Funding models for institutional arrangements in the context of a national SDI: the case of Chile

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Background

The term “institutional arrangements” incorporates the networks of entities and organizations involved in planning, supporting, and/or implementing Geospatial Information Management programs and practices.

Institutional arrangements include the involved and responsible organizations, their human resources, funding, equipment and supplies, leadership, effectiveness, and the communication links between and among organizations.

Trends in national institutional arrangements in geospatial information management, UNITED NATIONS, E/C.20/2014/5/Add.1
National model for geospatial information management

- National Mapping Organization (NMO) generating Geospatial Reference Information and a wide range of thematic data.

- NMO generating GRI and integrating thematic information coming from several governmental (ministries) and no governmental bodies

- Federal Governments generating thematic data, integrating with GRI provided by the NMO

- Fully distributed model based on the development of sectorial SDI (ministries) and territorial SDI (in regions or provinces in a country) and connected under interoperability protocols
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CHILE
The case of Chile: fully distributed model for management of geospatial information
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SDI in the 15 regions of the country

- Regional government conducting the SDI *(coordination and leadership)*
- Regional *technical teamwork* for processing and analyzing geospatial information
- Regional *geoportal for dissemination* of geospatial information
Funding models for institutional arrangements

TWO SCENARIES

Current legal framework
Supreme Decree N°28, 2006

Coming legal framework
Law project for chilean SDI
Funding models for institutional arrangements

Geospatial Reference Information

<table>
<thead>
<tr>
<th>Current</th>
<th>Law project for chilean SDI</th>
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<tbody>
<tr>
<td>✓ NMO selling to public agencies (self funding necessity arising from organic laws)</td>
<td>✓ Complementary budget to NMO so that they distribute GRI free of cost</td>
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<td>✓ Royalty after the first purchase</td>
<td>• Elevation</td>
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<td></td>
<td>• Hydrography</td>
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<td></td>
<td>• Road Network</td>
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<td>• Geographic Names</td>
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<td>• Administrative Boundaries</td>
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<td>• National imagery</td>
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### Funding models for institutional arrangements

#### SDI in ministries

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| ✓ **Sectorial budget**: Individual presentation of initiatives to national budget  
  - Software and hardware  
  - Data collection and generation  
  - Coordination activities  
  - Capacity building | ✓ **National program** providing resources to public agencies for managing geospatial information (annual presentation, nationwide) |
| ✓ **Lack of coordination** among sectorial requests | ✓ **SDI Division** coordinating the requests |
## Funding models for institutional arrangements

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<th>SDI in the regions</th>
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<td><strong>Current</strong></td>
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<tr>
<td>✓ Geospatial information management is <strong>hidden</strong> inside <strong>other functions</strong> inside regional government (no explicit budget for this activity)</td>
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<td>✓ Projects funded by specific sources (not permanent in time)</td>
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Institutional arrangements to be analyzed in terms of funding models

Relationship Academy – State:

• State providing data to the Academy for research.
• Academy generating knowledge, supporting decision making and public policies in the State.

Intersectorial working groups:

• National committee for standards and technical specification (it has been operated under specific projects related with innovation, but has not continuity).
• Geospatial Reference Information Working Group (partial dedication of the technical staff)
Final remarks

- It is suggested to study institutional arrangements and funding models for the **different realities** in terms of nationwide models for geospatial information management.

- Documentation and exchange of best practices related to funding models/institutional arrangements will open the alternatives that every country may take in order to strengthen geospatial information management processes.

- Legal framework in Chile could be a crucial variable in getting more efficient funding models.
Thank you very much!

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