

49th ASECAP DAYS

*Decarbonizing Road Infrastructure : Challenges,
Perspectives and Actions in Tough Economy*

ASECAP DAYS



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IMPACT OF DAMAGED AND STOLEN TRAFFIC SIGNS AND EQUIPMENT ON TRAFFIC SAFETY

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**PUBLIC ENTERPRISE
ROADS OF SERBIA**

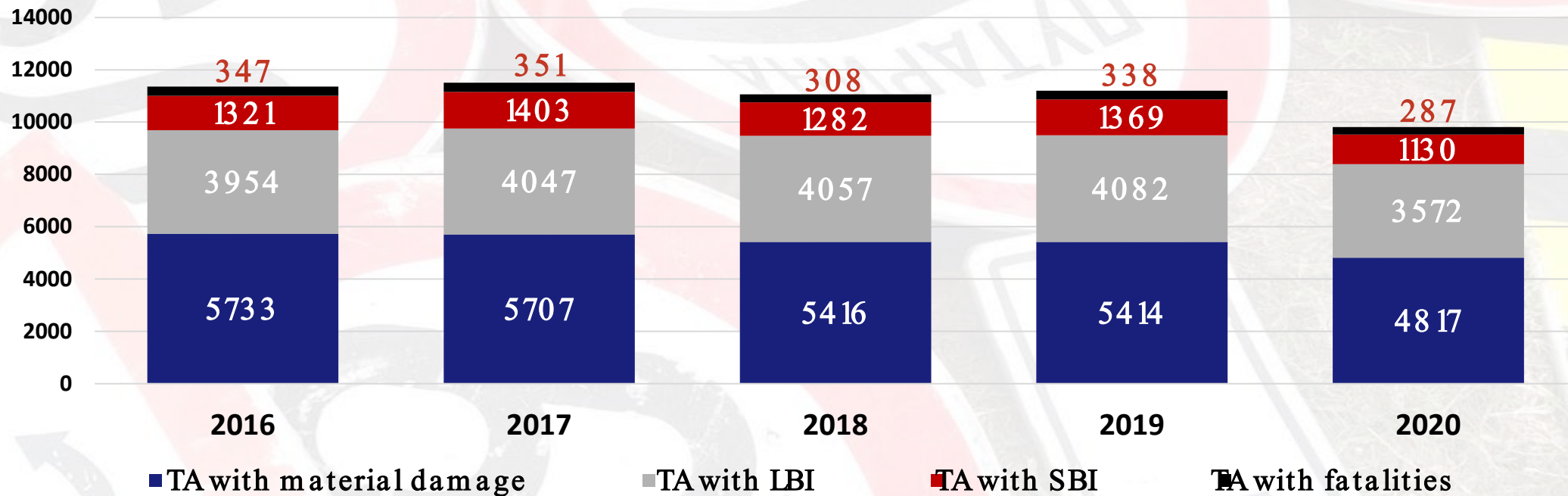
Introduction

- Media campaigns - A significant contribution to changing the behavior of traffic participants
- Campaigns on the topic of theft and vandalism of traffic signs are rarely implemented
- Target group: traffic participants and the population that directly participate in vandalism and stealing of traffic signs and equipment.
- Research conducted on the data from 2016 to 2020 using:
 - Analysis of the total number and structure of Traffic accidents (TA)
 - Spatial analysis of TA
 - Time analysis of TA
 - Analysis of influential factors

Goals

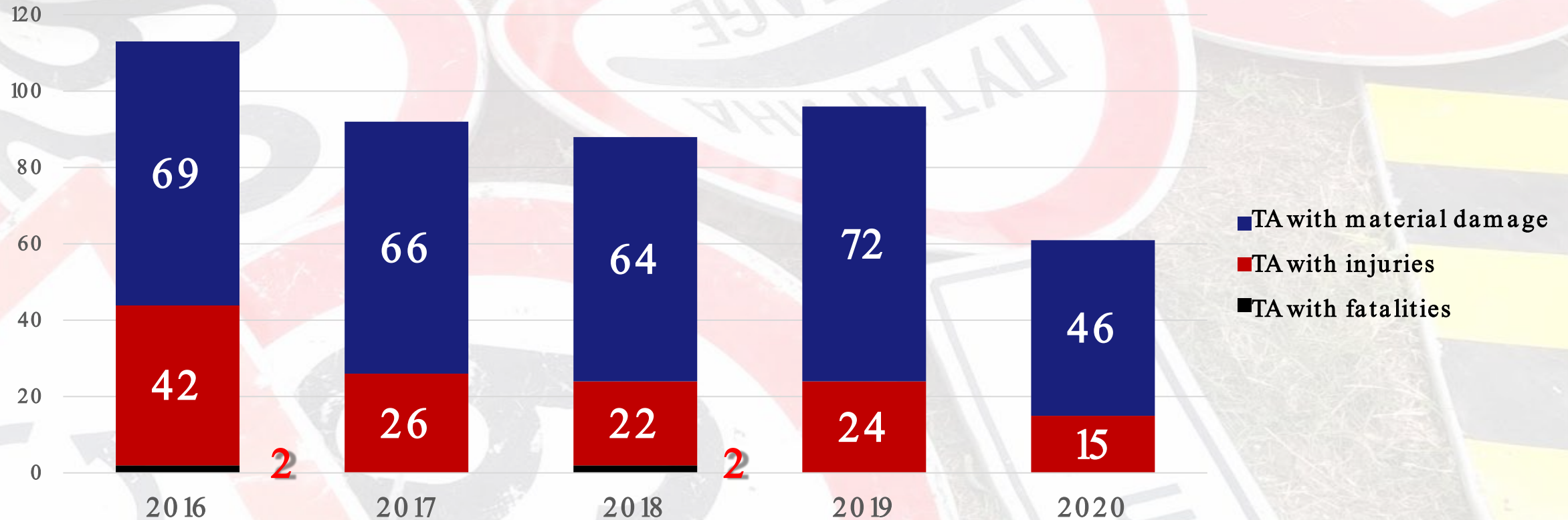
- The main goal: Reducing the number of TA on the national road network
- Raising public awareness
- Effective communication strategy and education of target groups
- Prevention of vandalism committed by third parties
- Confirmation of the active role of PERS in the field of traffic safety

Traffic accidents in the Republic of Serbia



By analyzing the obtained data, it can be seen that a total of **54,935** traffic accidents occurred in the period from 2016 to the end of 2020, of which **1,631** were accidents with fatalities.

Influential factor analysis



From 2016 to the end of 2020, a total of **450** traffic accidents occurred on state roads in the Republic of Serbia, which had "Inadequate/non-existent or insufficiently visible traffic signs and/or road equipment" as the influencing factor. The influencing factor was recognized in **0.8%** of TA with fatalities.

The costs of replacing damaged or stolen traffic signs

Year	No. of New Traffic Signs	No. of New Traffic Boards	Total Costs [in/€]
2018	2.768	52	173.000,00
2019	2.725	56	142.000,00
2020	2.804	60	201.000,00
Total	8.297	168	516.000,00

Example:

From year 2019 to 2021, worth of damaged wire fences amounted to 830.000,00€.

For the maintenance of IB, II A and II B category roads, it was spent 715.000€ in 2021.



Concluding considerations

- Damage/theft on roads of I A category - target of vandals are larger size traffic signs
- Damage/theft on lower-tier network roads - less AADT and police control
- TA concentration in the vicinity of larger populated places - the responsible culprits are most likely local residents
- The motive for stealing traffic signs can be their value as secondary raw material

Recommendations

- Better record keeping of accidents and stolen signs
- Identification of specific microlocation
- Targeted controls and cooperation with Ministry of Interior Affairs
- Continuous implementation of campaigns
- Marking the back side of the traffic sign with the amount of fines for theft/damage of TSE (traffic signs and elements)
- Public invitation to raw material buyers not to be involved in purchasing of TSE

**KEEP TRAFFIC
SIGNS IT SAVES
OUR
LIVES**



Republic of Serbia
MINISTRY OF CONSTRUCTION,
TRANSPORT AND INFRASTRUCTURE



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DID YOU KNOW?

1

On the roads in Serbia, over 25.000 traffic signs and parts of equipment have been damaged or stolen in last four years

2

The value of stolen and damaged traffic signs and equipment is over one million euros in last five years



Negligently damaged and intentionally destroyed traffic signs can lead to a fatal traffic accident

IT IS FORBIDDEN TO

- Destroy
- Remove or replace
- Steal
- Paint or scribble

By stealing and destroying traffic signs you become an accomplice in an accident



KEEP TRAFFIC SIGNS, IT SAVES OUR LIVES!

[CLICK HERE TO WATCH THE VIDEO](#)

TRAFFIC SIGN MEANS LIFE!



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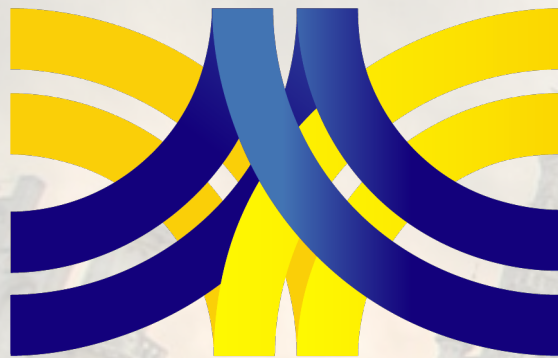


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**THANK YOU FOR YOUR
ATTENTION**



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