The European Commission's science and knowledge service

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MTS/IXIT

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10 years LPIS QA, Varese, 13/03/2019

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Why again?

- **Wish expressed by Vilnius participants in the Working Group on LPIS design (IACS workshop 2018)**
  - Need for further guidance to better understand the concept of reference parcel typology in IXIT
- **Findings during the bilateral discussions with EU MS**
  - Inconsistency in RP type determination
  - Problems in the reporting of MEA assembly
  - Confusion related to the handling of GAEC LFs
  - Entries not updated regularly (GSAA uptake)
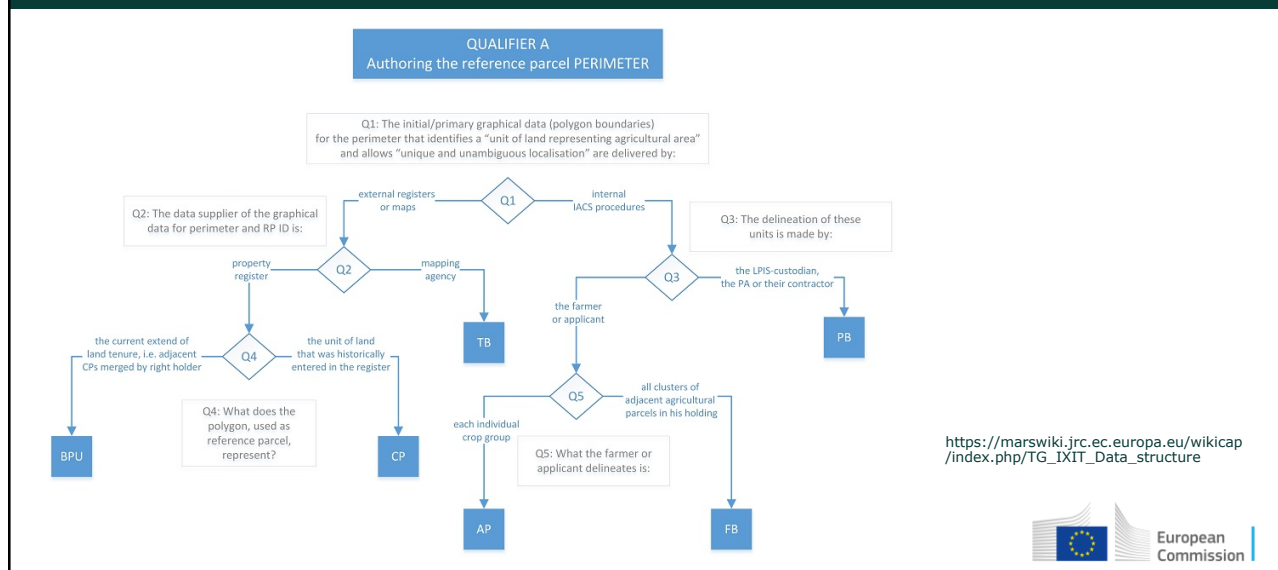 - Etc…

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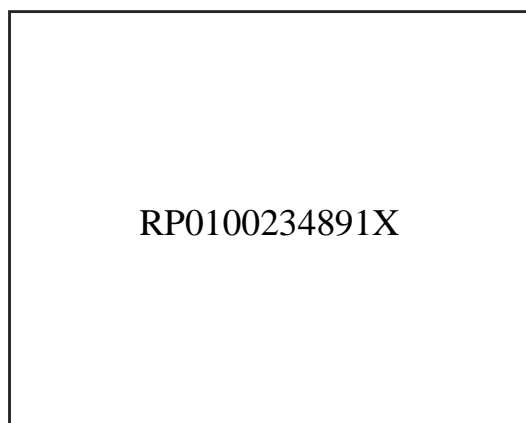## Recap of MTS/IXIT rationale

- **Helps EU MSs to run the ETS and do the assessment**
  - Set-up the inspection parameters (LUI, reference values, waivers)
  - Collect and prepare the data needed for the assessment of observed non-conformities
  - Provide the context for understanding the problems reported and for drafting the remedial action plan
- **Provides a simple and transparent method for documenting EU MS's key design choices**
  - RP type, roles, actors, data organization and interaction

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Structure of IXIT – Example of Qualifier A

https://marswiki.jrc.ec.europa.eu/wikicap/index.php/TG_IXIT_Data_structure

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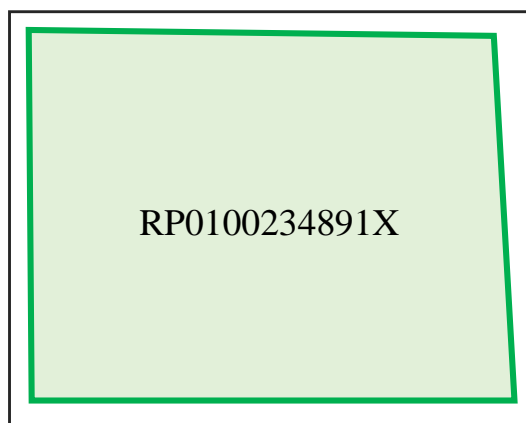## A: Authoring the reference parcel PERIMETER

RP0100234891X

The "boundary" of the spatial object assigned to the unique reference parcel identifier

- Identifies the actor whose role is indispensable
  - The "initiator" of the update, in most of the cases
- Defines the level of detail (granularity) of the unit of management
  - FB->AP; BPU->CP

B: Mapping the BORDERS of agricultural land

RP0100234891X

The "borders" of the spatial object(s) representing the available agricultural land

- Strongly linked with qualifier A
- Can be the RP perimeter itself
- It reflects the <u>physically</u> available agricultural land cover

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C: Integrating eligible area from GAEC LANDSCAPE FEATURES

Complementary

RP0100234675E

RP0100234891X

Inclusive

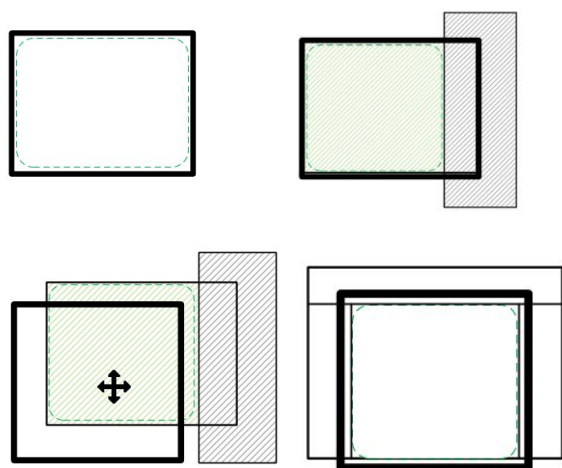In both cases LFs should be adjacent to agricultural area!!

Relates only to the landscape features subject to retention

- **Inclusive:** their presence and area is accounted in dedicated spatial dataset, BUT they are not defined as reference parcels with their own RP ID
- **Complementary:** they represent individual reference parcels with their own RP ID

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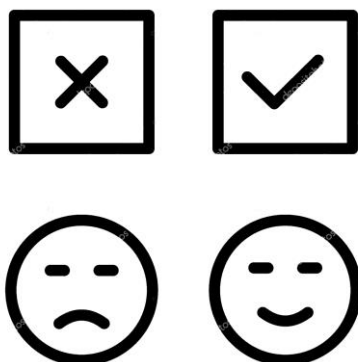# D ASSEMBLING the reference parcel for IACS crosschecks

It practically determines how EU MSs come up with the reference area used for the administrative cross-checks

- There is no "golden standard"
- However, the more the process is complicated, the less manageable it becomes
- NB: the quality of any system is defined by its least performing component!

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E: Establishing the PRO RATA reference area values for permanent grassland
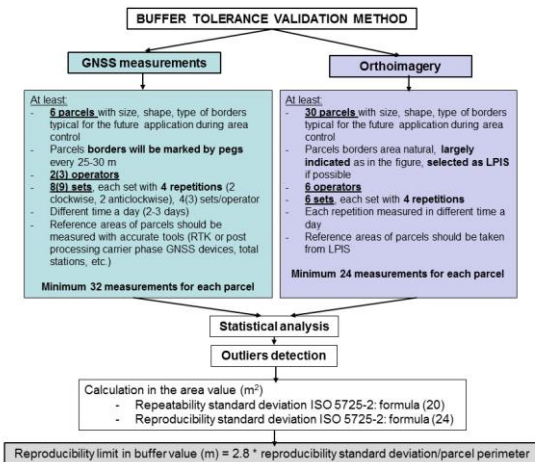

Depositphotos

In case of pro-rata applied:

- **Systematic:** All MEA calculated from pre-defined land cover types with specific RC
- **Sporadic:** At least one MEA calculated from RP specific assessment

Systematic and sporadic approached can co-exists in a given LPIS implementation!
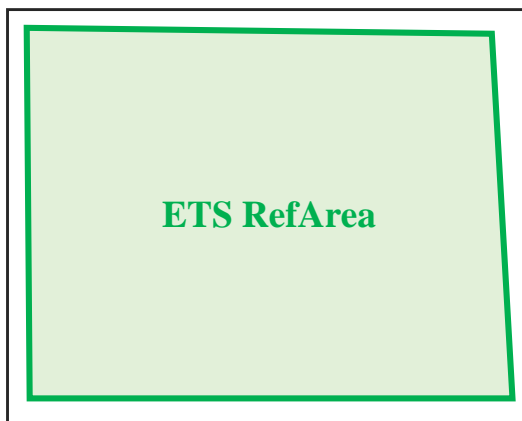
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F VALIDATING the source data

It is not just about data lineage

It asks for the existence document reports of external tests attesting that the given requirements are met

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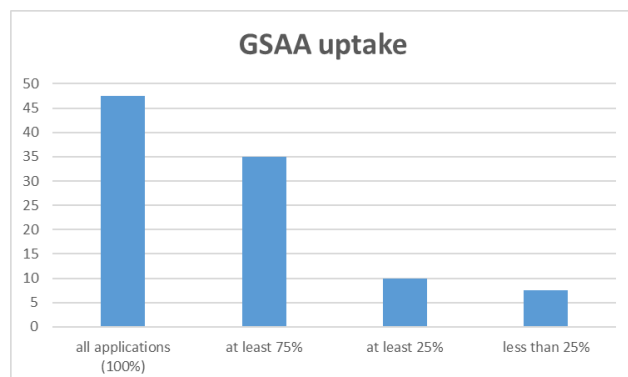
G Immediate AVAILABILITY for payment

ETS RefArea

- **Land Cover:** MEA = ETS RefArea
- **Land Use:** MEA < ETS RefArea

Example of "Land Use":
- ETS Ref Area = 10 ha
- Entitlements activated = 8 ha
- BPS MEA set to 8 ha, based on activation in Y-1
- MEA < ETS RefArea

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H: GSAA uptake

GSAA uptake reported in the period Feb 2017 – Feb 2018

40 systems reporting

2 didn't delivered MTS

Submission through a "*through a GIS-based interface*"

Please update the entries!

Conclusions

- **IXIT as starting point for discussion with EU MS on their LPIS design**
  - Provides important insight and reference for any analysis
  - Helps defining weak points and bottlenecks
  - We (JRC) are looking in it!
- **A "handy" tool towards a decision to go for monitoring**
  - Highlights the trade off between GSAA and LPIS
  - Evaluates the performance of the initial FOI
  - Can be as important as the QE scores (personal opinion ☺)

MTS log/System metadata/WikiCAP

- **MTS log**
  - Add an entry (executable test) for eligible non-agricultural land cover (Art.32, b)
- **System Metadata**
  - No need to report CwRS imagery acquired by JRC
- **WikiCAP**
  - Re-introduce the table with RP definitions

Any questions?
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