Transforming & Exploiting High Value Datasets: Synergies in EU Open Data Projects

Webinar, 19/11/2024

EU Open Data Projects – EC Project Officers

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EU Data Strategy

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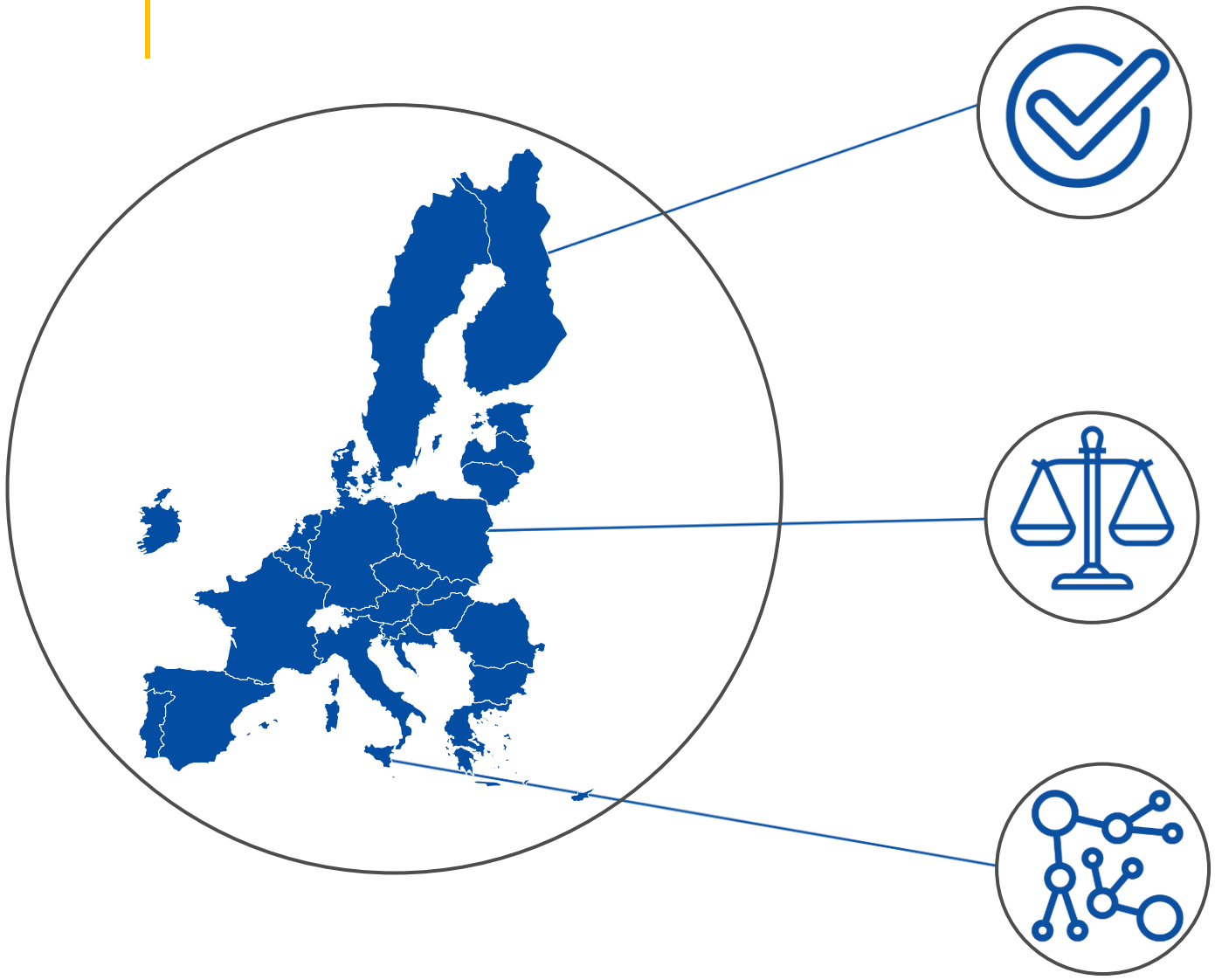
The vision: a European Single Market for Data



European Data Strategy, February 2020

- Genuine internal data market built on EU values and rules
- Create conditions to make data sharing and use easier
- Facilitate cross-border and cross-sectoral data sharing
- Fully reap the benefits of data

A horizontal legislative framework:

- Data Governance Act – applicable since 24 Sep 2023
- Implementing Act on High-value datasets (Open Data Directive) – applicable from 9 June 2024
- Data Act – applicable from 12 September 2025

Common European Data Spaces:

- Roll out of Common European Data Spaces in 14 strategic economic sectors and domains of public interest

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The vision: a European Single Market for Data

European data strategy, Feb 2020

Horizontal Data Legislation

Data Act | Data Governance Act | Open Data Directive | Free Flow of Data Regulation | GDPR | …

Common European Data Spaces

Health | Manufact. | Agriculture | Finance | Mobility | Green Deal | Energy | Public Admin. | Skills | R&I (EOSC) | Tourism | Cultural heritage | Media | Language

High Value Datasets from public sector

European Data Innovation Board

- Prioritisation of cross-sectoral interoperability standards
- Facilitate the sharing of good practices

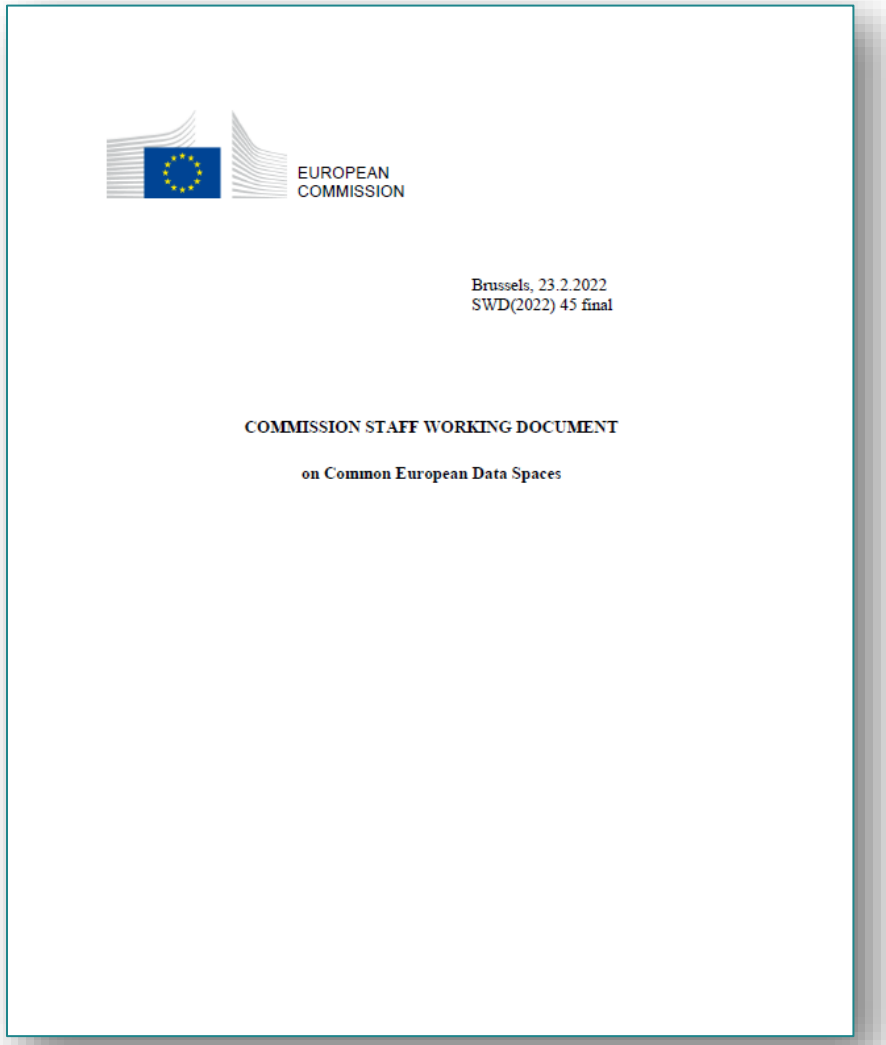
Data Spaces Support Centre

- Coordination and support of data space projects
- Development of blueprint, glossary, etc.

Technical Infrastructure

Standards / Interoperability | Digital identity (eIDAS) | Smart Middleware Platform (Simpl) | High-Performance Computing | Testing and Experimentation Facilities

Commission Documents on Common European Data Spaces – Feb 2022 & Jan 2024

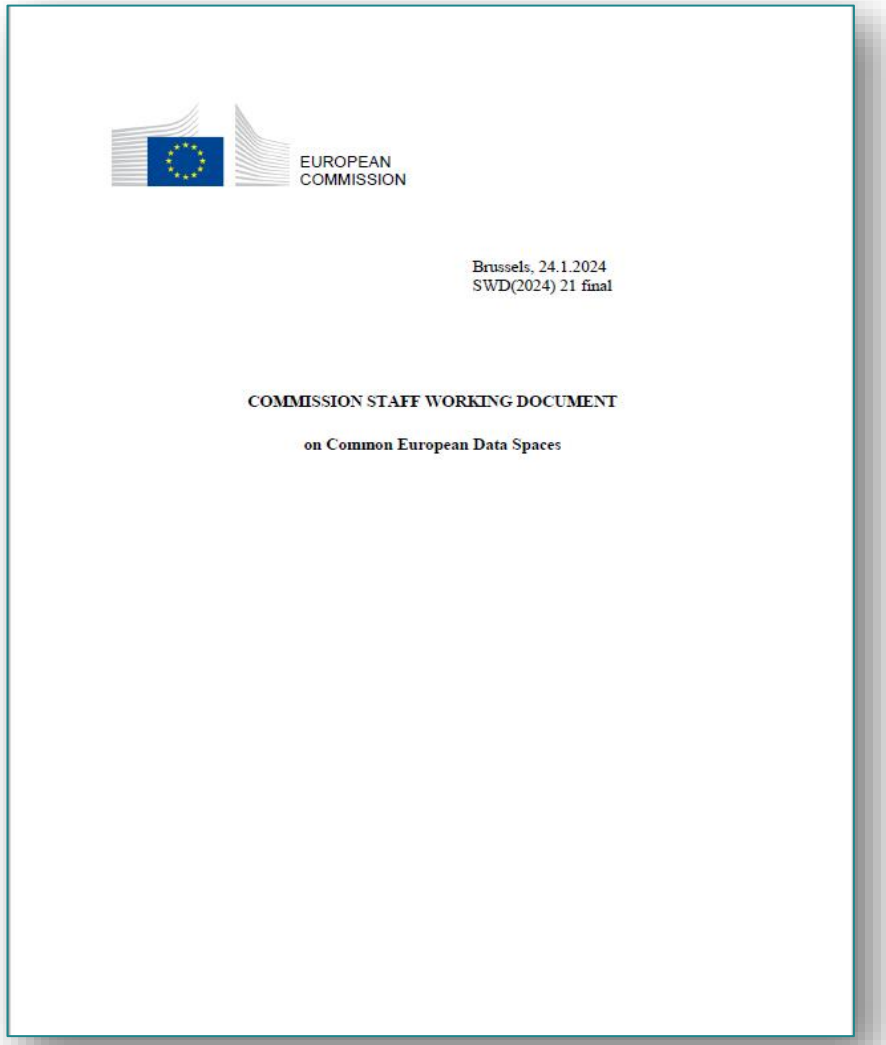


EUROPEAN
COMMISSION

Brussels, 23.2.2022
SWD(2022) 45 final

COMMISSION STAFF WORKING DOCUMENT

on Common European Data Spaces



EUROPEAN
COMMISSION

Brussels, 24.1.2024
SWD(2024) 21 final

COMMISSION STAFF WORKING DOCUMENT

on Common European Data Spaces

At request European Council 25 March 2021

SWD(2022) 45 of 23.2.2022

SWD(2024) 21 of 24.1.2024

State of play of the sectoral / domain-specific Common European Data Spaces

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High-value datasets

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The beginning: public sector data open for re-use.

Open Data Directive => high-value datasets.

Open Data Directive

of 2019

(its predecessor in place since 2003)

- **The Directive**: all publicly accessible data from the public sector should be easier and cheaper to re-use for innovation.
- Access to information rules are mostly set by the MS.
- Application of the Directive must fully respect the data protection rules, confidentiality, security, IPRs etc.
  - **Next level:** Commission Implementing Regulation became applicable from 9 June 2024.
  - List of public sector datasets with a high reuse potential for the society and economy that **have to be made available**:
    - ➢ **for free, in machine-readable formats, via APIs and (where relevant) as bulk downloads.**

Geospatial

Earth observation and environment

Meteorological

Statistics

Companies and company ownership

Mobility

Member States to report on High Value Datasets

- Under Article 5(3) of the Implementing Regulation each Member State must ‘provide the Commission with a **report on the measures** they have carried out to implement this Implementing Regulation’.
- By **9 February 2025** and then every 2 years.
- The Commission makes available **tools to make the reporting simple**, thanks to concrete SPARQL queries.

Article 5 (3): The report shall contain the following information:

(a) a **list** of specific **datasets** at Member State level (and, where relevant, subnational level) corresponding to the description of each high-value dataset in the Annex to this Regulation and with online reference to metadata that follow existing standards, such as a single register or open data catalogue;
(b) persistent link to the licensing conditions applicable to the re-use of high-value datasets listed in the Annex to this Regulation, per dataset referred to in point a);
(c) persistent link to the APIs ensuring access to the high-value datasets listed in the Annex to this Regulation, per dataset referred to in point a);
(d) where available, guidance documents issued by the Member State on publishing and reusing their high-value datasets;
(e) where available, the existence of data protection impact assessments carried out in accordance with Article 35 of Regulation (EU) 2016/679;
(f) the number of public sector bodies exempted in accordance with Article 14(5) of Directive (EU) 2019/1024.

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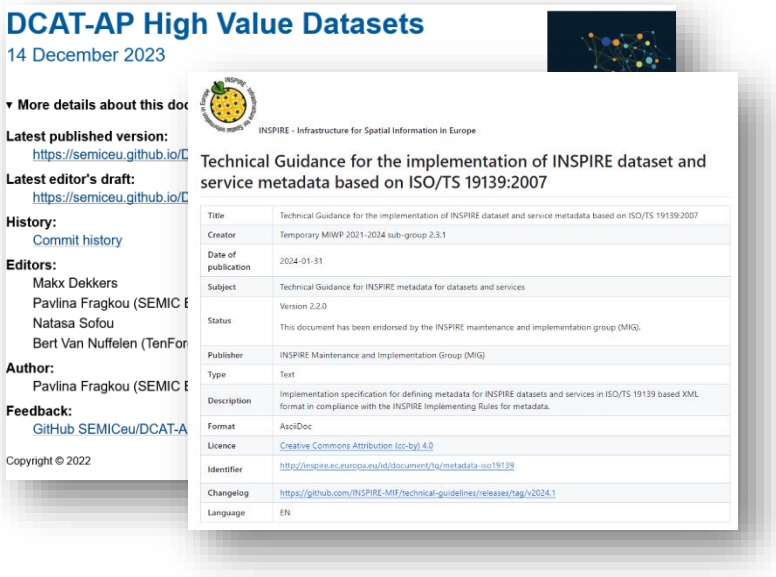
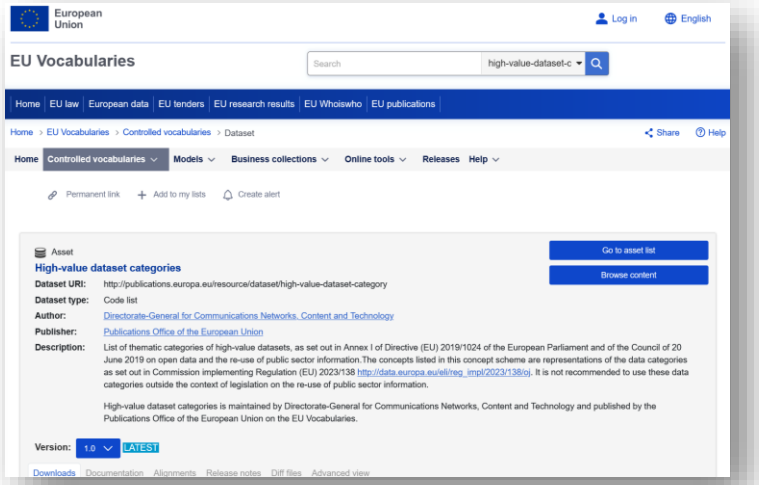
Reporting: builds on existing (improved) common practices

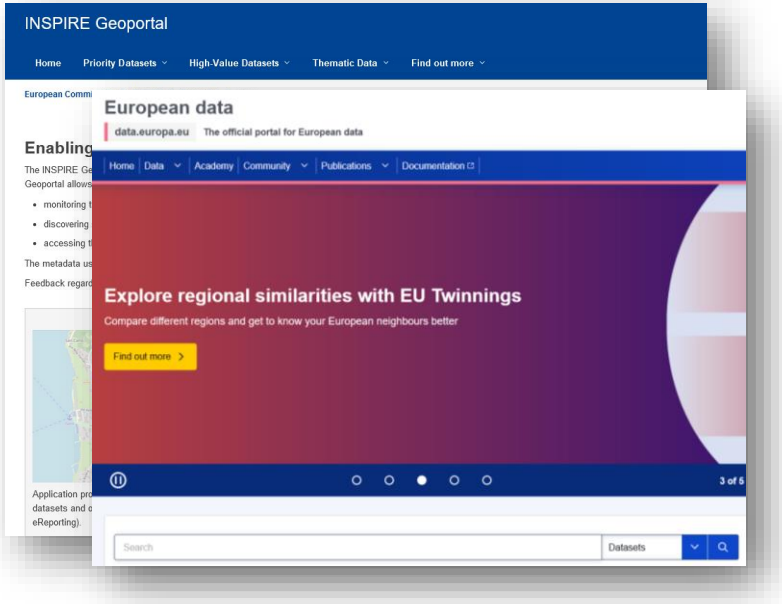
Use existing metadata **standards** and metadata **sharing networks** of data portals



Metadata standards such as DCAT-AP HVD, INSPIRE HVD guidelines



Shared code lists such as HVD categories, licences, …



Harvesting networks and data portals such as data.europa.eu and INSPIRE data portal.

Ongoing activities which are **being improved to match the HVD requirements**

Developments on HVDs reporting requirements

- 3 webinars with the Member States on the reporting requirements on HVDs (in February, June, October 2024)
- New code list for HVDs that includes titles of HVDs (from 2 October in all EU languages)
- SEMIC Recommendation: Guidelines on how to use DCAT-AP for a dataset that is subject to the requirements imposed by the implementing regulation
  - ➢DCAT-AP-HVD 3.0.0 released on 25 October
- Reporting guidelines for HVDs on data.europa.eu
  - ➢how to automate reporting thanks to metadata

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Future policies – New Commission

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Towards a new Commission 2024-2029

Boosting productivity with digital tech diffusion

To support the development of AI and other frontier technologies, **Europe needs to exploit the untapped potential of data.**

Europe needs a **data revolution**.

We will put forward a **European Data Union Strategy**. This will draw on existing data rules to ensure a simplified, clear and coherent legal framework for businesses and administrations to share data seamlessly and at scale, while respecting high privacy and security standards.

Political guidelines 2024-2029

Commissioner-Designate Henna Virkkunen

Executive Vice president for Tech Sovereignty, Security and Democracy

Mission Letter to Henna Virkkunen

- **Accessible High-Quality Data**

Ensure high-quality data is available to European innovators addressing the scarcity of fresh datasets for AI.

- **Streamlined legislation**

Clarify and streamline the existing data legislation to make it more coherent and understandable and user friendly.

- **International Data Flows**

Enhance, secure cross-border data exchanges, balancing privacy with innovation potential.

Our goal: building a genuine single market for data

Data Union Strategy

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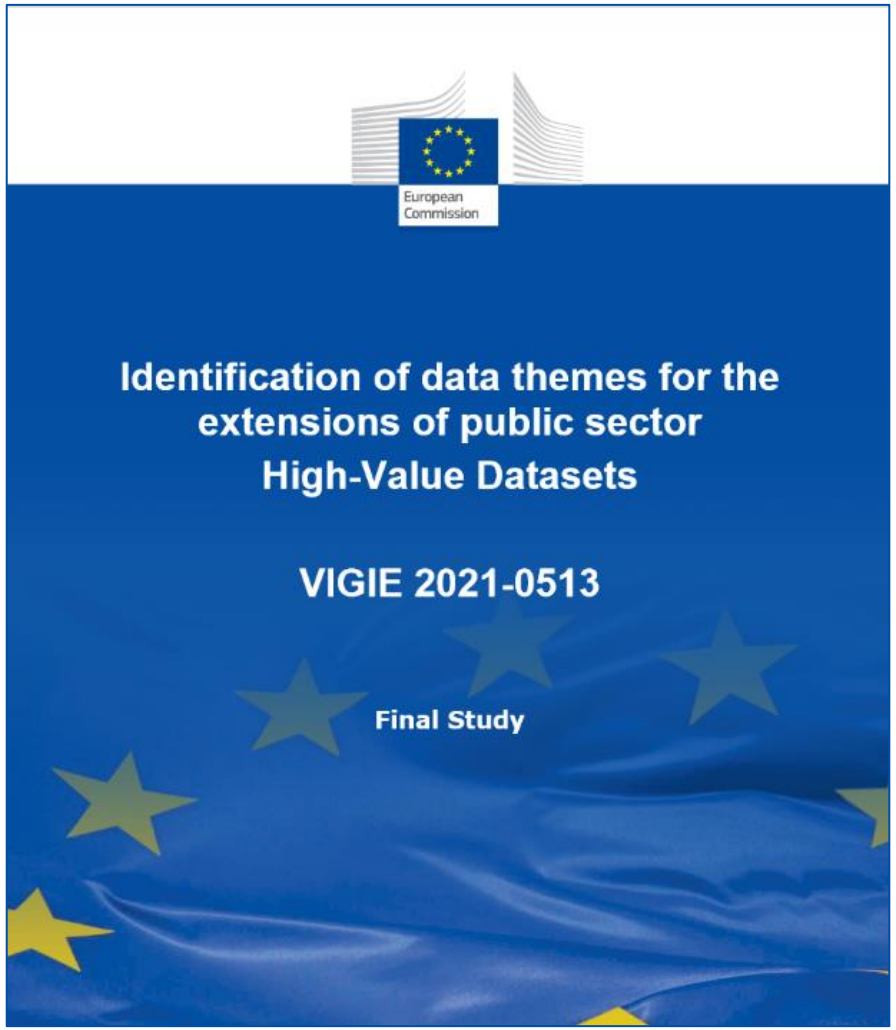
Extension of thematic categories of HVDs

- Final study published in 2023
- Potential extension data themes
- Candidates:
  - Climate loss
  - Energy
  - Financial
  - Government and public administration
  - Health
  - Justice and Legal
  - Language



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Thank you for your attention

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