



Data interoperability Working Group - for inspiration -

Data interoperability
Shared BPS/EFA geometries,
ancillary data, environmental data

Data interoperability aspects

Experience:

The technical interoperability (GIS standards, exchange formats, XML, GML) is a precondition, of opening the share and common development of GIS/LPIS data.

If the technology supports, the needs are increasing – leads to open the use of LPIS.

Interoperability on LPIS data flow

- Incoming data to support RP delineation
- Compatibility of database management inside IACS-GIS : data input, data exchange protocols
- Use of LPIS data outside the PA:
 - for delegated tasks – PA takes the responsibility of the use
 - for other priorities that DPM – out of PA
- Public access of LPIS data

Requirements and wishes towards LPIS

- DP reg.: identification and reference system for agricultural parcels in IACS + eligibility + GAEC LFs + EFAs + Quality + source raster + mapping scale
- RD reg.: managing area based schemes: AE, LFA, NATURA

LPIS is also useful for:

- RD planning: RP level or larger scale? – compatibility of planning and implementation
- national agri policy - national payments
 - planning and monitoring?
 - disaster management – vis major
- other sectors: landscape planning, zoning

Challenges of multi-purpose LPIS development - 1

Data content	How the definition fits to the target
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Feature definition	Data capturing rules: RP type Smallest mappable units
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Graphical representation	Poly, line, point
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Thematic information	Ex.: LCC categories
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Source data	Resolution, timing, limits of interpretation
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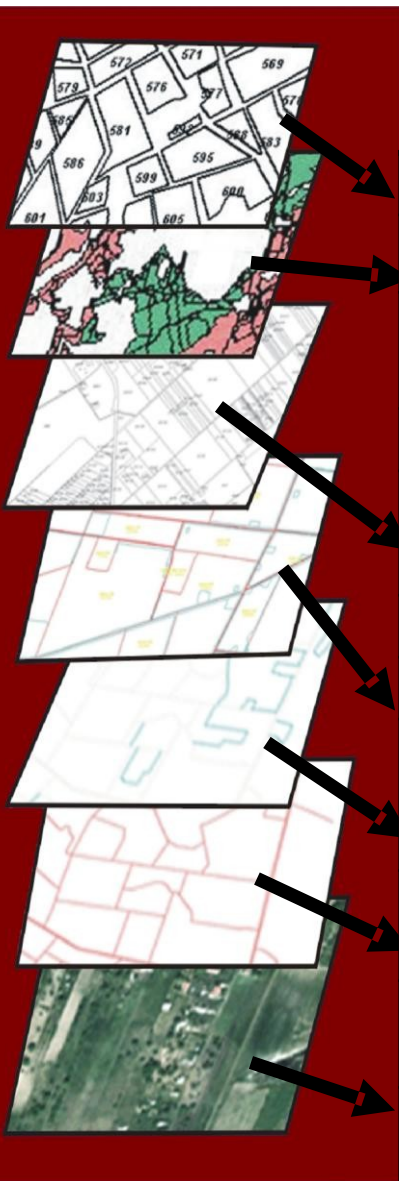
Data update	Sources, compatibility, timing,
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Challenges of multi-purpose LPIS development - 2

- Institutional / gov. body co-operations
- Sharing cost – effective public administration and e-gov
- Additional value of evaluating all data collected on RP level in the last 10-15 years

Challenge: LPIS can become a framework of organising spatial data for agri-sector

HU example 1: Diversification of LPIS thematic layers for DPM



Thematic layers of LPIS-Hu according to the schemes	
Layer of areas with slope higher than 12%, 17%	Sub-division of PBs
Thematic layers for managing Agri- Environmental Program: > 10 different layers	PB level: eligibility Agriparc level
HNV, LFA 19, 20	PB level
GAEC LFs: group of trees, single trees ...	Part of eligible, area
New from 2015	
Permanent grassland layer	LCC
EFA layers for reference	LCC
Single Area Payment Scheme (SAPS) eligible and non-eligible area, Boundary of physical blocks, and unique ID number (L2DXY-5-03)	Basic data of LPIS-Hu from 2014 Full coverage of Rps and LCC categories
Land Cover Categories - wall-to-wall coverage	
Non-declared areas and other thematic layers for improving admin control	
Ortho-photo made from year 2000 colour aerial photo	

HU example 2: Agricultural risk management system

6 — Táblaadatok

Új blokk beszúrás Kijelölt táblák törlése Tábla áttekintő

Megjelenítendő blokk kiválasztása: **R39PTU12** Település kiválasztása: Hasznosítás kiválasztása:

Káro- sodott	Tábla	Blokk	Táblaterület	Örökös	Település	Hasznosítás	Hasznosítás pontosítás	Károsodott terület nagysága (ha)
<input type="checkbox"/>	1	R39PTU1 2	0,46		Nagyatád	GAB06 Kukorica		0,46

Betakarítás tervezett időpontja: **2014.09.20** Becsülttárgyévi hozam káresemény előtt (t/ha): **6,20** Becsülttárgyévi hozam káresemény után (t/ha): **4,50**

Újravetés:

Agrotechnikai adatok

Vetés időpontja: Tőszám (db/ha): Öntözés időpontja: Öntözés dózisa (m3/ha):

Műtrágya kijuttatás időpontja: Kijuttatott N hatóanyag (kg/ha): Kijuttatott P hatóanyag (kg/ha):

Kijuttatott K hatóanyag (kg/ha): Szerves trágyázás időpontja: Szerves trágyázás mennyisége (kg/ha):

- waterlog, flood, frost, wild animal's disaster is reported linked to LPIS PBs and declared parcels linked to IACS.
- The administrative procedure is using LPIS as a reference.
- The development and the maintenance of the system is done by 6 gov. bodies, exchanging databases and managing procedures.

[illegible]

- IACS workflows in the PA,

- delegated procedures made by outside bodies on behalf of the PA

HU example 4: Interest from Ministry of Internal Affairs – National Spatial Plan

- Regional and settlement based planning of rural area management and regulations
- Target areas of special rules and restrictions of construction and land use activities planned to be linked to LPIS RPs.
- Transparent with agri and environmental spatial delimitations!

