Technical Guidelines on IACS Spatial Data Sharing Part 2 – LPIS and GSA interoperability

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Outline

- IACS-INSPIRE spatial data sharing

- TG on interoperability

  - Approach and development methodology

  - Main features

  - LPIS application schema

  - GSA application schema

- Next steps and stakeholders' involvement

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IACS-INSPIRE spatial data sharing

- Internal audit service of the Commission: recommendations on improving reusability of the spatial datasets of the Integrated Administration and Control System (IACS) according to INSPIRE

- Project for implementation: IACS65 with three work packages (improve discoverability and interoperability, demonstrate benefits)

- Main deliverable of WP 2: TG on interoperability of the Land parcel Identification System (LPIS) and the Geospatial Application (GSA) of IACS

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TG on Interoperability - Approach

- Neither LPIS, nor GSA was included in the annexes of INSPIRE→ dilemma:

  ➢ Extend suitable INSPIRE themes to present these datasets or

  ➢ Preserve the semantics of the IACS community?

Interoperability discussion paper

Survey
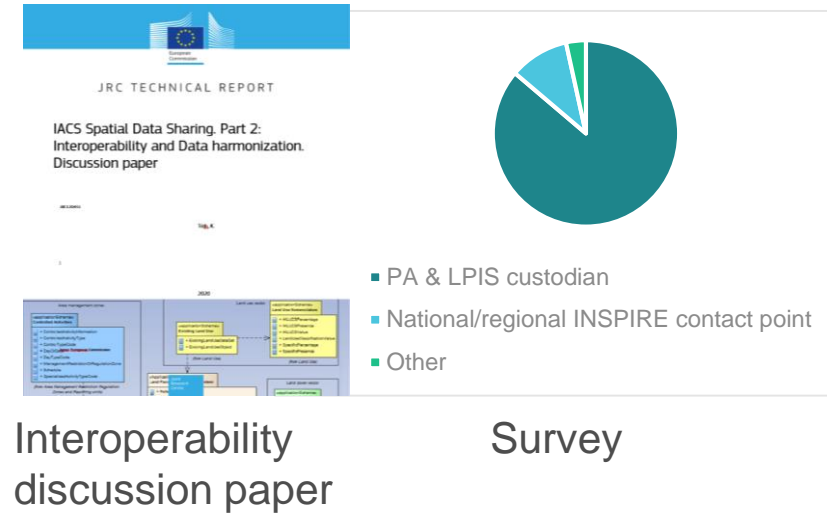
- LPIS and GSA are among the best harmonised datasets in Europe: all local implementations fulfil the same functional requirements that are stipulated by the EU law→ preserve the semantics and prepare a mapping between IACS and INSPIRE

  ➢ This approach is also underpinned by the HVD Implementing Act (references to LPIS/GSAA use the original vocabulary)

  ➢ Extending any INSPIRE theme would not resolve the biggest harmonisation issue (crop code list)

TG on Interoperability - Methodology

- User driven methodology – derive harmonisation requirements from use cases:

  - ➢ LULUCF reporting (implemented in Bg) : LPIS for geospatial tracking of managed cropland and managed grassland as required by approach 3 of R (EU) 841/2018

  - ➢ Training of crop classification algorithms (implemented in At and De): reusing original GSAA data vs. generalised data (simplified representation geometries and crop classification)

  - ➢ Identification and quantification of landscape features (implemented in Cz, Es, Lt, Ro): reusing third party data in IACS for extending environmental information (relevant in the PMEF context)

- INSPIRE artefacts and knowledge base applied

  - Generic conceptual model

  - Data specification template

TG on Interoperability – main features

- Two application schemas (LPIS, GSA)

- Most of the specified elements are underpinned with legal references (CAP 2013 – 2020 and CAP 2020-2027) and technical guidelines of the IACS community

- Starting point: IACS domain model (2016)

  ➢ All business information removed

  ➢ Concepts of the new CAP added

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LPIS specifications for INSPIRE
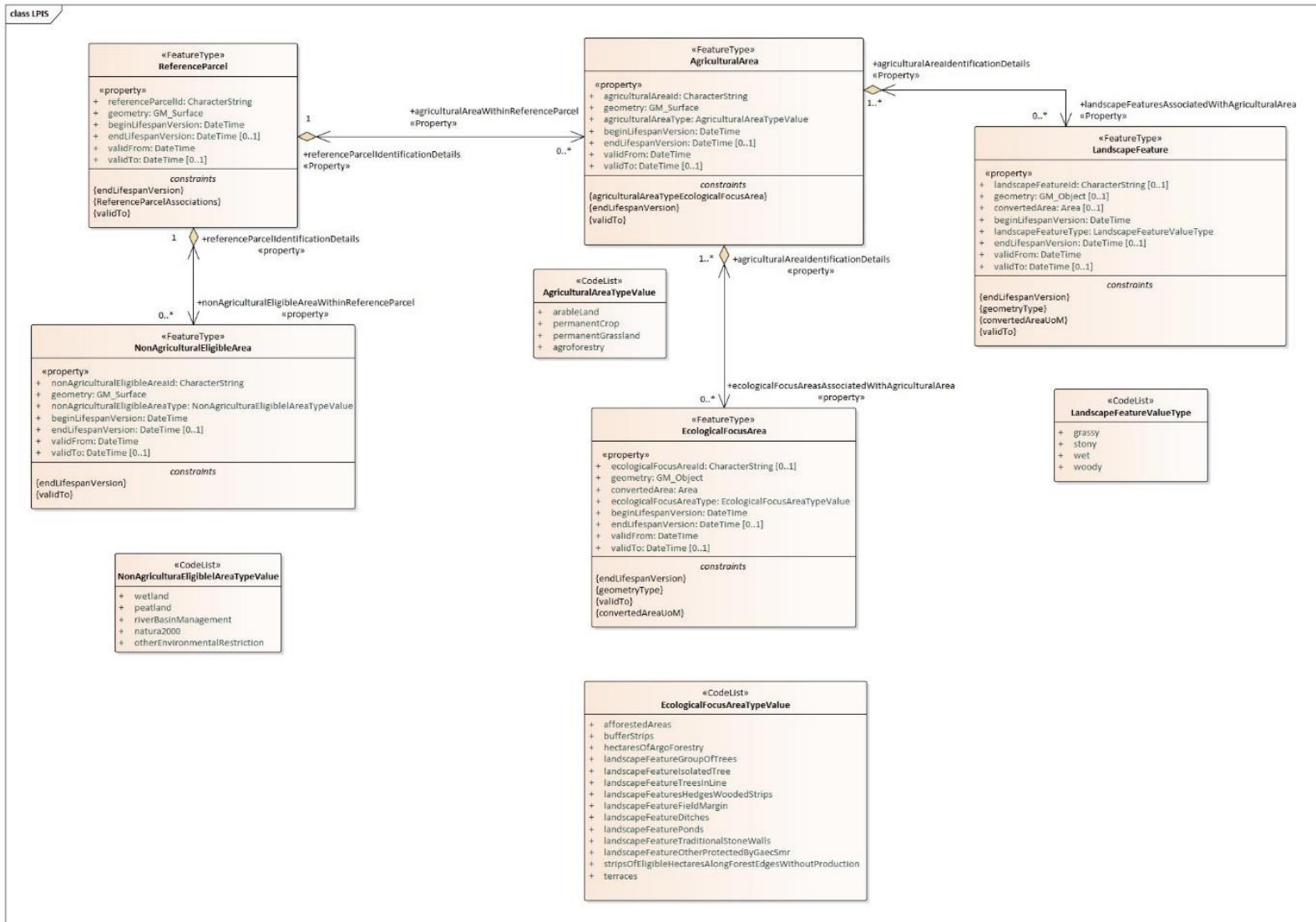
- Simplification as compared to the "internal" IACS schema (no connections to payment schemes, LPIS QA)

- LF values according to the results of the pilot

- Other data specifications elements – with references to the current guidance documents
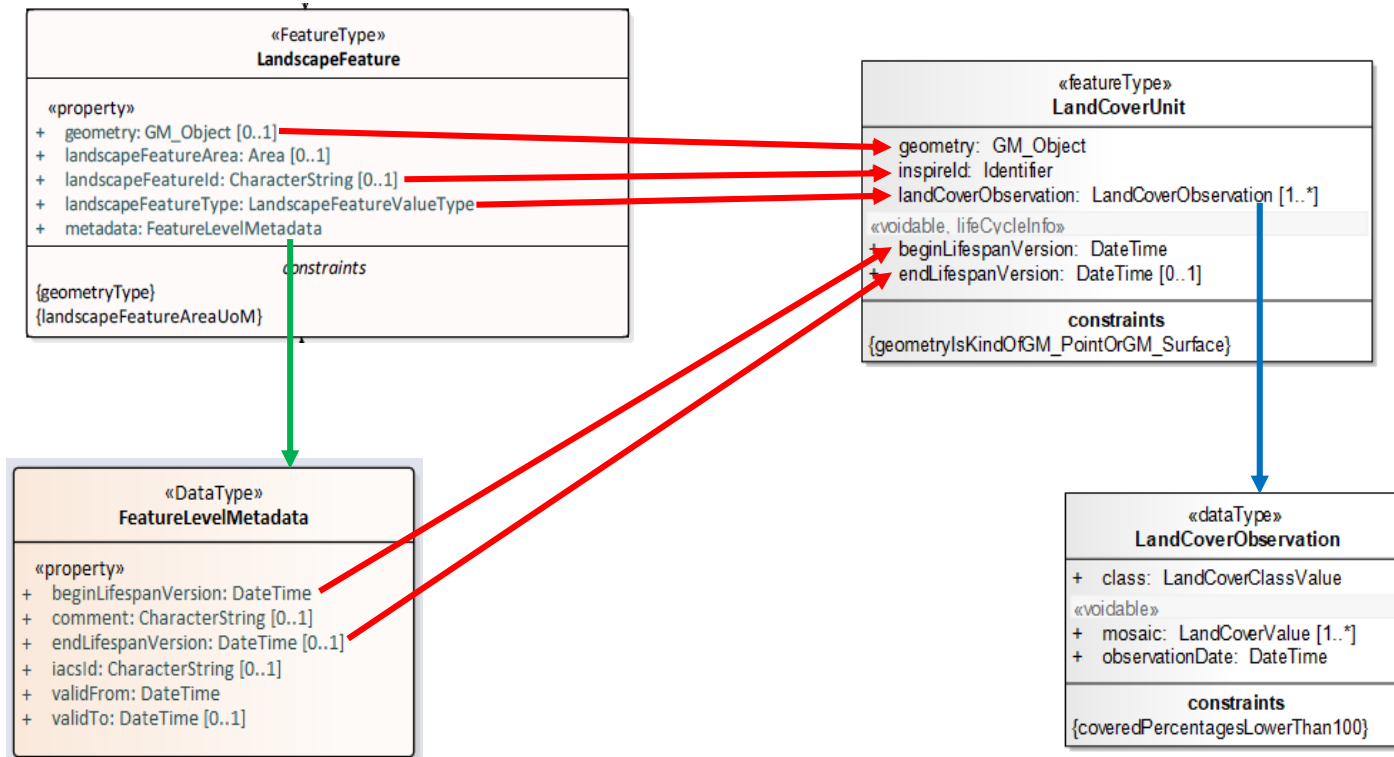
GSAA specification for INSPIRE
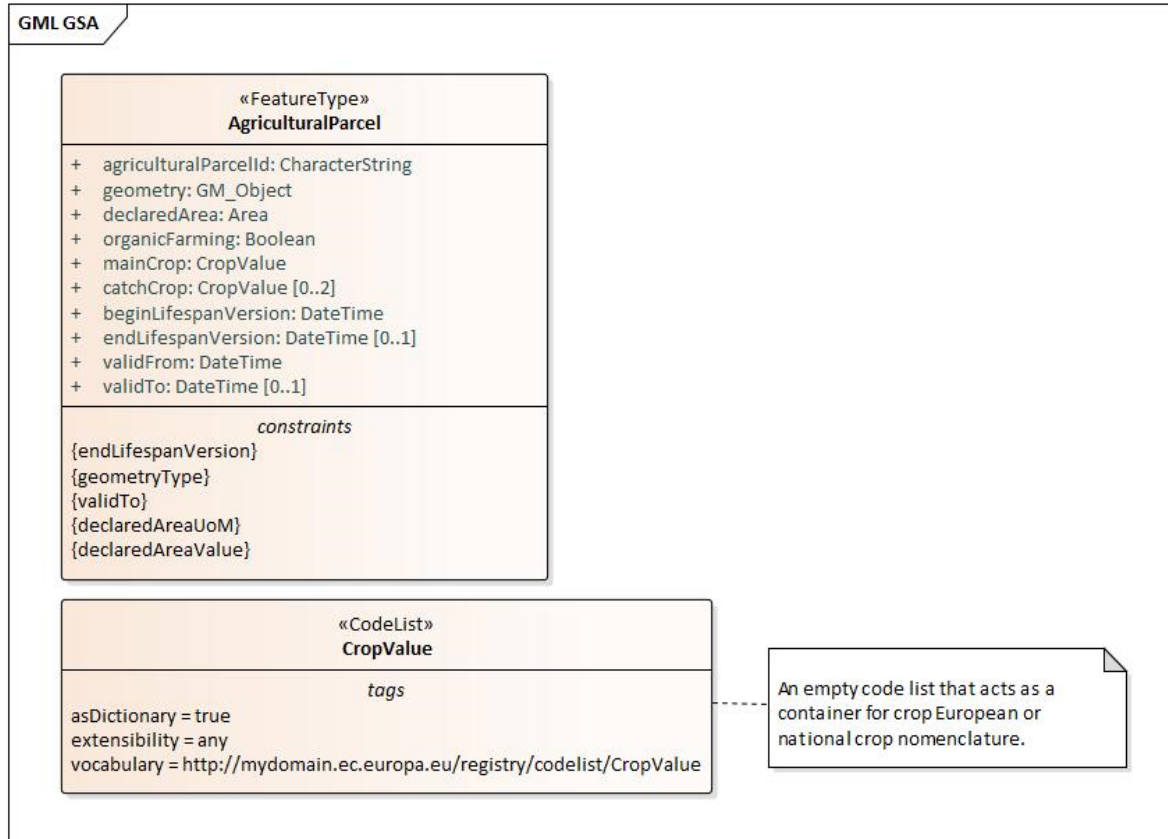
Only geospatial information, no connection to beneficiaries and payments

Crop types

- No mandatory classification system

- Publication of classification system in a publicly accessible register is mandatory

- Recommended systems: LUCAS, IFS

Mapping between IACS and INSPIRE

- From the elements of the harmonised LPIS and GSAA application schema to the elements ISNPIRE Land cover and Land Use themes

- Currently provided as Annex of the interoperability TG

Next steps

Planned
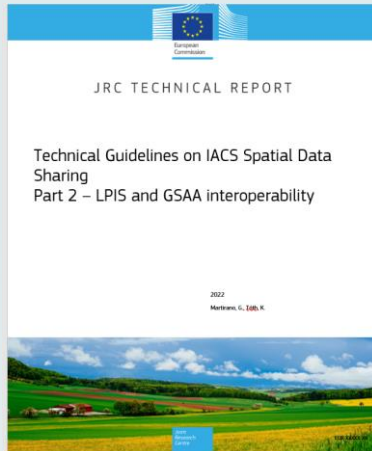
Ready

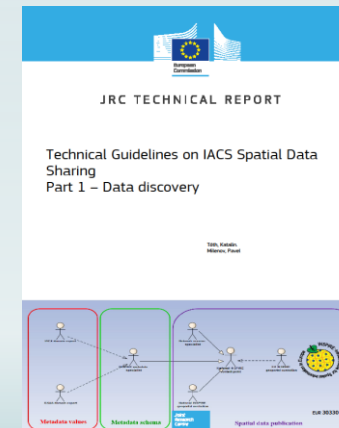- **Commenting by the IACS and INSPIRE communities**
- **Voluntary testing**

Comment resolution

Final TG

Minor updates

Updated draft after
- Internal testing
- experts' review
- Discussion at the data sharing WS (28/02)

TG Part 1
Data discovery

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Thank you

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