

Information System of Operators' Networks (ISON)

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- What is ISON?
- Why ISON?
- Problems so far
- Some stats

What is ISON? (1)

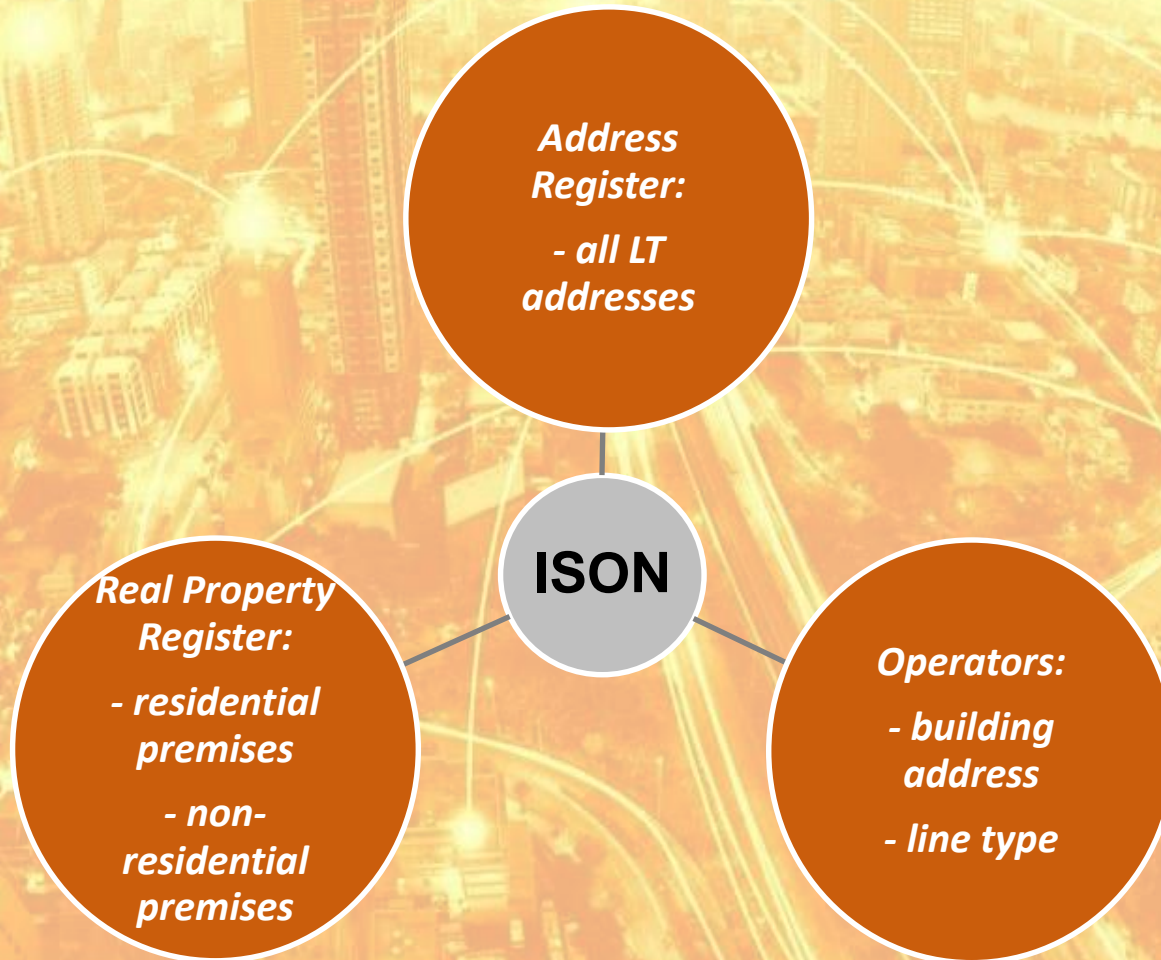


The screenshot shows the login interface for the ISON system. At the top left is the RRT logo (RYSIU REGULIAVIMO TARNYBA). The main heading is "Operatorių tinklų informacinė sistema". Below this are two input fields: "El. paštas" and "Slaptažodis". A green "Prisijungti" button is positioned below the password field. A link "Pamiršote slaptažodį?" is located below the button. At the bottom, the copyright notice "© Lietuvos Respublikos ryšių reguliavimo tarnyba" and the website "e-solution netcode.lt" are displayed.

- ISON – RRT web platform for the operators for providing the information about their existing fixed networks
- Approx. 55 operators are in charge for providing the information to ISON

What is ISON? (2)

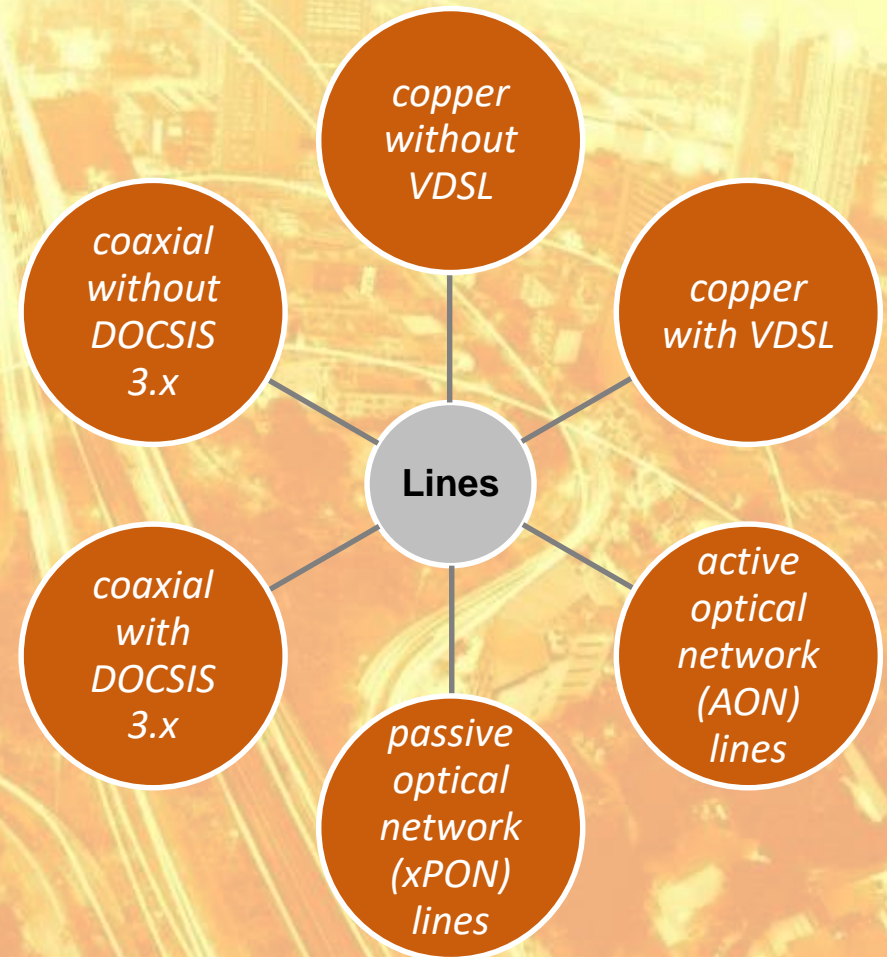
- ISON is a database (NOT MAPS) containing data from:



What is ISON? (3)

➤ Operator's fixed line type to a particular building in ISON:

- copper with VDSL
- copper without VDSL
- active optical network (AON) lines
- passive optical network (xPON) lines
- coaxial with DOCSIS 3.x
- coaxial without DOCSIS 3.x



What is ISON? (4)

- Information gathering frequency:
 - annual basis
- Technical:
 - upload to ISON of *.csv or .xml* files

What is ISON? (5)

- ISON is based on 2 assumptions:
 - if particular line is brought to a particular building, all premises of this building are covered
 - 1 residential lodgement = 1 household

Why ISON?

➤ ISON is able to provide automatically for RRT:

- fixed networks coverage
- duplication of fixed networks



➤ Practical applicability of ISON:

- market investigations
- statistical analysis (e.g. coverage)



Problems so far (1)



- First call of information gathering has already been launched and the collection and uploading took about 2 months
- Main problems so far:
 - too difficult to generate/upload files (different operators use different IT systems, *.csv* is quite complicated format itself etc.)
 - problems of registers information/interface (some information from operators not found in registers, some found in one register, but not found in another etc.)
 - lack of cooperation by operators (some operators don't want to provide information or do it unduly)

Problems so far (2)

➤ Possible solutions:

- some small modifications of ISON are planned – possible creation of web form filling (would be useful especially for smaller operators)

➤ Timing:

- in any case still additional 1-2 months may be required to complete information gathering

Some stats (1)

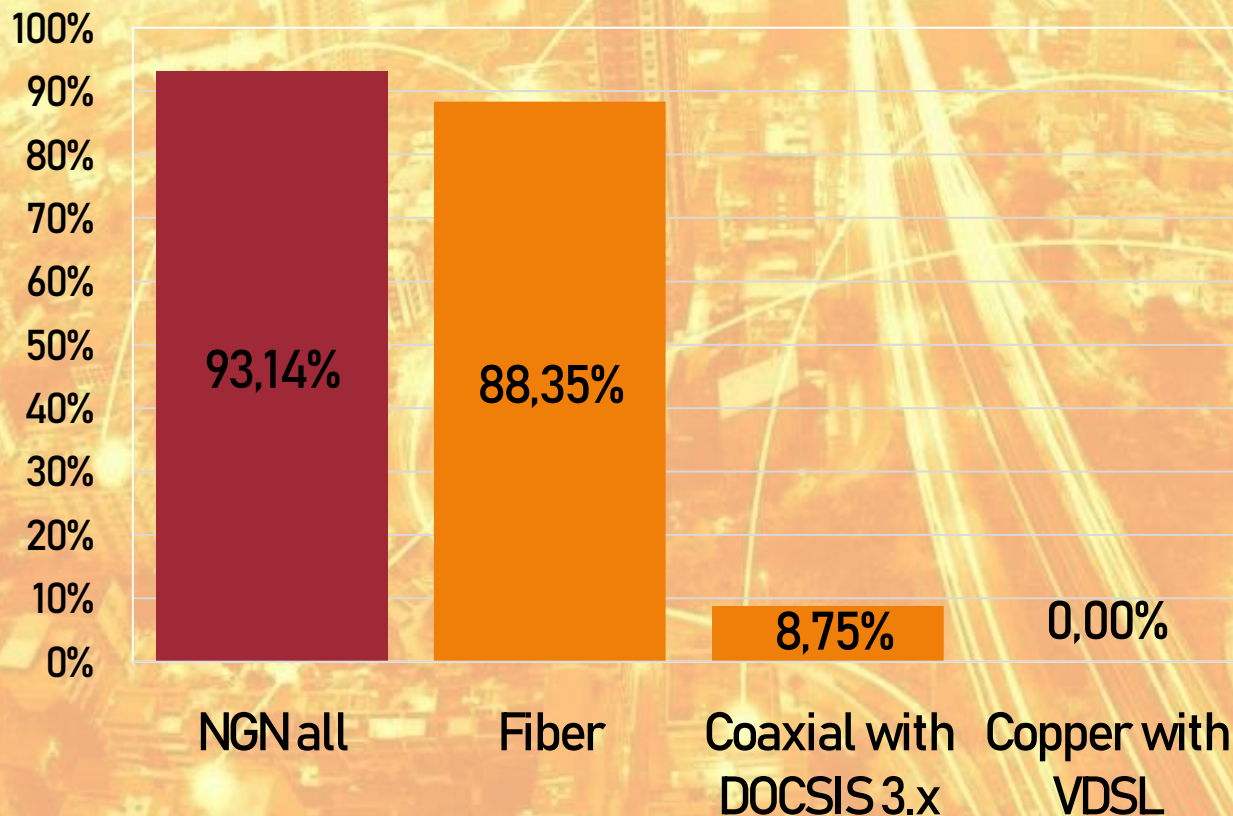
Šiauliai City Example



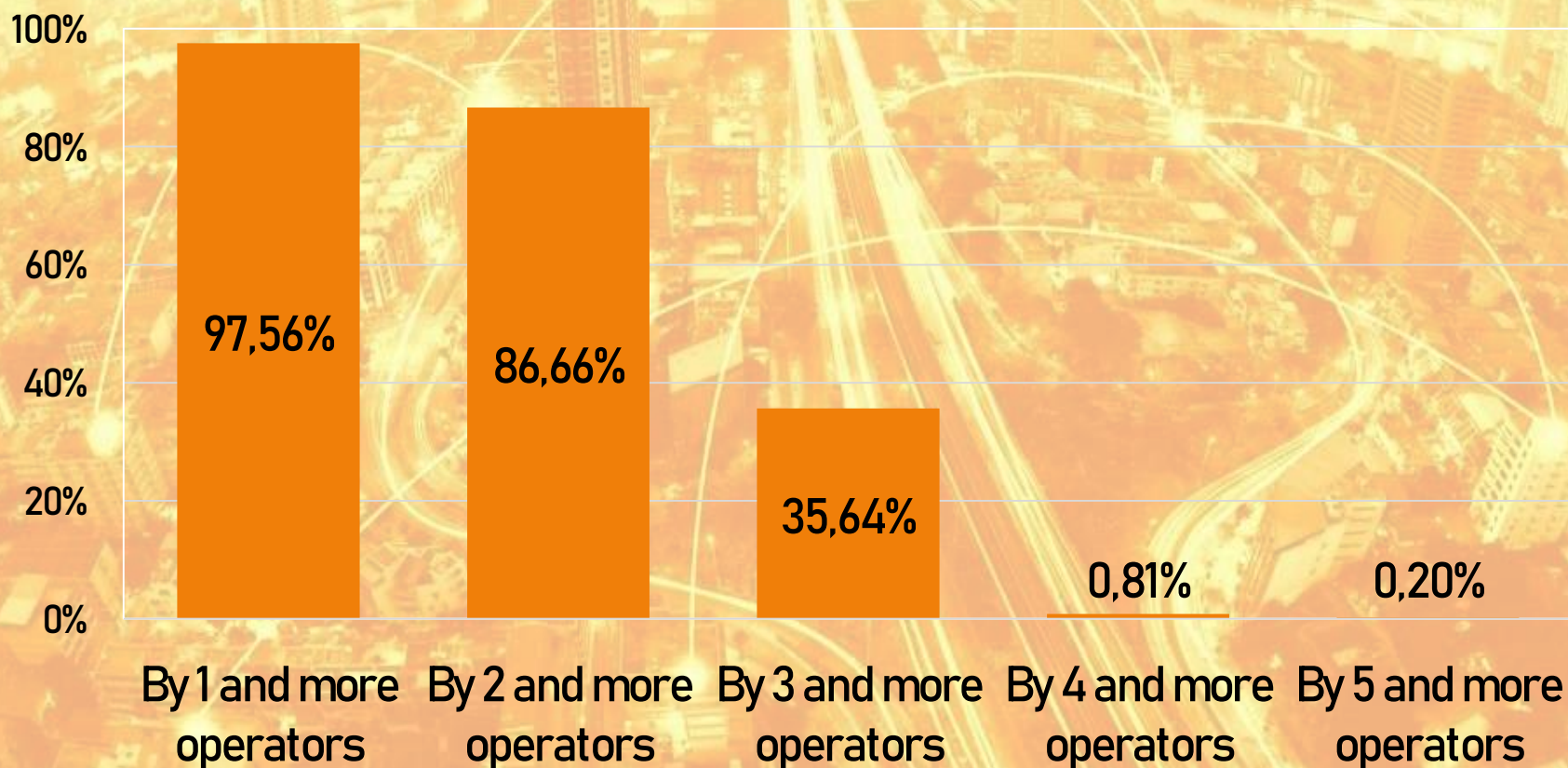
City Name	Šiauliai
Size	4th largest city in LT
Inhabitants	100 575
No. of residential premises	47 570



NGN Development in Šiauliai



Duplication of Fixed Networks in Šiauliai





Thank you!
Any questions welcomed

