

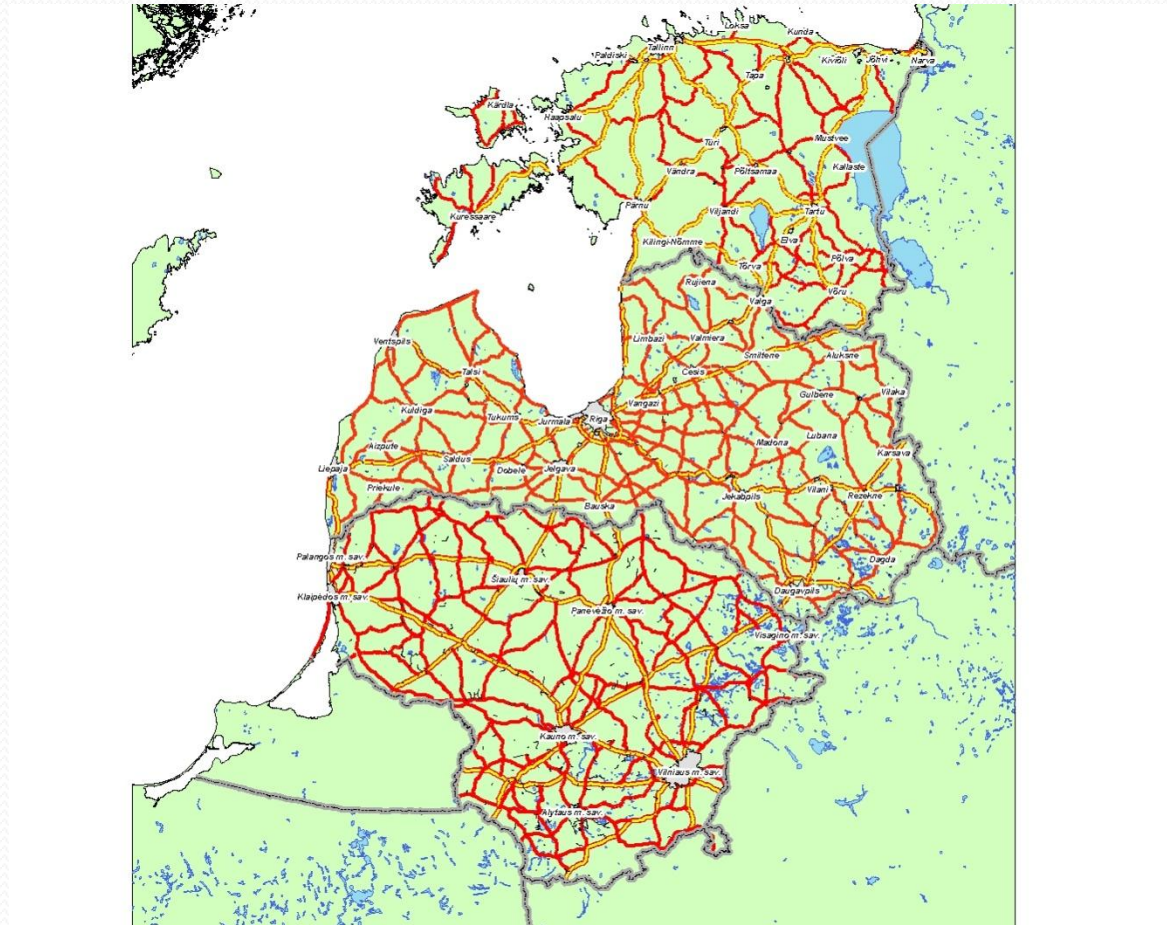
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Состояние базы геоданных
Прибалтики
Съемка, технология измерений
Перспективы на будущее

Москва, 03. 12. 2009



Beginning (1990-2007)



Problems

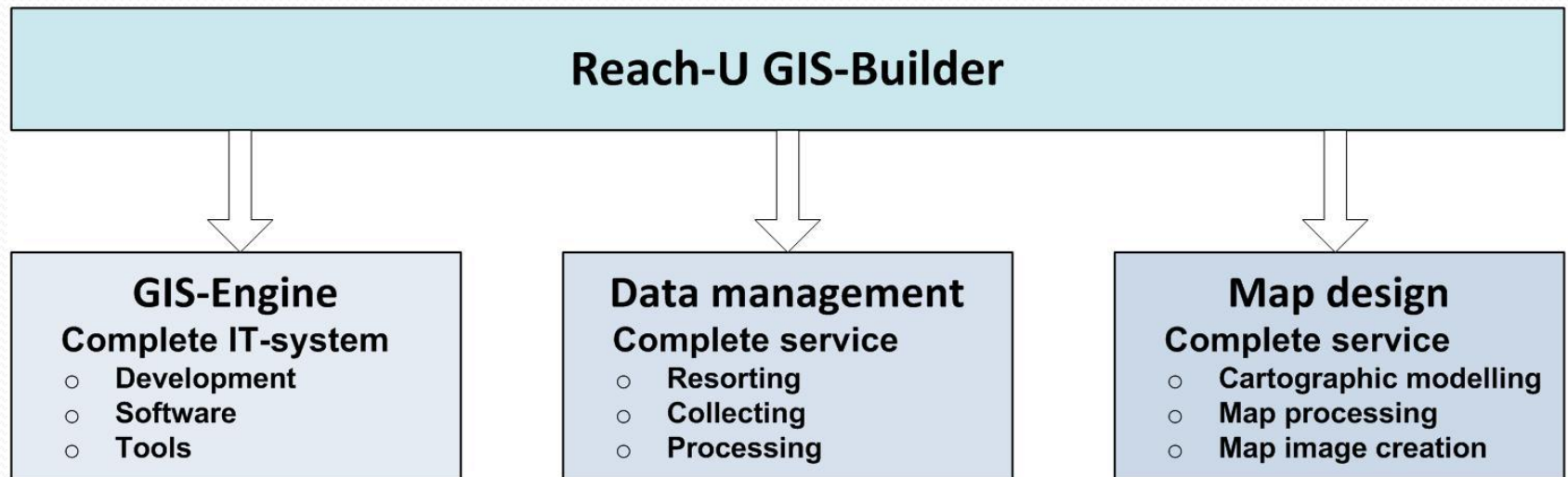
- The average ageing per year for 1:10000 scale topographic data is approximately 4% (Estonian example)
- The changes in Baltic states (175 000 km²; 7,5 million people, urbanization 70%) for street names for example go up to 1500 changed or new names per year, addresses count in the same category up till 16 000 per year. The same goes for POI's – location, name, phone number etc

Update rates

Optimal update rates are:

- Map images:
 - Overview maps: from 1 to 5 years;
 - General maps: from 6 to 24 months;
 - Street-level maps: from 3 to 6 months;
- Routing data: from 3 to 12 months;
- Address data: at least once 6 months;
- P.O.I. data: at least once in 6 months.

Regio/Reach-U GIS-Builder



Ideology behind

Methods for navigation data collecting and processing are generally divided into three main categories:

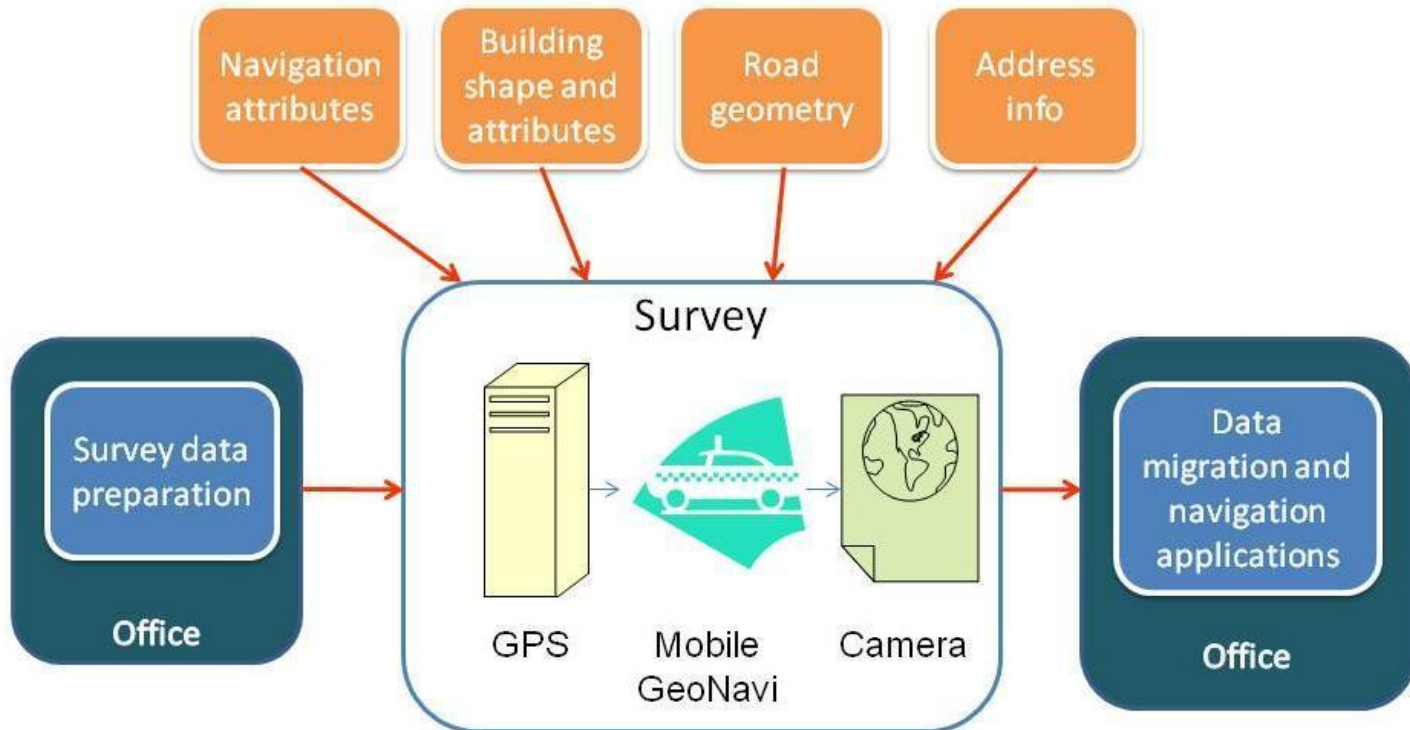
1. by human operators:
is labor and time consuming
2. full automatic:
fast, but prone to data errors
3. **semiautomatic**

How does it look like



MobileGeoNavi overview

- MobileGeoNavi is a full solution
- Combine and simplify surveying, data migration and data processing for navigation applications



Some numbers

- In 2006 AS Regio was maintaining Estonia database with ~70 000 km
- From 2007 using MGN AS Regio maintains Baltic database with ~250 000 km

	Year 2007	Year 2008
Investments in MGN	70 000 EUR	30 000 EUR
Profit MGN Baltic	120 000 EUR	300 000 EUR
Baltic database update cost per km	3,5 EUR	2,5 EUR
Survey processing cost per km	1,9 EUR	1,1 EUR
Clients using MGN products	2 clients	8 clients

Coverage

- Estonia - ~100% of population
- Latvia – 90% of population
- Lithuania – 80% of population

- Last survey:
Summer-autumn 2009:
Riga, Liepaja, Daugapils, Ventspils, Jurmala – full survey
 - 5 main cities of every country : summer 2009

Future plans

- Full coverage for all Baltics (2010)
- Building footprints (2D) for all Baltics (2010)
- From 2D to 3D (2010)
- Navigation data updates for 15 000 km per Year for every country
- POI database from 45 000 up to 100000

Let's take a look

- Regio Baltic WebMap
http://service.regio.ee/tilecache_test/
- Some other links:
 - Lastekas
<http://lastekas.ee/?go=kaardipaik>
 - Lithuania
<http://beta.maps.lt/lt/zemelapis>
 - Latvia
<http://old.kurtuesi.lv/>

Thank You for your attention

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