Italian National Guidelines for the Valorization of the Public Sector Information

Gabriele Ciasullo, Giorgia Lodi, Antonio Maccioni, Francesco Tortorelli
Agency for Digital Italy

Share PSI 2.0 workshop on “A self sustaining business model for open data”
21 May 2015, Danube University Krems, Krems, Austria
Outline

- A process for the valorization of PSI in Italy
- The Guidelines
- Metadata management
- Business Models
The Valorization Process

Public Sector
Information systems
The Valorization Process

Public Sector Information systems

Objectives

Data and documents

Valorisation Process of Public Sector Information
The Valorization Process

- Public Sector Information systems
  - Objecives
  - Valorisation Process of Public Sector Information
    - Strategy and implementation
      - Agenda
      - Action plan
      - Technical guidelines
    - Monitoring
      - Metrics
      - Report
  - Data and documents
The Guidelines

(i) suggestions on the schema and ontologies for publishing data and in particular key datasets
(ii) a novel model to assess and increase the quality of metadata at national level
(iii) the definition of business models to convince public managers to release high-quality data
(iv) a schema for supporting the choice among a large plethora of existing licenses.
The Guidelines

- The adoption of the guidelines*:

*Data gathered by the eGovernment Observatory of the Technical University of Milan and Lombardia Region
Guidelines: Organizational Model
## Guidelines: Licensing scheme

<table>
<thead>
<tr>
<th>Licenza opera originaria</th>
<th>CC0</th>
<th>CC-BY</th>
<th>CC-BY-SA</th>
<th>IODL v. 2.0</th>
<th>IODL v. 1.0</th>
<th>ODbL</th>
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</thead>
<tbody>
<tr>
<td>CC0</td>
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</table>

- **Green**: Derivative Work is allowed
- **Yellow**: It is unclear if Derivative Work is allowed
- **Red**: Derivative Work is not allowed
Guidelines: Metadata Management
## Guidelines: Metadata Profile

<table>
<thead>
<tr>
<th>Campo</th>
<th>Provenienza</th>
<th>Descrizione e note</th>
</tr>
</thead>
<tbody>
<tr>
<td>publisher</td>
<td>DC</td>
<td>Indica il soggetto che pubblica il dataset. Spesso coincide con creator.</td>
</tr>
<tr>
<td>creator</td>
<td>DC</td>
<td>Indica il soggetto che ha prodotto il dataset. Spesso coincide con publisher.</td>
</tr>
<tr>
<td>rightsHolder</td>
<td>DCMI</td>
<td>Indica il soggetto o l’organizzazione che detiene e gestisce i diritti sul dataset.</td>
</tr>
<tr>
<td>title</td>
<td>DC</td>
<td>Indica il titolo del dataset.</td>
</tr>
<tr>
<td>description</td>
<td>DC</td>
<td>Indica la descrizione in linguaggio naturale del dataset.</td>
</tr>
<tr>
<td>modified</td>
<td>DCMI</td>
<td>Indica la data di ultimo aggiornamento. Il formato della data segue le specifiche dello standard ISO 8601, i.e., \texttt{yyyy-mm-dd}</td>
</tr>
<tr>
<td>accrualPeriodicity</td>
<td>DCMI</td>
<td>Indica la frequenza di aggiornamento dei dati.</td>
</tr>
<tr>
<td>license</td>
<td>CC</td>
<td>Indica la licenza utilizzata.</td>
</tr>
<tr>
<td>keyword</td>
<td>DCAT</td>
<td>Indica le parole chiave, separate da virgole, che descrivono il dataset</td>
</tr>
<tr>
<td>...</td>
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</tbody>
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Guidelines: Business Models

- Support the “exceptional cases” of administrations that can provide open data limited to the marginal costs of reproduction, provision, and dissemination (as for the new PSI directive)
- Involve external stakeholders (i.e. SMEs)
- Favour long-term sustainability of Open Data initiatives

DISCLAIMER
NONE OF THE AUTHORS IS AN ECONOMIST
Guidelines: Business Models

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Fixed Price Business Model

easy to implement

lack of flexibility

easy to understand

the cost analysis is tricky
Dual Licensing

Flexible and targeted licensing

Higher complexity
Dual Licensing with Charge

Flexible and targeted licensing

Higher complexity
Freemium

Flexible and targeted licensing

Higher complexity
Sponsoring

Advantages

Disadvantages
Equity on services

Advantages

Disadvantages
In-House Development of applications

Advantages

Disadvantages
Support services

Advantages

Disadvantages
Crowdfunding

1. Advantages
2. Disadvantages

1. OPEN DATA
2. People
3. Institution
Thanks for your attention