

Simplification implementation in Italy

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The national metadata profile

← → ↺

🔒 <https://agid.github.io/geodocs/rndt-lg/2.0.1/>

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AgID - Linee Guida

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Linee Guida RNDT 2.0.1

Art. 59 c. 5 D.Lgs. n. 82/2005 e s.m.i.

AgID Linee Guida 28 Febbraio 2022

Questa versione:
<https://agid.github.io/geodocs/rndt-lg/2.0.1/>

Ultima versione pubblicata:
<https://agid.github.io/geodocs/rndt-lg/2.0.1/>

Versione precedente:
<https://agid.github.io/geodocs/rndt-lg/2.0/>

Precedenti Linee Guida:
<https://www.gazzettaufficiale.it/eli/id/2012/02/27/12A01801/sg>

Editore:
[Agenzia per l'Italia Digitale](#)

Partecipa:
[GitHub AgID/geodocs](#)
[File a bug](#)
[Commit history](#)
[Pull requests](#)



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} aligned to and extending INSPIRE
metadata TQs 2.0

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Implementation of part A

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metadata elements proposed in the Part A of the good practice already included as mandatory elements in the national profile:

- Protocol
- Application profile

Example

```
-<gmd:transferOptions>
  -<gmd:MD_DigitalTransferOptions>
    -<gmd:onLine>
      -<gmd:CI_OnlineResource>
        -<gmd:linkage>
          -<gmd:URL>
            https://geoservizi.regione.liguria.it/geoserver/M1441/wms?version=1.3.0&request=getcapabilities
          </gmd:URL>
        </gmd:linkage>
      -<gmd:protocol>
        <gmx:Anchor xlink:href="http://www.opengis.net/def/serviceType/ogc/wms">Web Map Service (WMS)</gmx:Anchor>
      </gmd:protocol>
      -<gmd:applicationProfile>
        <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/SpatialDataServiceType/view">view</gmx:Anchor>
      </gmd:applicationProfile>
      -<gmd:description>
        <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/OnLineDescriptionCode/accessPoint">accessPoint</gmx:Anchor>
      </gmd:description>
    </gmd:CI_OnlineResource>
  </gmd:onLine>
</gmd:MD_DigitalTransferOptions>
</gmd:transferOptions>
```

The metadata elements `gmd:protocol` and `gmd:applicationProfile` are encoded by using the mandatory element `gmx:Anchor` with the URIs coming from the INSPIRE registers:

- INSPIRE Protocol value register
- Spatial data service type register

Extensions to INSPIRE registers

As the metadata elements **protocol** and **applicationProfile** are required for all types of online resource (and not only for view and download services as in Part A of the good practice), some extensions in the INSPIRE Protocol value register have been needed.

Those extensions are published in the national registry.

The extensions cover the following cases:

- a **web page with further instructions** for accessing the data set described through metadata (→ (external) URI: <https://www.w3.org/TR/xlink/>);
- **direct access for downloading the data set** described through metadata (→ URI: <https://registry.geodati.gov.it/metadata-codelist/ProtocolValue/www-download>).

The screenshot shows the INSPIRE Italia Registry website. The header includes the logo, the text 'INSPIRE Italia Registry', and a search bar. The main content area is titled 'Protocol values' and displays the following information:

- URI:** <http://registry.geodati.gov.it/metadata-codelist/ProtocolValue>
- This version:** <http://registry.geodati.gov.it/metadata-codelist/ProtocolValue:2>
- Version history:** <http://registry.geodati.gov.it/metadata-codelist/ProtocolValue:0>

Below this information is a section titled 'Contained items' with a table showing two entries:

label	Status
WWW-DOWNLOAD	Valid
WWW-LINK	Valid

At the bottom of the table, it says 'Showing 1 to 2 of 2 entries'. There are also navigation links for 'Previous', '1', and 'Next'.

Example

```
-<gmd:transferOptions>
  -<gmd:MD_DigitalTransferOptions>
    -<gmd:onLine>
      -<gmd:CI_OnlineResource>
        -<gmd:linkage>
          -<gmd:URL>
            https://srvcarto.regione.liguria.it/geoservices/apps/viewer/pages/apps/download/index.html?id=1441
          </gmd:URL>
        </gmd:linkage>
      -<gmd:protocol>
        <gmx:Anchor xlink:href="https://registry.geodati.gov.it/metadata-codelist/ProtocolValue/www-download">WWW:DOWNLOAD-1.0-http--download</gmx:Anchor>
      </gmd:protocol>
    -<gmd:applicationProfile>
      <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/SpatialDataServiceType/other">other</gmx:Anchor>
    </gmd:applicationProfile>
  -<gmd:description>
    <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/OnLineDescriptionCode/accessPoint">accessPoint</gmx:Anchor>
  </gmd:description>
</gmd:CI_OnlineResource>
</gmd:onLine>
</gmd:MD_DigitalTransferOptions>
</gmd:transferOptions>
```

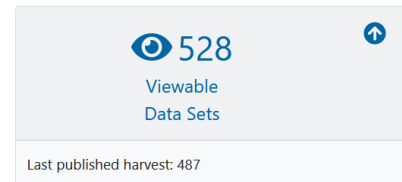
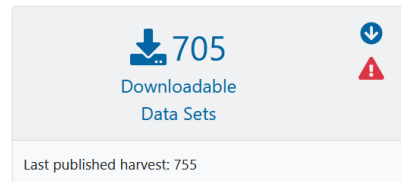
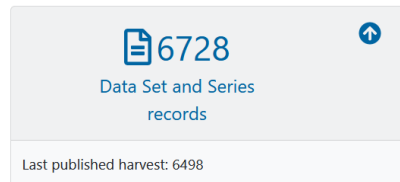
Implementation of the Part B

Not implemented yet, but data and service providers look forward to using the new approach

Why?

Low level of accessibility to Italian INSPIRE data sets with the current approach

Complete overview of the harvest session



But the number of services documented is relevant

2115
Services

CONCLUSIONS: with the simplification approach, a considerable increase in the level of accessibility is expected



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