



DCAT Application Profile for Data Portals in Europe

3 April 2013

The ISA Programme
undertakes a number of
initiatives to promote
interoperability



European Interoperability Framework

Political context

Legal interoperability

- Aligned legislation

Organisational Interoperability

- Coordinated processes

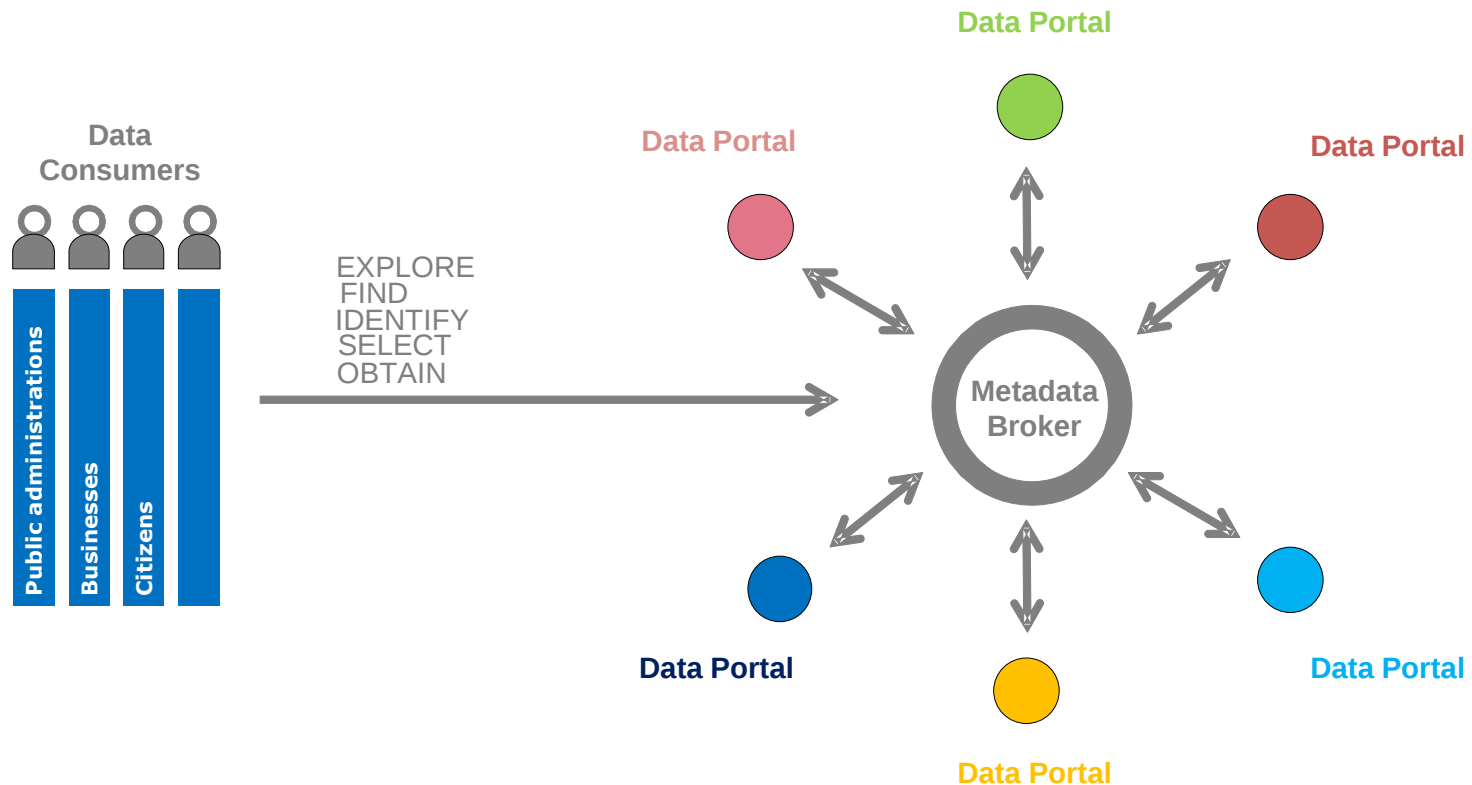
Semantic Interoperability

- Precise meaning of information

Technical Interoperability

- Technical linking of systems

Basic use case: cross-portal search for data sets



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Data providers include a description of their datasets on one or more data portals.

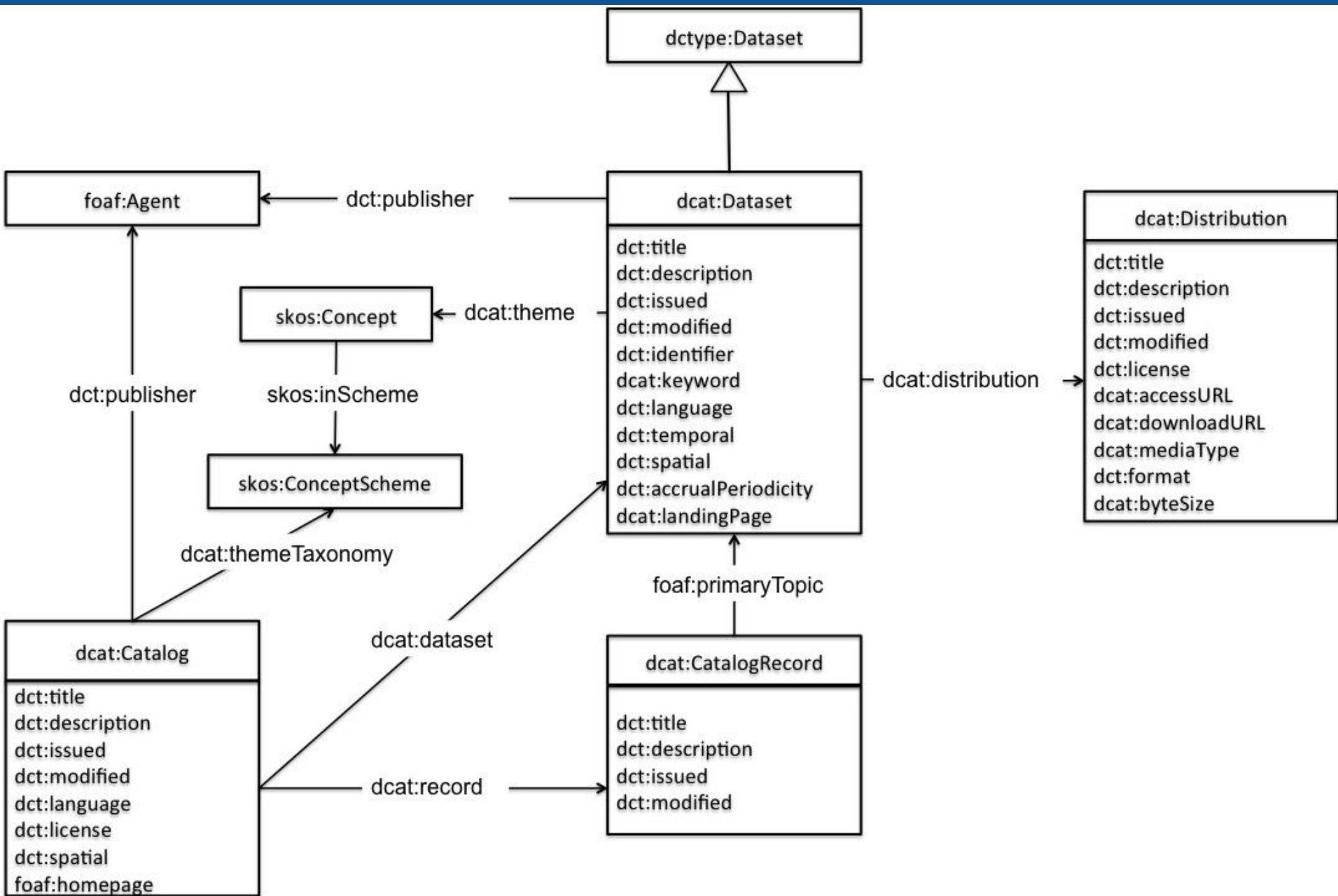
Data portals exchange description metadata about their collection of data sets using the DCAT application profile.

Metadata brokers promote interoperability via metadata services.

Data consumers use the data portal of their choice to search through various collections of data sets from a single point of access.

User Scenario 1 – Datasets on tourist accommodations

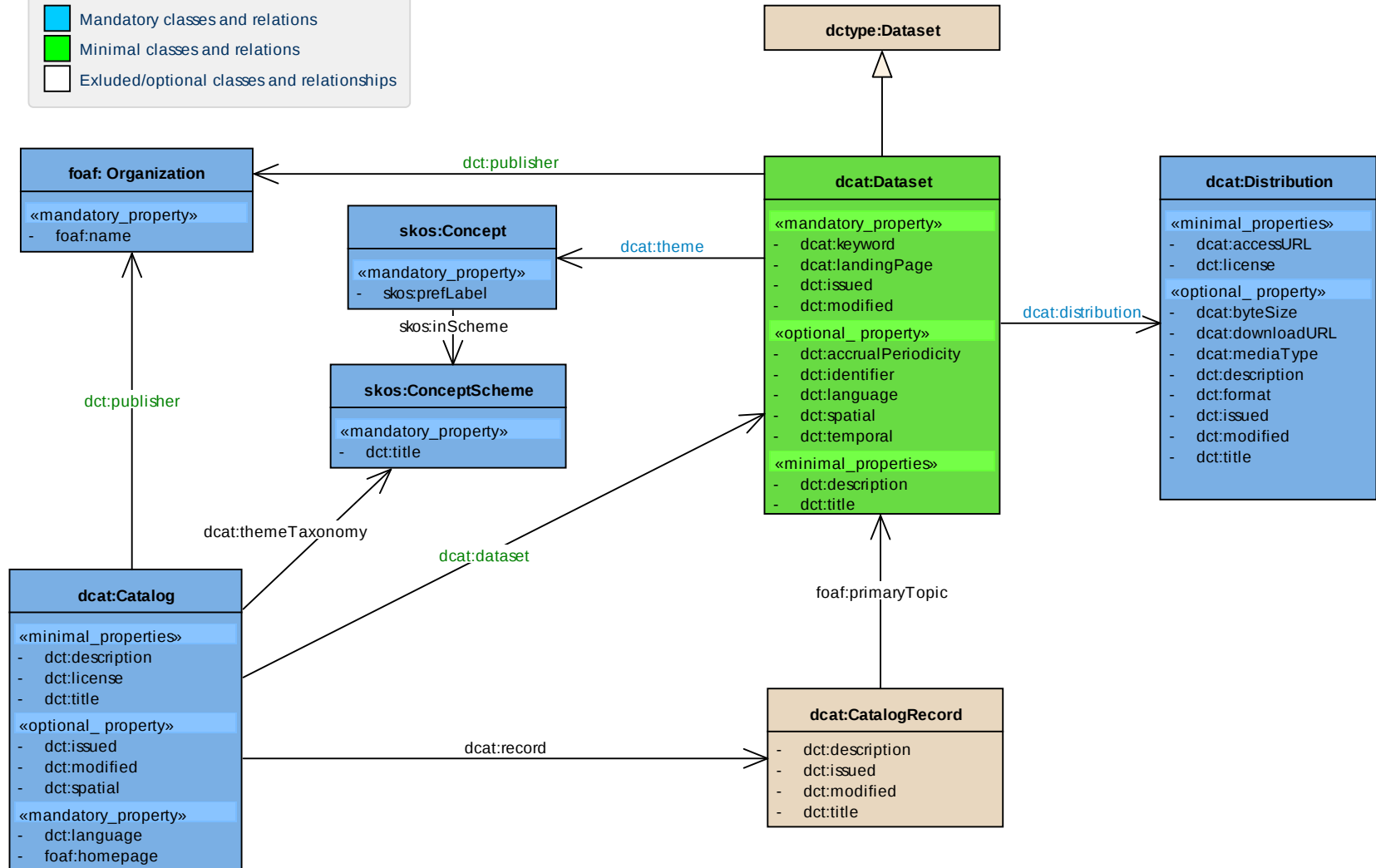
Tomasz works for a Polish tourist agency and is looking for data sets on tourist accommodations in European cities. His employer wants to develop a travel app to expand its service offerings. Unfortunately, the data sets Tomasz is looking for are made available by various public administrations in Europe which Tomasz is not aware of.



class DCAT Application Profile

Legend

- Mandatory classes and relations
- Minimal classes and relations
- Excluded/optional classes and relationships



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