



# Welcome to this live webinar on Using eArchiving for F.A.I.R. access to long-term geospatial records in the digital economy

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Start 10:00

19 October 2023

## Audience notes for the Live Webinar



Your **cameras have been turned off** and **microphones muted**.



If you have any technical issues during the event, please use the chat function.



Please **use the Q&A for questions to speakers**. These will be addressed at the end of the event.



**Please note that this webinar is recorded**. No attendee personal information will be captured in these recordings.

# Agenda

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10:00 – 10:05

## **eArchiving Initiative welcome**

Jaime Kaminski – eArchiving Initiative training activity lead

10:05 – 10:50

## **Using eArchiving for F.A.I.R. access to long-term geospatial records in the digital economy**

Gregor Završnik – Geoarh

10:50 – 11:00

## **Q&A**



# Using eArchiving for F.A.I.R. access to long-term geospatial records in the digital economy

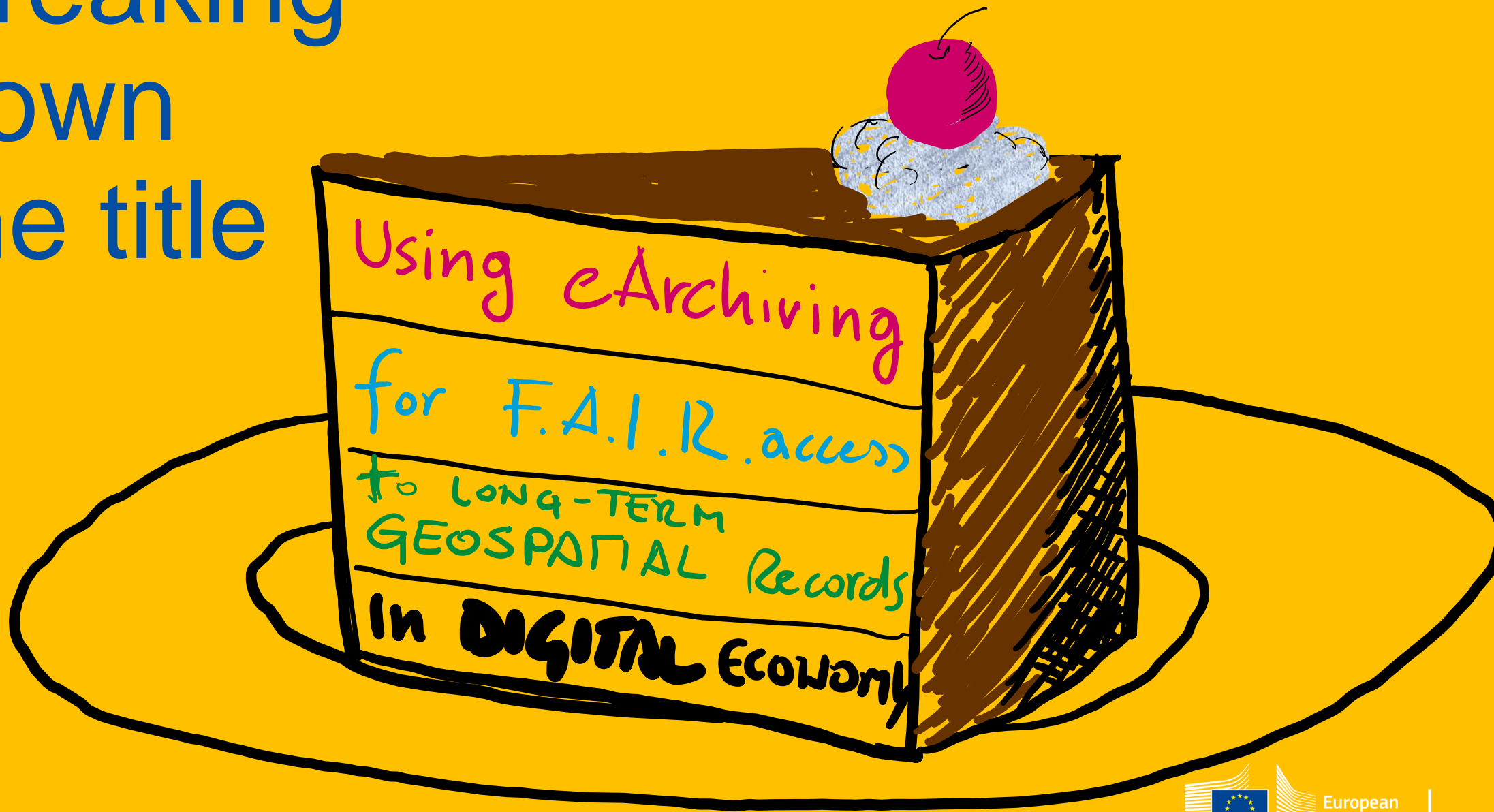
Gregor Završnik, Geoarh

*eArchiving Initiative Training Webinar*

# Overview

- Breaking down the title:
  - Digital economy ... is here
  - Long-term geospatial records
  - F.A.I.R. Access
- Getting to F.A.I.R. with eArchiving for Geospatial records
- Ways forward?
- Summary

Breaking  
down  
the title



- Digital

data.europa.eu - The official portal for European data

Home Data ▾ Academy Community ▾ Publications ▾ Documentation ↗

Home > Publications > Data stories > The Data Governance Act & The Open Data Directive

03 February 2021

## The Data Governance Act & The Open Data Directive

- digitised books from libraries.

In the  
th

Allowing public sector data to be easily re-used for other purposes, including commercial ones, can stimulate economic growth and help address societal challenges. Public sector is a valuable resource for SMEs and startups to create new products and services.

**A  
innovation**

<https://digital-strategy.ec.europa.eu/en/library/building-data-economy-brochure>



### Digital Economy

[Digital skills](#)

[Supporting industry](#)

[Connectivity](#)

[Online platforms and e-commerce](#)



# The digital economy is here ...

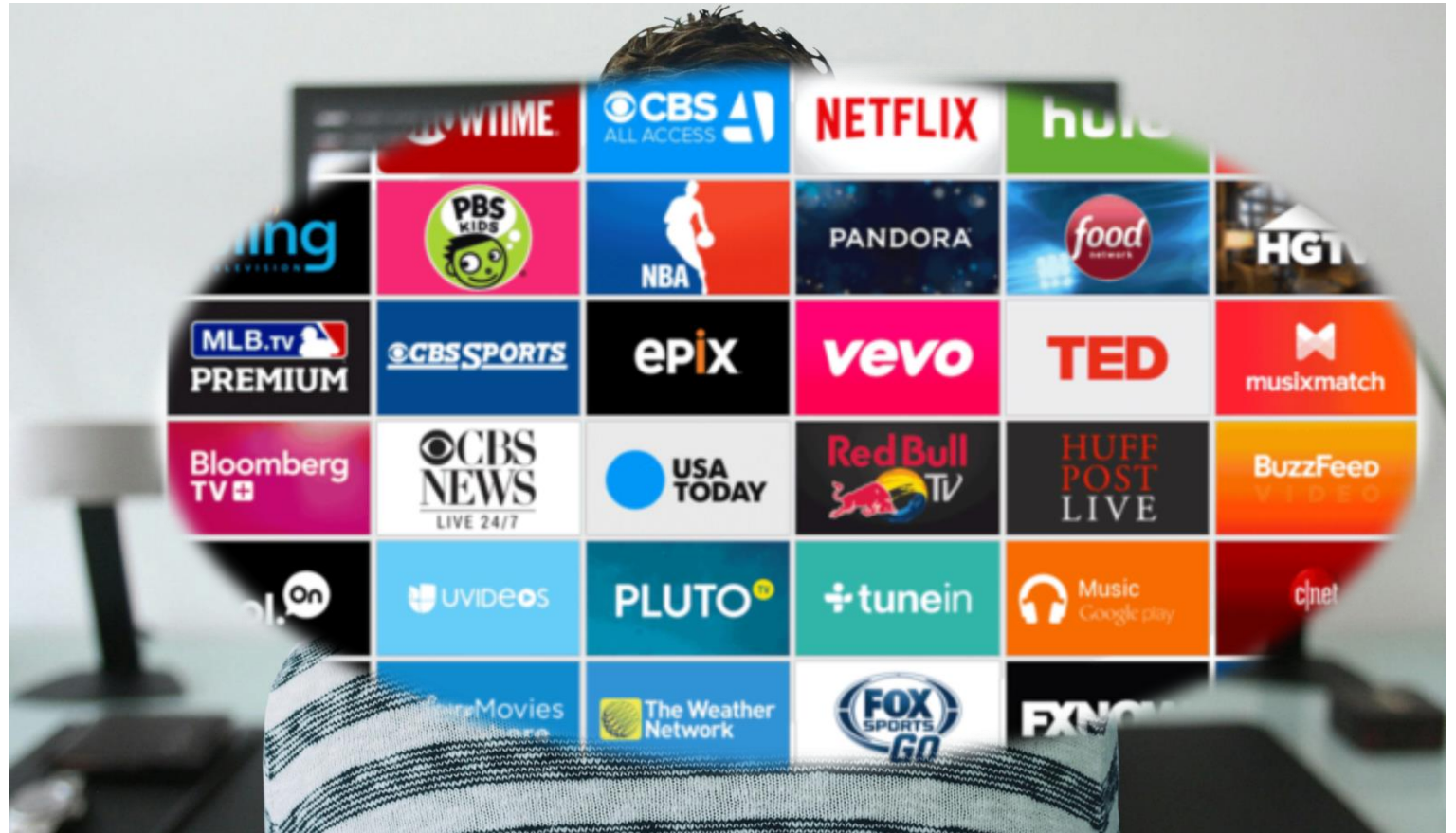
- Classic economy products:
  - Videos
  - Books
  - Official documents
- Classic economy services
  - Snail mail
  - Walking from office to office...



[This Photo](#) by Unknown Author is licensed under [CC BY-SA-NC](#)

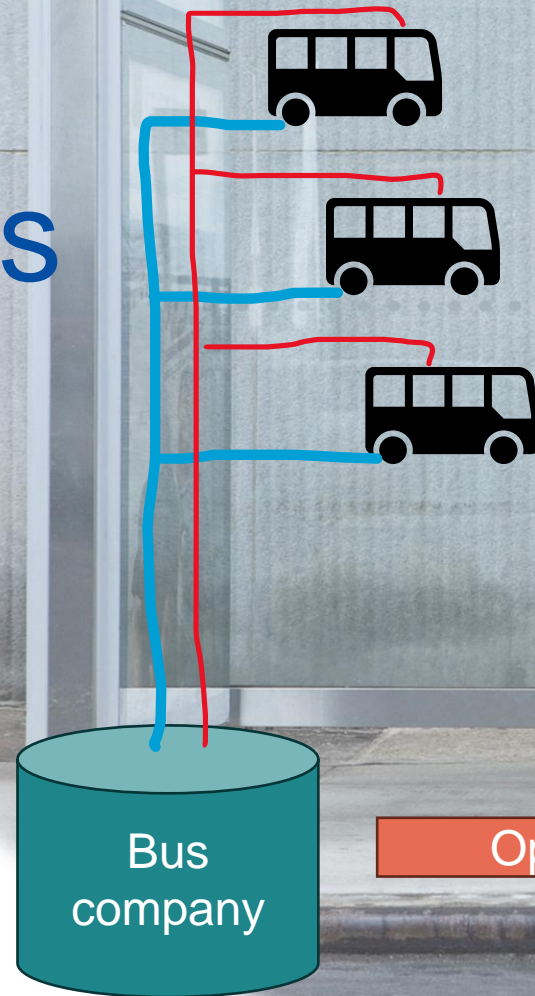
# The digital economy is here ...

- Digital economy goods
  - Videos, Books
  - Official documents
    - ePermits
    - eID
- Digital Economy services
  - Commercial
  - eGovernment
  - eSignature





The digital economy is here ...



Marko is going to the airport

Open Data Availability

ACME City App

Arriving buses

1 min	No.7 full
2 min	No.7 empty
12 min	No.9. Medium full
14 min	No.3 Medium full
20 min	No. 27 Medium full

# Geospatial records

Supporting eGovernment and Digital economy

# Everything happened somewhere

- Faster legal processes
- Faster access for suitability studies
- Faster official procedures

# Use case 1: Drilling permits review



- Drilling permit was issued in 2005
- The permit is issued to a Parcel number (as its location)
- Today this parcel does not exist
- How can we find it?

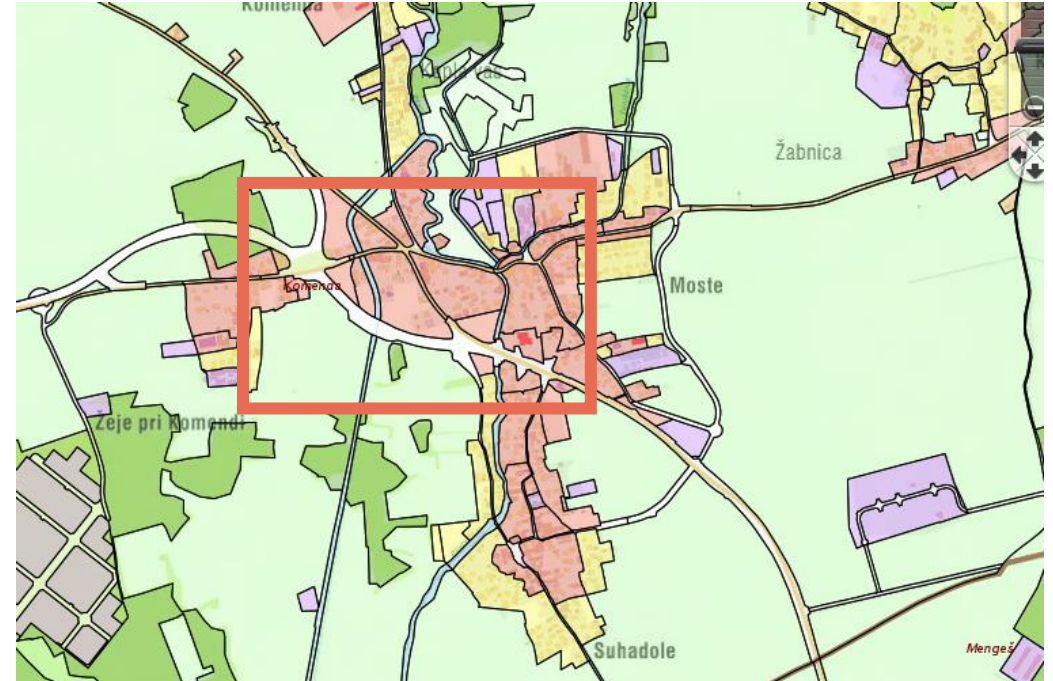
# Use Case 2: Legal accountability after flooding

- Slovenia 2023 floods



Source: <https://geohub.gov.si/>

- Old spatial plans



Source: <https://gis.iobcina.si/>

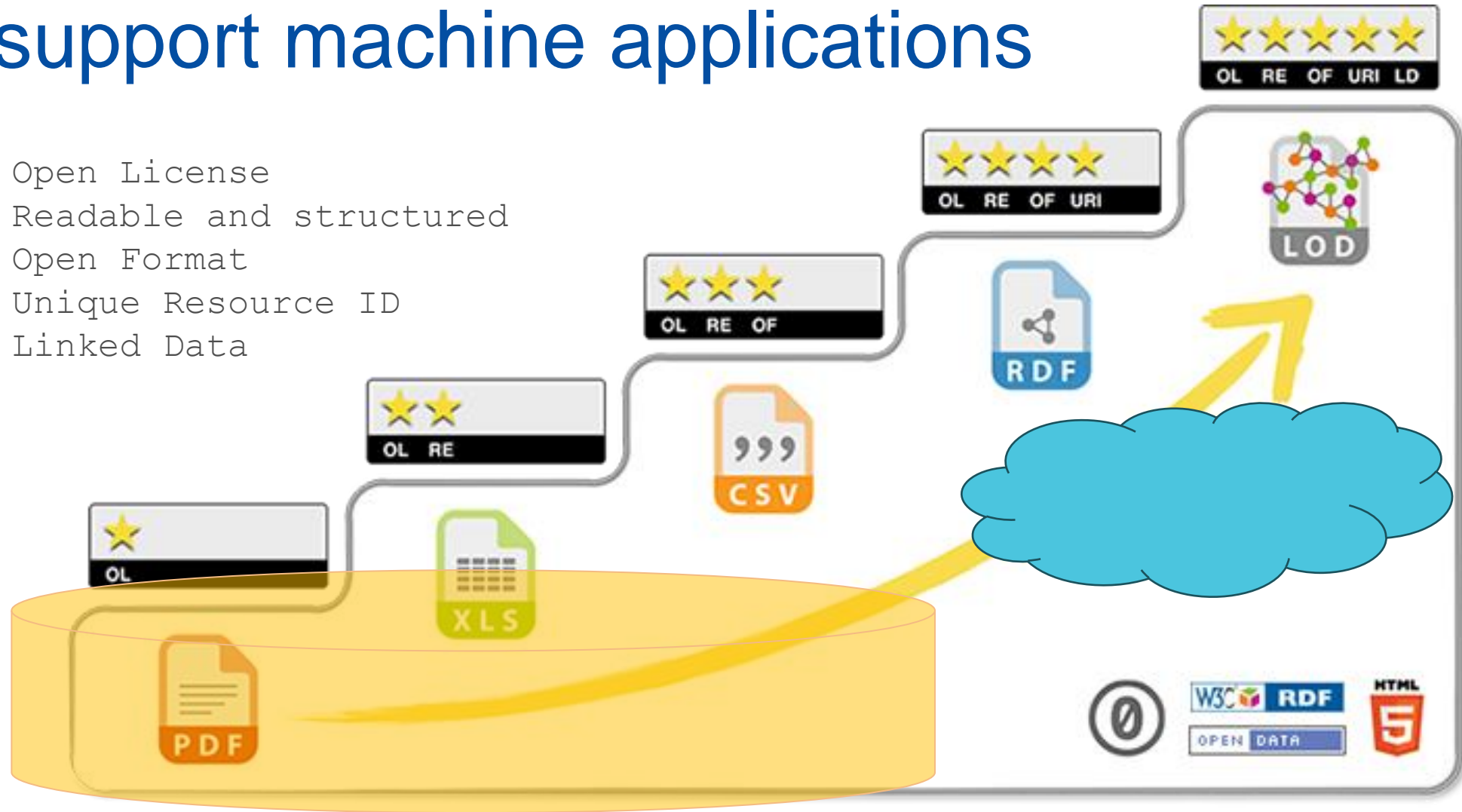
# F.A.I.R. access

# What is F.A.I.R. ?

- Findable
  - To whom?
    - People?
    - Organisations?
    - Machine applications?
- Accessible
- Interoperable
- Reusable

# Levels of Open data to support machine applications

- OL - Open License
- RE - Readable and structured
- OF - Open Format
- URI - Unique Resource ID
- LD - Linked Data



Source: <https://5stardata.info/>

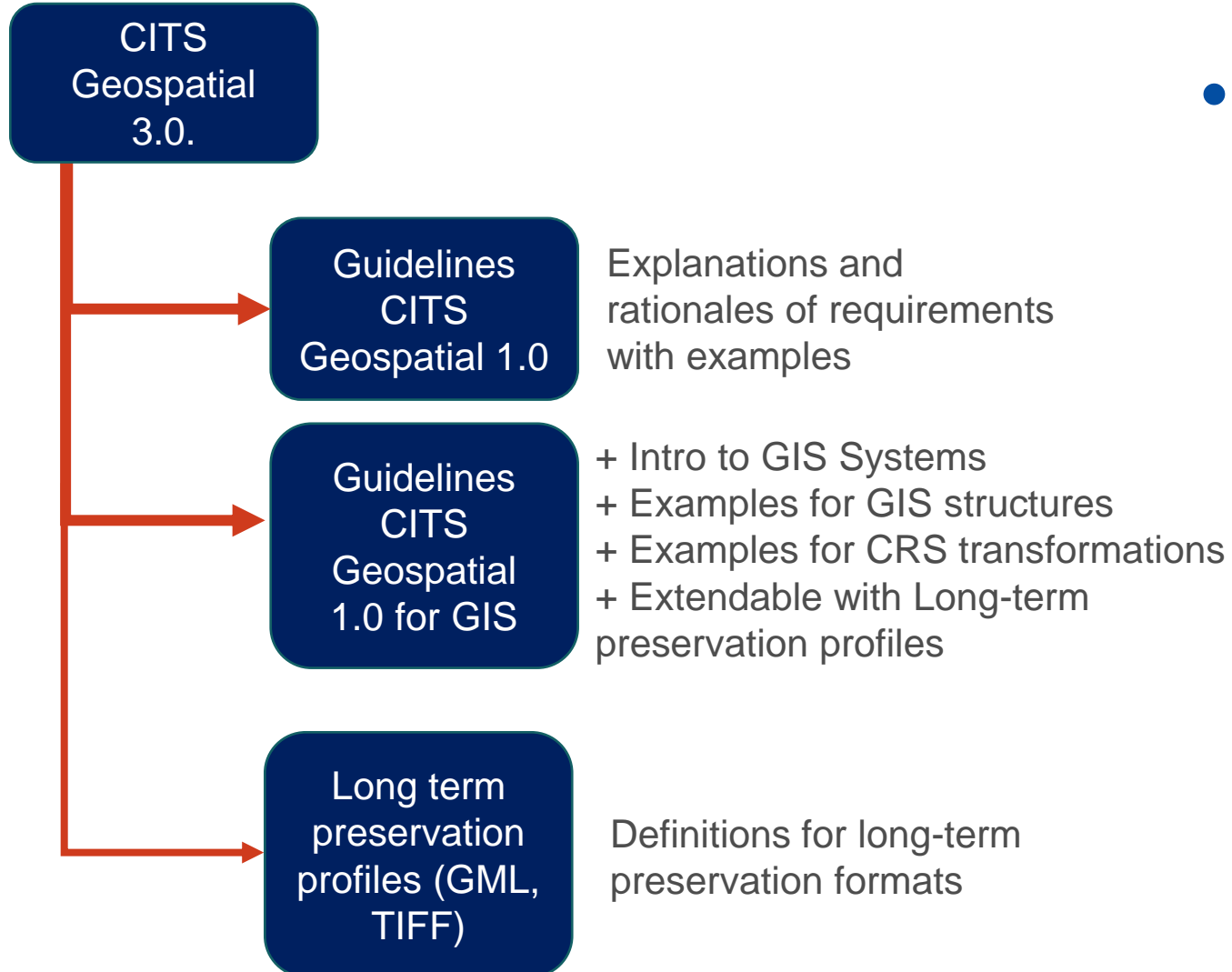


# How do we achieve F.A.I.R. availability

- Standardised metadata
- Interoperable open formats
- Persistent Identifiers
- Web access
- Linked data

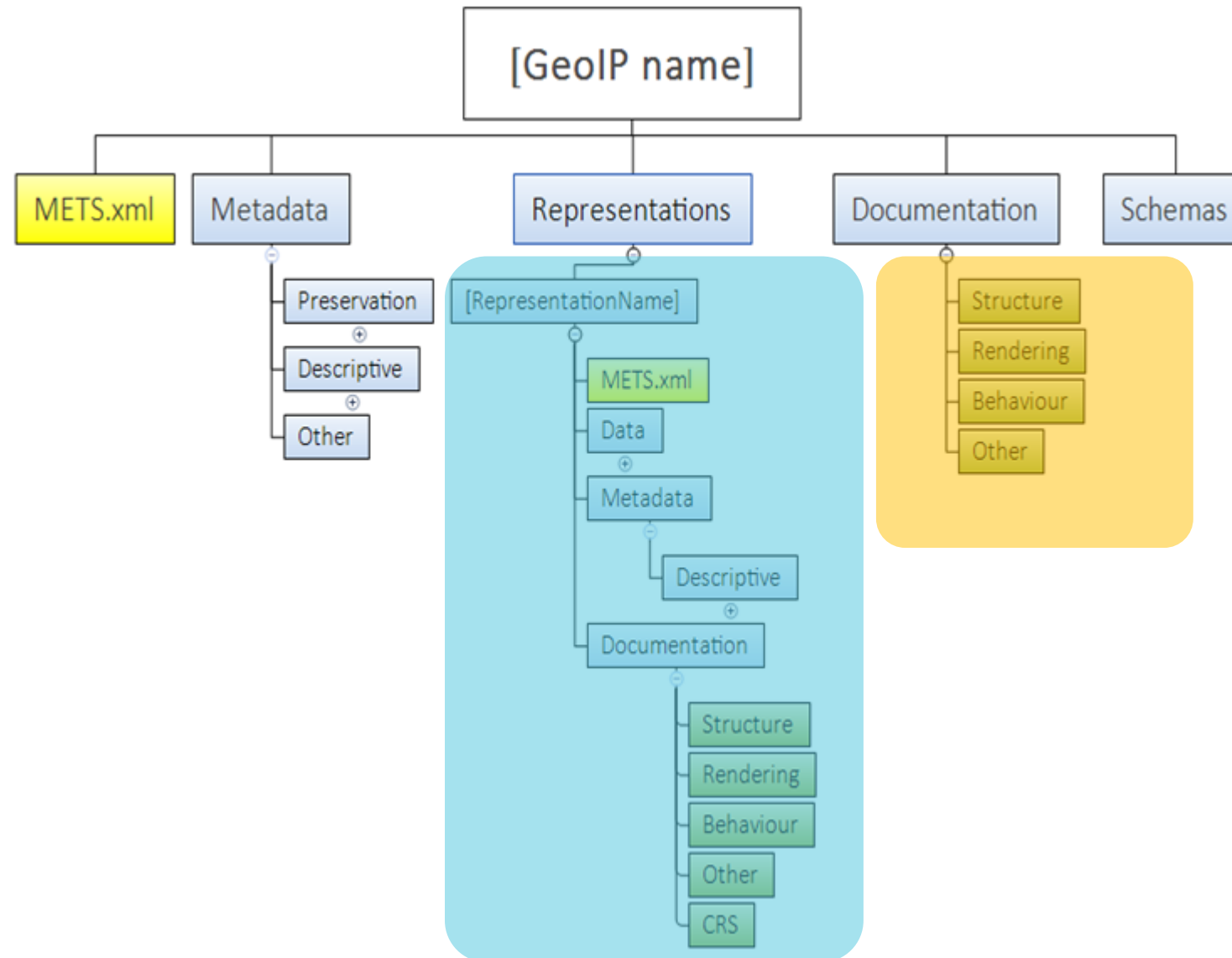
# Getting to F.A.I.R. with eArchiving for Geospatial records

# CITS Geospatial = eArchiving for Geospatial records

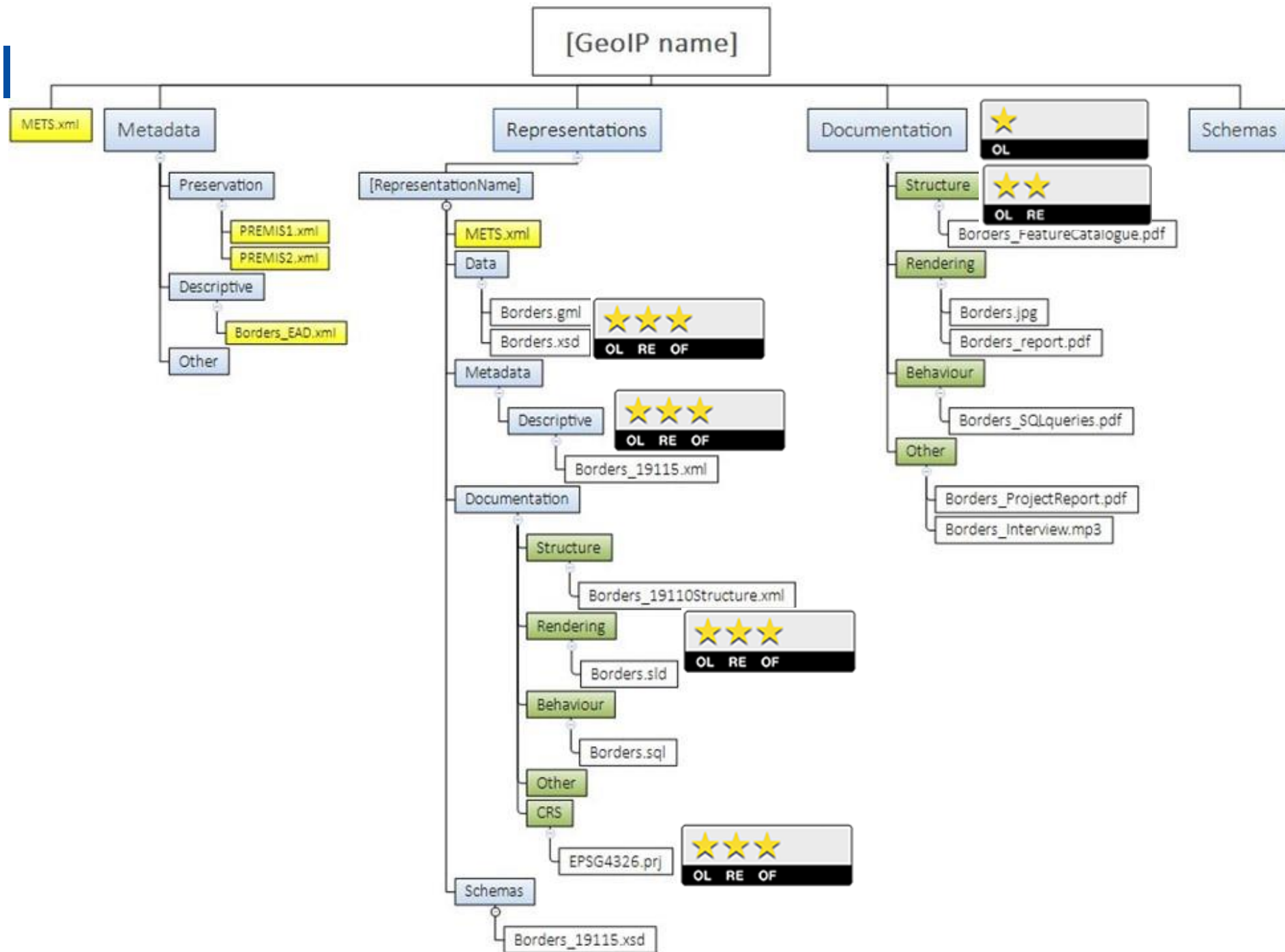


- Who is it for?
  - Organisations who manage geospatial records
  - Archives keeping digital geospatial records

# Geospatial Archival Package structure

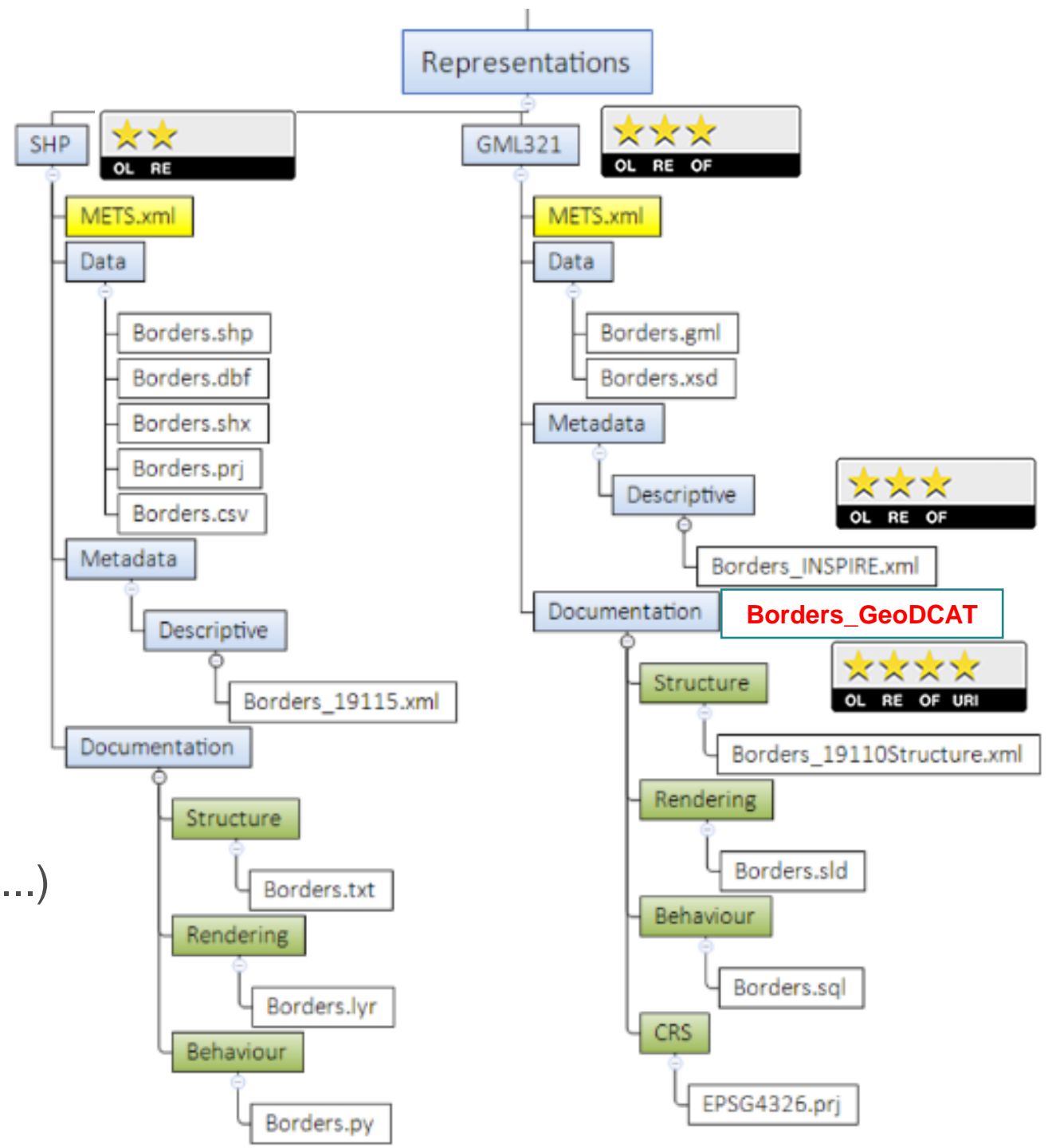


# Geospatial Archival Package structure



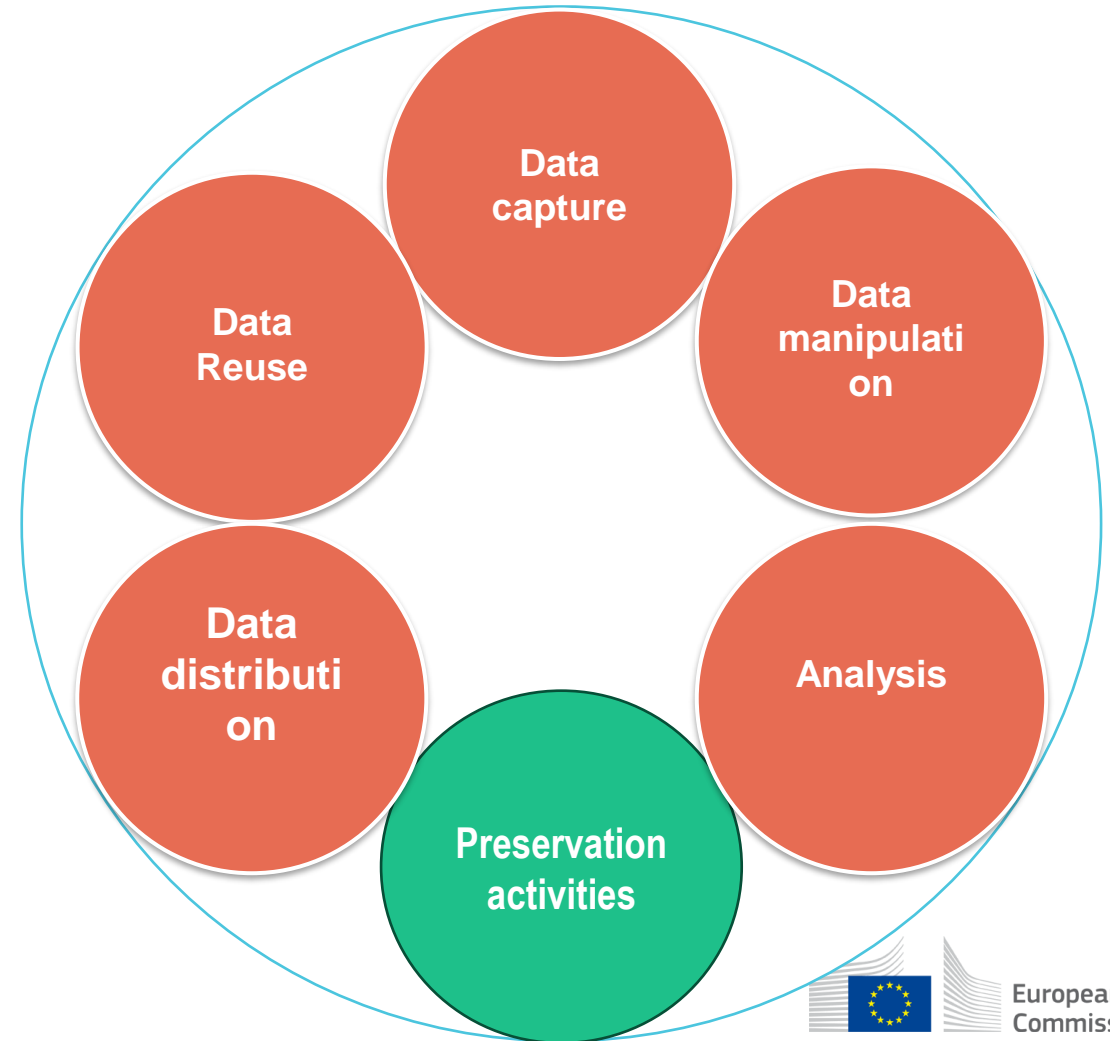
# Storing multiple types of data representations

- Original representation vs open format representation
- Possible multiple types of metadata
  - Standardised (INSPIRE, ISO 19115...)
  - Open data (GeoDCAT...)



# Archiving strategies for geodata producers

Geodata Life Cycle



- Conversion to accessible format (*long-term preservation*)
- **Documentation** and **Metadata**
- Copy to a long-term medium
- Export to archival repository
- **Publish to Open Data portals and public metadata Catalogues**

Ways forward...



# Further developement of CITS Geospatial

- Additional guidelines for Linked data and Geospatial Data Science
- Additional guidelines for usage with SIARD
- We need you to contribute your best practices
- Please try the CITS Geospatial and give us feedback!

# Summary

# Getting to F.A.I.R. with eArchiving for Geo

- Standardised metadata
- Interoperable open formats
- Persistent Identifiers
- Web access
- Linked data
- ISO 19115, 19165, INSPIRE
- Long-Term Preservation profiles (GML, TIFF)
- Archival metadata
- Publishing metadata to open portals
- **TBD**

# Summary of key statements

- Archives need to support the Digital economy by using its tools
- You can kill 2 birds with 1 stone by using eArchiving specifications and Guidelines (Archiving and Open data)
- eArchiving CITS Geospatial specifications and guidelines can help you be more F.A.I.R.



**Thank you**

## Contact



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[@EU\\_eArchiving](https://twitter.com/EU_eArchiving)



<https://www.linkedin.com/company/eu-e-archiving-initiative>



<https://www.youtube.com/@e-ark>

# Thank you



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