

The path to improving road safety and the SafetyCube DSS

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Four steps to increased road safety

Diagnosis prior to therapy

Identification of options for therapy

Selection of „best bundle“

Implementation

Four steps to increased road safety

Diagnosis prior to therapy



Identification of options for therapy



Selection of „best bundle“

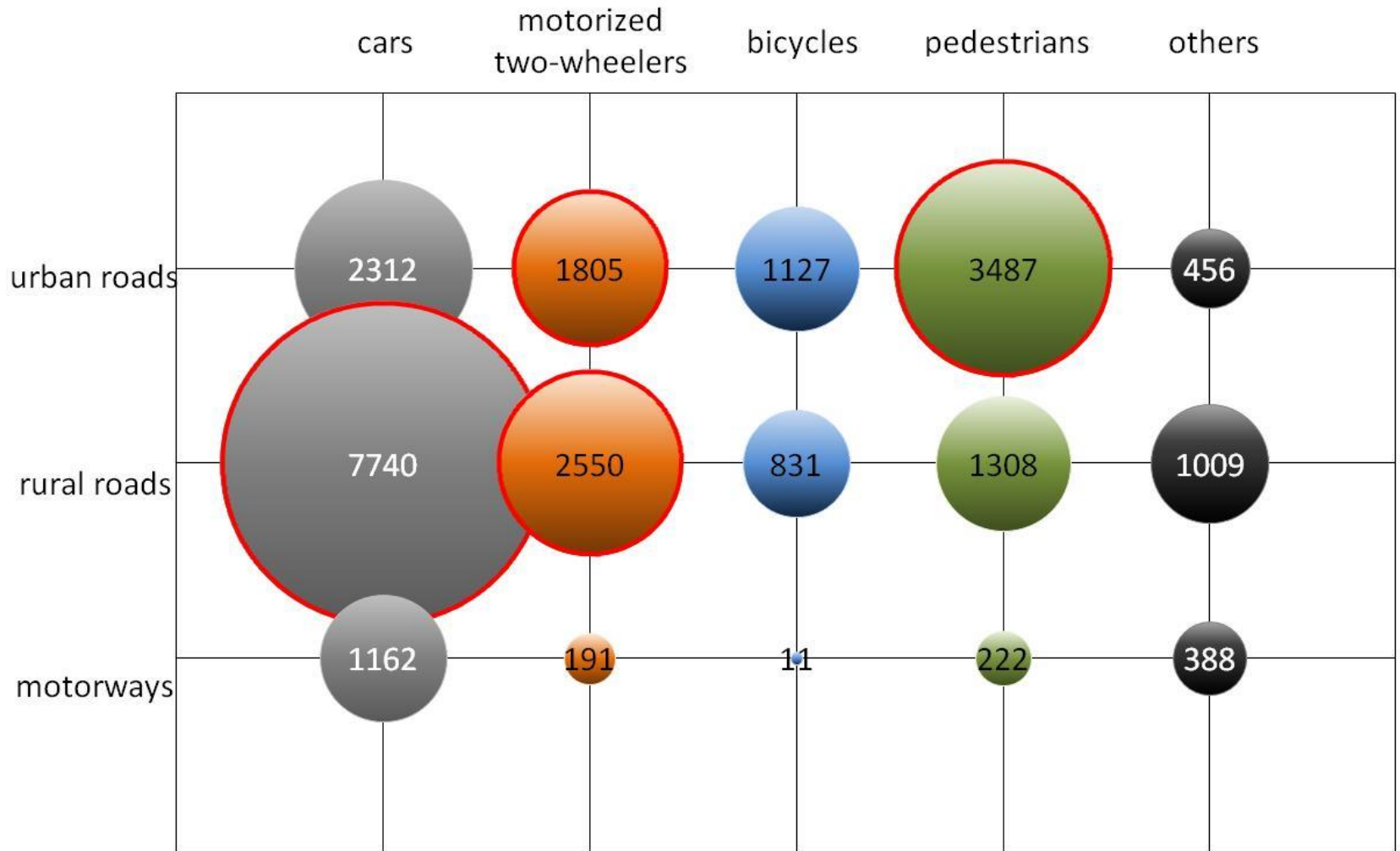


Implementation

Evidence based

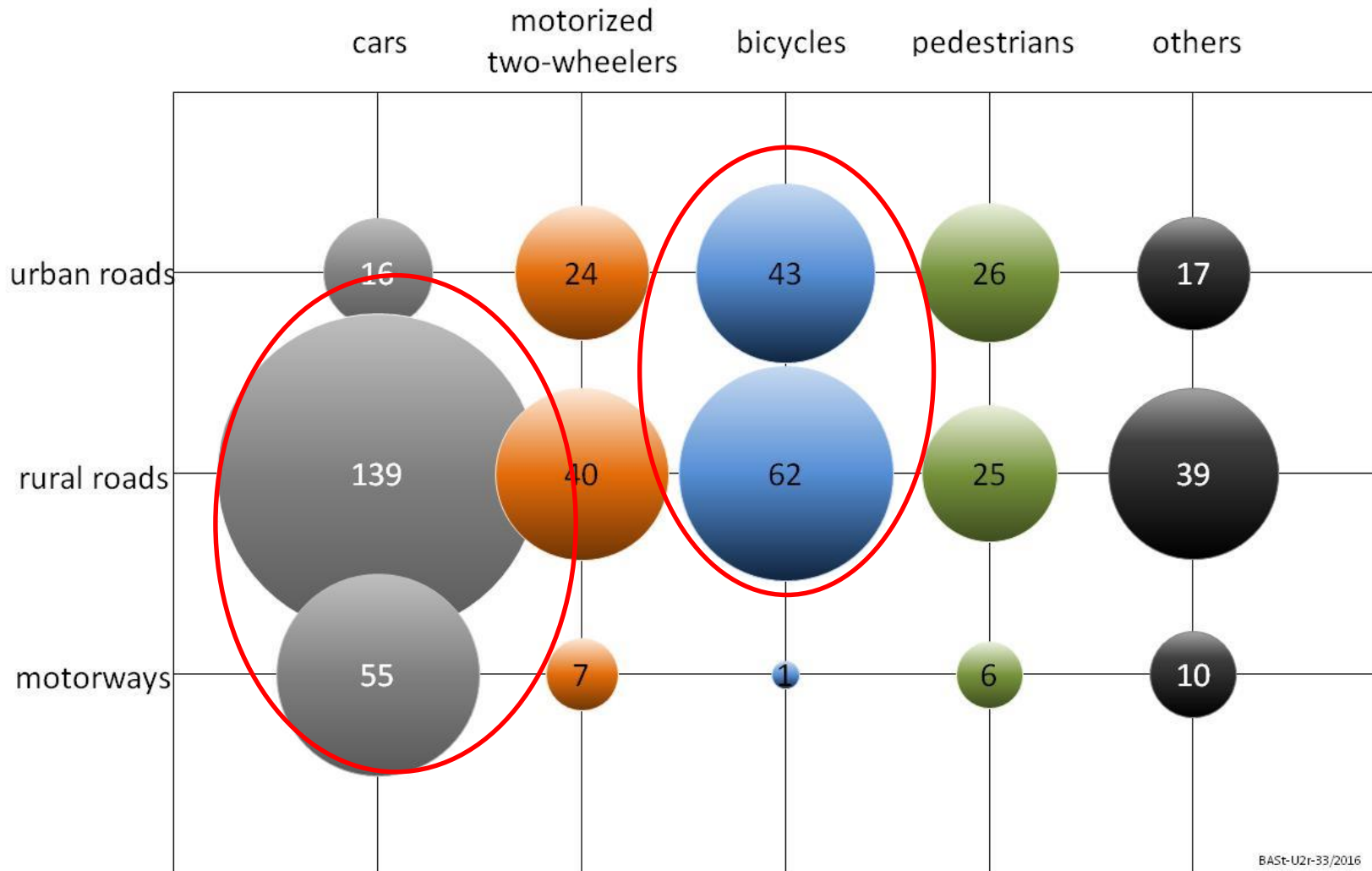
- accident data
- empirical results from studies
- Expert Knowledge

Road accident fatalities in Europe, 2015

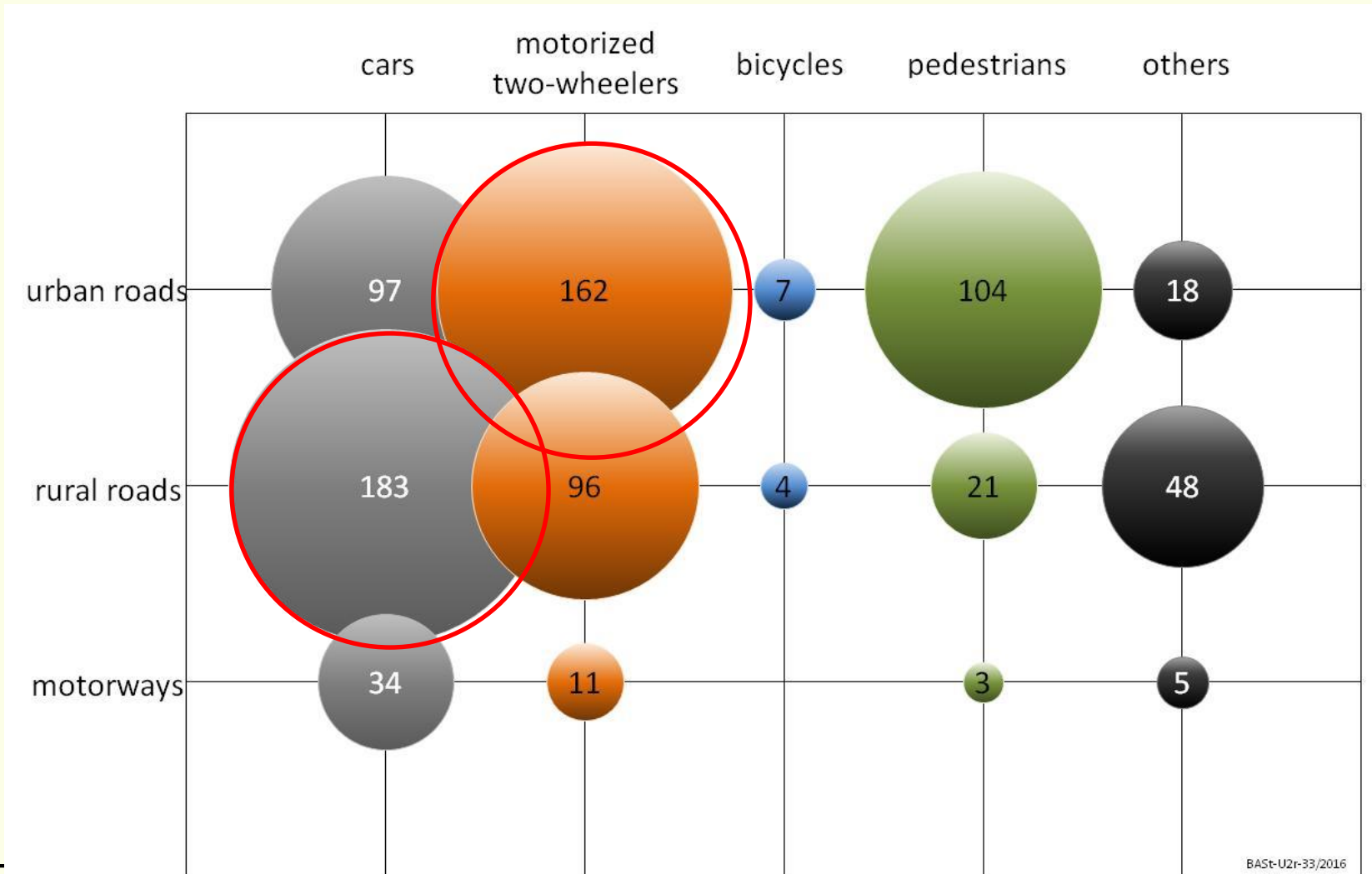


*EU 28; excluding Bulgaria, Estonia, Latvia, Lithuania, Malta, Slovakia

The Netherlands, 2015



Greece, 2015



BAST-U2r-33/2016

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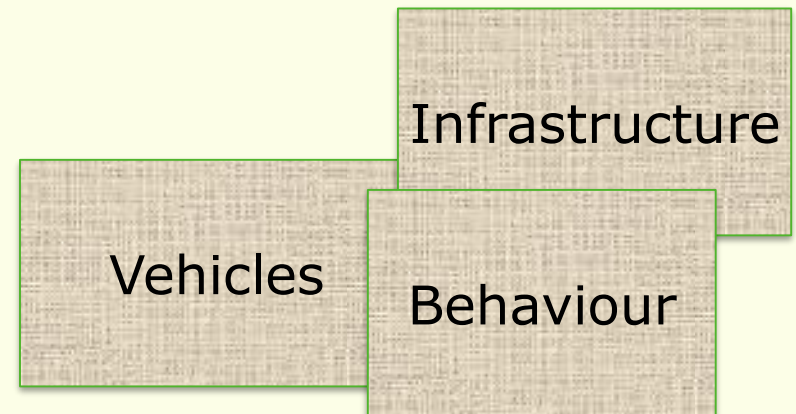


Selection of „best bundle“



Implementation

- Use existing experience and knowledge bases
- Develop own options



SafetyCube DSS



European Road Safety Decision Support System

[Search](#)

[Knowledge](#)

[Calculator](#)

[Methodology](#)

[Support](#)

The SafetyCube DSS is the European Road Safety Decision Support System, which has been produced within the European research project SafetyCube, funded within the Horizons 2020 Programme of the European Commission, aiming to support evidence-based policy making. The SafetyCube Decision Support System provides detailed interactive information on a large list of road accident risk factors and related road safety countermeasures. A Quick Guide on using the SafetyCube DSS, with instructions on how to browse the system, make a search and further refine the results, is available for download [here](#).



Select road user group: Powered two-wheelers

Road user group: Powered two-wheelers

Risk Factors			Measures			
Behavior	Infrastructure	Vehicle	Behavior	Infrastructure	Vehicle	Post Impact Care
Traffic Rule Violations	Shoulder and roadside deficiencies (risk of ran-off road or crash with obstacle)	Protective equipment design	Law and enforcement	Traffic signals treatments	Frontal impact	Not Applicable
		PTW / ATV			Longitudinal	
	Horizontal/vertical alignment deficiencies		Driver training and licensing			
	At-grade junctions deficiencies		Education and voluntary trainings/programs			
	Interchange deficiencies					
	Traffic flow					
	Poor junction readability					
	Adverse weather					

Keyword

PTW 


Specific Measure

- Speeding
- Drunk driving/riding
- Drugged driving/riding (illegal)
- Aggressive and unsafe driving/riding
- Fatigue, professional drivers
- Distraction
- Seat belt
- Child restraint
- Protective clothing (excluding helmet)
- Helmet, cyclists
- Helmet, PTW**
- Red light running
- No specific risk factor targeted

Search Results

The following information on "" fulfill your search criteria. Refine your search, view the SafetyCube Synopses, choose a study to obtain more detailed information, or go to the respective Road Safety Measures.

RELATED RISK FACTORS

 Select a specific measure from the filter on the left, to obtain results on related risk factors

Number of studies: 1

ID	Title	Source	Year	Design	Countries
1064	Helmets for motorcyclists, mopetists and ATV	THE HANDBOOK OF ROAD SAFETY MEASURES, NORWEGIAN (ONLINE) VERSION.	2016	META-ANALYSIS (RANDOM EFFECTS)	Various

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Implementation

- Use existing experience and knowledge bases
- Develop own results
- Infrastructure, Vehicles, Behaviour



Effective and Efficient

Costs

- Implementation
- Operating
- Environment
- ...



Benefits

- Accidents
- Casualties
- Environment
- ...



Embedded in legal framework

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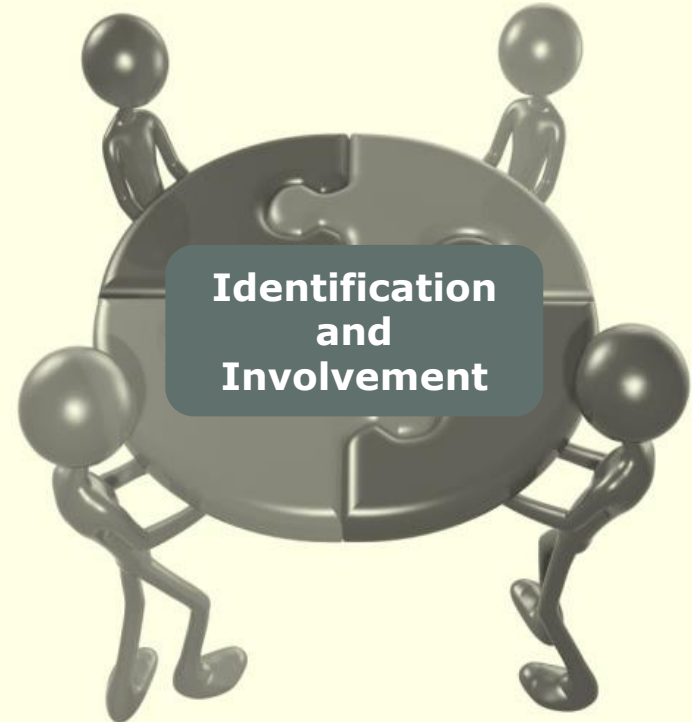


Selection of „best bundle“

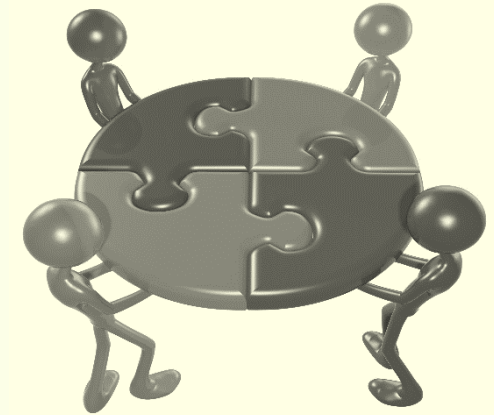


Implementation

Implementation Network



Implementation Network



Obligatory helmet use for PTW

- Political key decision makers (federal / regional)
- Road safety associations
- Police bodies



Thank you very much for your attention!