25th
MARS
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Prague 2019
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The European Commission's science and knowledge service
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Outcomes of the data sharing pilot
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25th MARS Annual Conference, Prague, CZ, November 26-28 2019
European
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Objectives and scope of the JRC IACS metadata pilot

Elaborate and test **INSPIRE-compliant metadata** for selected priority IACS datasets

- LPIS: reference parcels, EFAs, land cover, GAEC landscape features
- GSAA: Declared parcels with crops

Key assumptions

Being part of an e-government service, IACS data is already subject to some national "sharing framework"

Our job is to

- make it discoverable and accessible though a common entry point (INSPIRE)
- enable data interoperability though standardization
- facilitate exchange of know-how between EU MS

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Countries involved

Bulgaria
Czech Republic
Denmark
Slovenia
Spain (FEGA, Castilla Y Leon and Andalusia)

Diversity and representativeness in terms of

- Geographic distribution
- LPIS design (PhB, CP, FB)
- Level of INSPIRE implementation and the state of the art of the national spatial data infrastructure (geoportal)

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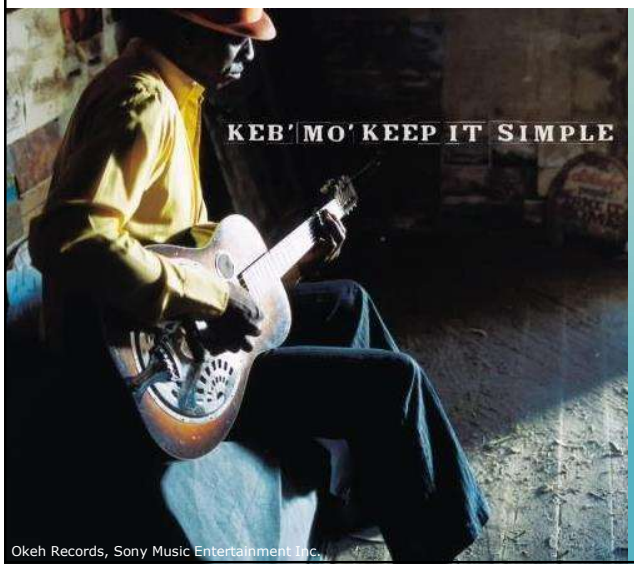
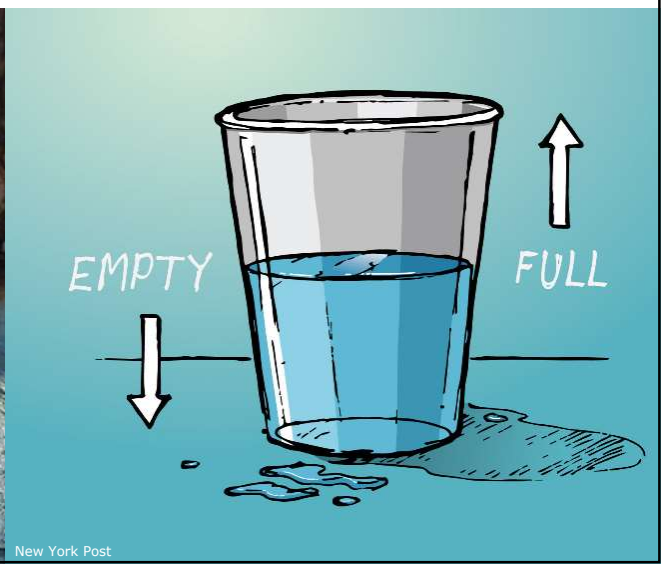
Methodological approach



Okeh Records, Sony Music Entertainment Inc.



New York Post

Outcome and Lessons learned on technical implementation

All EU MSs involved, provided INSPIRE-compliant metadata for

- the majority of the selected priority IACS data
- some extra datasets in their system

Metadata in the national INSPIRE portals is

- Already available, or under upload

Filling metadata is **not "rocket science",** but there are **"peculiarities"**
Collaboration with the **national INSPIRE point** is essential
INSPIRE helps: expertise, experience, standards, infrastructure

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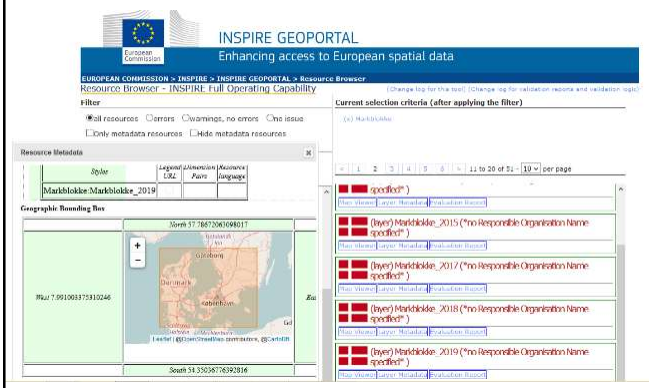
How to discover IACS though INSPIRE

Using the thematic viewer or resource browser as usual



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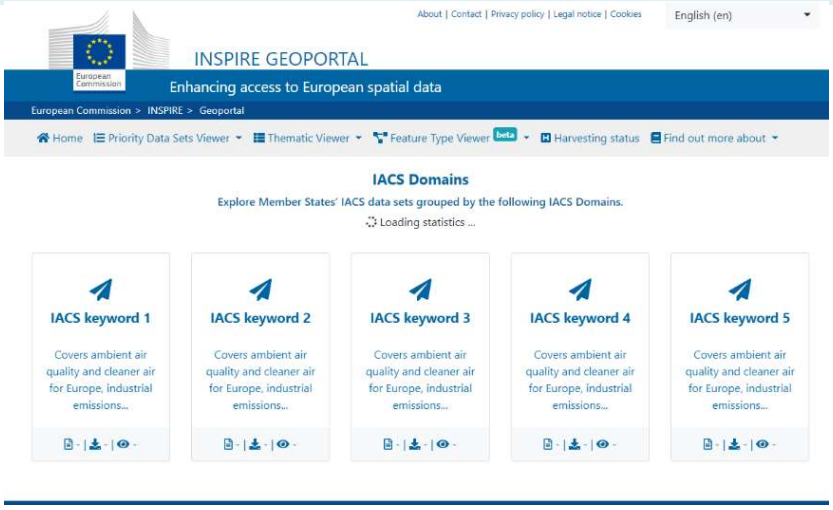
How to discover IACS though INSPIRE (2)

New IACS dedicated viewer – under development by JRC B6



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Outcome and Lessons learned on metadata content

Intensive discussions on certain metadata elements

- temporal reference, keywords, specification
- requires agreements in the community

Entries/approaches will be proposed in draft TG

IACS is not classical "dataset", but

- administrative management **system** using **dynamic** geographic information

Requires also understanding of the implicit **conceptualization of land over/land use** information before re-use in another context

- Express the nature of land and associated activities through common semantics (LCML, EAGLE)

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Opportunities for reusing IACS in LULUCF: outcomes of JRC use case pilot in Bulgaria

Considerable degree of semantic correspondence between the IPCC land use categories and LPIS land cover classes at an aggregated level

Explicit spatial and temporal properties of IACS spatial data

Other sources provide a limited information on land-use changes between particular categories.

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Any questions?

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