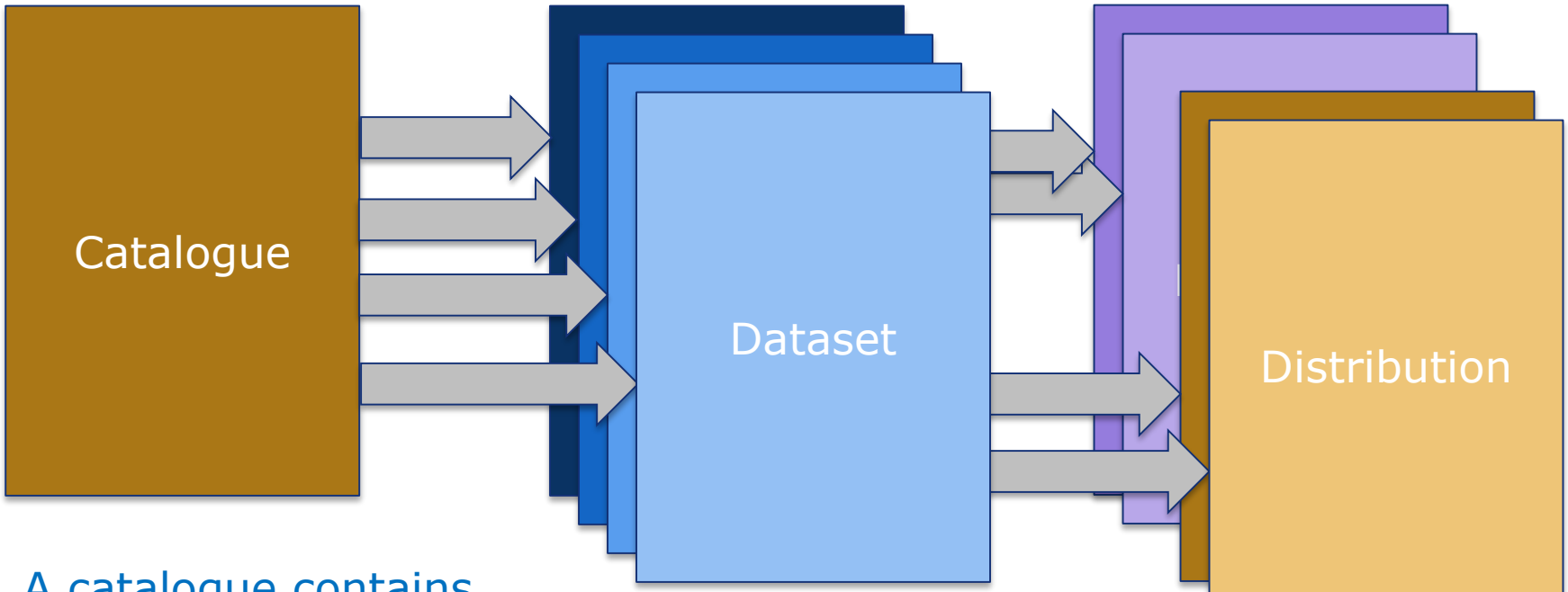
DCAT-AP
the story so far

13 May 2016, Rome
ISA Programme Action 1.1

Introduction: DCAT-AP

- **DCAT-AP** is an Application Profile of the W3C DCAT Recommendation to be used for the exchange of descriptions of datasets between data portals in Europe
- **DCAT** was developed by the Government Linked Data Working Group at W3C in 2012-2013 as an RDF vocabulary designed to facilitate interoperability between data catalogues published on the Web
- **DCAT-AP** was developed by the SEMIC activity under the ISA programme in 2013 and revised in 2015 for specific use in Europe, among others to support the European Data Portal

Introduction: DCAT-AP

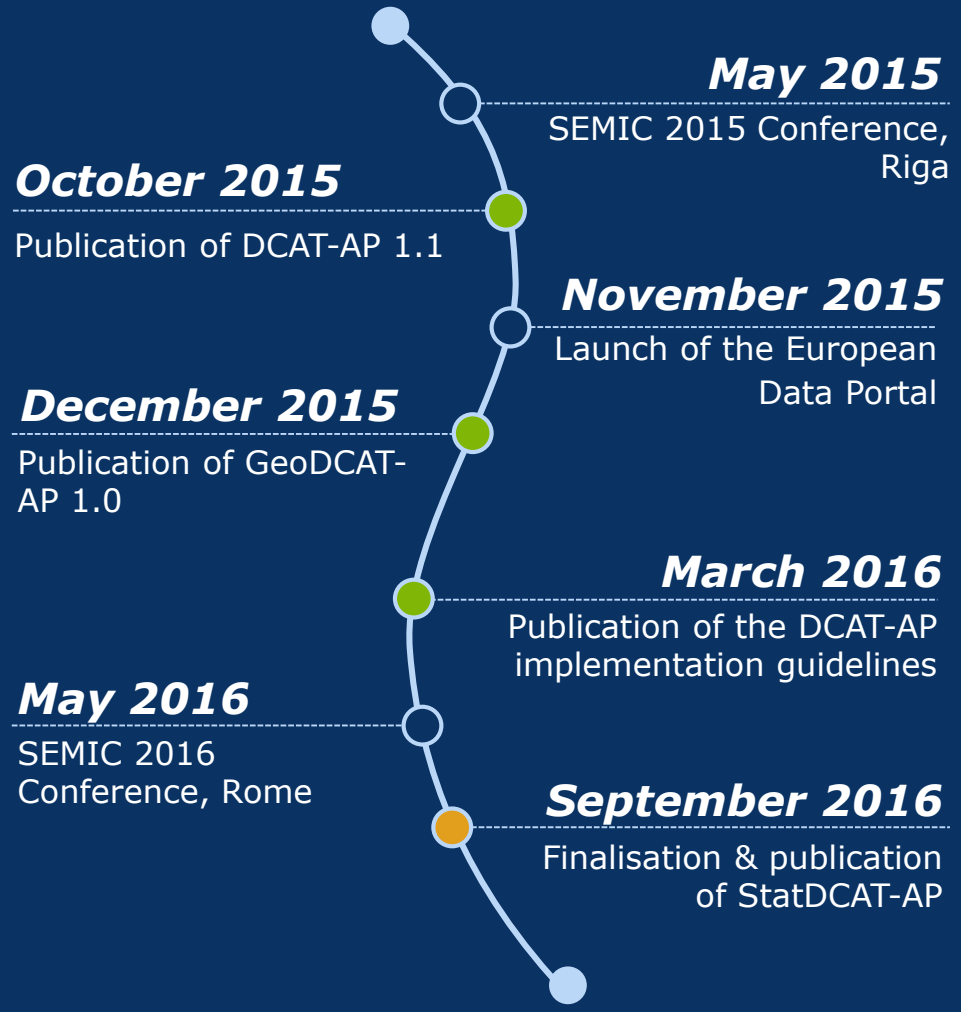


A catalogue contains one or more datasets

A dataset has one or more distributions

Update

DCAT-AP since SEMIC 2015



Revision of DCAT-AP

Outcomes

- Updated version of DCAT-AP: **v1.1**
- Changes based on **requests** from the implementer **community**

What has changed?

7	**Changes** in recommended and optional **classes and properties** adms:versionNotes, dcat:contactPoint, dct:LicenseDocument, dct:Location, owl:versionInfo, vCard:Kind, dcat:landingPage
5	**Changes** in the recommended **controlled vocabularies** for dcat:mediaType, dct:spatial, dcat:themeTaxonomy, dcat:theme, dct:accrualPeriodicity
18	**New properties**, such as: dct:conformsTo and dct:language as a recommended properties for Catalogue Record dct:provenance and dct:source as optional properties for Dataset
1	**New class**: Checksum

GeoDCAT-AP

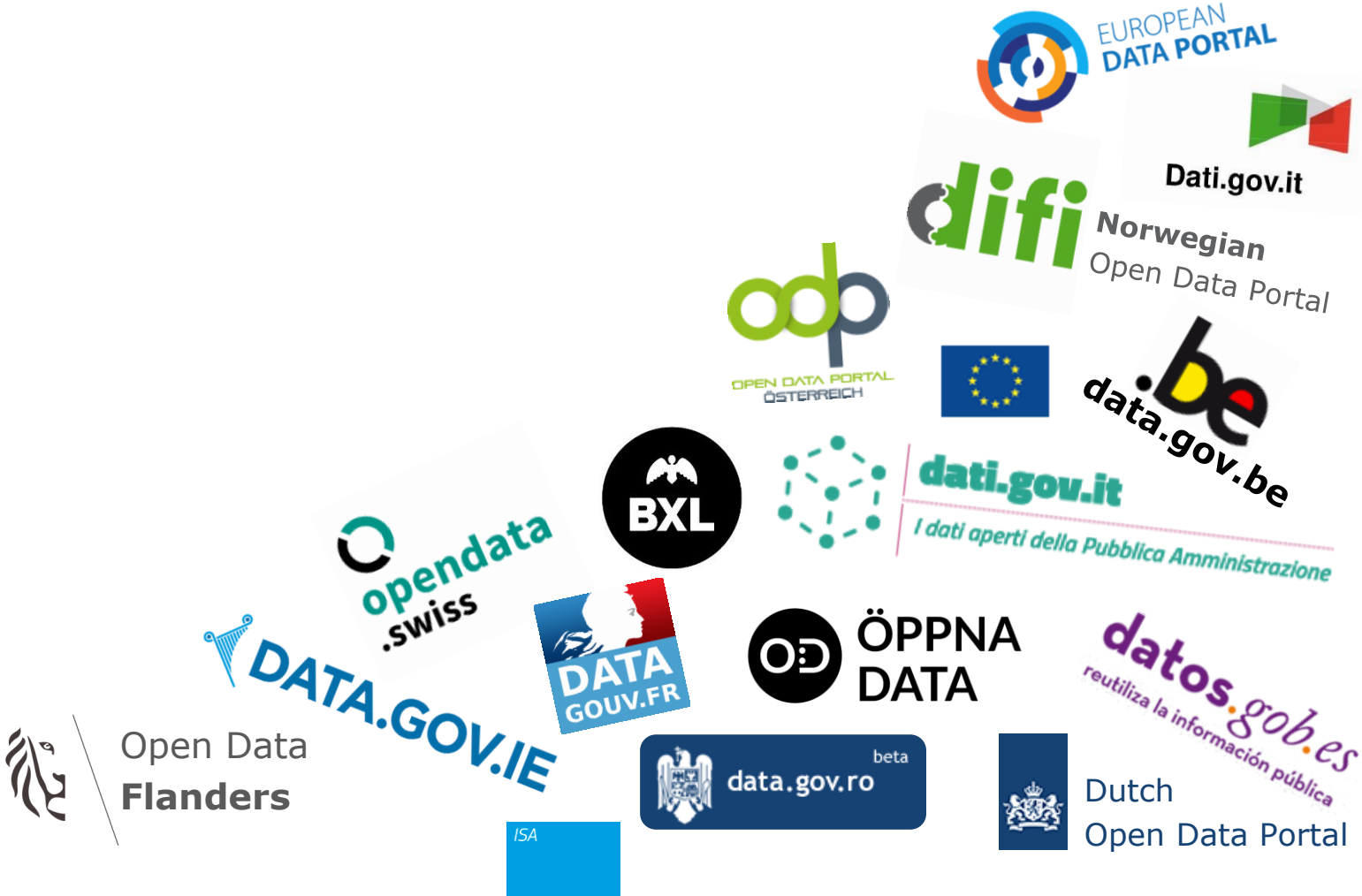
Objectives

- Developing an **extension** to DCAT-AP for **geospatial metadata**
- Take into account the **standards** currently used in the geospatial community
  - INSPIRE
  - ISO19115

Outcomes

- 2 profiles
  - **Core**: DCAT-AP conformant representation of geospatial information
  - **Extended**: comprehensive RDF-based representation of geospatial metadata, based on widely used vocabularies.
- Syntax binding from **INSPIRE** metadata schema & **ISO19115**:2003 to the GeoDCAT-AP RDF
- Recommendations to the DCAT-AP revision working group
- Controlled vocabularies

Implementers



DCAT-AP Implementation Guidelines

Outcomes

- **Practical guidelines** for implementing DCAT-AP
- Based on contributions from the **implementer community**
  European Data Portal, EU Open Data Portal, Open Data Portals in Belgium, Italy, Norway, Spain, Sweden, Switzerland and The Netherlands
- Input for future DCAT-AP **revisions**
- Available via https://joinup.ec.europa.eu/node/148075/

MDR Data Themes

Extending DCAT-AP

Licence documents

Provenance

Contact information

Identifiers for datasets & distributions

Dataset series

Duplicates

DCAT-AP Tools

StatDCAT-AP

Objectives

- Fully conformant **extension** of DCAT-AP for the exchange of metadata for statistical datasets
  - determining which description elements in **statistical data standards** can be exposed in the DCAT-AP format
  - **extending the DCAT-AP** with descriptive elements that can further help in the discovery and use of statistical data sets
- General data portals will understand the 'core' of StatDCAT-AP (which is DCAT-AP)
- General data portals get the opportunity to enhance services by processing the additional properties in StatDCAT-AP; after all, statistical datasets are an important collection for portals

StatDCAT-AP

Status

- 8 open issues. **Join the discussion** via
  - Joinup: https://joinup.ec.europa.eu/asset/stat_dcat_application_profile/issue/all
- Next steps
  - Face-to-face meeting this afternoon
  - End of May 2016: third draft
  - 3 June 2016: fourth virtual WG meeting
  - July and August 2016: public review period
  - Mid-September 2016: fifth virtual WG
  - End of September 2016: approval of StatDCAT-AP version 1.0 for publication

European Commission

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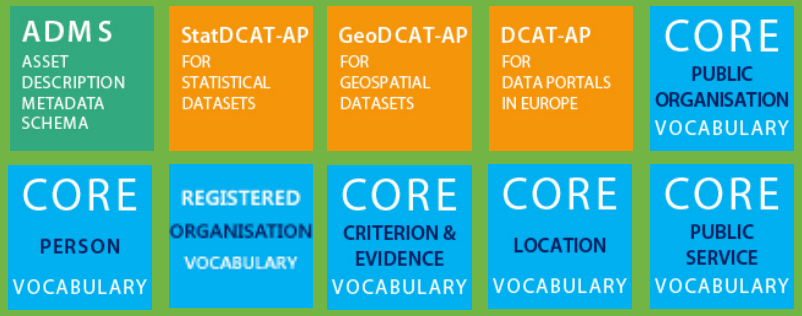
Visit our initiatives



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