Linking data / Spatial data Identifiers

• **How Link resources together to create the Web of data**

Spatial data Identifiers:

• **Persistent identifiers are an essential pre-condition** for proper data management and reuse.

• Developers may build URIs into their code and so it is important that those URIs persist and that they dereference to the same resource over time without the need for human intervention.

• Datasets or information about datasets will be discoverable and citable through time, regardless of the status, availability or format of the data.
Metadata, Service and Spatial Object PID serialisation

Italian National Public Administration Index

ISPRA

Arpa_er:

Anagrafe Siti Contaminati Contaminated Site Inventory

Arpa_er.ASC_6264

Integrate Services Based on Sp.O. PID

IPA ID: Arpa_er

DB ID: ASC

F. ID: 6264

Deploy web service

Dataset MD PID

Service MD PID

Spatial Object PID
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• **How Link resources together to create the Web of data**
• Make your data indexable:
  – Download services supporting a proxy layer
  – Access to a dataset distributed using WFS via a “landing page”
  – Data formats for vector data – HTML
  – Data formats for vector data – RDF / JSON-LD includes recommendations for adding some dynamic links.
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• Some example and best practice to take in account:
  – INSPIRE data in RDF
  • https://github.com/inspire-eu-rdf/inspire-rdf-guidelines