Lithuanian Way of Understanding the Spatial Data Quality: Happily Ever After

Agri-information and rural business center
Edvinas Aglinskas

Special LPIS QA workshop, Varese, 13-14 March, 2019

ONCE UPON A TIME...

- ❖ *The fairytale begins in 2010*
- ❖ *Lithuania Far and Away*
- ❖ *LPIS QA – Cinderella true story*
- ❖ *MTS the Stepmother (née – ATS)*
- ❖ *Seven completed ETS tasks*
- ❖ *JRC the Fairy Godmother*
- ❖ *Balls in Baveno etc.*
- ❖ *Remedial Action Plan – the missing Glass Slipper*
- ❖ *Monitoring the Charming*

FEATURING

Lithuania   ATS/ MTS   JRC   Monitoring

RAP   DG Agri   European Parliament

ECA   LPIS Custodian   MoA

LPIS AND LPIS QA OVERVIEW

- Physical blocks are the best for Cinderella. Or is it a burden?
- Understanding the importance of Stepmother's opinion – MTS.
- LCC border – dedicated (no magic, hard task)
- RS assembly – straightforward (no magic, hard task).
- Focus on a pumpkin, mice and a dog – eligibility profile.
- < 300 000 RPs, 800 QC sample.
- Orthoimages 3 years rotating cycle.
- LCC detailed vs. generalized.
- ETS process: from manual to 3rd party commercial software. Here comes the magic!

Qualifier	IXIT Topic	Xsd-element	IUT value
A	Perimeter author / RP-type	perimeterAuthorRPType	PB
B	Land cover borders	landCoverBorders	dedicated
C	Landscape features	landscapeFeatures	complementary
D	RP assembly	RPAssembly	straightforward
E	Pro-rata PG	prorataPG	geometric
F	Validation	validation	non-validated
G	Availability	availability	landCover
H	Geospatial aid application	gSAA	all applications (100%)

LPIS QA ANALYSIS

- Perform seven ETS tasks to be allowed into the annual Ball in Baveno
- Escape the Ball in rush, lose the glass slipper with the realize – the LPIS is non-conforming!
- ~~Critical defects~~, LCC classification and error classification
- Dealt with QE3 issue with RAP 2016
- Find the reasons and name them:
    - ~~Bad design~~
    - Erroneous processing
    - Omitted updates

    Methods: operate numbers, charts and spatial intersection means learning some magic

QE2C QE3 QE4

ŽEMĖS ŪKIO INFORMACIJOS
IR KAIMO VERSLO CENTRAS

LPIS UPDATE VS. LPIS MANAGEMENT ISSUE

got sentinel-2 ?

April 2018

boundary

ŽEMĖS ŪKIO INFORMACIJOS
IR KAIMO VERSLO CENTRAS

ERROR VS. DESIGN ISSUE

2017, LPIS

2018, LUI

PG slivers around RPs detected with higher resolution imagery

Hard to detect with VHR

R640/2014 and ISO 19157 vs. generalization

REMEDIAL ACTIONS
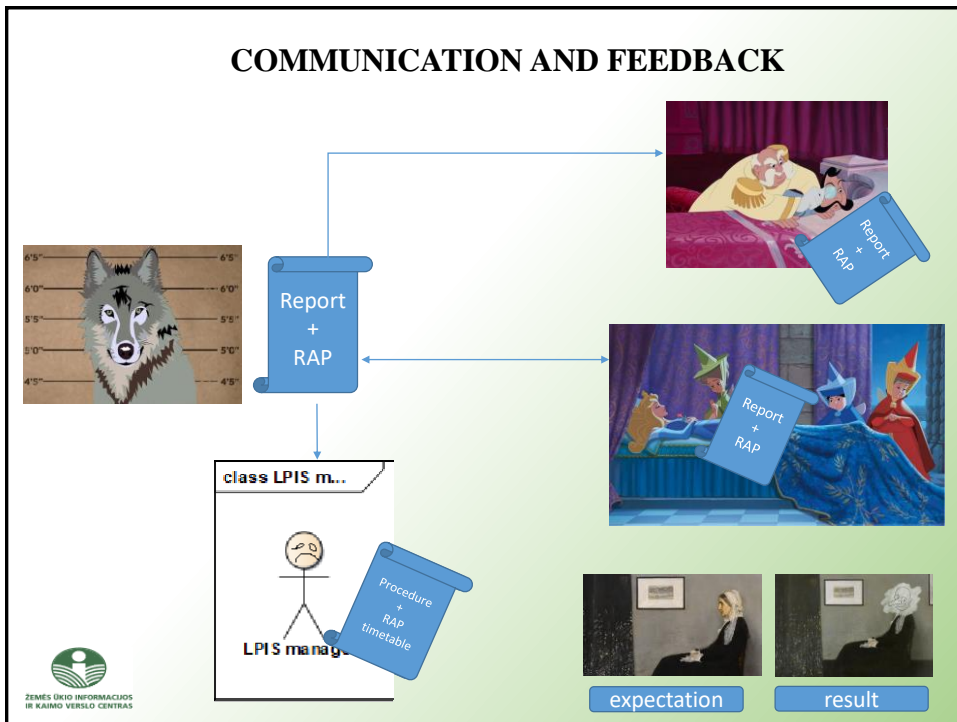
0. Case study in 2016 to simulate different RP types: there's nothing better than old good PB.
1. Routine actions
2. Procedures and legislation review – untie hands for magic
3. New tools/ case studies/ pilots to turn a pumpkin into a coach
4. Employ the **Sentinels** to watch for LCC changes
5. ~~Physical punishment for erroneous processing~~ Data quality control/ cross checks
6. Keep an eye on QE6 values and plan ahead
7. …
8. …
9. Profit! Try the glass slipper and get married with Prince Charming!

COMMUNICATION AND FEEDBACK

expectation   result

THREE HAZELNUTS FOR CINDERELLA

1. Less strict QE2c values
2. Apply a waiver for small PG features
3. Sister, please don't leave

Rare photo of the UK leaving the EU

VALSTYBĖS ĮMONĖ
ŽEMĖS ŪKIO INFORMACIJOS
IR KAIMO VERSLO CENTRAS

Thank you!

V. Kudirkos g. 18-1, 03105 Vilnius
http://www.vic.lt
Tel. (+370) 5 266 06 20