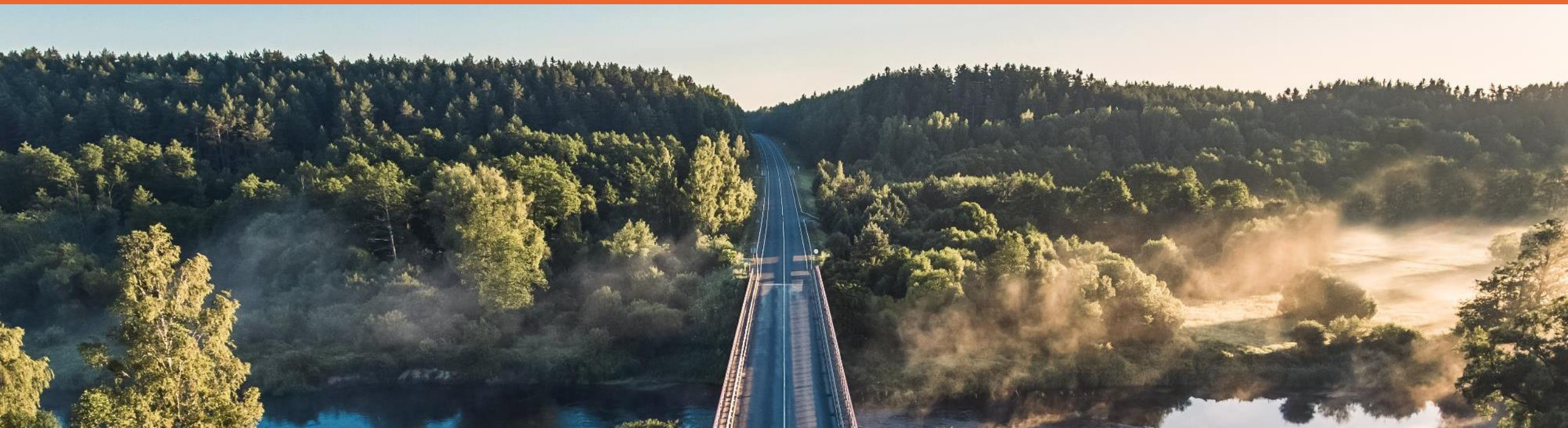


Average speed control system: traffic safety aspects and results

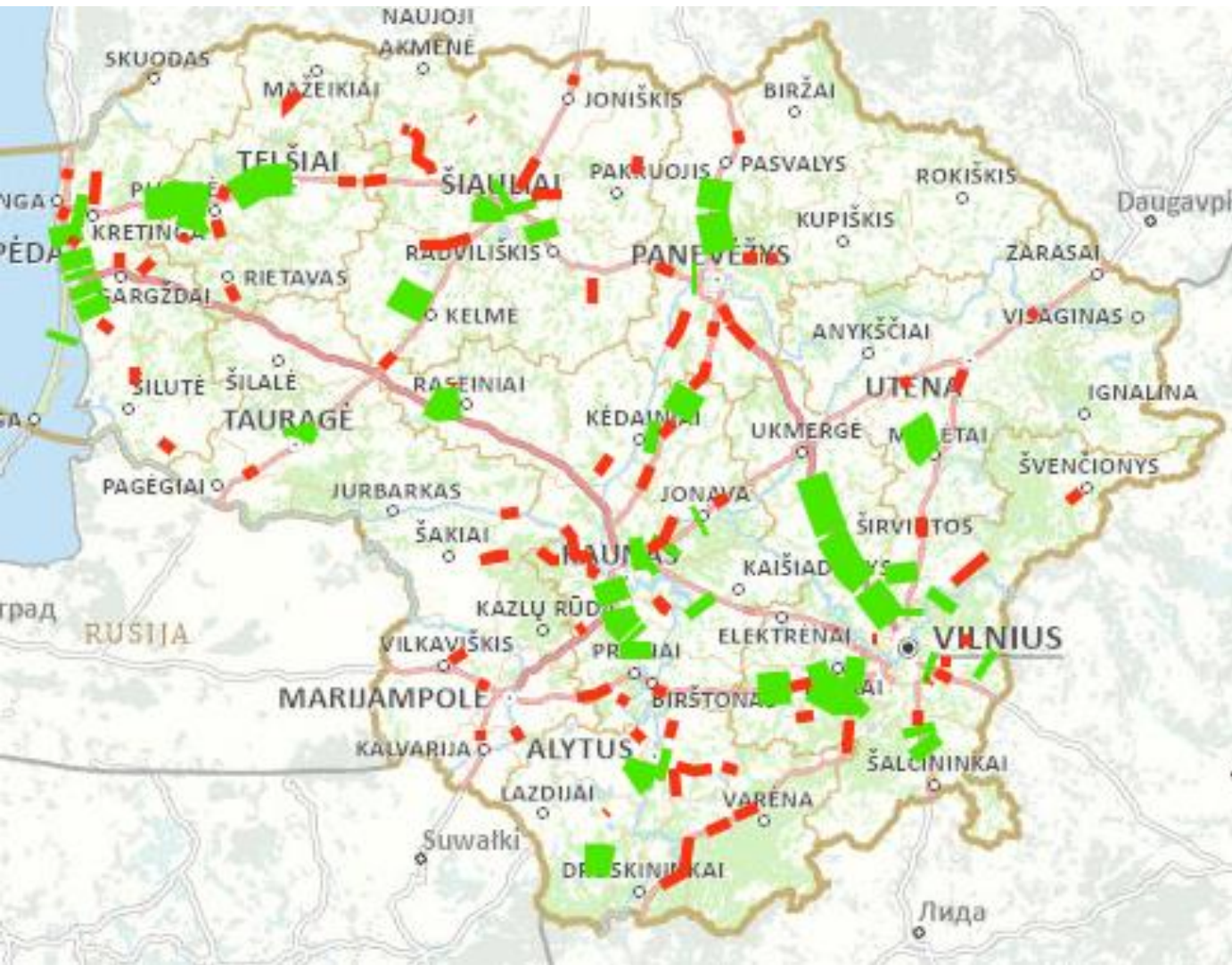
Viktoras Lapinas



LITHUANIAN
ROAD
ADMINISTRATION



Average speed control system



Steps implemented

- Methodology for selection of sectors for average speed enforcement
- List of priorities approved and published on the Road Administration web page (4,003 homogeneous road sections)
- 2022 - 131 average speed enforcement sectors installed on state roads
- Sectors cover 857 km of state roads



In 2016–2020: **83 road fatalities** and **918 injured** on the selected 131 road sections

Traffic safety aspects and results

Results at very early stage of exploitation (based on 56 sectors installed)

- 56 sectors
- Total length of ASCS sectors – 389,285 km
- Injured on ASCS sectors:

before installation in 5 years period – **407** > in 2021 – **26**

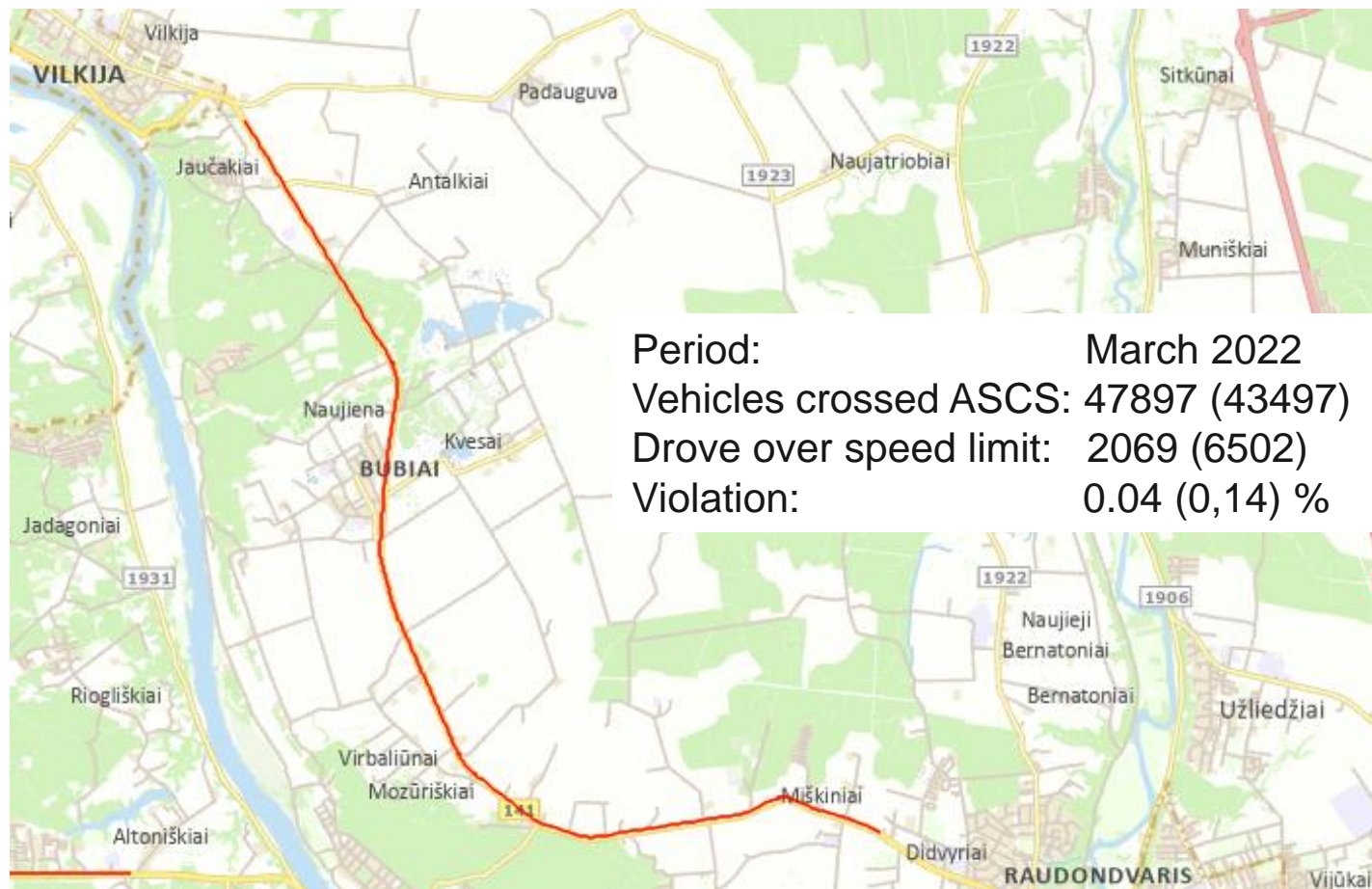
Fatalities on ASCS sectors: before installation in 5 years period – **36** > in 2021 – **2**

- Average speed on ASCS sectors 7,5 km/h under the speed limit



Traffic safety aspects and results

Results at very early stage of exploitation on the separate ASCS sectors

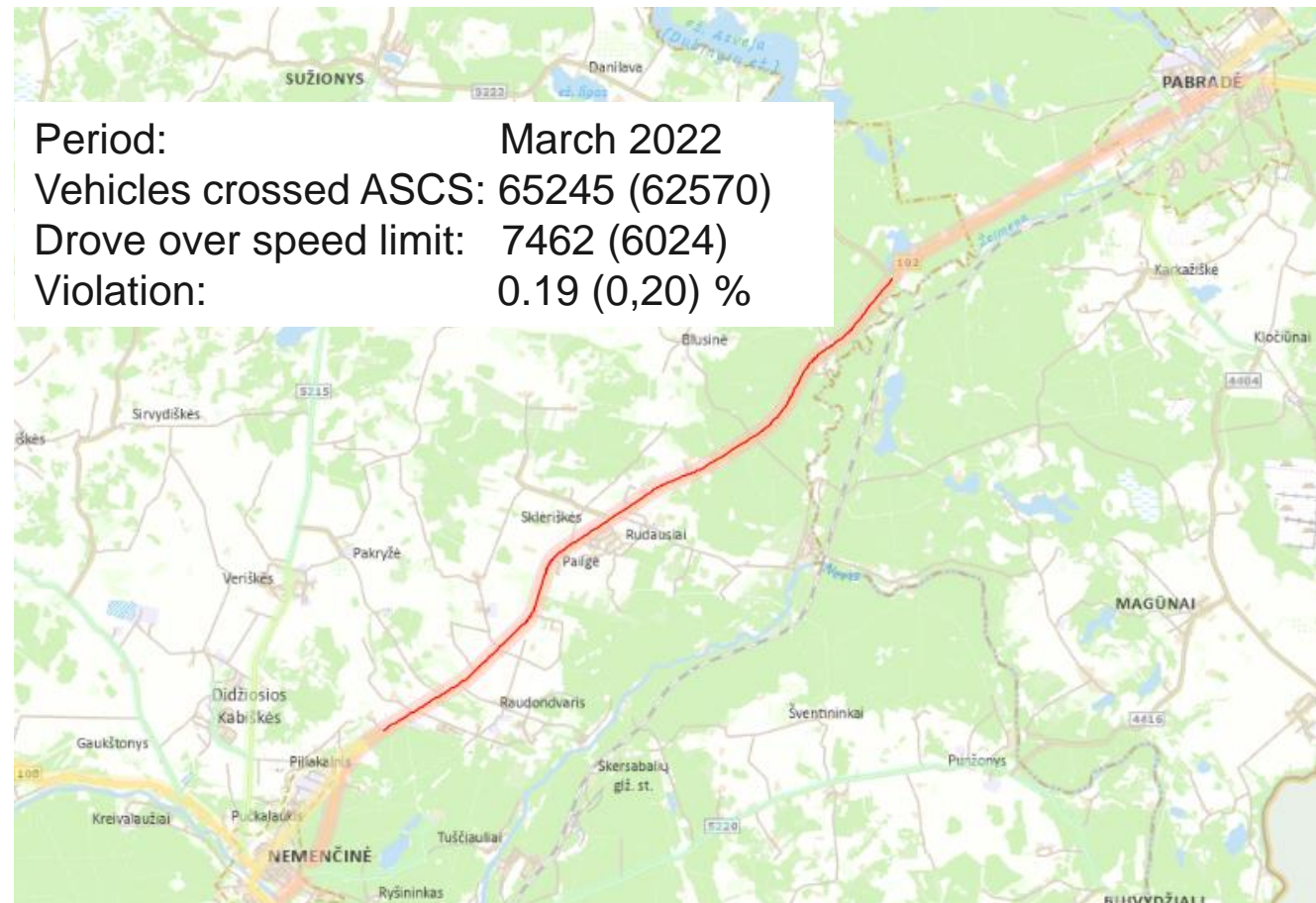


- Road no 141
- ASCS sector 12,78–28,39 km
- ASCS length – 15,61 km
- 2021 injured – **1**
- 2021 killed – **0**
- 2016–2020 injured – **25**
- 2016–2020 fatalities – **2**
- Average speed on ASCS sectors 11 km/h under the speed limit
- AADT on the sector – 6866 vehicles

Traffic safety aspects and results

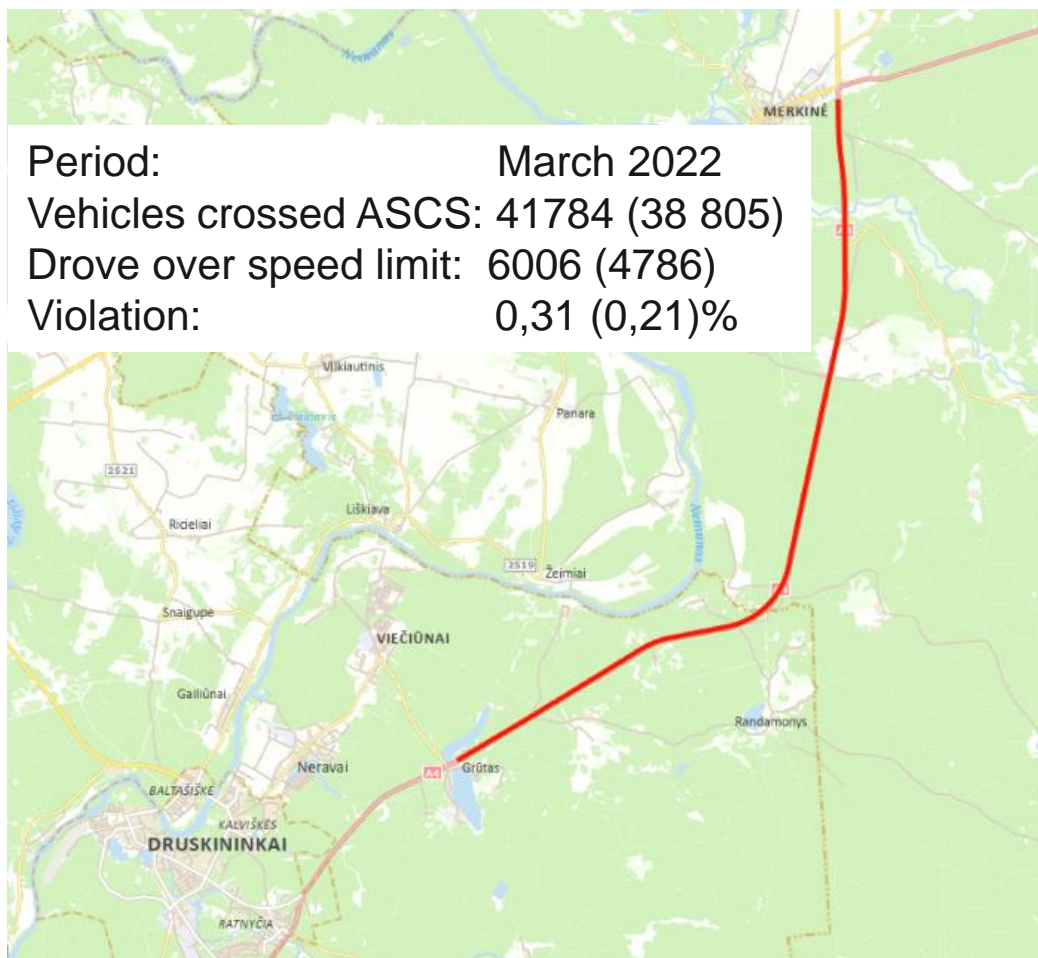
Results at very early stage of exploitation on the separate ASCS sectors

- Road no 102
- ASCS sector 26,27-40,21 km
- ASCS length – 13,94 km
- 2021 injured – **1**
- 2021 killed – **0**
- 2016–2020 injured – **10**
- 2016–2020 fatalities – **4**
- Average speed on ASCS sectors 7,5 km/h under the speed limit
- AADT on the sector – 6722 vehicles



Traffic safety aspects and results

Results at very early stage of exploitation on the separate ASCS sectors

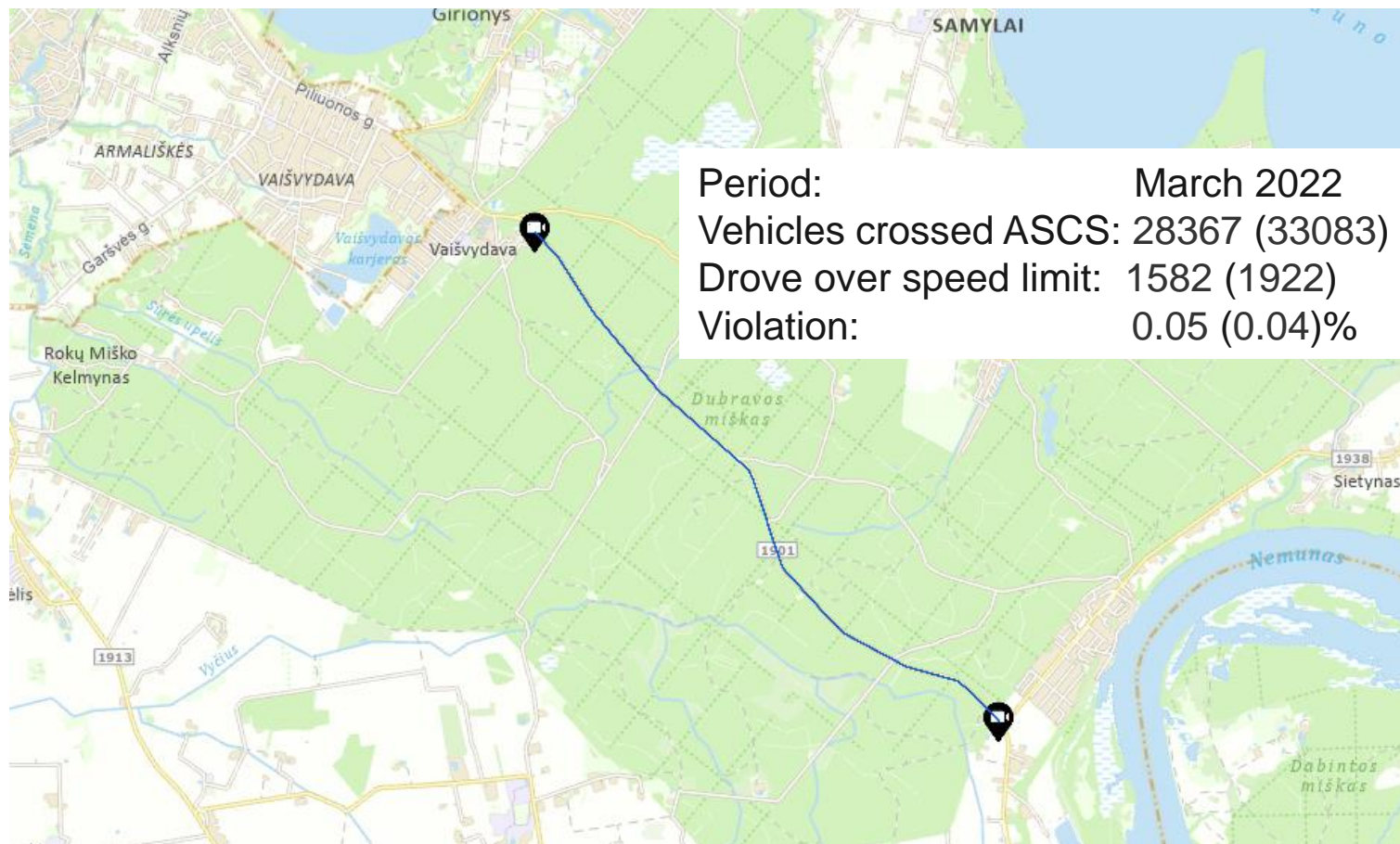


- Road no A4
- ASCS sector 102,00-121,34 km
- ASCS length – 19,34 km
- 2021 injured – **0**
- 2021 killed – **0**
- 2016–2020 injured – **19**
- 2016–2020 fatalities – **1**
- Average speed on ASCS sectors 6,5 km/h under the speed limit
- AADT on the sector – 3599 vehicles

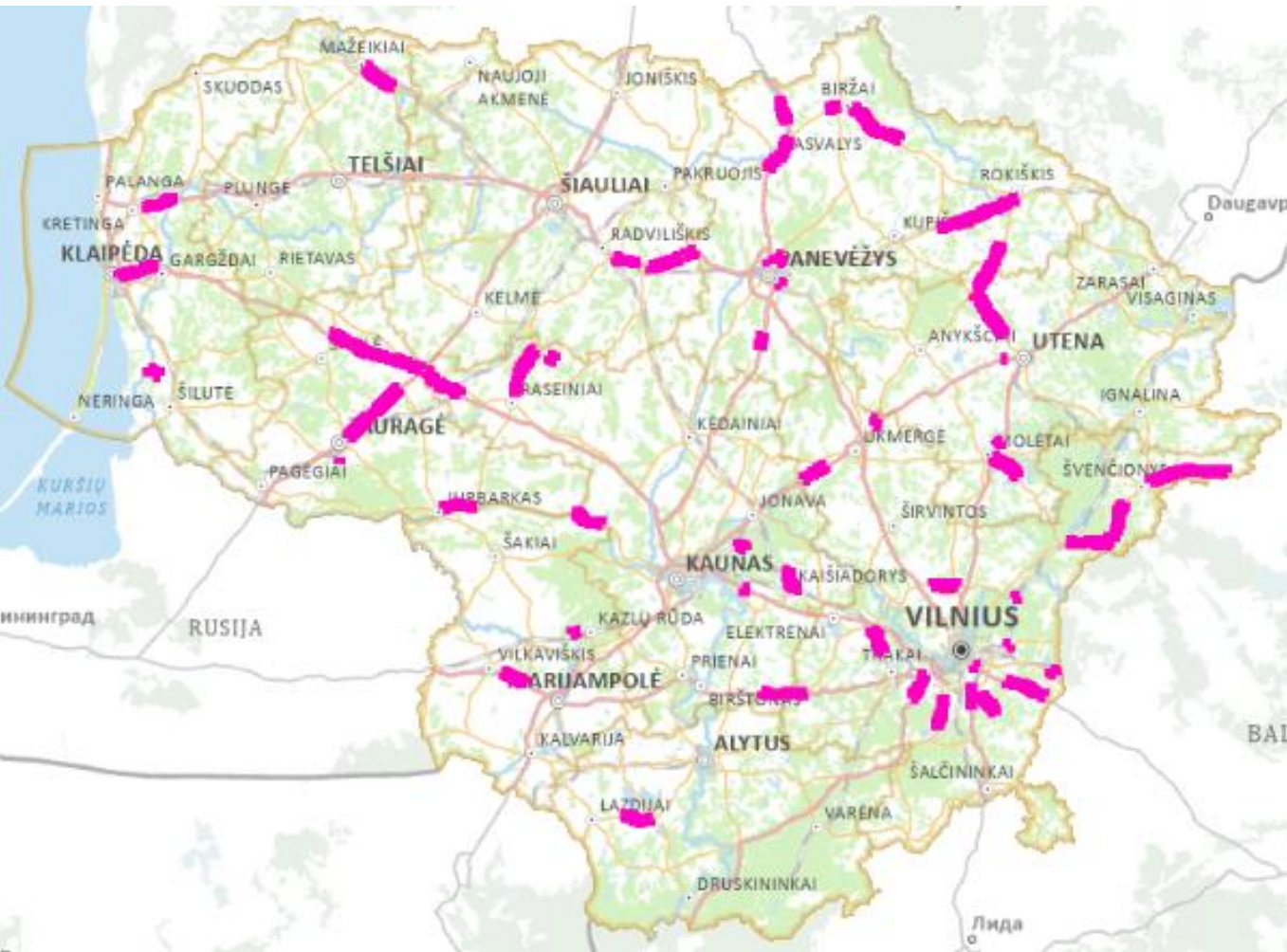
Traffic safety aspects and results

Results at very early stage of exploitation on the separate ASCS sectors

- Road no 1901
- ASCS sector 1,57- 7,66 km
- ASCS length – 6,09 km
- 2021 injured – **0**
- 2021 killed – **0**
- 2016–2020 injured – **10**
- 2016–2020 fatalities – **4**
- Average speed on ASCS sectors
7 km/h under the speed limit
- AADT on the sector – 2428 vehicles



Average speed control system next step



Steps implemented

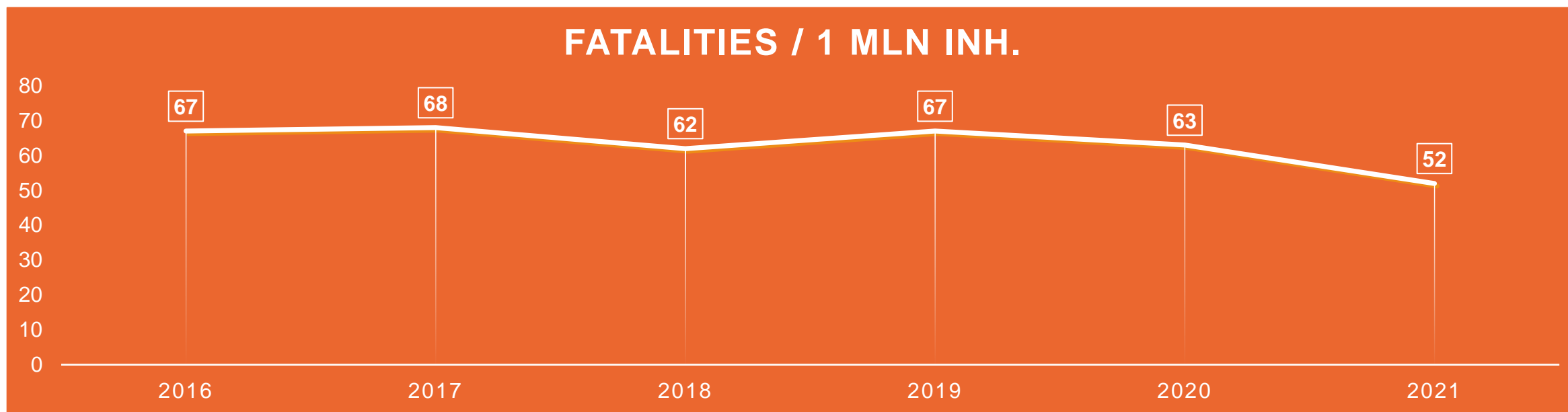
- Methodology for selection of ASCS sectors for average speed enforcement **has been revised**
- NEW List of priorities approved and published on the Road Administration web page
- 2023 – additional 50-60 average speed enforcement ASCS sectors shall be installed on state roads
- Additional ASCS sectors will cover about 550 km of state roads



In 2016–2021: **140** road fatalities on the selected **60** road sections

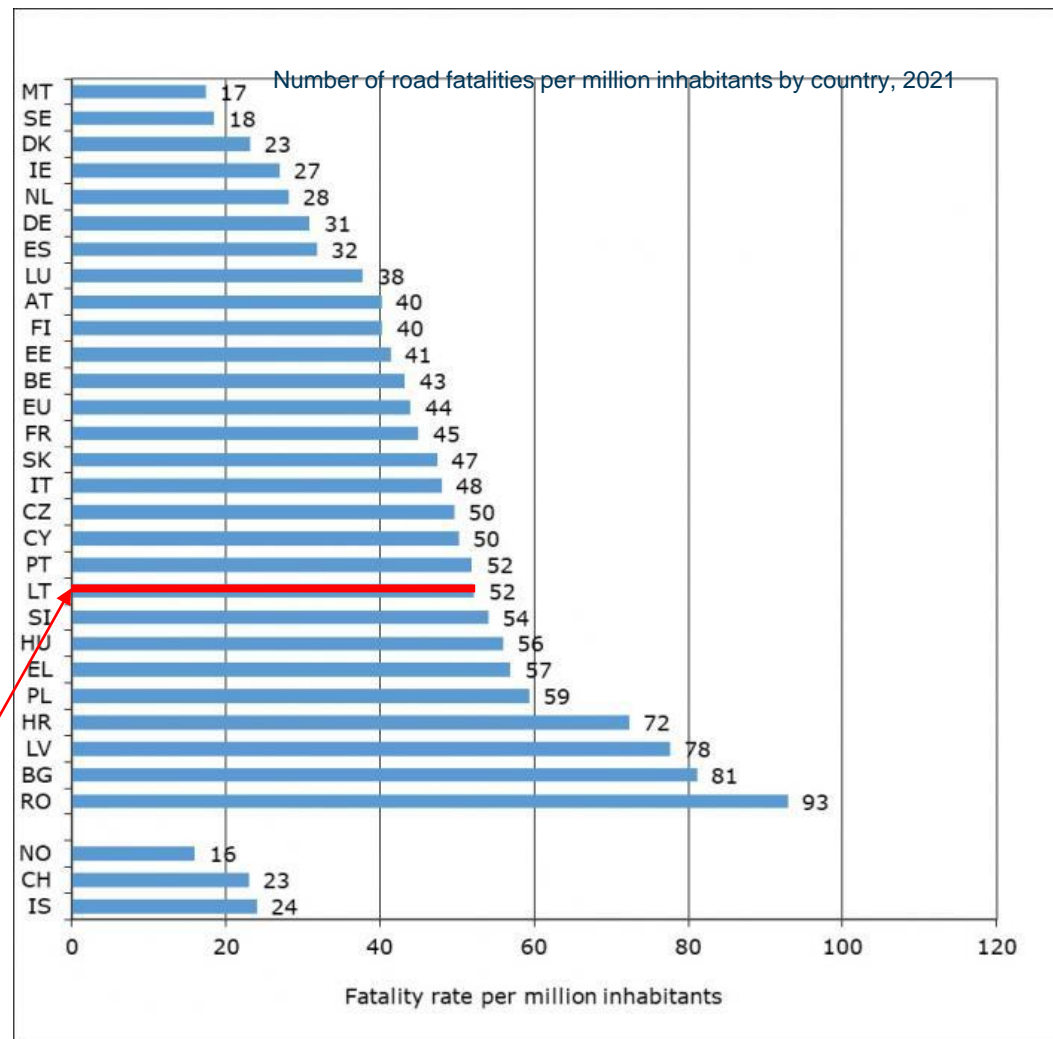
What Happen After 5 Years Stuck in Pursuing Decrease of Fatalities?

- In 2016–2020: the same number of fatalities (from 62 to 68 fatalities per 1 million inhabitants)
- **In 2021:** 17 percent decrees in road deaths (from 63 to 52 fatalities per 1 million inhabitants)



What Happened Since 2012 ?

| Country | 2012 | | 2001 | | Road Deaths per million Population |
|-----------------|-------------|--------------------------|-------------|------------|------------------------------------|
| | Road Deaths | Population | Road Deaths | Population | |
| Malta | 9 | 417,520 | 22 | 16 | 391,415 |
| UK | 1768** | 62,989,551 | 28** | 3,598 | 58,999,781 |
| Norway | 148 | 4,985,870 | 30 | 275 | 4,503,436 |
| Sweden | 286 | 9,482,855 | 30 | 531 | 8,882,792 |
| Denmark | 175* | 5,580,516 | 31* | 431 | 5,349,212 |
| Israel | 263 | 8,012,400 ⁽¹⁾ | 33 | 542 | 6,508,800 ⁽¹⁾ |
| Ireland | 162 | 4,582,769 | 35 | 411 | 3,832,783 |
| The Netherlands | 650* | 16,730,348 | 39* | 1,083 | 15,987,075 |
| Spain | 1,834* | 46,196,276 | 40* | 5,517 | 40,476,723 |
| Switzerland | 339 | 7,954,662 | 43 | 544 | 7,204,055 |
| Germany | 3,601 | 81,843,743 | 44 | 6,977 | 82,259,540 |
| Finland | 255* | 5,401,267 | 47* | 433 | 5,181,115 |
| Slovakia | 295† | 5,404,322 | 55† | 625 | 5,378,783 |
| France | 3,653* | 63,409,191 | 58* | 8,162 | 59,266,572 |
| Cyprus | 51 | 862,011 | 59 | 98 | 697,549 |
| Italy | 3,650* | 60,820,696 | 60* | 7,096 | 56,960,692 |
| Hungary | 605 | 9,957,731 | 61 | 1,239 | 10,200,298 |
| Austria | 522* | 8,443,018 | 62* | 958 | 8,020,946 |
| Slovenia | 130 | 2,055,496 | 63 | 278 | 1,990,094 |
| Luxembourg | 34 | 524,853 | 65 | 70 | 439,000 |
| Estonia | 87† | 1,339,662 | 65† | 199 | 1,366,959 |
| Belgium | 750* | 11,094,850 | 68* | 1,486 | 10,263,414 |
| Czech Republic | 734 | 10,505,445 | 70 | 1,334 | 10,266,546 |
| Portugal | 743* | 10,541,840 | 70* | 1,670 | 10,256,658 |
| Bulgaria | 605† | 7,327,224 | 83† | 1,011 | 8,149,468 |
| Latvia | 177 | 2,041,763 | 87 | 558 | 2,364,254 |
| Greece | 1,027* | 11,290,067 | 91* | 1,880 | 10,931,206 |
| Poland | 3,571 | 38,538,447 | 93 | 5,534 | 38,253,955 |
| Serbia | 684* | 7,241,295 | 94* | 1,275 | 7,504,739 |
| Romania | 2,042 | 21,355,849 | 96 | 2,451 | 22,430,457 |
| Lithuania | 301 | 3,007,758 | 100 | 706 | 3,486,998 |
| EU27 | 27,721 | 503,663,601 | 55 | 54,352 | 482,084,285 |
| EU15 | 19,110 | 398,931,840 | 48 | 40,303 | 377,107,509 |
| EU10 | 5,964 | 76,048,688 | 78 | 10,587 | 74,396,851 |
| EU2 | 2,647 | 28,683,073 | 92 | 3,462 | 30,579,925 |



Source: CARE (EU Road accidents database) and Commission estimates.
Population data from Eurostat.

Source: The European Transport Safety Council (ETSC). National statistics provided by the PIN Panellists in each country.

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