



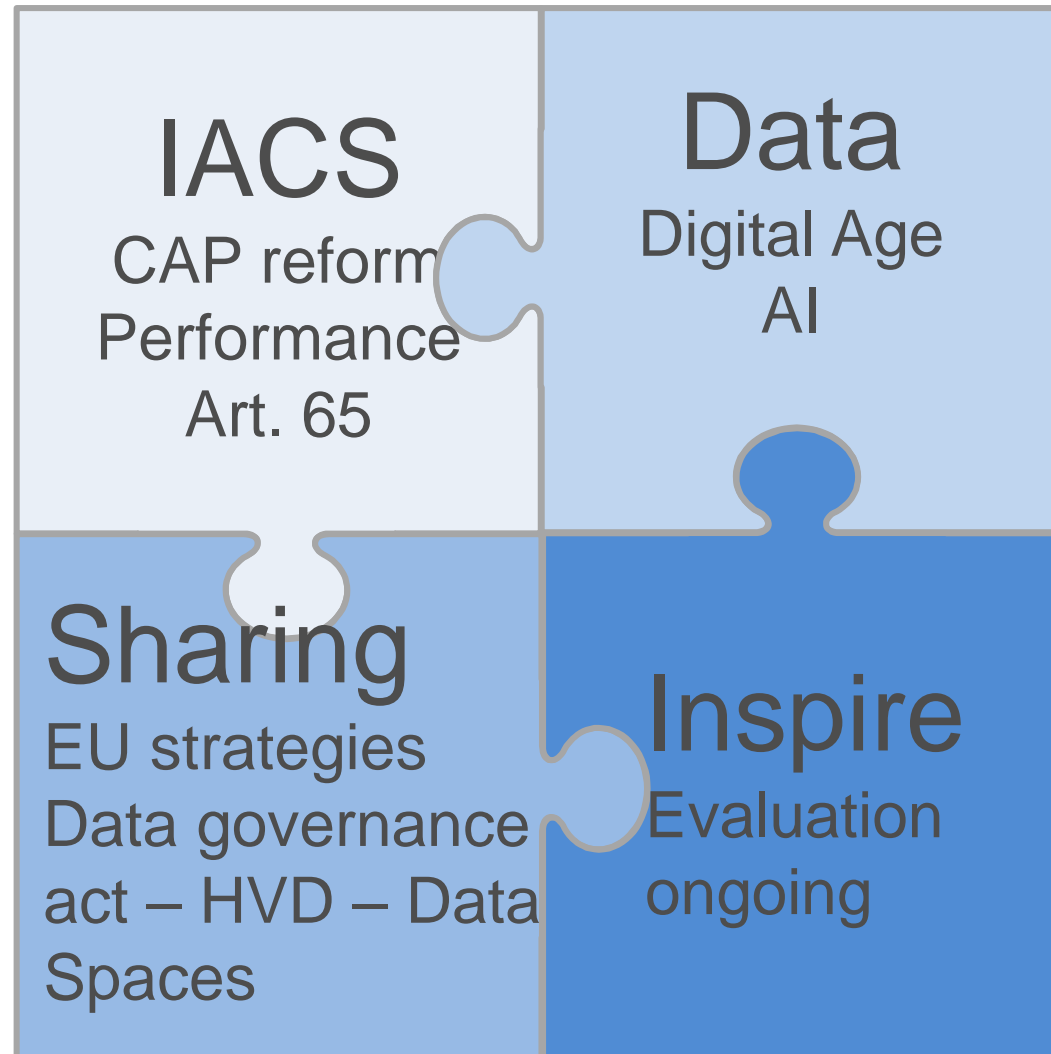
DG AGRI process for IACS data sharing under INSPIRE:

Update of recent activities, achievements and next steps

AGRI D3 - Implementation support and IACS

IACS data sharing under Inspire

**Being at the right place
at the right time!**



DG AGRI process for IACS data sharing under INSPIRE

AGENDA (13:00 to 17:00)

- **DG AGRI - Introduction**
- **JRC – IACS65 (AGRI/JRC/ENV) project**
 - Introduction about IACS65 (AGRI/JRC) project and presentations of the session, JRC D3
 - Presentation of the results regarding metadata, available services and implementation in INSPIRE geoportal, JRC B6
 - Presentation on interoperability, JRC D5
 - Coffee break (30 minutes)*
 - Presentation on soil health, JRC D3
 - Presentation on IACS data exploration and integration, JRC D3
 - Discussion on practical discoverability and accessibility of data through INSPIRE
- **General discussion**
- **DG AGRI – Conclusion**

IACS data sharing under INSPIRE

Context

Current and future CAP
EU policy (Environment and digital)
Internal Audit Service IAS

Common understanding

CAP, INSPIRE, GDPR... & EU geoportals



Collaboration

EC DGs, EEA & Member States (Paying agencies)



DG AGRI process

Spatial and non- personal IACS data
Efficient access to data (INSPIRE)
Effective re-use and added value

IACS data sharing under INSPIRE

Context

Current and future CAP **Basic act adopted (Art. 65 (HZR))**
EU policy (Environment and digital) **INSPIRE under revision**
Internal Audit Service IAS **Open data/**
 (High value datasets)

Common understanding

CAP, INSPIRE, GDPR... & EU geoprota
HVD – ‘geospatial’ : agricultural parcels and livestock

Collaboration

EC DGs, EEA & Member States (Paying agencies)



DG AGRI process

Spatial and non- personal IACS data
Efficient access to data (INSPIRE) **Arrangement AGRI/JRC**
Effective re-use and added value **+ ENV**
 = « IACS 65 »

IACS data sharing under INSPIRE

JRC Presentations

“IACS 65”

Coordination JRC D3

JRC B6 (+ North-Rhine Westphalia)

JRC D5

JRC D3

IACS data sharing under INSPIRE

AGRI activities

Geospatial data (Agri-food data portal)

Thematic maps (re-use land cover data from LPIS)

IACS data sharing under INSPIRE

Agri-food Data Portal

Data on national and European agriculture and common agricultural policy (CAP), provided by the European Commission's agricultural and rural development department.

Interested in our latest developments? [What's new](#)

Agri-food Markets

Market data on national and European agriculture provided by the European Commission's agricultural and rural development department. Browse through multiple visualisations about imports, exports, prices and production.

[Explore >](#)

CAP Indicators

These indicators help measure the Common Agricultural Policy performance. The EU policy provides financial support to farmers in member states, develops the rural community and ensures an environmentally sustainable farming.

[Explore >](#)

Farm Economics

Economic reports on EU farming, based on data from the Farm Accountancy Data Network (FADN). Learn about productivity, profitability, subsidies, economic structure and finances of European farms.

[Explore >](#)

Geoportals

A discovery hub providing links to access the Member States' geoportals that publish spatial data collected in the context of the Integrated administration and control system (IACS).

[Explore >](#)

EU financing

Information on the financial aspects of the Common Agricultural Policy: how much money is spent on market measures, direct support and rural development over the years?

[Explore >](#)

IV Pillar = Geoportals
→ It provides access to some IACS spatial data via official MS geoportals

→ The user can download *shapefiles*, load Web Services etc. via the national pages

IACS data sharing under INSPIRE

Agri-food Data Portal/Geoportals



Member State Geoportals (including some IACS data)

Show Spain Show Spanish regions

Selected region: ES51				
Geoportal	VIEWER: LPIS and layers of declarations (GSAA)	http://aplicacions.agricultura.gencat.cat/sigpac2/visor		
Geoportal	VIEWER: Map of declared crops (made from GSAA)	http://sig.gencat.cat/visors/Cultius_DUN_SIGPAC		
WMS link (GIS environment)		http://sig.gencat.cat/ows/AGRICULTURA/wms		
WMS link (online Geoportal)		http://www.ortoxpres.cat/client/icc/		
WMS link (online Geoportal)		https://visors.icgc.cat/13/		
WFS link (GIS environment)		http://sig.gencat.cat/ows/AGRICULTURA/wfs		
Shapefile		-		

NUTS	Field	Value	Comment
ES51	Geoportal	http://aplicacions.agricultura.gencat.cat/sigpac2/visor	VIEWER: LPIS and layers of declarations (GSAA):
ES51	Geoportal	http://sig.gencat.cat/visors/Cultius_DUN_SIGPAC	VIEWER: Map of declared crops (made from GSAA):
ES51	WMS link (GIS environment)	http://sig.gencat.cat/ows/AGRICULTURA/wms	-
ES51	WMS link (online Geoportal)	https://visors.icgc.cat/13/	-
ES51	WMS link (online Geoportal)	http://www.ortoxpres.cat/client/icc/	-
ES51	WFS link (GIS environment)	http://sig.gencat.cat/ows/AGRICULTURA/wfs	-
ES51	Shapefile	-	-
ES51	GML	-	-
ES51	LPIS data	https://analisi.transparenciacatalunya.cat/bro...q=sigpac&sortBy=relevance	-

AT	WMS link (GIS environment)	https://inspire.rrz.gv.at/009501/wms/?version=1.3.0&request=GetCapabilities	-
AT	WMS link (online Geoportal)	http://geometadatsuche.inspire.gv.at/meta...2098-4759-8e15-604dcc068396	-
AT	WFS link (GIS environment)	-	-
AT	Shapefile	GeoPackage available	-
AT	GML	available	-
AT	LPIS data	https://geometadatsuche.inspire.gv.at/met...2d81-417b-b2fa-8a4d1bae65c9	-
AT	GSAA data	https://geometadatsuche.inspire.gv.at/met...ef95-479a-8a50-50e42da2092e	-

<https://agridata.ec.europa.eu/extensions/iacs/iacs.html>

IACS data sharing under INSPIRE

Agri-food Data Portal Geoportals

Contribution of Member States essential

Few MS are not yet included in the portal

AGRI D3 available to support

AGRI to send out a short questionnaire to Paying Agencies to identify any modification in your geoportal since March 2021

IACS data sharing under INSPIRE

Land cover data (LPIS) – thematic maps

DG AGRI started **re-using** data from LPIS quality assessment process for **analytical purposes** and creation of '**thematic maps**' for portal

LPIS population data: Coordinates of centre of *reference parcels* as well as area under *arable land*, *permanent crops*, *permanent grassland*

Aggregation at regional level. No publication of individual data.

Example for **Bayern**, Germany (2017-2020)

Bayern, Germany

LPIS data analysis – Thematic maps production

DE-BY

96 NUTS 3

2098 LAUs

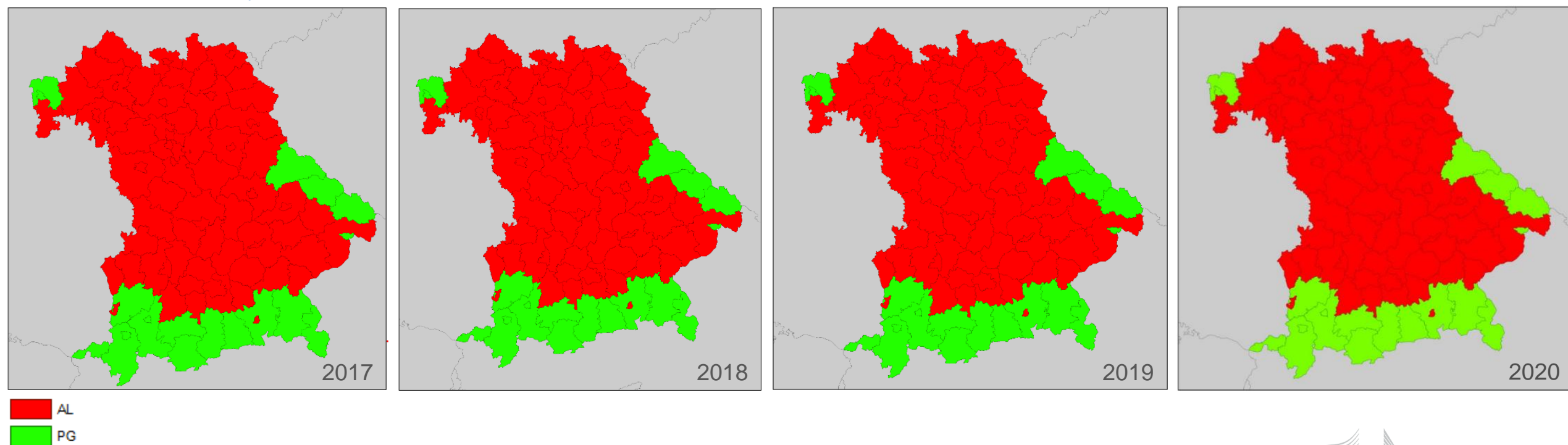
No of ref. parcels ~ 1,7million



Analysis of LPIS spatial data in Bayern, Germany (2017-2020)

- ✓ Reference of the points to the territorial level (NUTS III)
- ✓ Predominant Land Cover (AL, PG or PC) per NUTS III

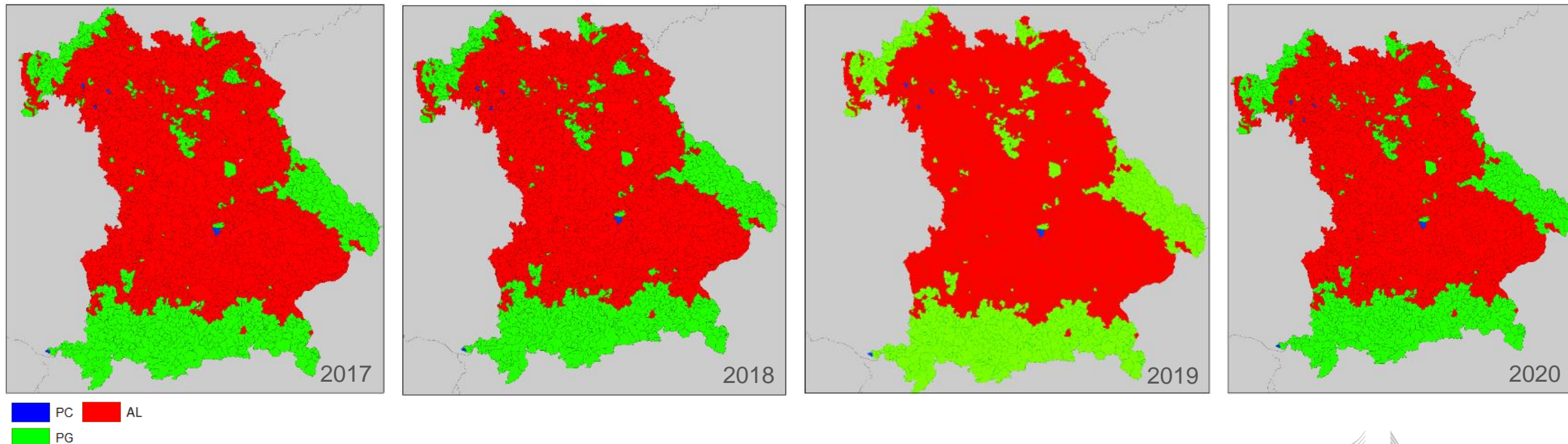
Land Cover in Bayern as Time series



Analysis of LPIS spatial data in Bayern, Germany (2017-2020)

- ✓ Reference of the points to the local administrative units (LAUs)
- ✓ Predominant Land Cover (AL, PG or PC) per LAUs

Land Cover in Bayern as Time series



IACS data sharing under INSPIRE

Land cover data
(LPIS) – thematic
maps

Next?

Extension of the analysis to other regions and EU Member States

Interactive maps allowing selection of regions of interest, land cover for specific years & trends

Further integration in the geoportal pillar of the Agri-Food Data Portal

Useful for AGRI (and EC) **analysts** as well for Member States and the public

IACS data sharing under INSPIRE

Legislation update

Art. 65 (HZR)

INSPIRE

High Value Datasets

IACS data sharing under INSPIRE

Legislation update

Art. 65 (HZR)

IACS data sharing and keeping

(...)

3. Member States shall ensure that data sets collected through the integrated system which are relevant for the purposes of **Directive 2007/2/EC** of the European Parliament and of the Council⁷¹ or relevant for monitoring Union policies, are shared free of charge between its public authorities and made publicly available at national level. Member States shall also provide the institutions and bodies of the Union with access to these data sets.

4. Member States shall ensure that data sets collected through the integrated system, and which are relevant for the production of **European statistics** as referred to in Regulation (EC) No 223/2009⁷², are shared free of charge with the Community statistical authority, the national statistical institutes and, where necessary, with other national authorities responsible for the production of European statistics

(...)

IACS data sharing under INSPIRE

Legislation update

INSPIRE *revision*

*Directive 2007/2/EC –
mandatory by 1 Jan
2022*

Interviews with **EU institutions and 7 Member States** (Belgium, Bulgaria, Germany, Spain, Ireland, Italy and Lithuania) took place in April/May 2021

Targeted surveys targeting specific communities or sectors (environmental community, spatial data community, marine community, agriculture community, private users) took place in May 2021.

The **public consultation** ran until 12 July 2021, a summary is available on the European Commission's 'Have your Say' page.

Preliminary findings: The Directive is still relevant. Progress on implementation was made, but still no full implementation. Need for streamlining with new and emerging European data legislation (+ technology progress). There is a scope for simplification and making the provisions more technically neutral.

Adoption and publication of the evaluation Staff Working Document - January/February 2022 –

Deliverables will be published on the INSPIRE knowledge base (<https://inspire.ec.europa.eu>)

IACS data sharing under INSPIRE

Legislation update

Open data Directive

Implementing Act on

High Value Datasets

Impact assessment – finalised and successfully passing through the internal regulatory scrutiny board – December 2020

Inter-service consultation (ISC) – under preparation

Online **public consultation** – will follow the ISC

Proposal of the **list of HVDs** could be submitted to the Open Data Committee in **Q4 2021**

IACS data sharing under INSPIRE

General conclusions

Legislation

- Close follow-up CAP, INSPIRE, HVD, ...
- An opportunity for data sharing ...
- Synergies possible

AGRI/JRC arrangement

“IACS 65”

- Better discoverability (EU geoportal adapted, TG about metadata for LPIS and GSAA)
- Progress in interoperability for crop classification, LULUCF... and important issue landscape features
- Progress in Soil health (erosion and pesticides) – important topics vs Green Deal and CAP env. performance
- IACS data exploration and integration : huge potential... start discussion for practical setup of *an* integrated system on land resources?

IACS data sharing under INSPIRE

General conclusions

Member States

Implementation of TG (discovery metadata)
Participate to “IACS 65” activities
Present your experience (INSPIRE conference 2021 – end October)
Inform us about any change in your geoportal (questionnaire)

IACS data sharing under INSPIRE

General conclusions

AGRI/ JRC + ENV

At your disposal for any issue

Questionnaire (geoportal, animal data)

AGRI/JRC workshop by Q2 2022 – physically?

Thank you

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