Working Group Institutional Coordination and Data Systems January 24th, 2019

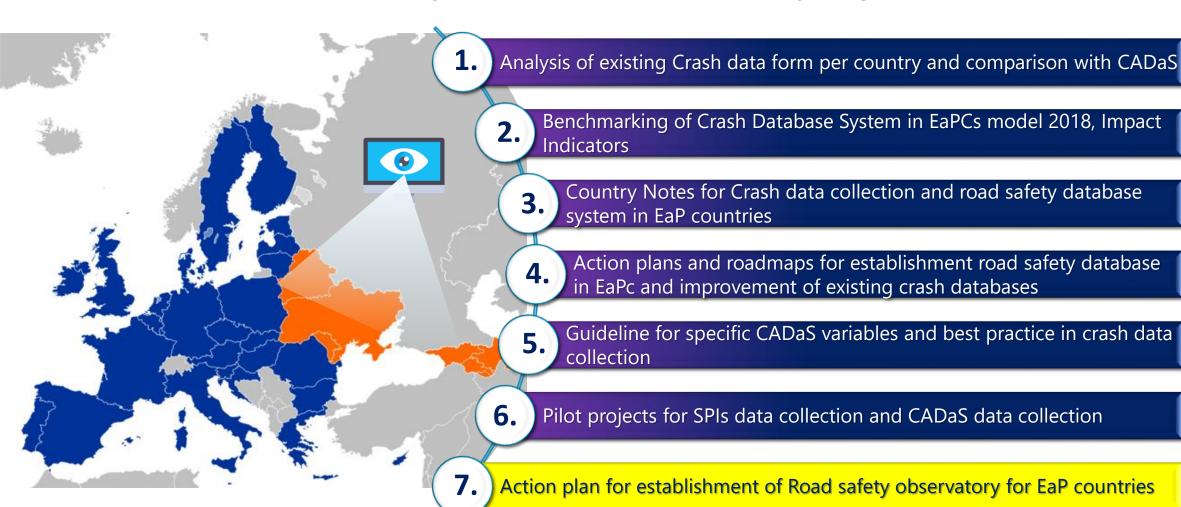


Key results and outputs of the crash data system improvement activity in the EaP countries

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INTERNATIONAL CRASH DATA AND ROAD SAFETY SPECIALIST



Main tasks and outputs from the EaP project





Analysis of existing Crash data form per country and comparison with CADaS









Assessment and comparison of current data sets and data structure of EaP countries with proposed data sets and data structure were recommended by European Commission,

The World Bank

INTERNATIONAL DEVELOPMENT ASSOCIATION

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

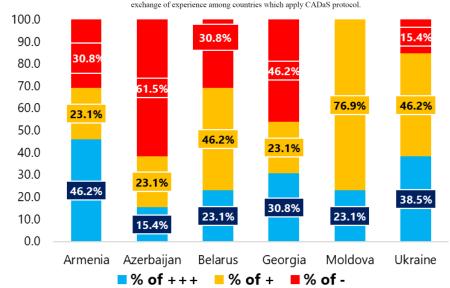
particularly CADaS

The document CADaS¹ proposes a minimum set of standardized data on accidents which is to be collected in the Member States of the European Union, and which will allow comparability of data on accidents between countries in Europe. Recording data according to the CADaS recommendations of the European Commission will enable more detailed and reliable analysis of road safety situation, planning of measures to improve road safety, measuring the efficiency of implemented measures, as well as the synthesis of experience among countries which early CADS protocol.

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Benchmarking of Crash Database System in EaPCs model 2018, Impact Indicators



Legislation



Software Platform



Concept of road safety database



GIS oriented



WEB Oriented



Database availability



Updated



Willingness to data exchange



Institution



2.

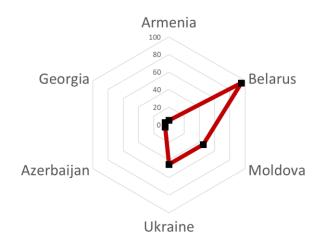
Benchmarking of Crash Database System in EaPCs model 2018, Impact Indicators

Main QUESTIONS!

Establishment and management of crash database is direct recognized by Law or sub-law related to road safety

ORACLE, SQL, Other database software platform...

Road safety database concept is RECOGNIZED or NOT RECOGNIZED



Crash database is GIS and WEB oriented, Yes or No?
If Yes is it operational?

Availability of Crash or other road safety data and how often?

Evaluation of data exchange between different institutions/organizations

In charge institution for crash or road safety database development

Possibility for connection with other databases and data sets.

3.

Country notes – Content



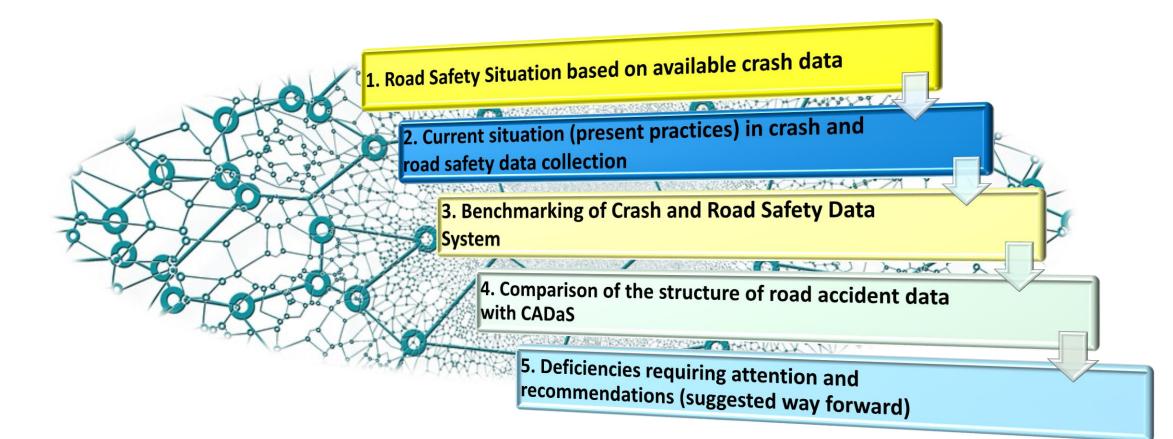






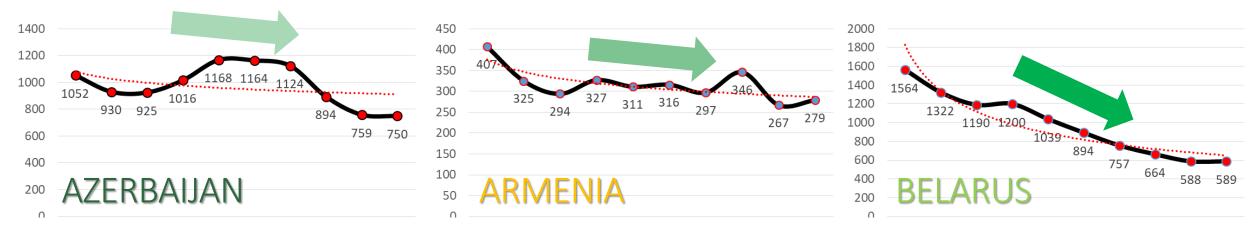




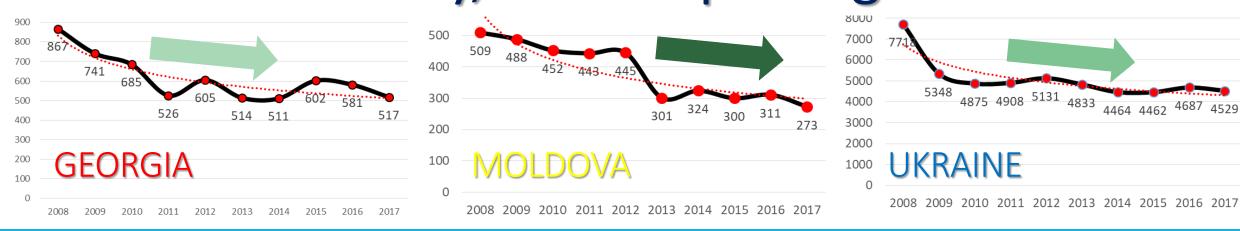


General road accident data in EaP countries

Number of fatalities, trend lines



Definitely, underreporting exist!



Will be useful to add a slide with comparison of 2016 fatalities and injuiries data as reported by EaP countries and the recently published WHO report:

https://www.who.int/violence_injury_prevention/road_safety_status/20_18/en/

It will reinforce the message about underreporting.

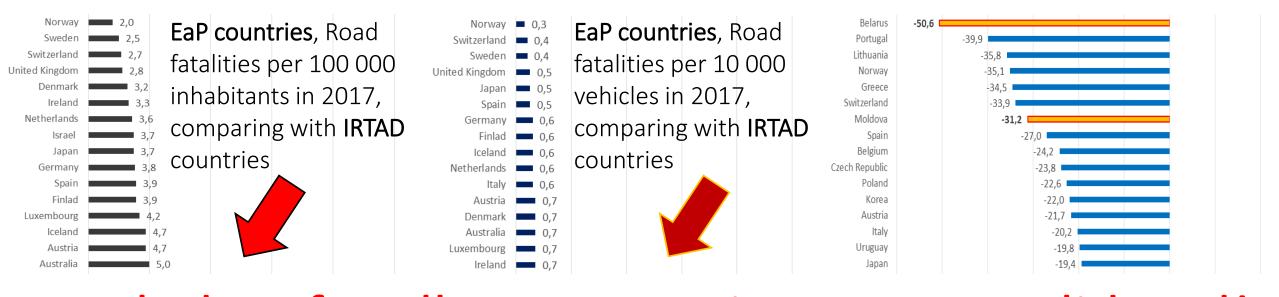
General road accident data in EaP countries

Number of injuries, trend lines

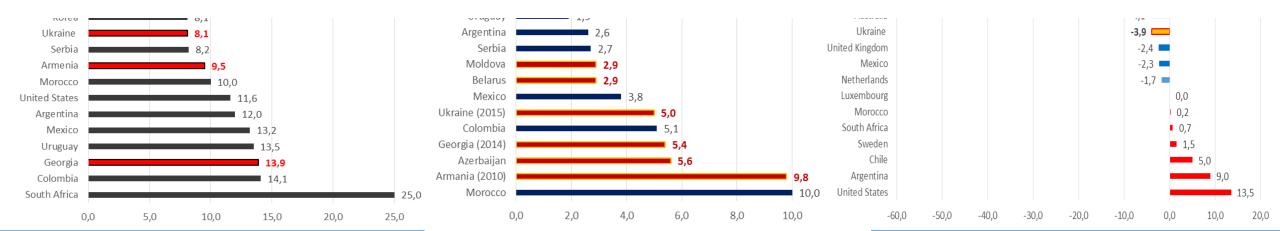


Definitely, underreporting does exist!



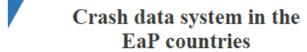


Crash data for all EaP countries are not validated! Did not pass standard procedure before publishing as official data in the IRTAD database



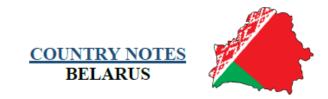
Crash Data System Country Notes for each EaP country

Crash data system in the EaP countries



Crash data system in the EaP countries







Crash data system in the EaP countries



Crash data system in the

EaP countries

Crash data system in the EaP countries







Action plans and roadmaps – Road safety database and improvement of existing crash databases

(Example from Georgia)

	Establishing of National (integrated) Road Safety database for Republic of Georgia			Developing software application for better collection of data about injuries and establishing connection between hospitals and patrol police stations		
1	Improving existing national Crash accident database in Georgia in Commission	a accordance with CADaS recommendation of European		Timeline	2018 2019 2020	
	2018 2019 2020		Period for implementation of activities/Type of activities (month/year)			
	Period for implementation of activities/Type of activities (month/year)			Lead institution/organisation	Ministry of Health (NCDC), Ministry of Interior - Information and Analytical Department and Patrol Police Department	
	Lead institution/organisation	Ministry of Interior - Information and Analytical Department, Patr Police Department and police unit in-charge for crash data collecti		Expected budget	50,000.00 - 70,000.00 EUR	
	Expected budget	<u> </u>		Support	Ministry of Economy and Sustainable Development, State Road Administration (Roads Department)	
	Support	Ministry of Economy and Sustainable Development, State Road Administration (Roads Department), Ministry of Health (NCDC)			Data collection about injuries in road accidents imporved and data exchange between hospitals (emergency services) and police stations established	
	Expected result	Crash database in Georgia improved and new sets of data included in accordance with CADaS		Expected result		
2	Develop GIS oriented state roads reference system about road sections and nodes on national and regional highways and most important regional road network		4	Establishing Trauma Register in National Centre for Disease Control and adoption the definitions of the level of injuries for the Republic of Georgia		
	Timeline	2018 2019 2020		Timeline	2018 2019 2020	
	Period for implementation of activities/Type of activities (month/year)	RHS		Period for implementation of activities/Type of activities (month/year)	R DPP PI	
	Lead institution/organisation	State Road Administration (Roads Department)		Lead institution/organisation	National Centre for Disease Control	
	Expected budget	150,000.00 - 200,000.00 EUR (10,000 -15,000 km of national road network)		Expected budget	30,000.00 - 50,000.00 EUR	
	Support	Ministry of Economy and Sustainable Development, Ministry of Interior - Information and Analytical Department, Patrol Police Department		Support	Ministry of Health, Ministry of Economy and Sustainable Development, Ministry of Interior	
	Expected result	National State Road Reference System established and in use		Expected result	Trauma Rregister at NCDC established and in function; Definitions of levels of injuries adopted	



Action plans and roadmaps – Road safety database and improvement of existing crash databases

5	Directing of patrol police activities and police units in-charge for traffic control and traffic regulation based on data (after full implementation of CADaS protocol)					
	Timeline	2018 2019 2020				
	Period for implementation of activities/Type of activities (month/year)	R DPP PI				
	Lead institution/organisation Ministry of Interior - Information and Analytical Department police of the Republic of Georgia and police unit in-charge data collection					
	Expected budget	50,000.00 EUR				
	Support	Ministry of Economy and Sustainable Development, State Road Administration (Roads Department), Ministry of Health (NCDC)				
	Expected result	Leading of patrol police activities based on data with established software application and necessary algorithms in use				
	FINAL Project: Establishing of National (integrated) Road Safety database for Republic of Georgia					
		ditables for republic of Georgia				
	Timeline	2018 2019 2020				
	Timeline Period for implementation of activities/Type of activities (month/year)					
		2018 2019 2020				
	Period for implementation of activities/Type of activities (month/year)	2018 2019 2020 RFS DPP PI				
	Period for implementation of activities/Type of activities (month/year) Lead institution/organisation	2018 2019 2020 RFS DPP PI				

LEGEND:

R - Usually research activities imply research study and preparation work for project implementation

RFS - The first steps necessary for improving existing regulatory framework and standards

DPP - The mark named Development Project Proposal is dedicated to pilot projects

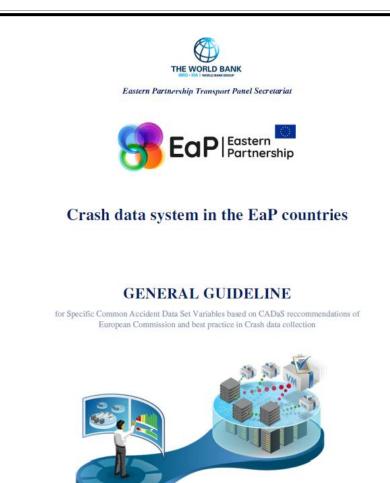
PI - Project implementation

Guideline for specific CADaS variables and best practice in crash data collection

- Depends by level of development
- Different from country to country
 - 1. GPS coordinates of RA (X and Y, or N, E)
 - 2. Types of RA in accordance with CADaS and
 - 3. Contributory factors in RA data collection
 - 4. Road related data:
 - -Specific place of road accident
 - -Relation to junction/interchange

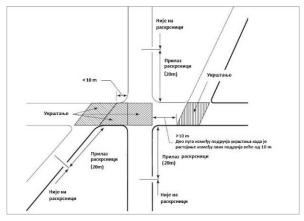
-...

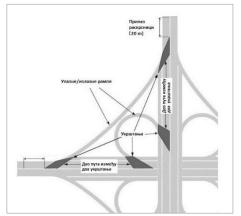
- 5. Traffic unit manoeuvre
- 6. Injuries as reported

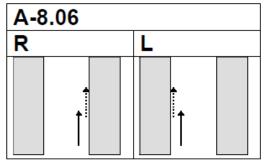


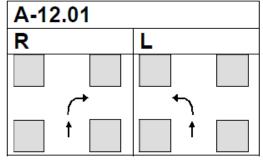


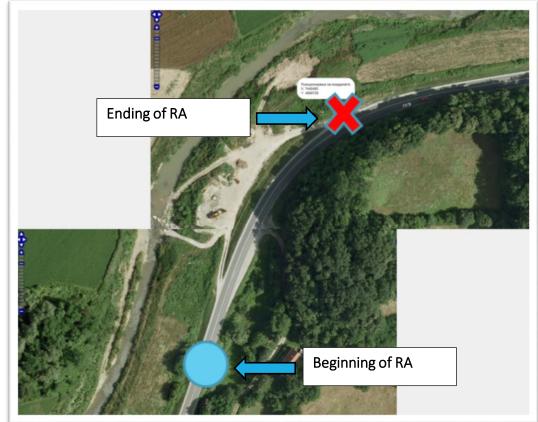
New immediate steps... examples











New immediate steps... Example of programming work



NOM_TIP_ID	NAME	STATUS
1	ACCIDENTS WITH PEDESTRIANS	Α
2	ACCIDENTS WITH PARKED VEHICLES	Α
3	SINGLE VEHICLE ACCIDENTS	Α
4	AT LEAST TWO VEHICLES – NO TURNING	Α
5	AT LEAST TWO VEHICLES – TURNING OR CROSSING	Α

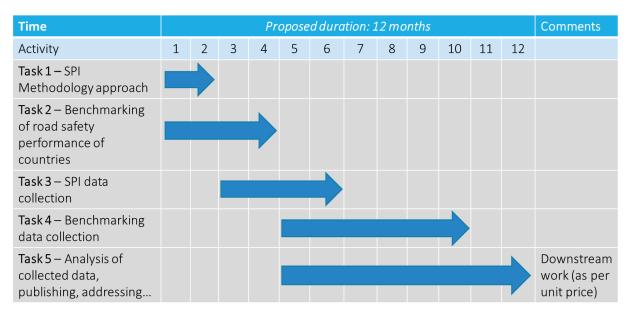
SQL query:

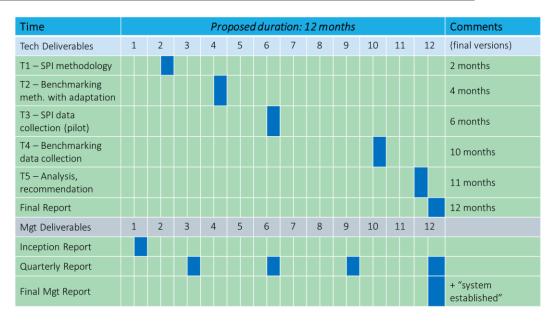
Select nom_tip_id, name, status FROM nez_nom_tipovi





Pilot projects for SPIs data collection and CADaS data collection









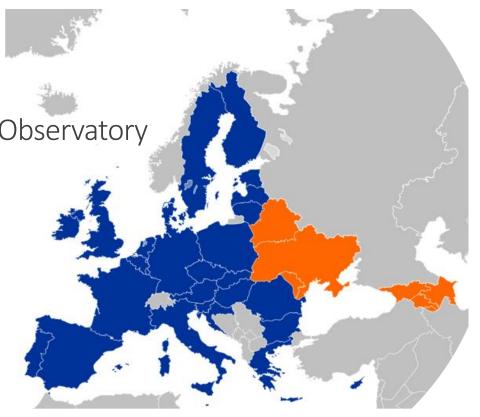




Action plan for establishment of Road safety observatory for EaP countries

- Potential partners in creation of Observatory
- Principles for creation of Observatory
- Scope of data and info collected and shared via Observatory
- Organization models
- Resources needed
- Financing models
- Formal arrangements needed
- Establishment of Observatory

...RSO will be present later!







THANK YOU FOR YOUR ATTENTION ANY QUESTIONS?

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