DIGITALISER
DANMARK

isa
*Interoperability Solutions
for European Public Administrations*

JOINING UP GOVERNMENTS

EUROPEAN
COMMISSION

By *Adam Arndt*

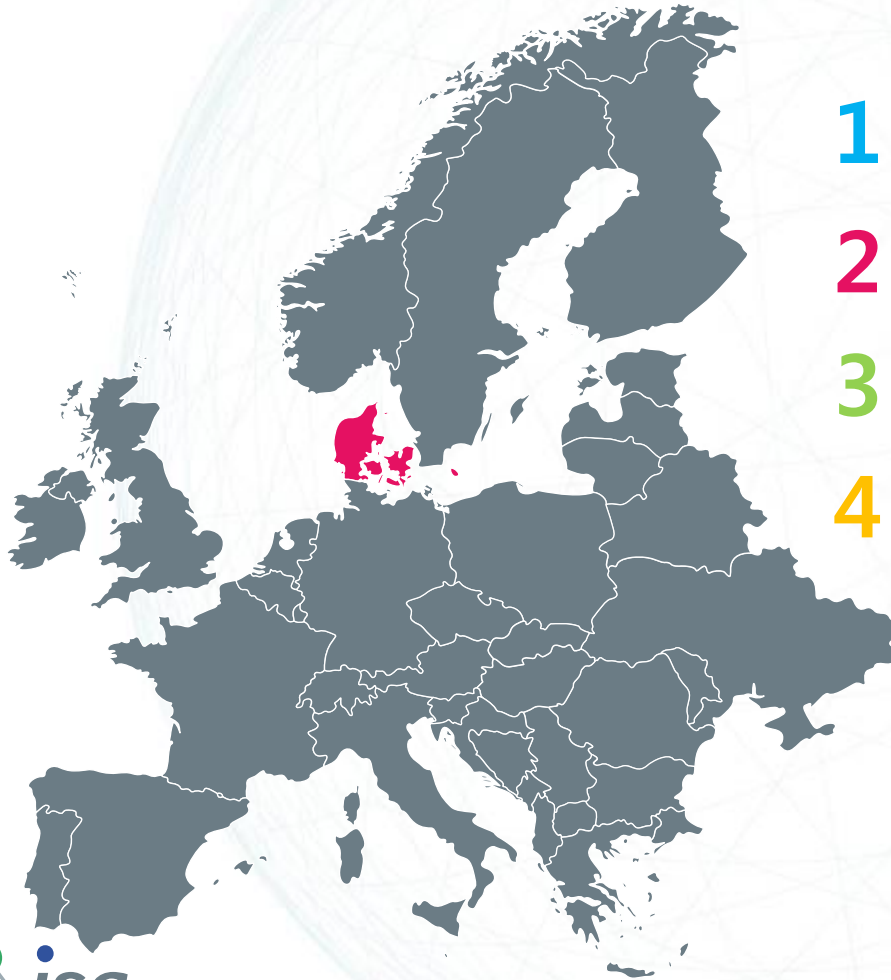# The Digitaliser.dk metadata management infrastructure

1 CONTEXT

2 IMPLEMENTATION

3 STATE OF PLAY

4 NEXT STEPS

DIGITALISER DANMARK

NUMBERS

- **5.474** registered users
- **169** registered software assets
- **746** registered data sources
- **17.489** registered xml-schemes
- **236** registered standards

DIGITALISER DANMARK

CONTEXT 1

OWNER

- Danish Agency for Digitisation

TARGET AUDIENCE

- IT practitioners
- Public administrations
- Private sector

GOALS

- Cooperation of public and private parties
- Social networking platform
- Produce and store content
- Share with others and get inspired by others (knowledge, content and ideas)

BUDGET

- Dev: ~€2 mill
- Ops: €40 k/y
- Mnt: ~€50 k/y

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Legal

- **Sharing and re-use** is not enforced.
- Semantic assets are **free to use**, **redistribute**, and **modify**.
- Application of **copyright law**.

Organisational

- **National level** with **no policy domain restriction**
- **Any user** can upload and download assets
- There is **no formal process to assess** assets
- **Quality assurance** by appreciation of **community** of users.
- Language**: Danish**

Semantic

- **Semantic AND technical** interoperability layers.
- "**human-readable only"** (pdf),
- "**machine-readable only**" (CSV)
- "**human- and machine readable**" (XML, RDF, OWL)

Technical

- Server: **Microsoft IIS/6.0** (Web Server) and **Windows 2003** (OS).

- Programming language: **ASP.NET.**

- Authentication and autorisation: **SSL/HTTPS**

- Interfacing: **API** (RESTful)

- Metadata: **JSON** and **XSD**

STATE OF PLAY 3

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USAGE

- **Download** software assets, xml-schemes, data sources and standards
- **Upload** software assets, xml-schemes, data sources and standards
- Give **feedback**
- **Share** on social media

USAGE MEASUREMENT

- Number of **registered users**
- Number of **registered software assets**
- Number of **registered data sources**
- Number of **registered xml-schemes**
- Number of **registered standards**
- Number of **"likes"** and **"dislikes"**
- Number of **feedback entries**

Exploitation of many channels and social networks

Social networking
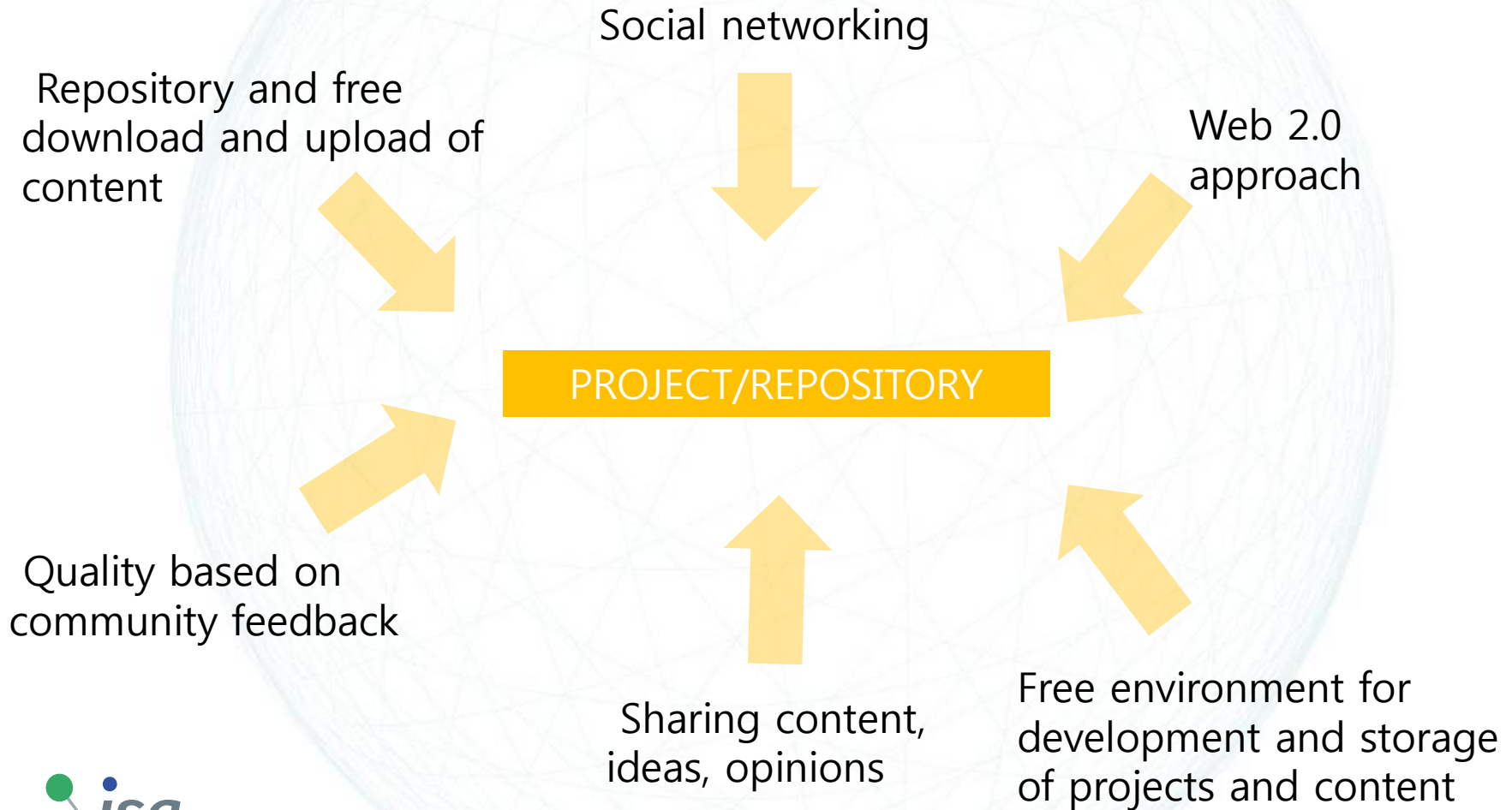
Repository and free download and upload of content

Web 2.0 approach

PROJECT/REPOSITORY

Quality based on community feedback

Sharing content, ideas, opinions

Free environment for development and storage of projects and content

Objective quality indicators

Licensing framework

Multilingualism

PROJECT/REPOSITORY

Open API

Link to other channels

[Text]
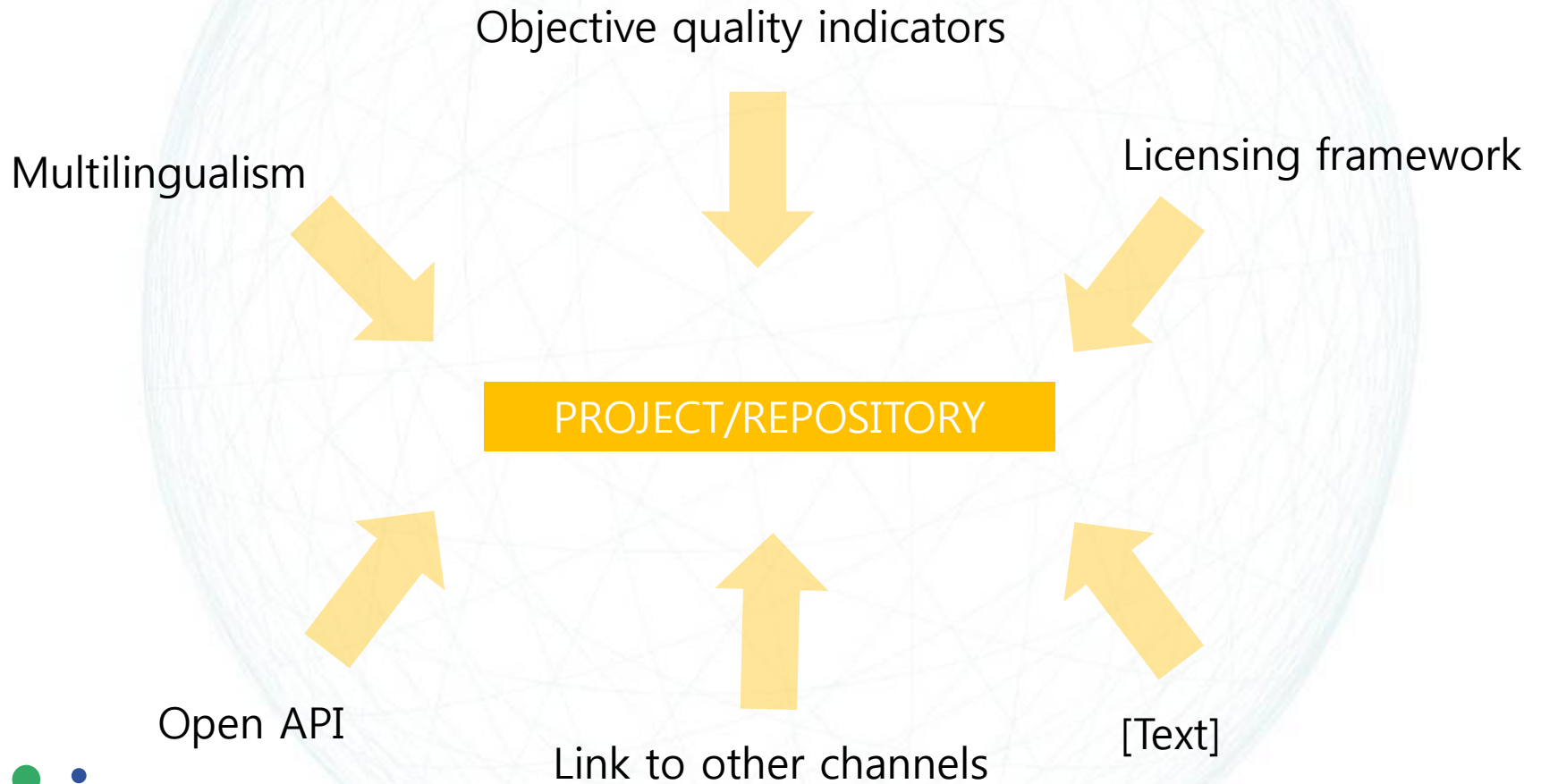
ADMS ADDED VALUE

1. Discoverability of Digitaliser.dk content
2. Increase **re-use** of Digitaliser.dk
3. Increase **interoperability** of public and private IS
4. **Common description** of Digitaliser.dk content

FUTURE PLAN

1. Map Digitaliser.dk internal data model to ADMS
2. Describe Digitaliser.dk content using ADMS
3. Open interface (API) for extraction of ADMS metadata
4. Make content available in a central repository (Joinup)

Get involved: Join ISA Initiatives on Joinup

ADMS
ASSET DESCRIPTION METADATA SCHEMA

CESAR
COMMUNITY OF EUROPEAN SEMANTIC ASSETS REPOSITORIES

eGOVERNMENT CORE VOCABULARIES

CORE PERSON VOCABULARY

CORE BUSINESS VOCABULARY

CORE LOCATION VOCABULARY

ADMS F/OSS

Annex: ISA Deliverables

Metadata Management Survey Results

Report on the existing semantic assets repositories