

BROADBAND DEPLOYMENT: CASE OF LITHUANIA

Lina Rainienė

Deputy Director General for Strategy and Law

Communications Regulatory Authority of the Republic of Lithuania (RRT)

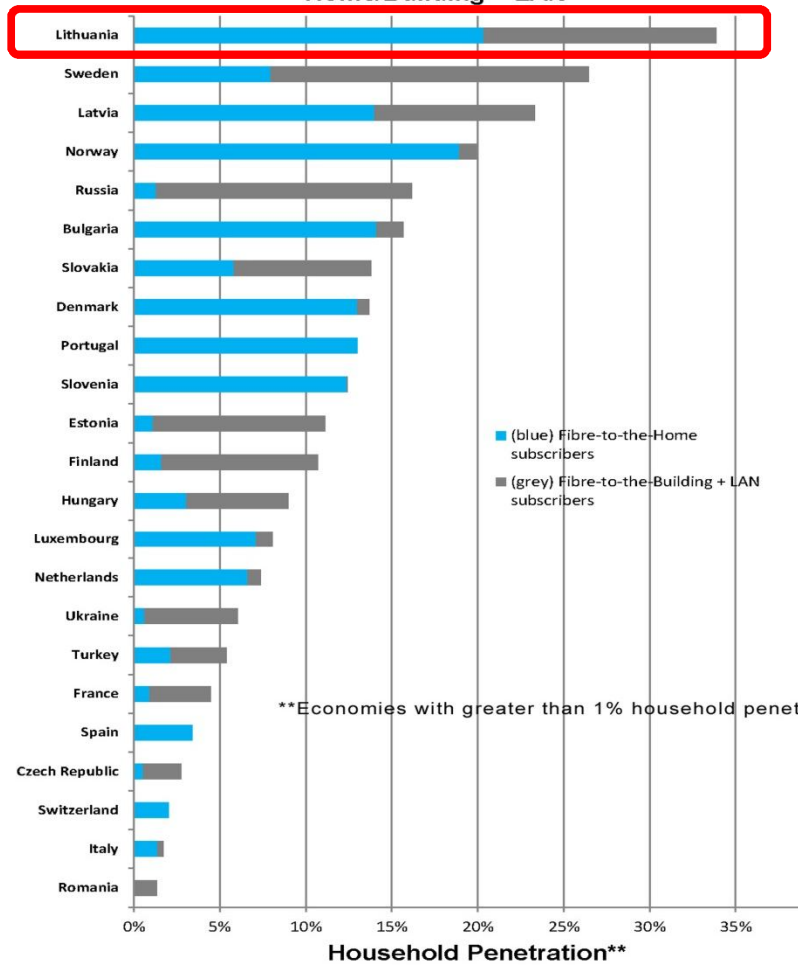
22 September, 2014

Tunisia

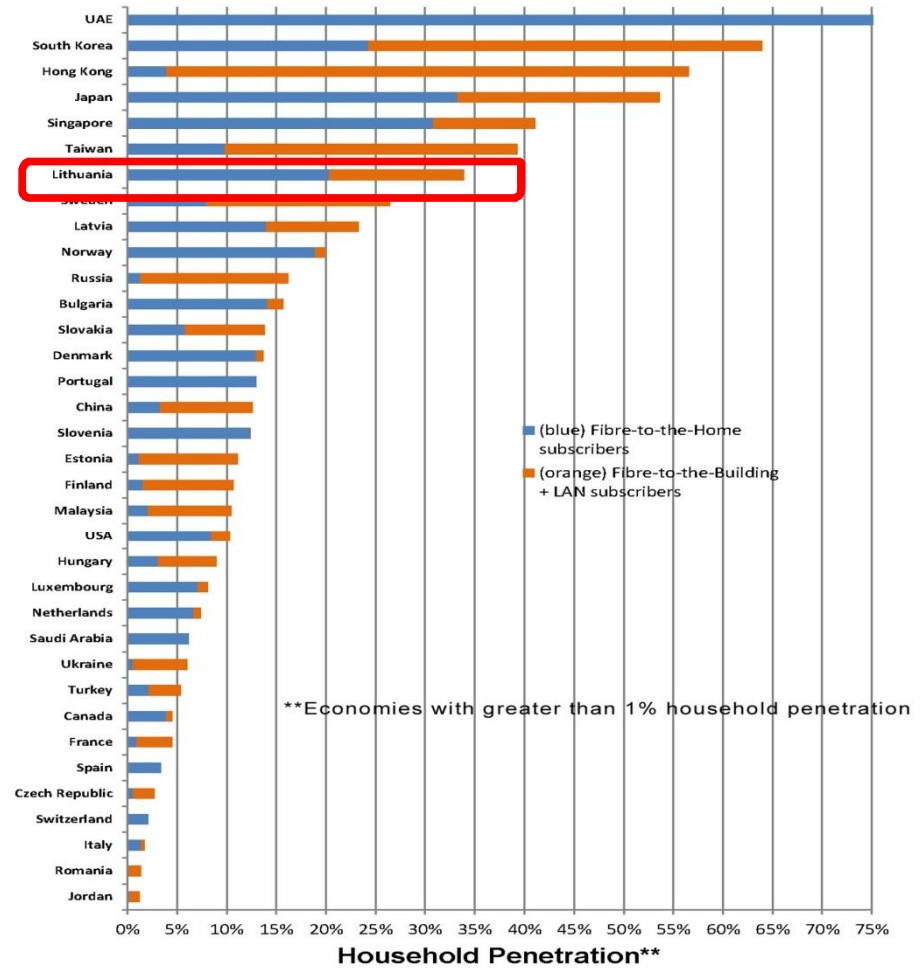


LT today: Highest penetration of FTTH/FTTB

Economies* with the Highest Penetration of Fibre-to-the-Home/Building + LAN



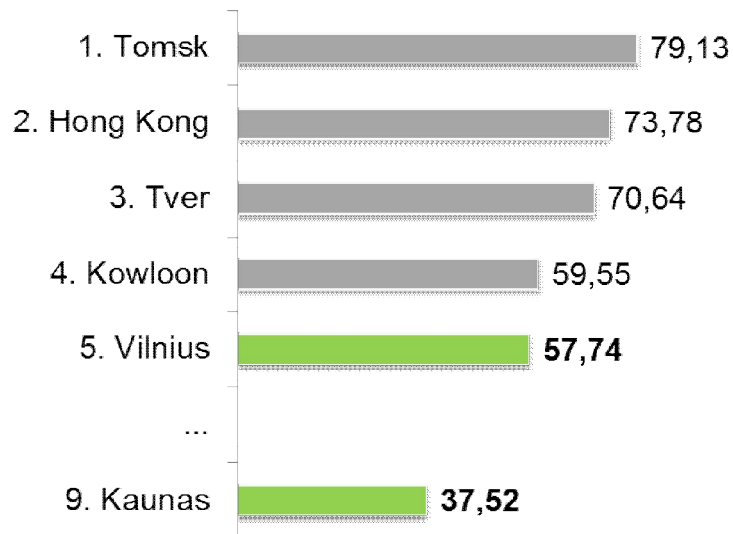
Economies* with the Highest Penetration of Fibre-to-the-Home/Building + LAN



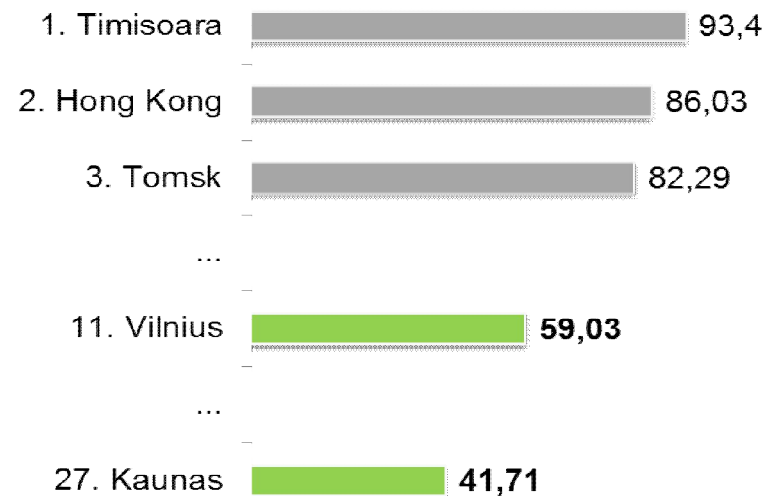
LT today: Highest speeds

Vilnius and Kaunas – among cities with the fastest data upload and download rates (May 2014)

Data upload rate, Mbps

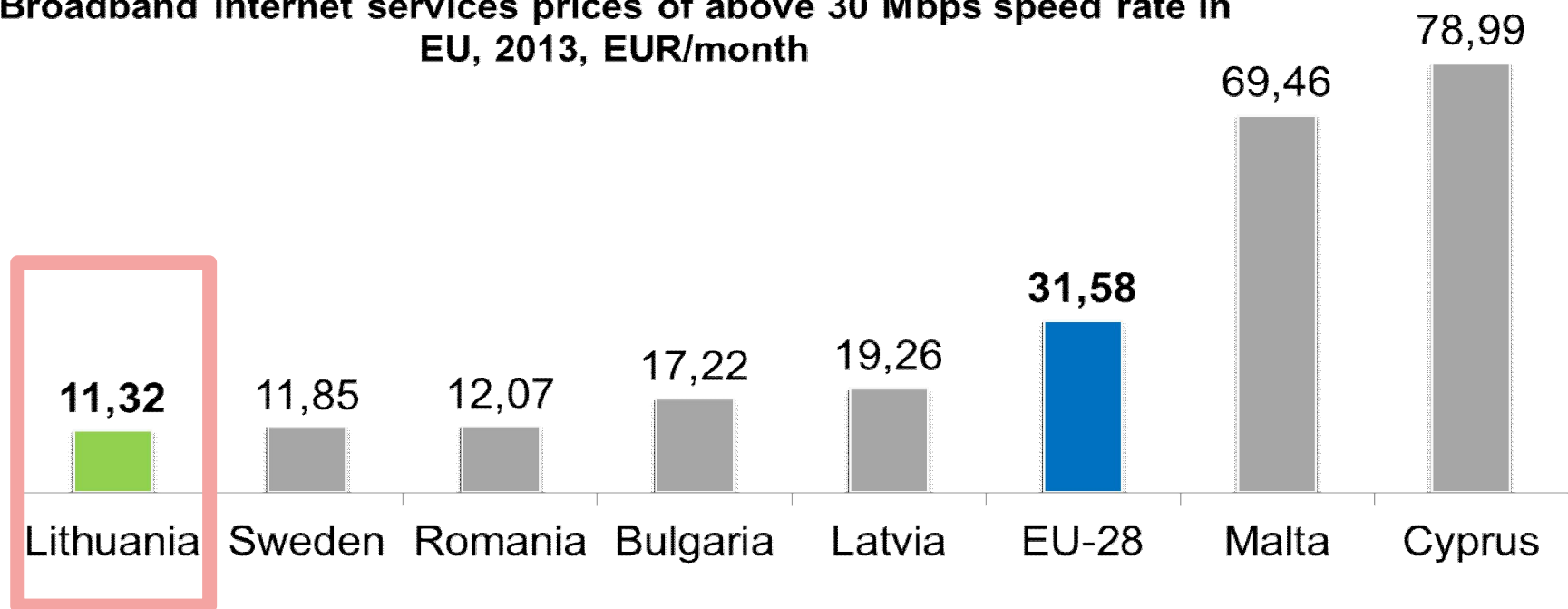


Data download rate, Mbps

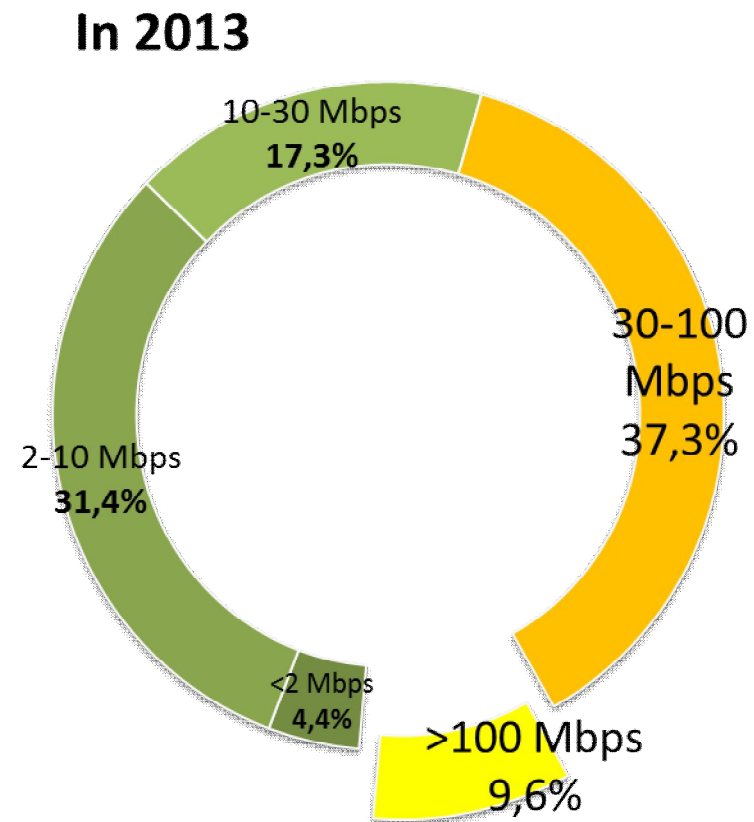
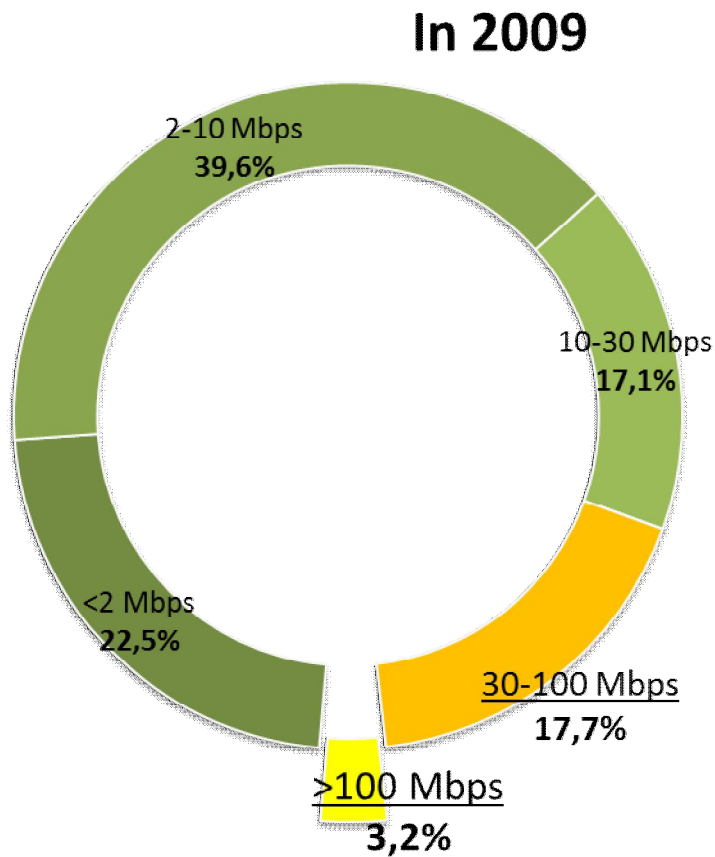


LT today: lowest prices in EU

Broadband internet services prices of above 30 Mbps speed rate in EU, 2013, EUR/month



LT today: high speed internet usage

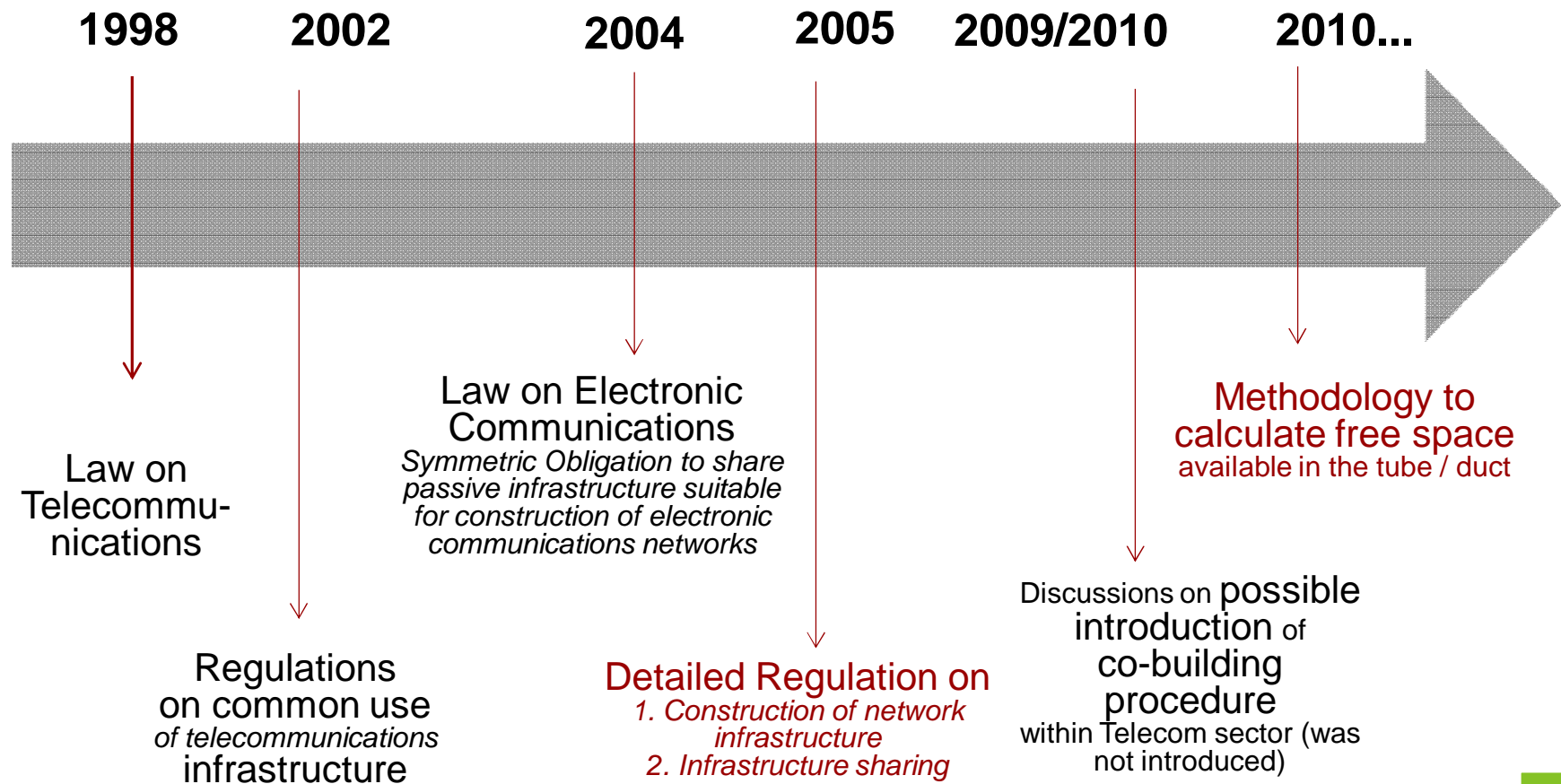


■ ■ Background of BB development in LT ■ ■

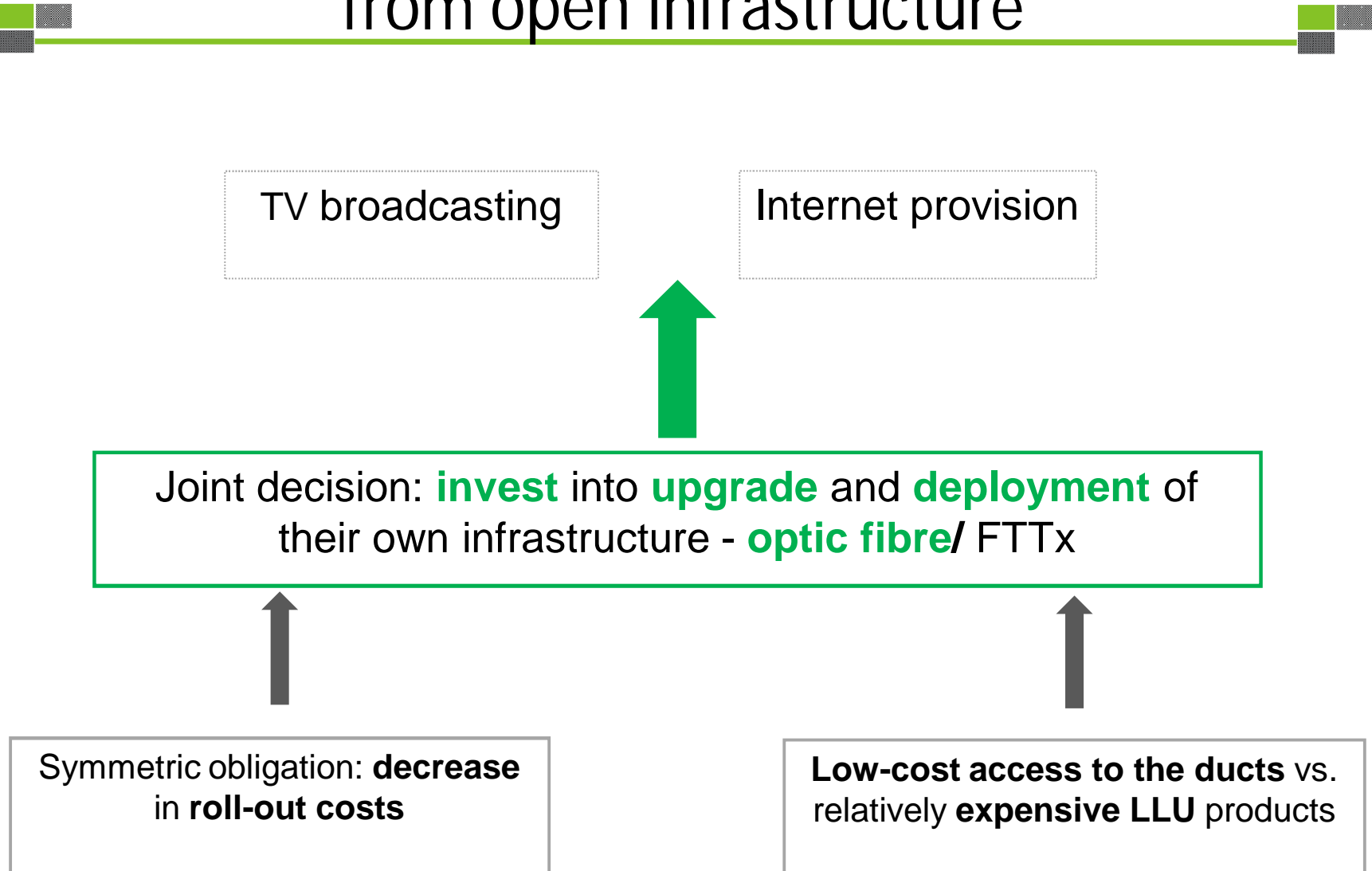
4 main reasons:

- 1. **Shared use** of infrastructure.
- 2. **Cable TV operators** – the first to benefit from open infrastructure.
- 3. **Regulatory measures** on incumbent operator.
- 4. Backbone development (RAIN project)

Development: 1. Shared use of infrastructure



Development: 2. Cable TV operators benefit from open infrastructure



Development: 3. Regulatory measures on incumbent operator

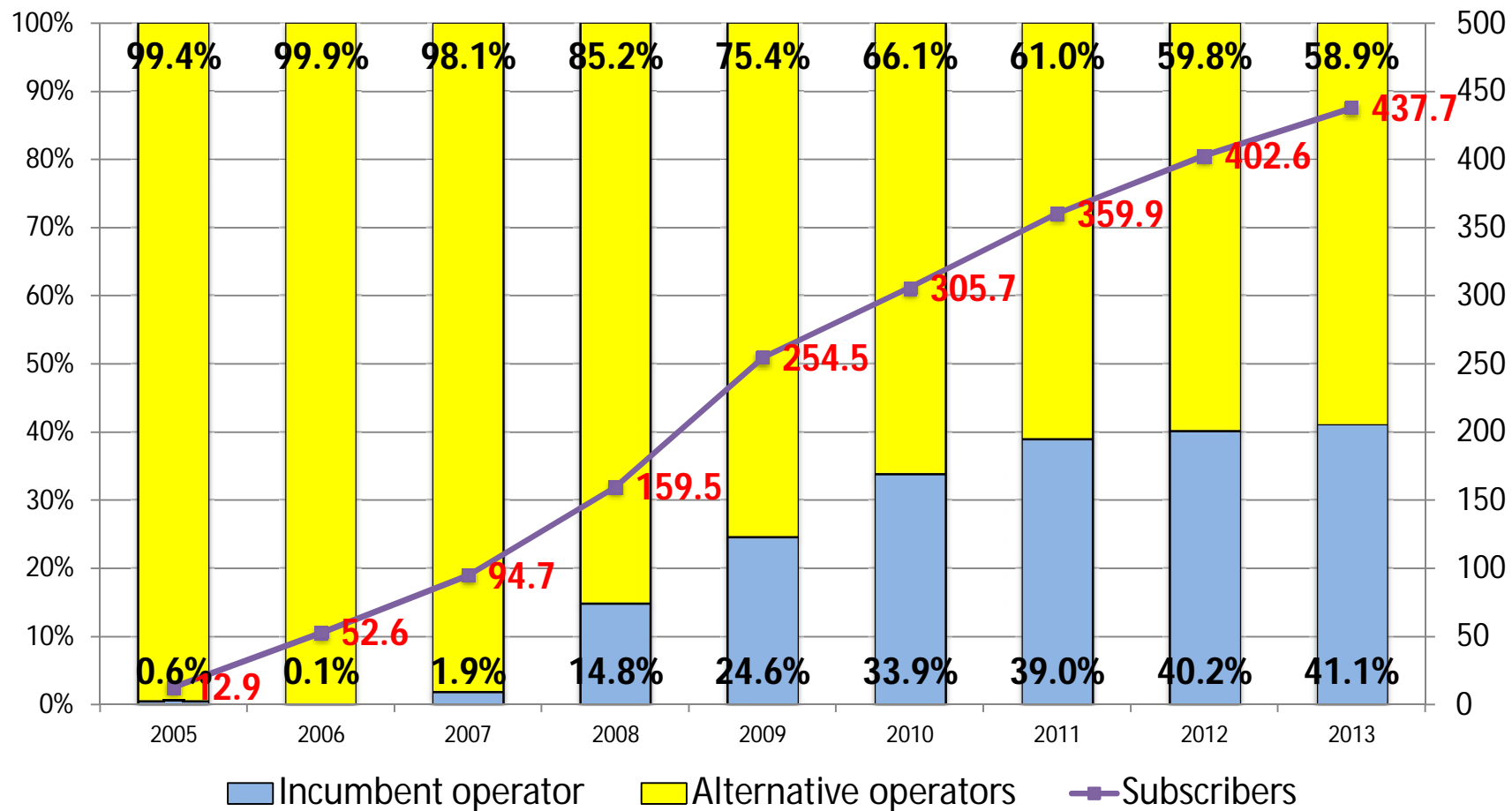
- Incumbent started investments into optic fibre since 2007.
- Incumbent started to restrict access to its infrastructure.

Dispute resolutions: between cable TV operators and incumbent operator (in 2002 first dispute on fees for the use of telecommunications equipment).

- RRT role:

Market analysis: strengthened symmetric regulation and imposed obligations on SMP operator for **duct access (access, non-discrimination, transparency, price control and cost accounting, and accounting separation)**.

Result: infrastructure competition



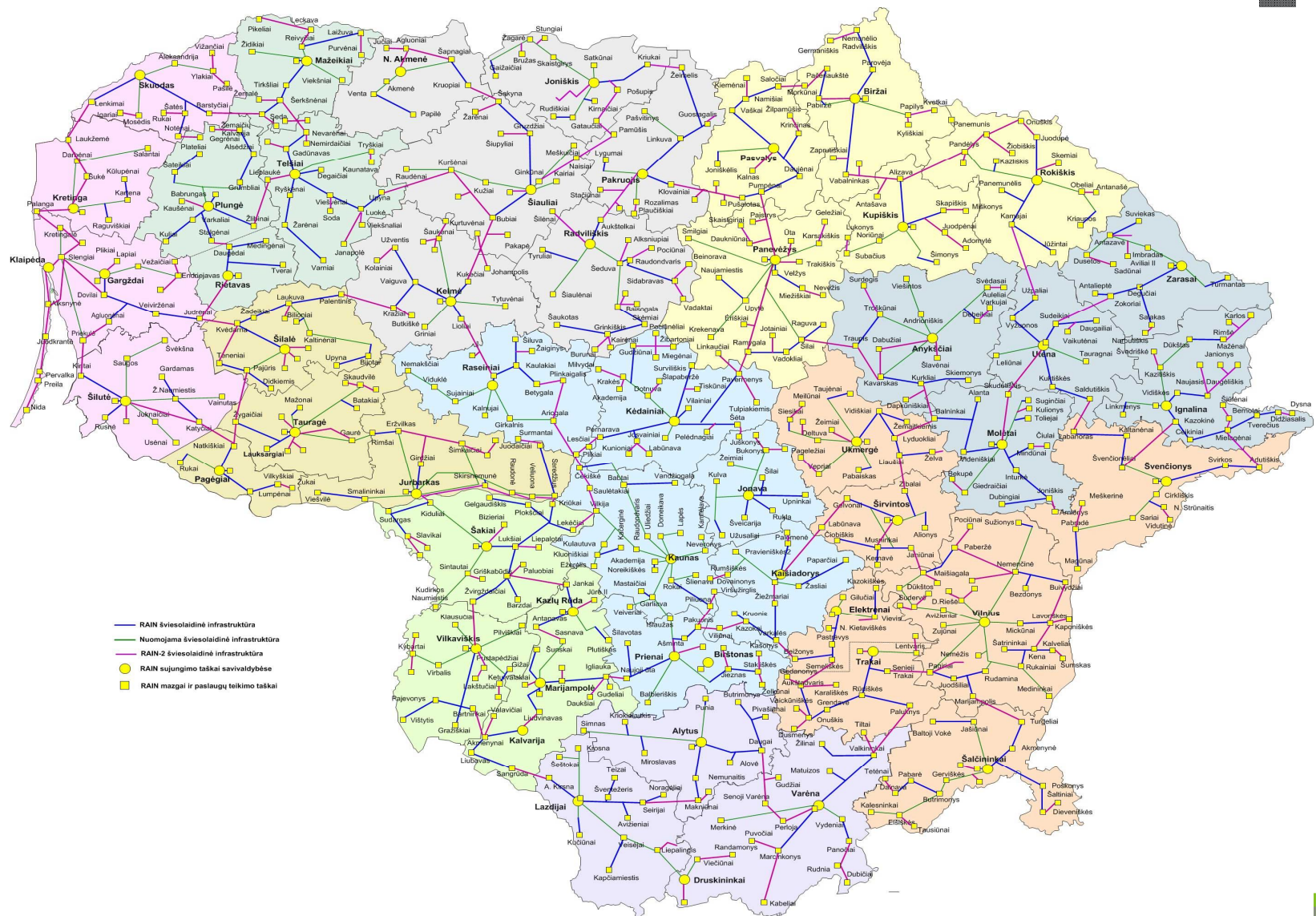
Development: 4. Backbone

- **RAIN projects:** eliminate “digital divide” between rural and urban areas

Develop **broadband** Internet via connected
“**backbone**” **networks** in **rural areas**
where infrastructure is absent or insufficient

- RAIN (2005-2008): 3.357 km
- RAIN-2 (2009-2013): 4.915 km
- PRIP (2012 -)

RAIN network



LT: Regulator's role in the nearest future

- **RRT:** Maintain duct sharing system open
 - regulations
 - dispute resolution amongst undertakings
 - imposing specific obligations on SMP operators
- **RRT:** Find best solutions for alternative operators to roll out optic fibre:
 - online infrastructure map – RRT as a mediator between municipalities and operators

Internet browser window showing a GIS application interface for "Vilniaus Planas".

Address Bar: <http://kdb500.vilnius.lt/tgl/Default.aspx>

Page Title: "Vilniaus Planas"

User Information: Vartotojas: SI "Vilniaus planas" zilvinass (monė: SI "Vilniaus planas") | Rolė: Administratorius | Prisijungimo vardas: zilvinass | Atsiungti

Navigation Bar: Home, Print, Page, Safety, Tools, etc.

Menu (Meniu):

- Įmonių valdymas
- Vartotojų valdymas
- Paraiškų valdymas
- Adresų paieška
- Gatvių paieška
- LKS'94 planšėčių M 1:500 paieška
- Staciakampių planšėčių M 1:2000 paieška
- Staciakampių planšėčių M 1:500 paieška
- Trapecinių planšėčių M 1:500 paieška
- XY koordinatų paieška
- Geografinių koordinatų paieška
- Kontaktai

Results (Rezultatai):

Sluoksniai (Layers):

- Seniūnijos
- Namų nr.
- Gatvių pavad.
- M 1:2000 NOMENKL.ST
- M 1:500 NOMENKL.ST
- M 1:500 NOMENKL.TRAP
- M 1:500 NOMENKL.LKS
- Inžinerinės komunikacijos
 - dujų_t
 - elektr_t
 - kitos_t
 - rysio_t
 - silum_t
 - vand_t
 - kitos_l
 - dujų_l
 - vand_l
 - silum_l
 - rysio_l
 - elektr_l
- Topografija

Map Area: LKS'94 planšėčių M 1:500 paieška. Search box: Numeris [] leškoti. Map shows streets like Geležinio Vilko g., Konstitucijos pr., and Barvyklo g. Scale: 1:1228.

System Tray: Internet, 100%



Thank You! Questions?



feliksas.dobrovolskis@rrt.lt , lina.rainiene@rrt.lt
Communications Regulatory Authority of the Republic of Lithuania
www.rrt.lt

