



What is new in CITS Geospatial and how you can contribute

DLM Geoforum, Brussels, 28. May 2024

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Introduction

- CITS Geospatial – What is this again?
- Key reported issues?
- Updates to CITS Geospatial documents?
- How you can contribute?
- Questions

CITS Geospatial - What is it?

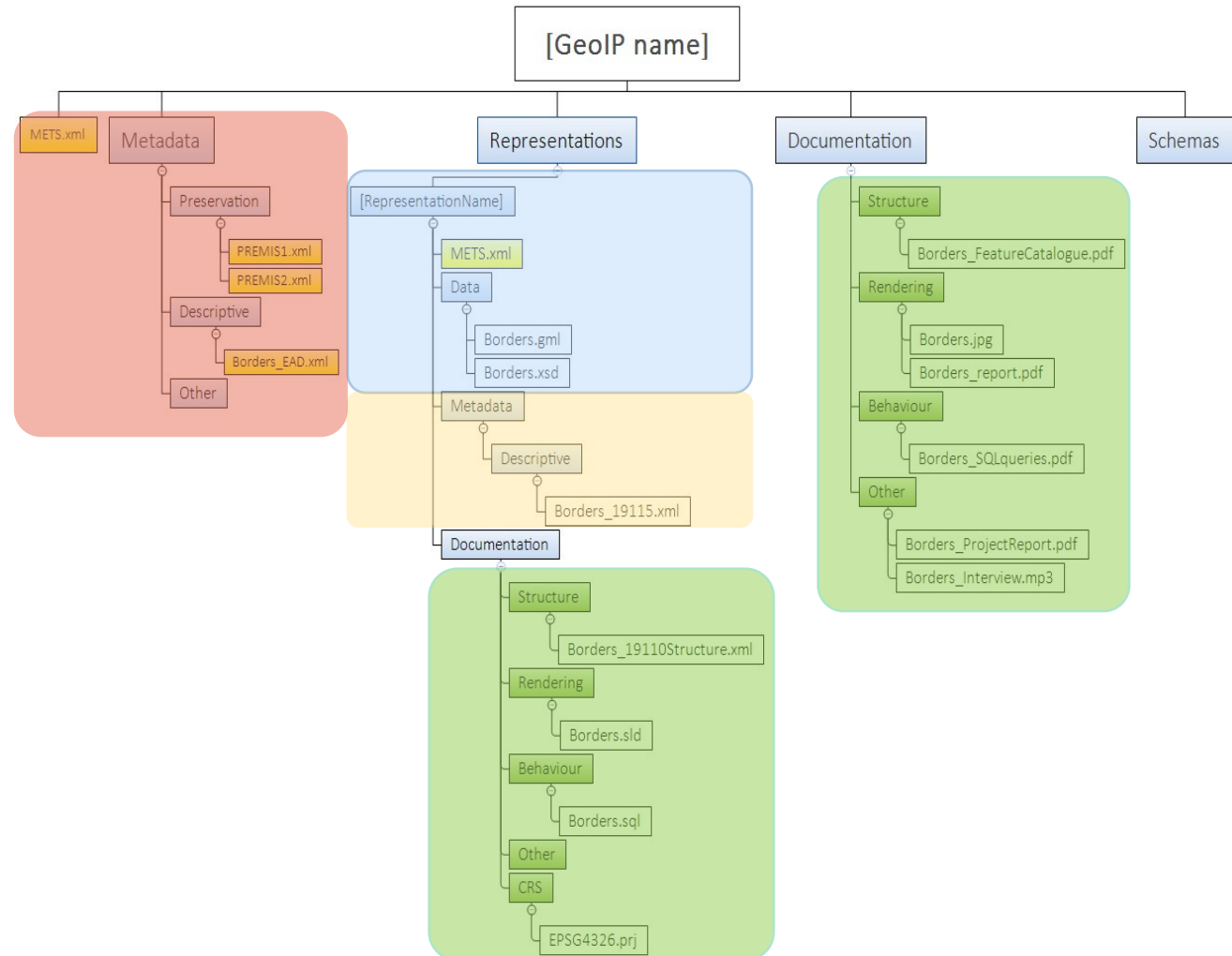
- Folder structure

- Administrative metadata

- Geospatial Data requirements

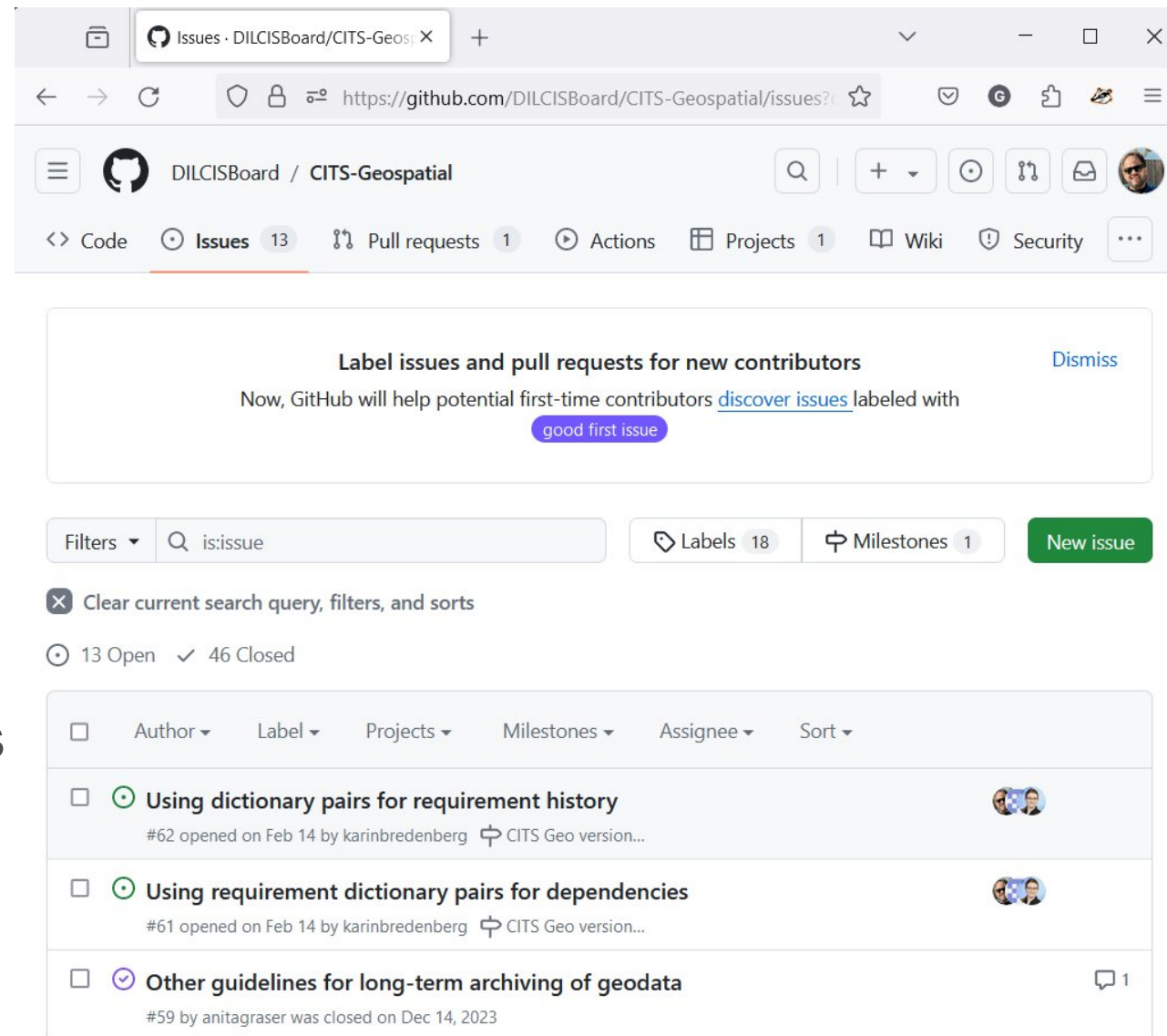
- Documentation requirements

- Descriptive metadata (ISO 19115, INSPIRE...)





Key reported issues

- Supporting Linked data, knowledge graphs and DCAT
- CRS Timestamps
- Requirements regarding cartography
- Preserving distributed environments
- Mentions of additional formats (LIDAR, Streaming data formats...)
- **59 Issues**, **46 Solved**, **13 open**

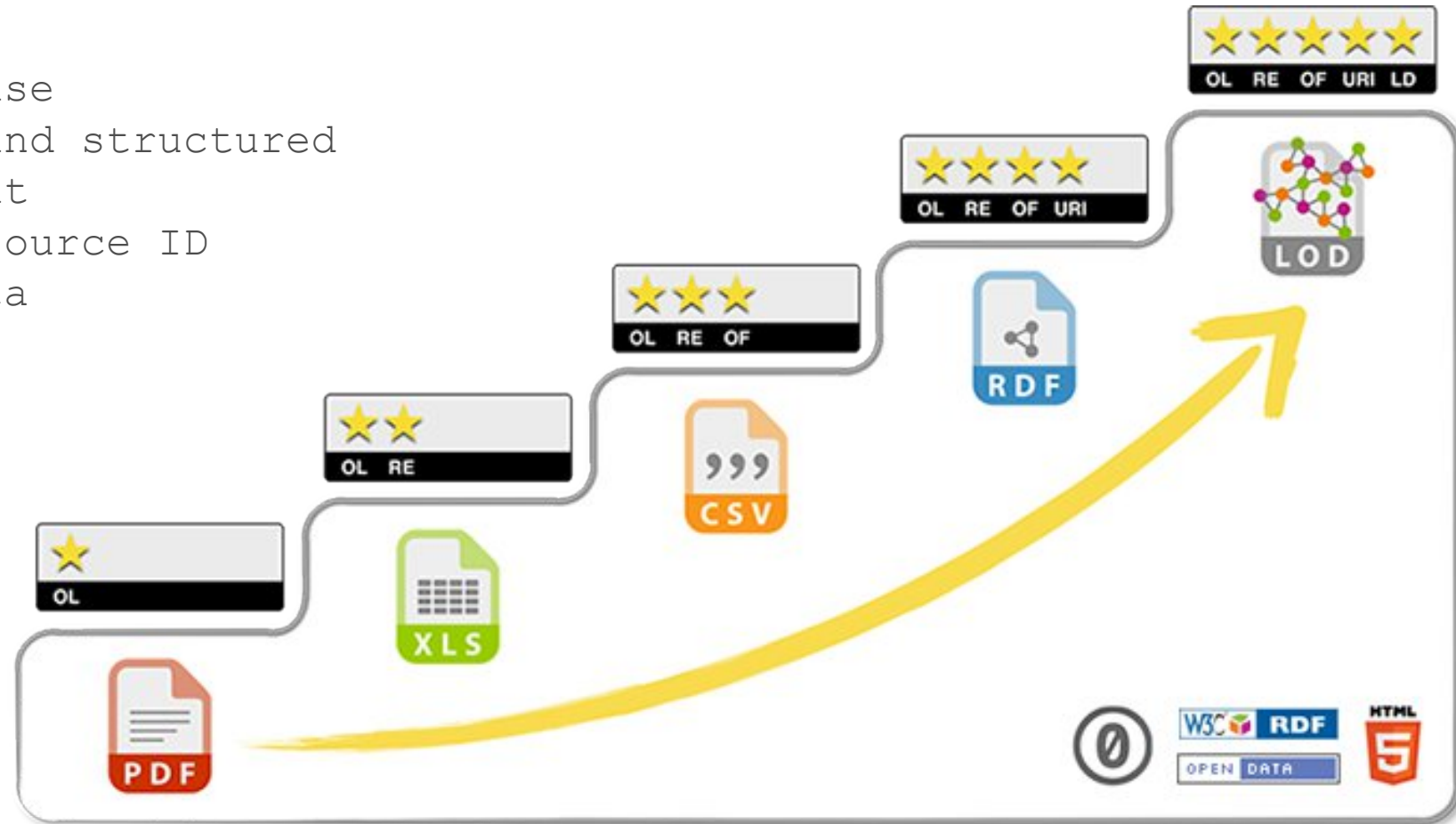


The screenshot shows the GitHub interface for the repository 'DILCISBoard / CITS-Geospatial'. The 'Issues' tab is active, showing 13 open issues. A notification banner at the top encourages labeling issues for new contributors. The search bar contains 'is:issue'. Below the search bar, there are filters for 'Labels' (18) and 'Milestones' (1), along with a 'New issue' button. A 'Clear current search query, filters, and sorts' button is also present. The issue list shows three items:

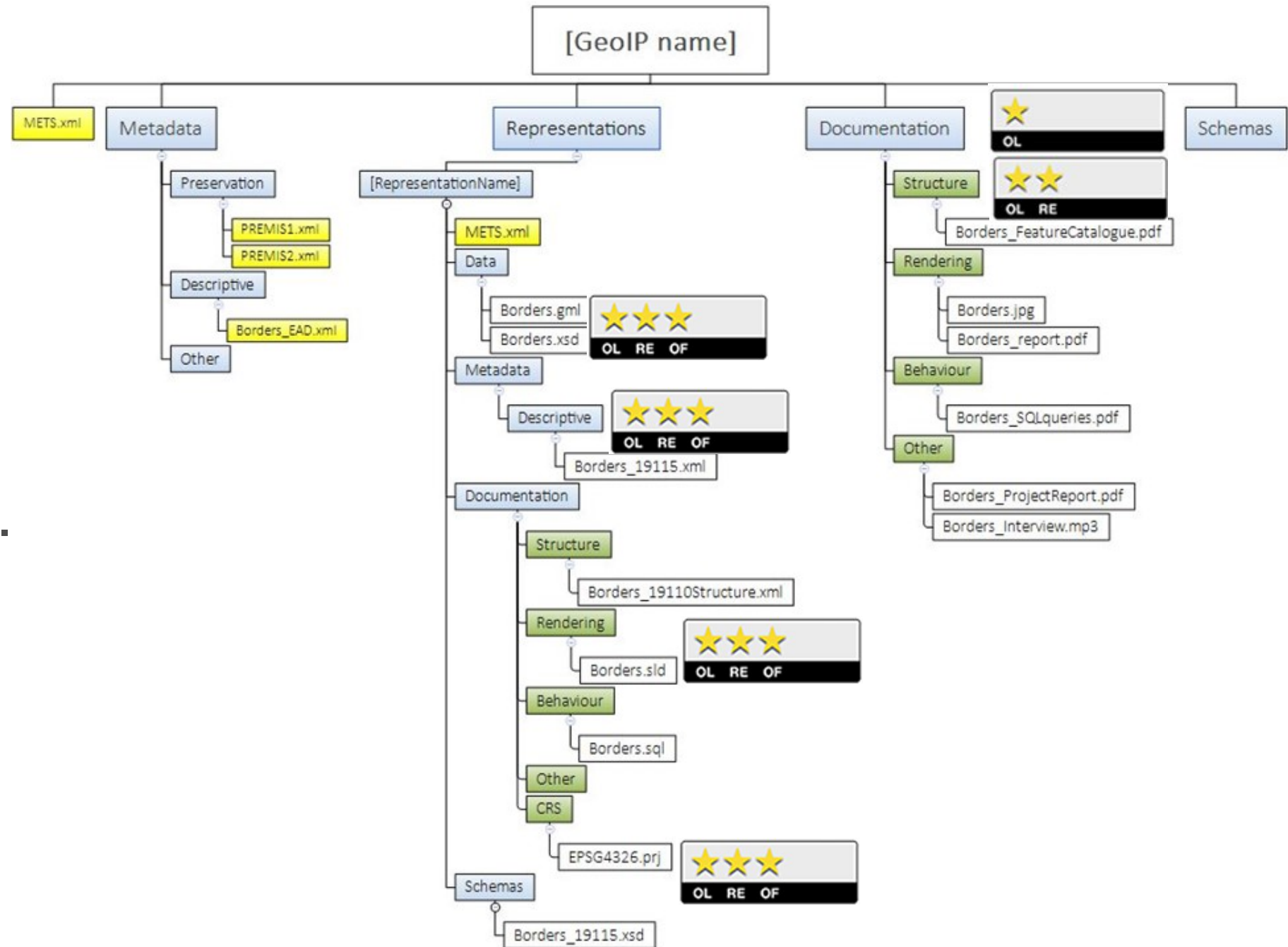
<input type="checkbox"/>	Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>		🟢				
	Using dictionary pairs for requirement history #62 opened on Feb 14 by karinbrendenberg CITS Geo version...					
<input type="checkbox"/>		🟢				
	Using requirement dictionary pairs for dependencies #61 opened on Feb 14 by karinbrendenberg CITS Geo version...					
<input type="checkbox"/>		🟡				1
	Other guidelines for long-term archiving of geodata #59 by anitagraser was closed on Dec 14, 2023					

Key issues: Machine readability/understandability

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



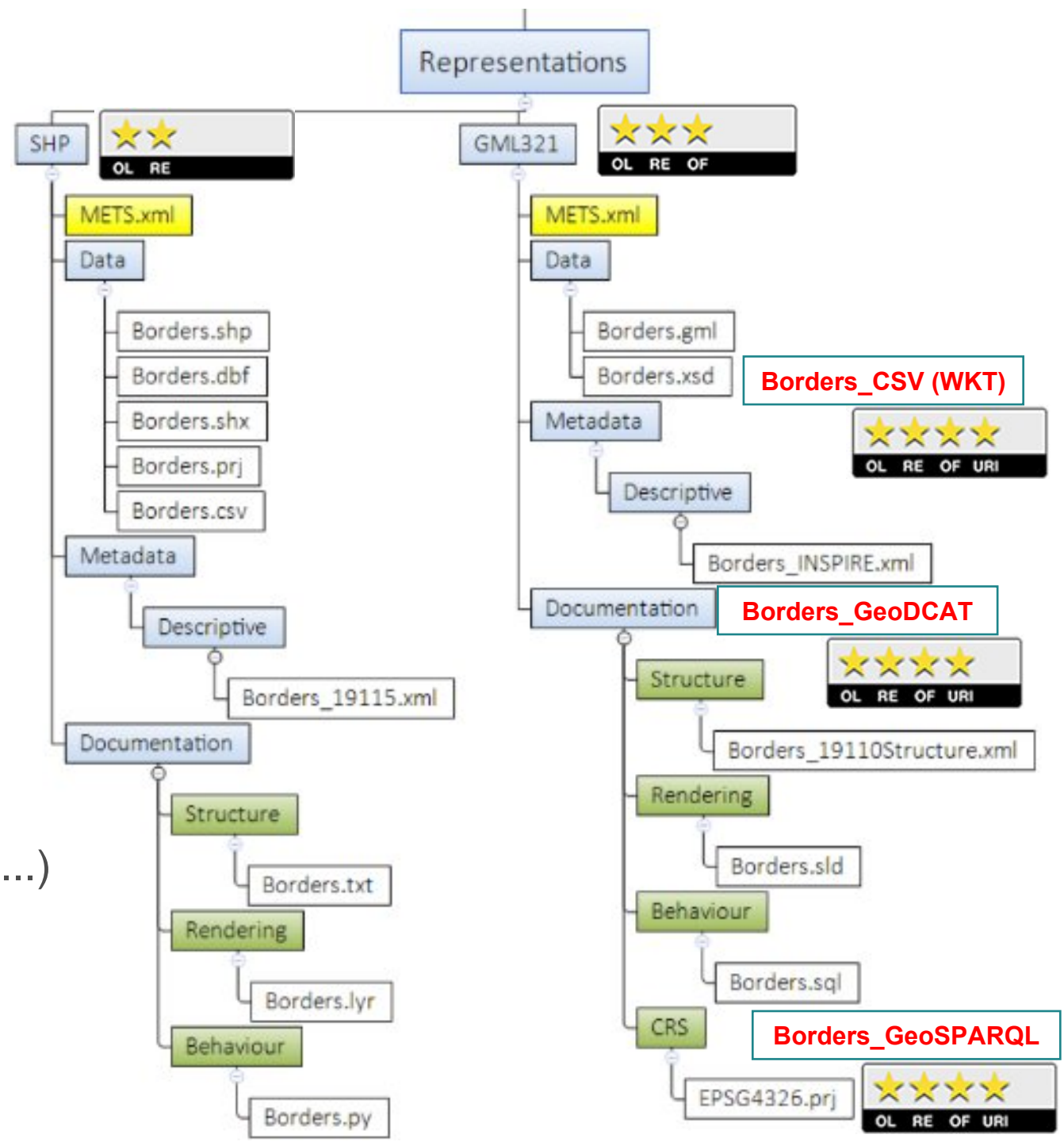
Source: <https://5stardata.info/>



- Human readable vs.
- Machine readable

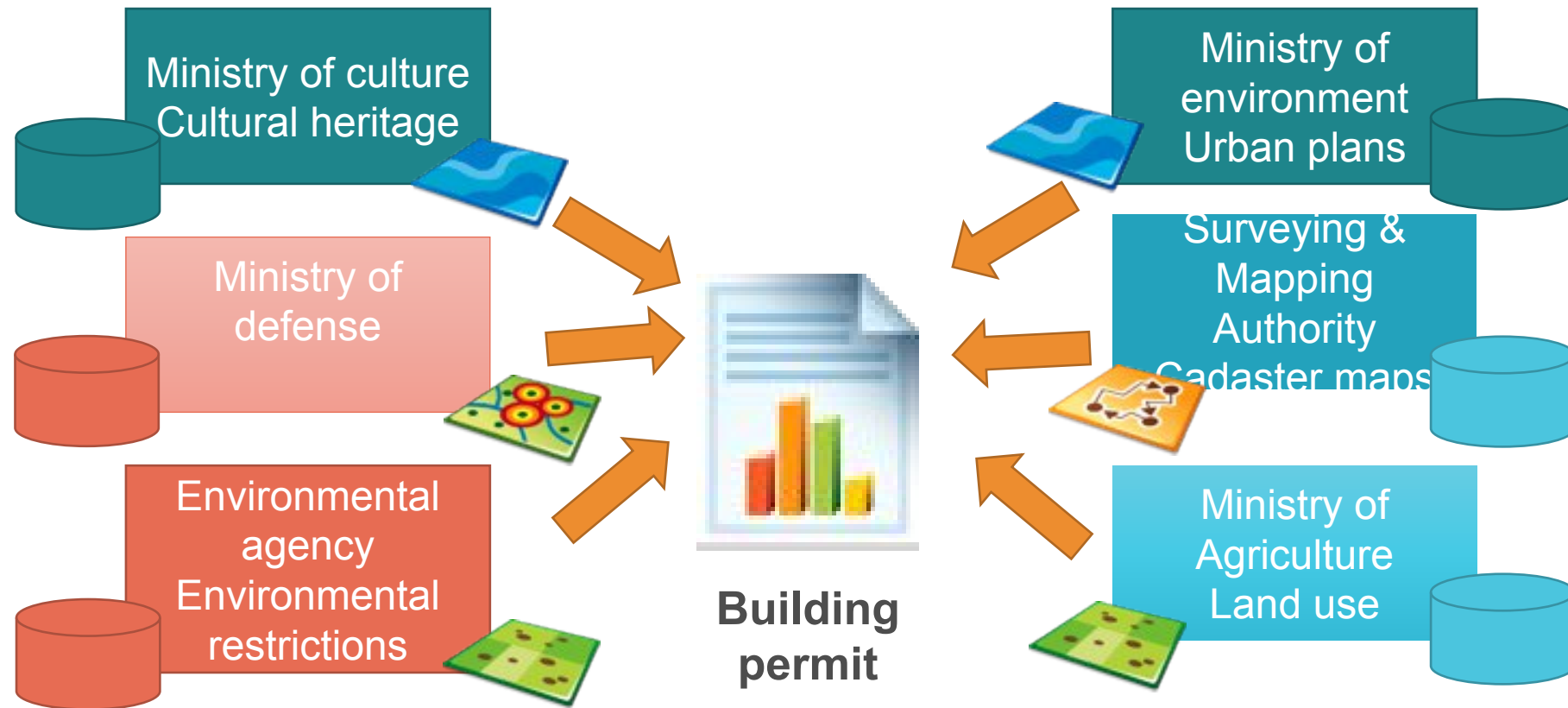
Addition to Guidelines for GIS

- Original representation vs open format representation
- Possible multiple types of metadata
 - Standardized (INSPIRE, ISO 19115...)
- Storing data for AI, linked data....



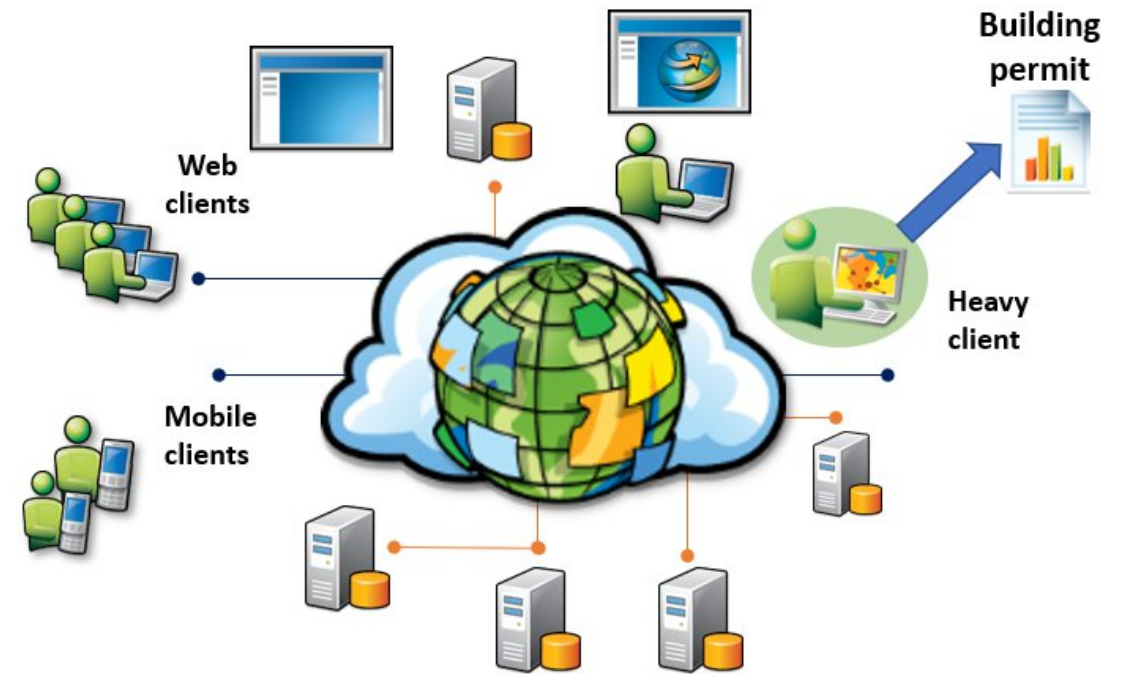
Key Issues:

Data coming from distributed systems - Example



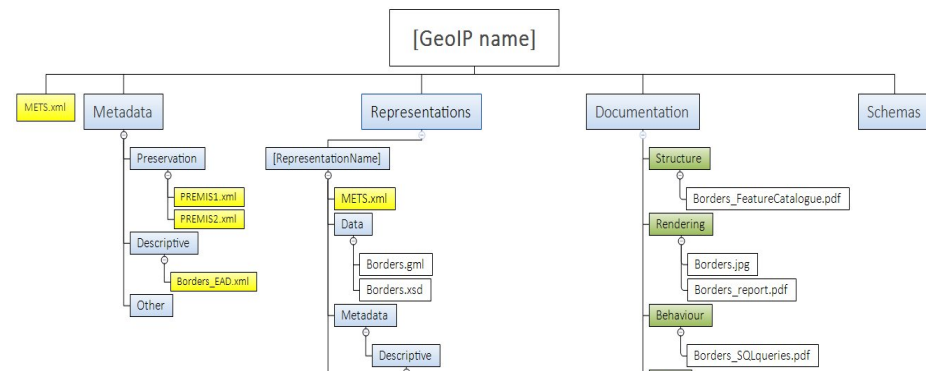
Information products from distributed systems

- Packages without origin content
- Use of globally unique persistent identifiers?
- Harmonization of databases
- **UIDs should be implemented on the CSIP level**



Change in CITS Geospatial documents

- CITS Geospatial specification (0) • **Guidelines for CITS Geospatial**



- **Guidelines for CITS Geo for GIS**
- Long-term preservation format Profile for Geospatial Vector data using GML 3.2.1
- Long-term preservation format Profile for Raster data using TIFF baseline 6
- **METS Profile – Root**
- **METS Profile - Representation**

ID	Description of requirement	M/O
D_5.2-1	GML files larger than 1 GB MUST be subdivided into smaller GML files Recommendation <i>It is recommended that GML files larger than 1 GB are subdivided into smaller GML files because GML files larger than 1–2 GB are impossible to produce, test, correct or visualise in a GIS.</i>	M
D_5.2-2	Geometries and attributes from the same geospatial vector dataset SHOULD be kept together within the same GML file	O

How you can participate?

Go here first! support@e-ark-foundation.eu

The eArchiving Support desk

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Questions?

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