

The background is a solid green color with various light green geometric shapes scattered across it, including squares, circles, and crosses. The text is centered in white.

OpenStreetMap Data Quality Assurance in Lithuania

About myself

- Tomas Straupis, iTree
- Work as a GIS expert/project manager
- Hobby of creating maps
 - OpenStreetMap
 - National datasets

Agenda

- Purpose
- Process
- Practice

Purpose

What do we want to achieve?

Purpose

- Everything must have a purpose/goal
- Time/resources are NOT unlimited
- Value can be calculated
 - OpenStreetMap has an interesting exception - hobby time spending

Purpose

- General quality of a dataset:
 - Homogeneity of geometries
 - Homogeneity of attributes
 - Topology

Purpose

- Check according to usage:
 - Which features are used?
 - Which attributes are used?
 - How are they used?
 - What problems do users have?
 - What sources are available?

Purpose

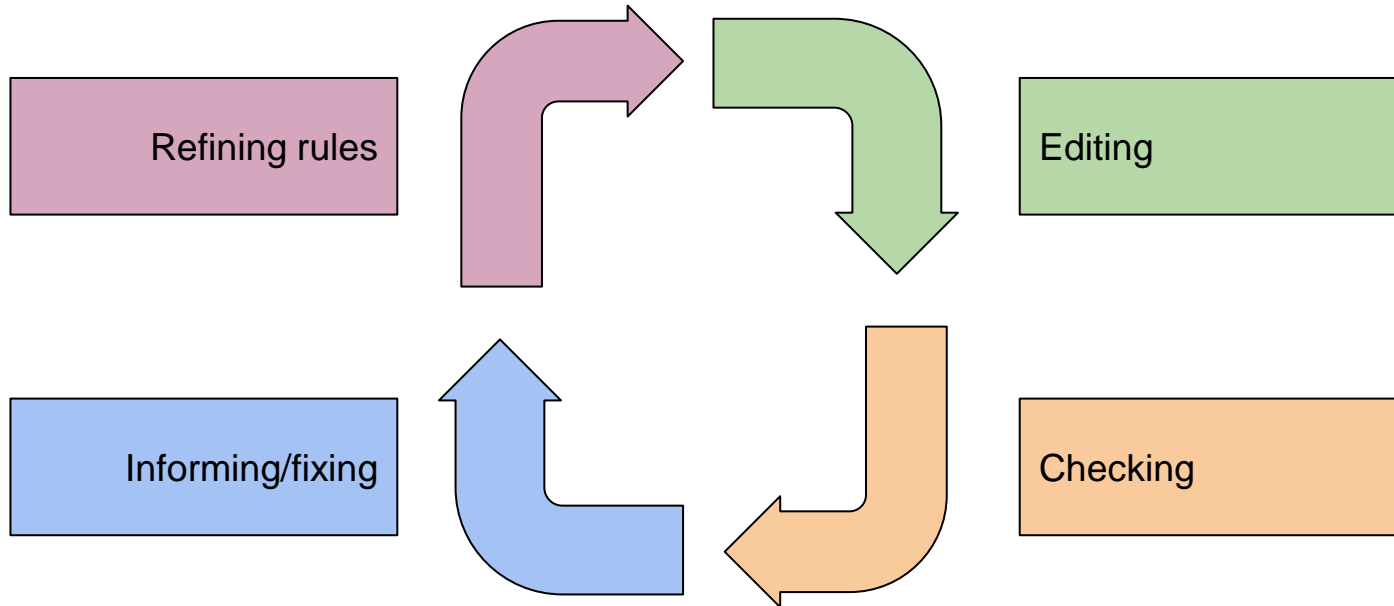
- Compare to other datasets:
 - How good is the other dataset?
 - Can we influence the other dataset?
 - What is the value (usage) of the data?

Process

How do we do it?

Process

- Must be continuous process:



Process

- Advantages of a continuous process:
 - Continuous quality
 - Fast feedback
 - Easier reverts
 - Less time with problems
- Automation is essential:
 - Could have warnings

Practice

Practical examples, experience

People

- People make mistakes - that is natural
- Reasons:
 - Lack of understanding
 - Misunderstanding
- Solutions:
 - Initial information as soon as possible
 - Human contact possibility
 - Fast feedback
 - Understanding

Rules in Lithuania

- Process of rule creation:
 - Identify a problem
 - Is it possible to automate?
 - Create/refine an automated identification (f.e. query)
 - Fix all errors (and thus check/refine the rule)
 - Add query to automated checks
 - Run check periodically (daily)

Rules in Lithuania

- Rule types:
 - Attribute rules 40
 - Geometry 3
 - Topology 14

Rules in Lithuania

- Simple interface
- One man check is enough

Paskutinės klaidos

Klaida	Objektas	Aprašymas	Aptikta	Objektas keistas	Naudotojas		
---------------	-----------------	------------------	----------------	-------------------------	-------------------	--	--

Rules in Lithuania

- Integrating other validator results:
 - Keepright
 - Osmosis
 - Osminspector (geofabrik)
- Needs raw data export
- Identify when errors have been re-validated to avoid waste of time

(Dis)Agreements





Q&A

tomasstraupis@gmail.com

The background is a solid green color with various light green geometric shapes scattered across it. These shapes include squares, circles, and crosses, some of which are slightly rotated or offset from their regular grid positions.

Thank You



Rokenrol