlands, UK, USA
Literature Review includes:

- Australia
- Canada
- Europe
- International
- New Zealand
- USA

Published 2009 by

QUT, Brisbane, Australia
## EU commitment to the PSI re-use framework since May 2009

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 November 2009</td>
<td>The Visby Declaration</td>
</tr>
<tr>
<td>18 November 2009</td>
<td>Malmö Ministerial Declaration on 21st century Europe</td>
</tr>
<tr>
<td>19 April 2010</td>
<td>Granada Ministerial Declaration on the European Digital Agenda</td>
</tr>
<tr>
<td>19 May 2010</td>
<td>European Commission publishes the Communication on the Digital Agenda</td>
</tr>
<tr>
<td>26 May 2010</td>
<td>Creating an innovative Europe 3016th COMPETITIVENESS Council meeting</td>
</tr>
<tr>
<td>3 Dec 2010</td>
<td>Telecoms Council invites the Commission to propose by 2012 a revision of the Re-use of Public Sector Information (PSI) Directive, taking into account the results of the public consultation and, making, where appropriate, public sector data easily available as a resource for innovation.</td>
</tr>
</tbody>
</table>

As at 17th December 2010

*The EU at the macro policy level is still committed to exploiting public sector information*
The European Commission 5th Ministerial eGovernment Conference: (Malmö, Sweden on the 18th November 2009)

The importance of the re-use of PSI was endorsed and re-iterated. (Almost 10 years since the March 2000, Lisbon Treaty)

Under paragraph 11 of the Declaration, public administrations should therefore:

“Increase availability of public sector information for re-use. We will increase availability of public sector information for reuse, in accordance with the spirit of and the conditions established by Public Sector Information Directive 2003/98/EC. We will encourage the reuse of public data by third parties to develop enriched services that maximise the value for the public. New demand-led information products and services enabled by the reuse of public sector information will support the transition of Europe to a knowledge-based economy.”


Section 2.1.3. *Re-use of Public Sector Information* states:

- 2011 Member States will agree on a common set of PSI re-use indicators.

- 2011 The Commission will conduct a study to assess to what extent open data catalogues and/or PSI portals (e.g. data.gov.uk) have been developed and implemented by Member States.

- 2011-2013 The Commission will facilitate exchanges of good practice and awareness-raising activities and will adopt its own internal PSI re-use strategy based on a review of the PSI Decision.

- 2011-2012 The Commission will review the PSI Directive, as indicated in the Digital Agenda for Europe, and will consider the possibility of an extended strategy for European PSI.
## Global: United Nations E-Government Surveys

<table>
<thead>
<tr>
<th>Year</th>
<th>Mentions “open data”</th>
<th>Mentions “data sharing”</th>
<th>Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>No</td>
<td>No</td>
<td>Stage 1 Emerging information services</td>
</tr>
<tr>
<td>2004</td>
<td>No</td>
<td>No</td>
<td>Stage 2 Enhanced information services</td>
</tr>
<tr>
<td>2005</td>
<td>No</td>
<td>No</td>
<td>Stage 3 Transactional services</td>
</tr>
<tr>
<td>2008</td>
<td>No</td>
<td>Yes</td>
<td>Stage 4 Connected services</td>
</tr>
<tr>
<td>2010</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

[http://www2.unpan.org/egovkb/global_reports/index.htm](http://www2.unpan.org/egovkb/global_reports/index.htm)

www.epsiplatform.eu
Chapter 1: Stimulus funds, transparency and public trust

Section 1.3.2 The Economics of open data (Pages 17 & 18)

Regional Group: Ranking

Europe: 0.6227
Americas: 0.4790
Asia: 0.4424
Oceania: 0.4193
Africa: 0.2733

http://www2.unpan.org/egovkb/global_reports/10report.htm
Figure 4.5 E-government development in Europe

- Eastern Europe: 0.5449
- Northern Europe: 0.7113
- Southern Europe: 0.5566
- Western Europe: 0.7165
- Regional average: 0.6227
- World average: 0.4406

Source: United Nation E-Government Survey 2010, Chapter 4, Page 72
## Leading EU Member States – PSI re-use

<table>
<thead>
<tr>
<th>EU Member States Leading on PSI re-use</th>
<th>UN E-Government development index World Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>7</td>
</tr>
<tr>
<td>Finland</td>
<td>19</td>
</tr>
<tr>
<td>France</td>
<td>10</td>
</tr>
<tr>
<td>Netherlands</td>
<td>5</td>
</tr>
<tr>
<td>Slovenia</td>
<td>29</td>
</tr>
<tr>
<td>Spain</td>
<td>9</td>
</tr>
<tr>
<td>UK</td>
<td>4</td>
</tr>
</tbody>
</table>

Greece UN E-Government Index = 41
17 November 2003

7 April 2006
European Commission Decision 2006/291/EC published on PSI Re-use within EC

May 2006
European Commission Joint Research Centre Acquis multilingual parallel corpus released for re-use

April 2007
European Union Joint Research Centre Version 3 of the Acquis released – 22 languages

November 2007
European Commission Directorate General for Translation released the multilingual Translation Memory for the Acquis Communautaire

“The data releases of DGT and JRC are in line with the general effort of the European Commission to support multilingualism, language diversity and the re-use of Commission information.”

Source: http://langtech.jrc.it/DGT-TM.html
www.epsiplatform.eu
The DGT Multilingual Translation Memory of the Acquis Communautaire: DGT-TM

“As of November 2007, the European Commission's Directorate-General for Translation (DGT) made publicly accessible its multilingual Translation Memory for the Acquis Communautaire (the body of EU law) - a collection of parallel texts (texts and their translation, also referred to as bi-texts) in 22 languages.”

Source: http://langtech.jrc.it/DGT-TM.html

European Parliament

4 May 2010

E-3436/10 WRITTEN QUESTION by Evelyn Regner (S&D) to the Commission

Subject: Translated EU documents used by Google to develop its language software

1 July 2010

E-3436/10 Answer given by Mrs Kroes on behalf of the Commission


UK – PSI Data Catalogues

Source: http://data.london.gov.uk
UK example of PSI Data from London Data Store re-used

**Live train map for the London Underground**

Data collected: Wed, 15 Dec 2010 08:46:03 +0000

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**What is this?**
This map shows all trains (yellow pins) on the London Underground network in approximately real time (screenshot). Click the stations for a local map of that station. I have a (per-station) National Rail version, and a bookmarkable train times planner.

**How does it work?**
Live departure data is fetched from the TFL API, and then it does a bit of maths and magic. It’s surprisingly okay, given this was done in only a few hours at Science Hackday on 19/20th June 2010, and the many naming/location issues encountered, some unresolved. A small number of stations are misplaced or missing; occasional trains behave oddly; some H&C and Circle stations are missing in the TFL feed.

**Who did this?**
Matthew Somerville (with helpful hinderances from Frances Berryman and James Ayles). Station icon by Tim
Law

Law is a system of rules created and enforced by public institutions. Law is a major determining factor of society that shapes the political, economic and social environment and essentially contributes to social peace. Therefore, it is crucial for every citizen to be informed about the applicable law.

The European Union (EU) and its Member States are founded on the rule of law, the principle of democracy, and respect for human rights and fundamental freedoms. This means that the law is above everyone and applies to everyone, and that it is adopted under a democratic procedure. Any acts and decisions taken by the state and/or its public authorities have to be in line with its law. In particular, the law guarantees the citizens’ fundamental rights and freedoms.

Each of the EU Member States has its own law, legal system and constitutional requirements and procedures for the adoption of law. In addition, all Member States are bound by the law of the European Union and by international law.

Please consult relevant subpages to find more information on:

- The law of its Member States, and
- The law of the European Union, and
- International law

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Last update: 01/05/2010
European Commission Action: Member State approaches to PSI

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European Commission: PSi Directive 2010 Public Consultation

European Commission: Twitter - infsoe4

580 replies to the public consultation on the #psi directive! we are preparing a report now. #psi_policy 8:06 AM Dec 1st via web

European Commission presentation on PSI Re-use at the Symposium of the Permanent Committee on Cadastre in the European Union, Brussels, 9\textsuperscript{th} December 2010 reported on the recent Consultation that closed on 30\textsuperscript{th} November 2010 that:

89\% (516 respondents) of the respondents indicated that PSI re-use has not reached its full potential in Europe?
European Union: PSI re-use growth

EU PSI Re-use growth curve (an estimate)


Growth
Implementing the PSI re-use policy

• It is a complex area as it involves many organisations, people, layers of Government, cultures, languages to name a few.

• EU & EFTA Member States are at different stages of development

• European Commission? Is active on delivering the action plan set out in Communication

• Member States? Apart from a small number – they are NOT delivering the action plan

• Civil Society? Increasing activity across Member States – the Public Sector is loosing the initiative

• Over the past 24 months huge growth in PSI stakeholders, capacity building is in progress, knowledge transfer is occurring

• At the Global level the European economic area is leading, OECD Members closely behind, with the rest of the world observing with interest but not yet convinced they should adopt the policy.
Summary

PSI re-use is:

• happening and is growing all across the world (It is global!)

• not new – what is new is the electronic aspects, the machine to machine aspects, the active involvement of Society.

• here to **STAY** (So we need to learn to live with it and adapt)

• not homogeneous so many stakeholders think they are unique!

Awareness is:

• growing at the political level in a number of countries around the world.

• growing that public sector information holder business models formulated and implemented prior to the Internet age are no longer fit for purpose.

• Growing that **SIMPPLICITY** is the key to delivering the PSI Re-use policy
Interested in PSI? Then why not visit:

www.epsiplatform.eu

&


Thank you for your attention