



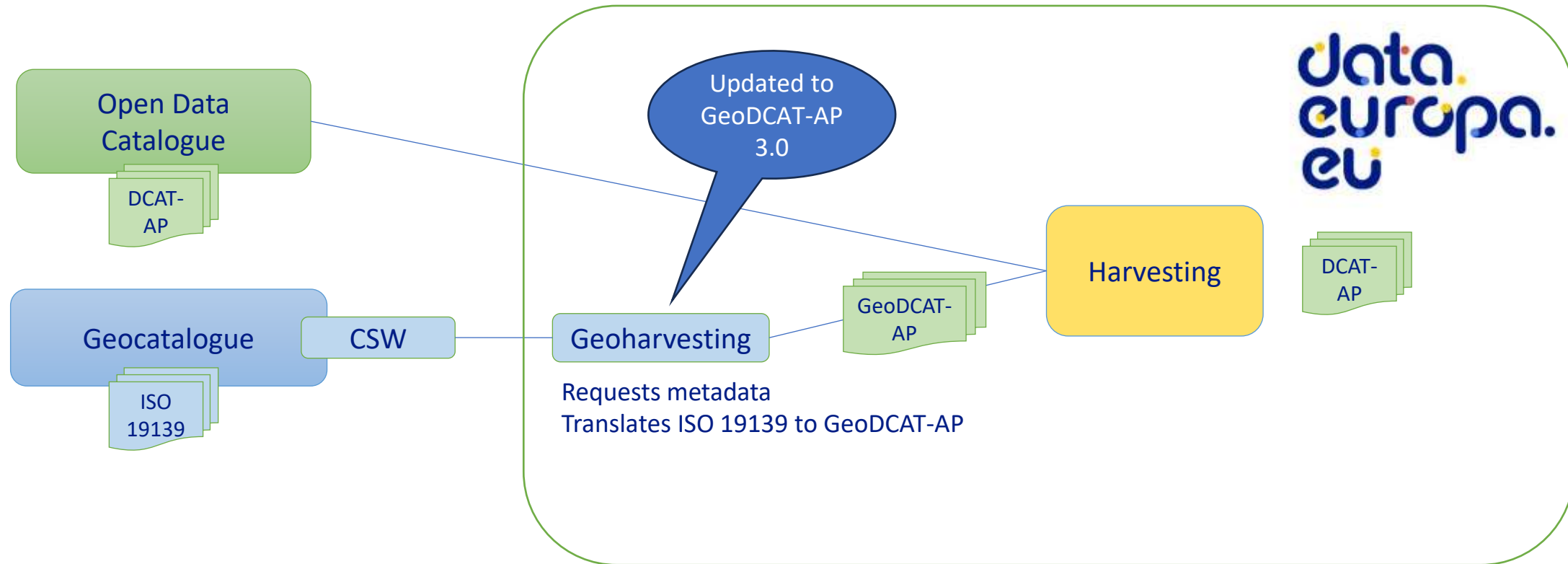
ISO & GeoDCAT-AP metadata implementation pilot

**European Commission SEMIC Group (DG DIGIT) and DG JRC,
Publications Office of the European Union
& Member States**

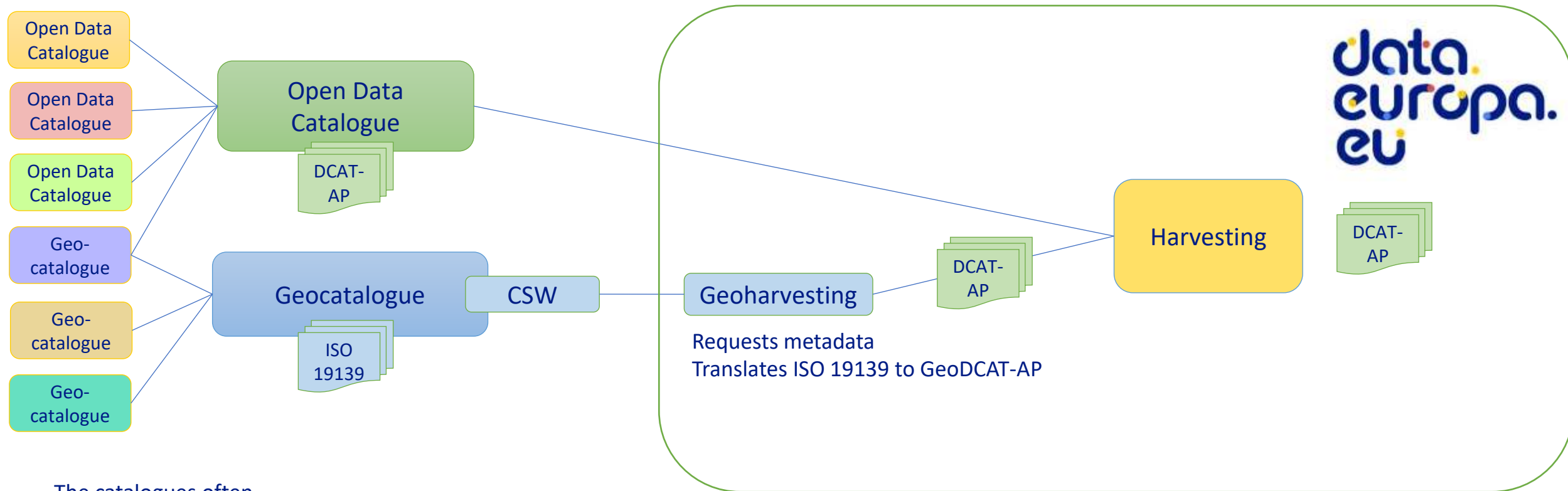
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4th Meeting – April 28, 2025

Harvesting for data.europa.eu



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ISO 19139 to GeoDCAT-AP: Where is the transformation taking place?

Option A: Geoharvester of the European Data Portal

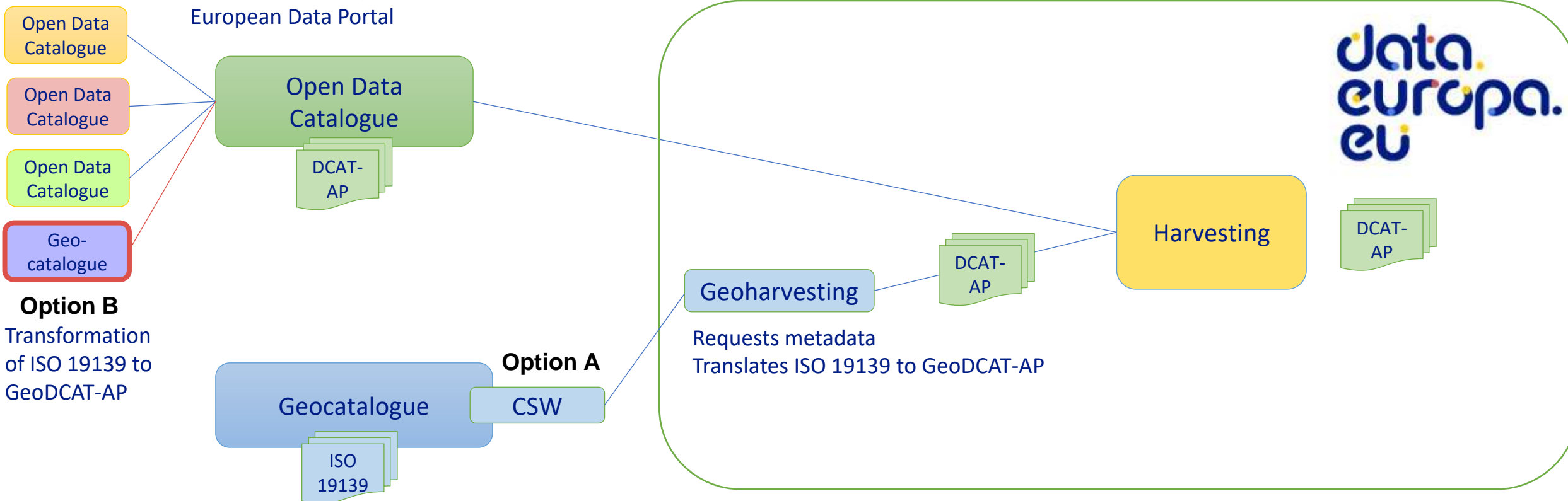
- Requests metadata via CSW in ISO 19139 and translates it to GeoDCAT-AP
- Geocatalogue providers need to tag their HVD according to HVD tagging according to “anchor” proposal [1][2]

Option B: Deliver (Geo-)DCAT-AP to the European Data Portal

- Geocatalogue providers (or national open data portals harvesting them) are responsible for the transformation of their metadata

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Some member states decide to only have the Open Data Catalogue be harvested by the European Data Portal



Harvested geocatalogues from participating MS

Country	European Dataportal	HVD detected	CSW
Spain (ES)	Catálogo Oficial de Datos Y Servicios INSPIRE (CODSI) https://data.europa.eu/data/catalogues/codsi	yes	https://www.idee.es/csw-codsi-idee/srv/spa/csw?request=GetCapabilities&service=CSW&version=2.0.2
Netherlands (NL)	National Georegister of the Netherlands: https://data.europa.eu/data/catalogues/ngr-nl	yes	https://www.nationaalgeoregister.nl/geonetwork/srv/dut/csw?service=CSW&Request=GetCapabilities
Finland (FI)	Paikkatietohakemisto https://data.europa.eu/data/catalogues/paikkatietohakemisto	yes	https://www.paikkatietohakemisto.fi/geonetwork/hvd/fin/csw?SERVICE=CSW&REQUEST=GetCapabilities
Finland (FI)	Finnisch Meteorological Institute https://data.europa.eu/data/catalogues/fmi	yes	http://catalog.fmi.fi/geonetwork/srv/en/csw?SERVICE=CSW&REQUEST=GetCapabilities
Denmark (DK)	Danske Geoportal: https://data.europa.eu/data/catalogues/geodata-info-dk	yes	https://geodata-info.dk/srv/eng/csw?service=CSW&Request=GetCapabilities&version=2.0.2
Slovakia (SK)	INSPIRE Discovery Service Slovakia: https://data.europa.eu/data/catalogues/csw-sk	no	https://zbgisws.skgeodesy.sk/zbgiscsw/Service.svc/post
France (FR)	Geocatalogue France: https://data.europa.eu/data/catalogues/geocatalogue-fr	no	https://www.geocatalogue.fr/api-public/services/inspire/CSWService.CSWServicePort/
Czech Republic (CZ)	INSPIRE Geoportal of the Czech Republic https://data.europa.eu/data/catalogues/geoportal-cr	no	https://micka.cenia.cz/csw?service=CSW&Request=GetCapabilities&version=2.0.2
Italy (IT)	Italian Catalogue of metadata for Spatial Data https://data.europa.eu/data/catalogues/rndt	no	https://geodati.gov.it/RNDT/csw?service=CSW&Request=GetCapabilities&version=2.0.2

data.europa.eu's geoharvester

- **Geoharvester transforms ISO 19139 to GeoDCAT-AP 3 including HVD tagging**
 - The geoharvester has its own XSLT
 - aligned to GeoDCAT-AP 3 since January 2025
 - HVD tagging according to “anchor” proposal [1][2]

data.europa.eu's geoharvester

Issues identified

- **HVD applicableLegislation**

http://data.europa.eu/eli/reg_impl/2023/138/oj (required)

vs. https://eur-lex.europa.eu/eli/reg_impl/2023/138/oj

vs. https://op.europa.eu/web/eu-vocabularies/concept/-/resource?uri=http://data.europa.eu/bna/c_83aa10a6

- data.europa.eu maps to http://data.europa.eu/eli/reg_impl/2023/138/oj

- **Some validation issues cannot be solved**

- ISO distributions don't have applicable legislations

- HVD's need to be accessible via an API – but not all ISO metadata have an OnlineLink (type: download) to be mapped as service distributions

data.europa.eu's geoharvester

- Geoharvester harvests both ISO *dataset* and *services* metadata
 - Default is hierarchyLevel *dataset, service, series*
 - Service metadata is mapped to "dcat:Dataset,,
 - "@type": "dcat:DataService" is set for the dataset's dcat:Distribution if the servicetype is recognised (e.g. WMS, WFS, ATOM)
 - Example:

Original: paikkatietohakemisto.fi/geonetwork/srv/api/records/174c57fd-deaa-4af4-aa9d-eafdd469382e/formatters/xml

European Data Portal: <https://data.europa.eu/data/datasets/174c57fd-deaa-4af4-aa9d-eafdd469382e?locale=en>

Datasets

Data services ⓘ

☒ Yes ☐ No

High-Value Dataset ⓘ

☒ Yes ☐ No

Data scope ⓘ

Search

Datasets found (2 811)

Data services: yes ×

High-Value Dataset: Yes ×