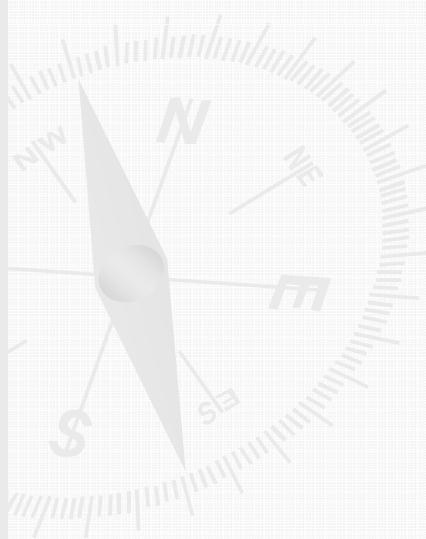


Geographic Names in National Products & Projects



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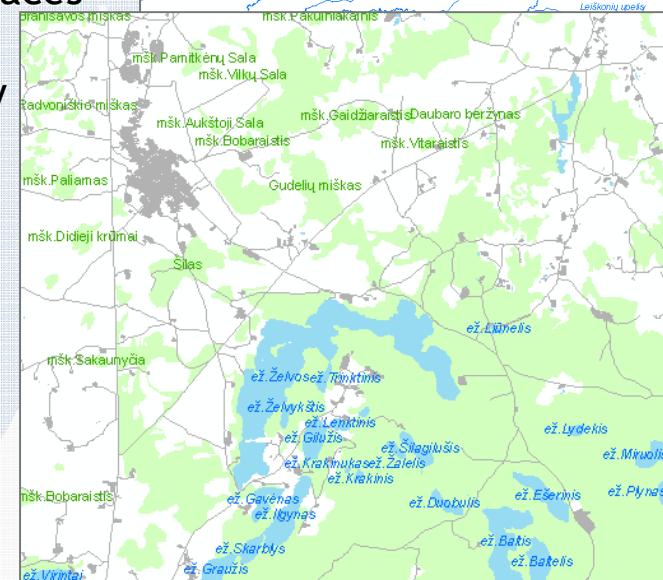
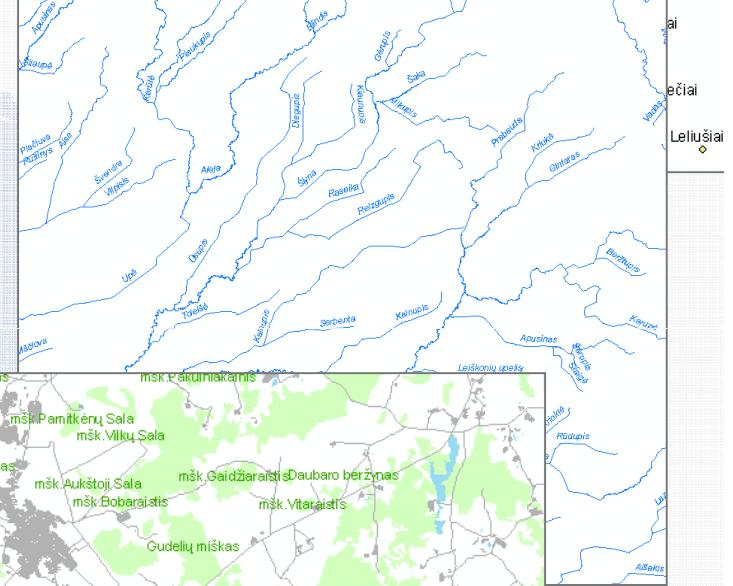
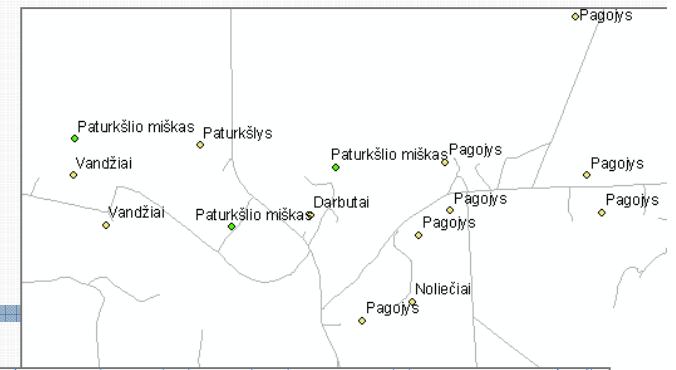
Contents

- ◆ Geonames in national reference data bases
- ◆ Data sources for geonames creation
- ◆ National SDI portal and geonames

GDB10LT

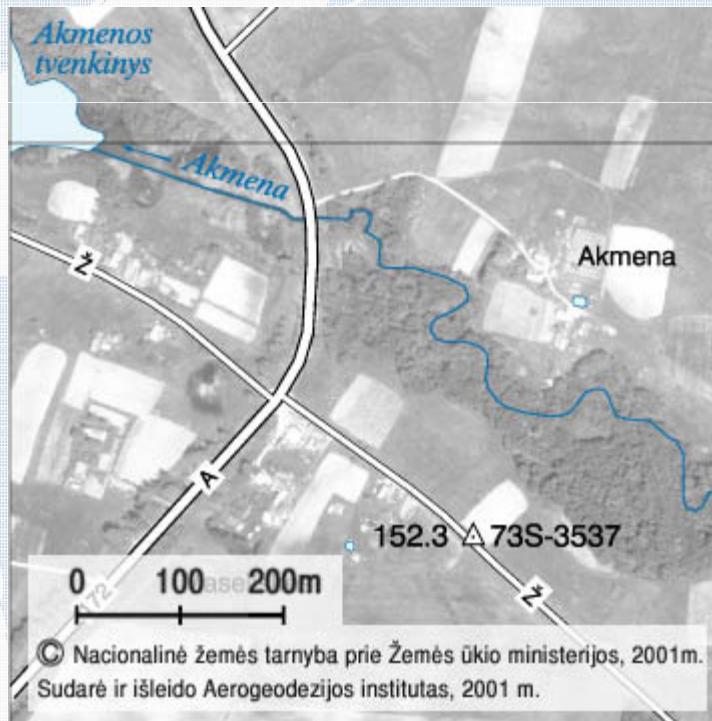
- ◆ Georeference data base 1:10 000
- ◆ Layers containing named objects:
 - **Vietov_u - point place names**
places for the name labels (populated places and forests).
Attribute dividing primary and secondary names
 - **Hidro_l - hydrographical line objects (river centerlines)**
 - **Plotai - land use polygons.**
Named lakes and forests

► 2013.09.30



KDB10LT-mikro > GDB10LT

- ◆ KDB10LT-mikro - historical data base
- ◆ Designed to combine base vector features with orthophoto images



GDB10LT named areas vs points

- ◆ Points are representing names, not object positions
- ◆ Easy to assign name visually to objects on the map, but more difficult to interpret in GIS systems
- ◆ When zooming to point is difficult to define extent
- ◆ Advantages to use points when location (object boundaries) is not known exactly
- ◆ Easy to use for cartographic representation

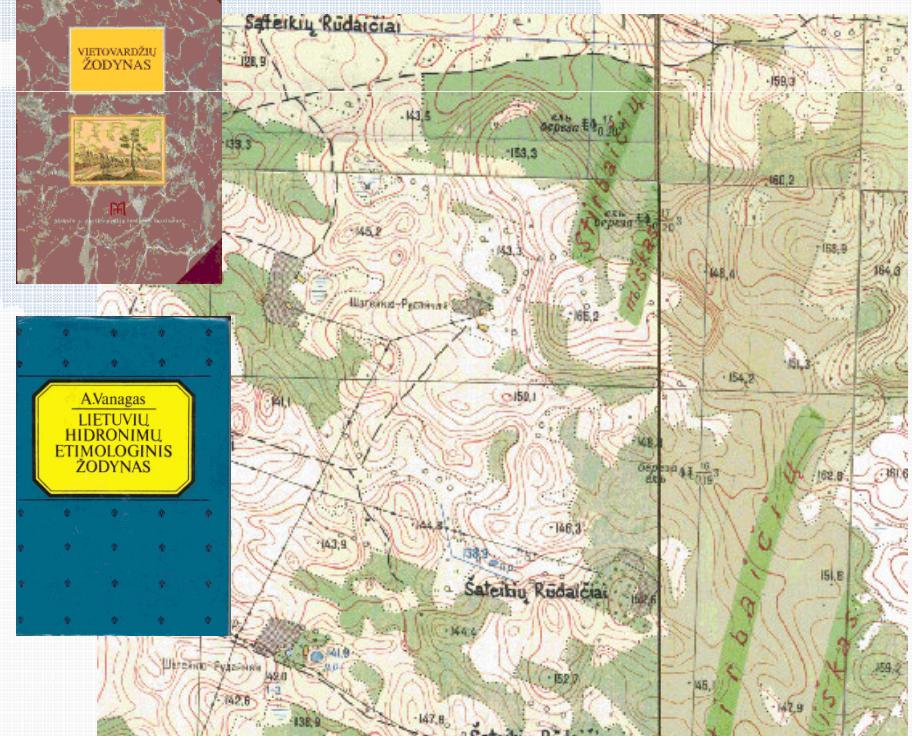
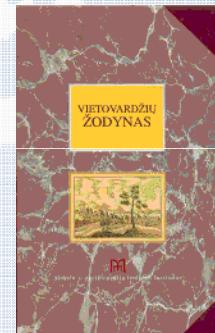


Data sources

Data creators:

- Aerogeodezijos institutas (GDB10LT, GDB50LT)
- GIS-Centras (LTDBK50000-V, GDB250LT)

- ◆ Soviet military maps
- ◆ Lithuanian forests onomastics Lietuvos mišku vardynas, I dalis ["Lietuvos miškininkų sajunga"];
- ◆ Ethimological Dictionary of Lithuanian Hydronyms [Vanagas A., Lietuvių hidronimų etimologinis žodynas]
- ◆ Toponyms Dictionary Vietovardžių žodynas [MELI, 2002]
- ◆ ...



Soviet military maps with “manually” translated toponyms, used for geonames creation

Usage of GDB10LT geonames

◆ Data preparation for:

- GDB50LT - 1:50 000 national reference data base
- GDB250LT 1:250 000 national reference data base
- EuroGeoNames local service
- National SDI portal gazeteer

GDB50LT

- ◆ 1:50 000
- ◆ Geographical names based on GDB10LT

VIETOV_U - populated places, forests
(GDB10LT)

PLOTAI - lakes, forests (polygons)
(GDB10LT)

PAVELDAS_T - cultural heritage
(Register of Cultural Heritage)

HIDRO - rivers (GDB10LT)



GIS-Centras

LTDBK50000-V

- ◆ Used before GDB50LT
- ◆ 1:50 000. Created from satellite images, maintained using orthophoto maps
- ◆ Place names for populated places, rivers, lakes, forests, relief forms
- ◆ Cartographically designed
- ◆ Place names stored as ESRI ArcInfo annotations
 - Good for cartographical purposes - 1:50000 map production
 - Complicated to transform data format and reuse data in other projects/scales



GDB250LT

- ◆ 1: 250 000
- ◆ Toponyms based on GDB10LT, GDB50LT, GDB200, national registers

Ezerai –**lakes** (GDB50LT and GDB10LT)

Pelkes – **swamps** (GDB50LT)

ReljefTaskai – **relief points**

Igriuvos – **relief failures** (Protected areas national cadastre)

Salos - **islands**

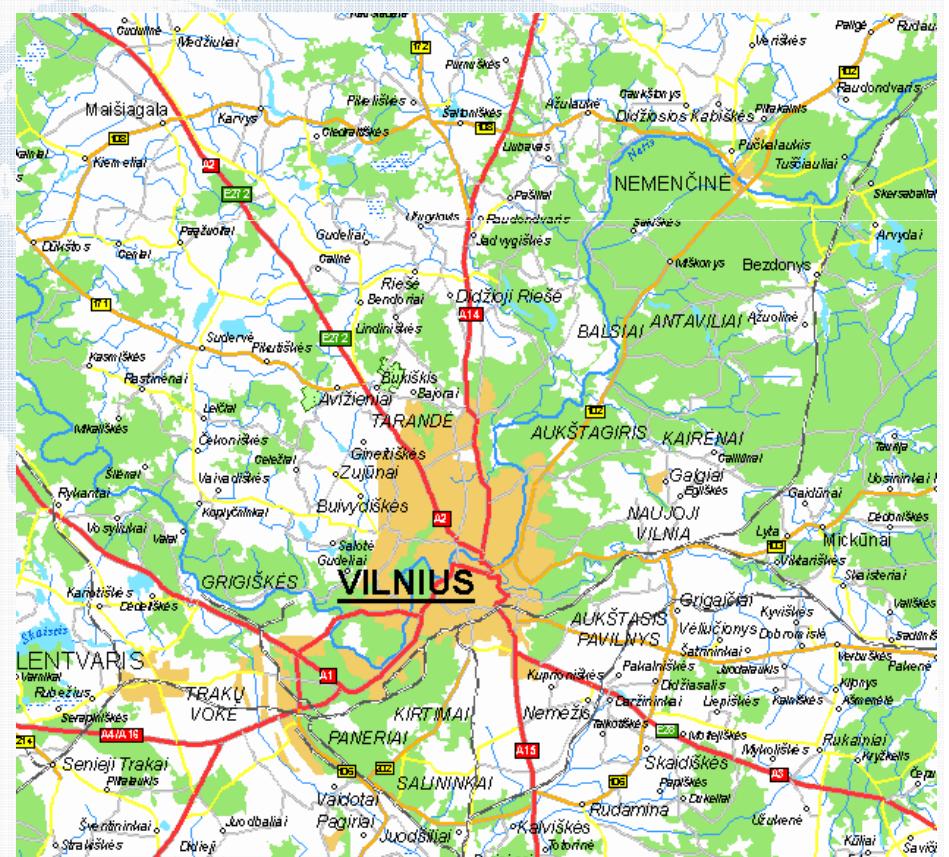
Saltiniai - **springs** (Protected areas national cadastre)

Upes_L, Upes_P – **rivers** (GDB50LT, GDB10LT)

Vietovardziai_T – **point placenames** (GDB50LT)

Vietoves_P, Vietoves_T – **populated places** (GDB200, GDB50LT)

ZemesNaudmenos – **land use (forest names)** (GDB50LT)



GIS-Centras

National SDI portal

- ◆ National SDI project implemented 2006-2009
- ◆ Project financed by EU and Government of Lithuania
- ◆ 10 partners - data providers
- ◆ Developed technical and methodological basis

- ◆ Portal gazetteer created from GDB10LT objects
- ◆ Available publically at www.geoportal.lt

Gazetteer at www.geoportal.lt

Geographic data search

Find results: with exact phrase with any of words with all words using special symbols

» Hide advanced search

Geographic location (where?)

Data source date: Anytime Time period

Geographic data organization: Any

Result is marked in search map

Search by: Place Coordinates

Write place (e.g. Kaunas) Vilnius

Only administrative units

Search Close

Click the place you want to search.

VILNIUS	miestas - Vilniaus m. sav.
Vilnoja	upė - Vilniaus r. sav.
Vilnokai	gyvenvietė - Ignalinos r. sav.
Vilnuitis	upė - Šilutės r. sav.

Pages: Previous 1 2

- Geodata (metadata) search
 - Search place by name
 - Build bounding box for metadata search

Place (gazetteer) search in map viewer

► Search place by name

► Zoom map to selected result

MAP SERVICES SELECTION PREFERENCES HELP

Coordinate System: LKS 1994 Lithuania TM - Scale: 1:66 264

TABLE OF CONTENTS

- Lietuva
- _700 000
- _700 000 - 500 000
- _500 000 - 300 000
- _300 000

Gazetteer search

Vilnius Search Clear results

Results: 14

OVERVIEW MAP

Find a place-name

11. VILNIUS
miestas - Vilniaus m. sav.
12. Vilnoja
upė - Vilniaus r. sav.
13. Vilnokai
gyvenvietė - Ignalinos r. sav.
14. Vilnuitis
upė - Šilutės r. sav.

Copyright: www.geoportal.lt/copyright



Thank you

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Vilnius, 2009-10-01

13th MEETING OF BALTIC DIVISION OF UNEGN

