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2008**

„RS measures selection and the first results of rs actions on the national road no 8””



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Methodology for the spots selection to modernization

- Familiarization of rs and traffic volume data, information on planned actions by GDDKiA on given road, maps, projects
- Rs inspection – by car, comments, video from inspection, photos
- Initial selection of spots on the basis of the inspection documentation
- Sending the initial list of spots with proposed actions to individual Divisions
- Verification in Divisions and giving costs of undertaken actions with the period of implementation underlining the current year
- Final list acceptance by GDDKiA representatives and research unit

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Classification criterion for road sections according to risk indicator (RI)

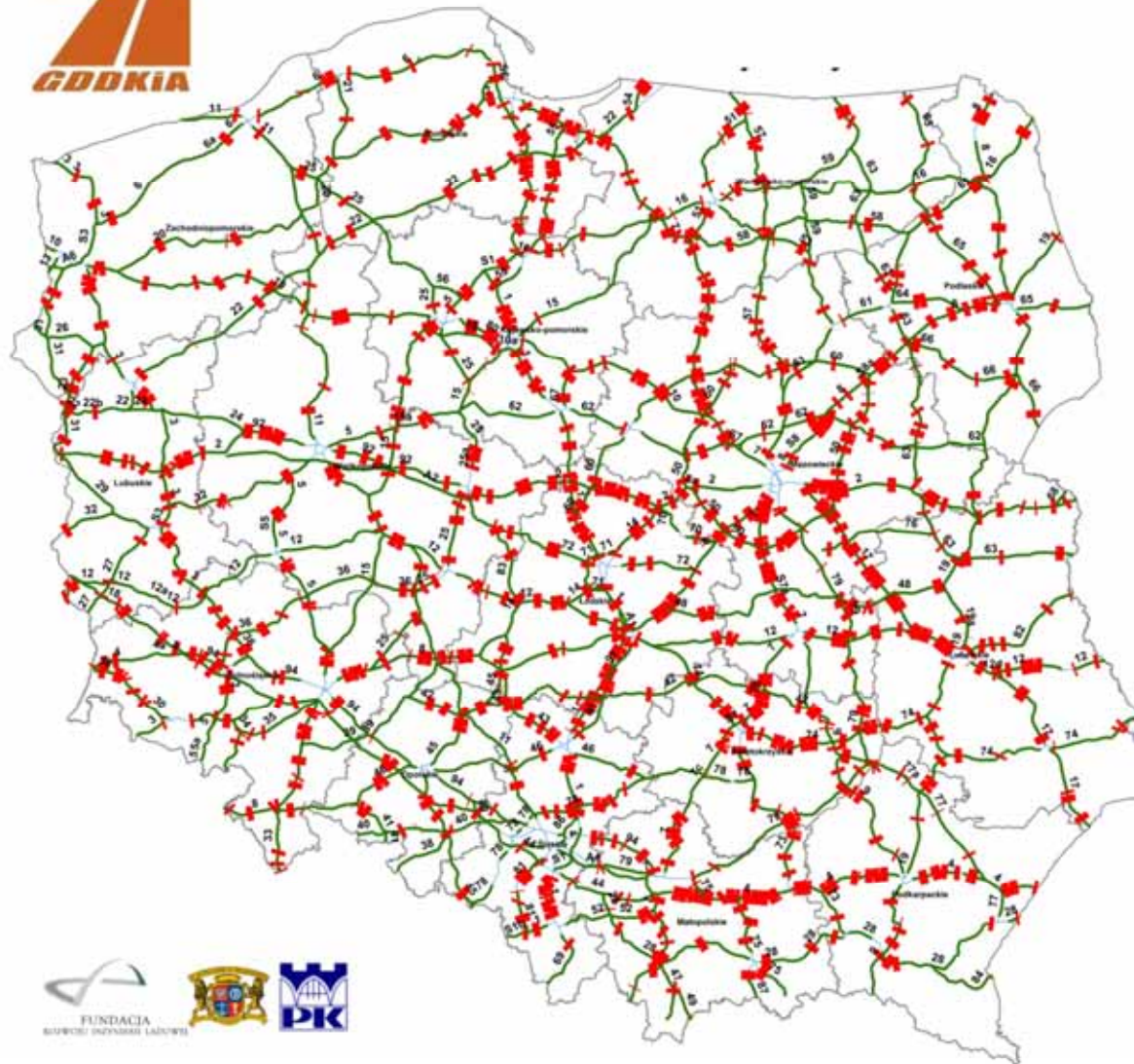
Risk class	Threat level	Classification RI
<i>A</i>	Very low	0-5
<i>B</i>	Low	6-10
<i>C</i>	Medium	11-15
<i>D</i>	High	16-20
<i>E</i>	Very high	> 20

RI = Function of (fatalities density, fatalities concentration, density of accidents costs, concentration of accident costs)

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Dangerous sections – national roads



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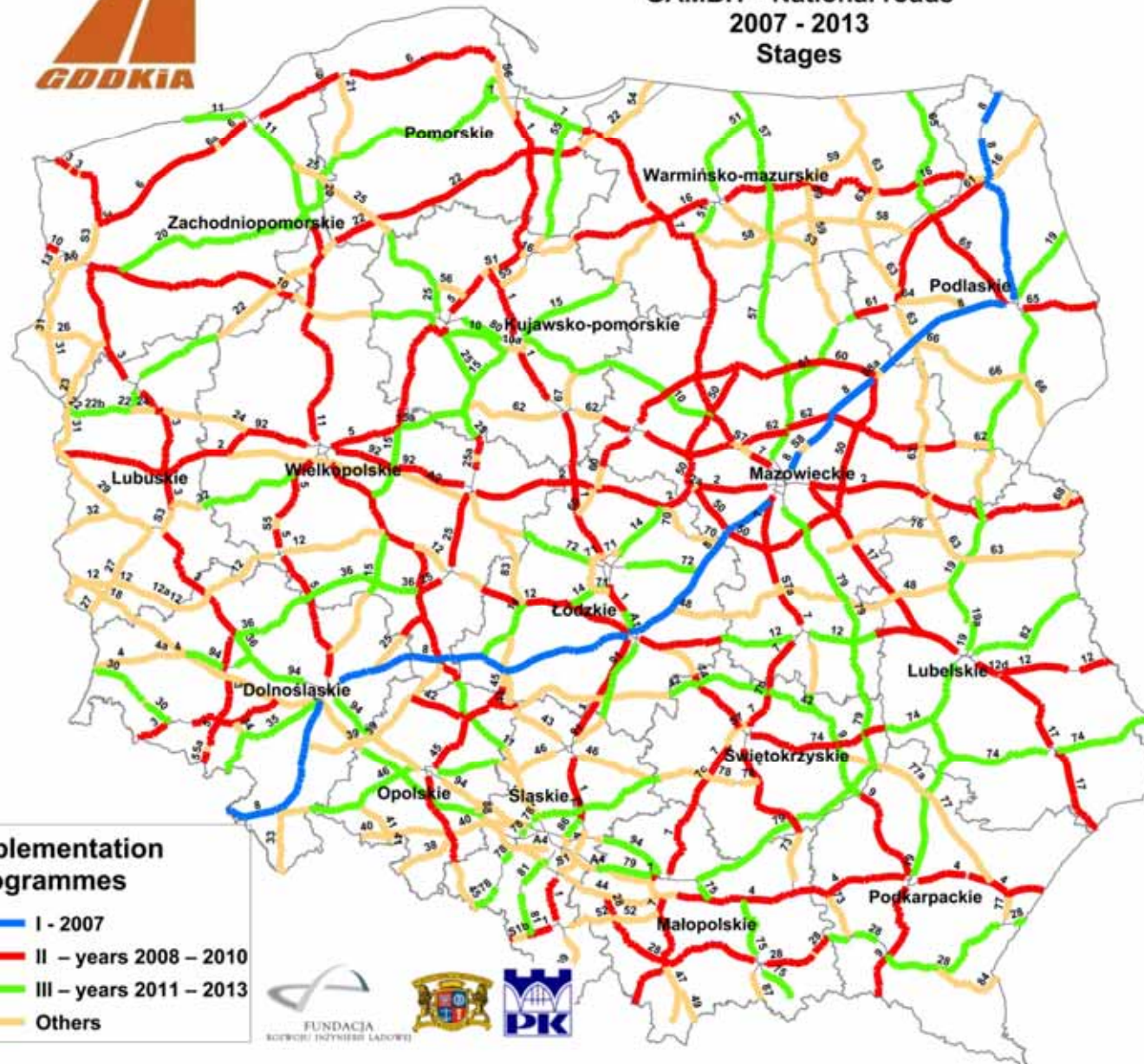
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- Length - 20 %
- Fatalities – 52 %
- Possible reduction - 500 fatalities / year

Stages



GAMBIT - National roads
2007 - 2013
Stages



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Threat levels for NR8

NR8		Length	Fatalities number
		km	number/year
Whole road		735	153
Threat level	Very high	99,0	47
	High	145,9	46
	Medium	223,3	41
	Total	468,2	134
	Share %	63,7	87,8

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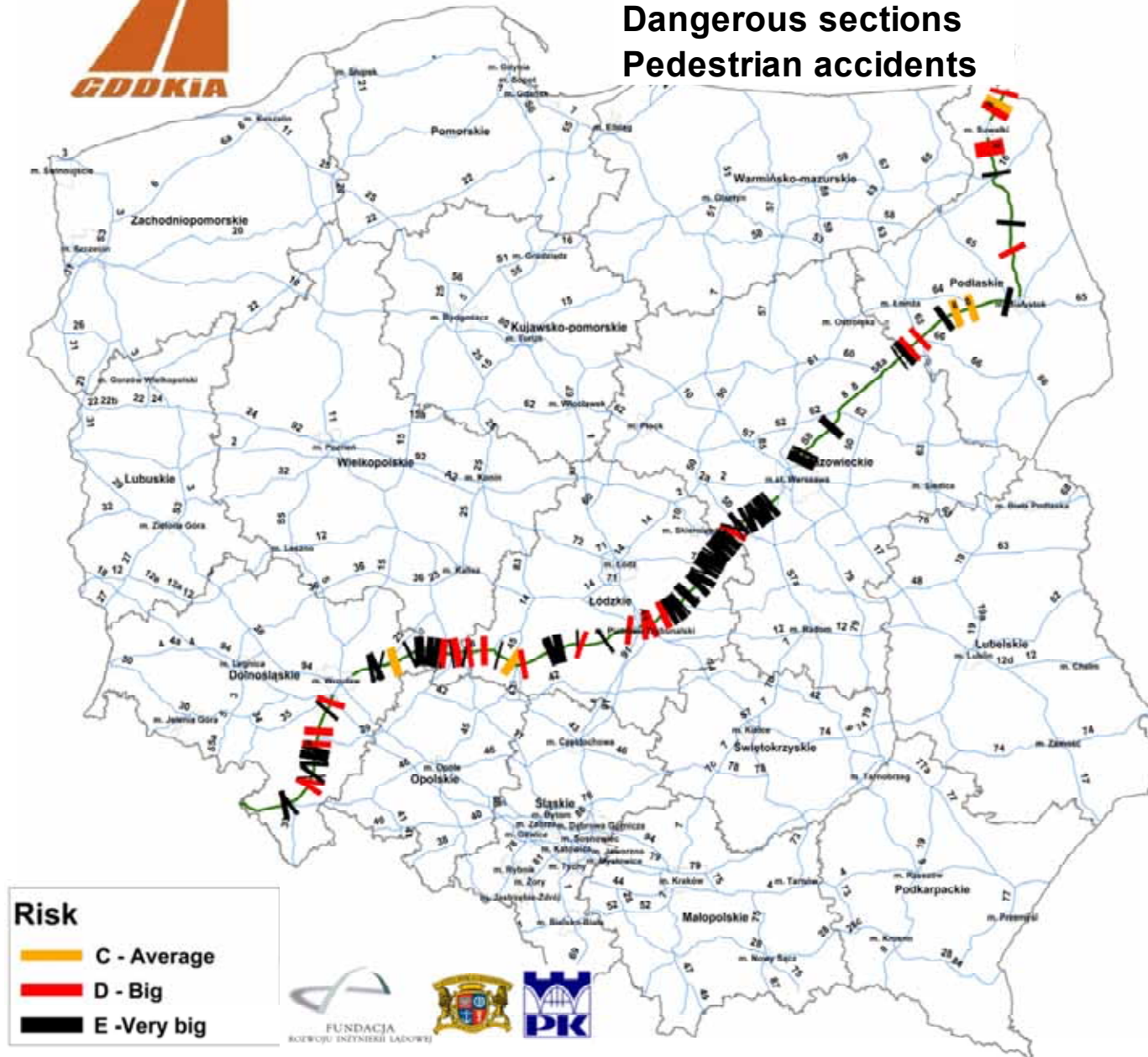
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National road no 8 Dangerous sections Pedestrian accidents



180 km of sections with 28 fatalities/year



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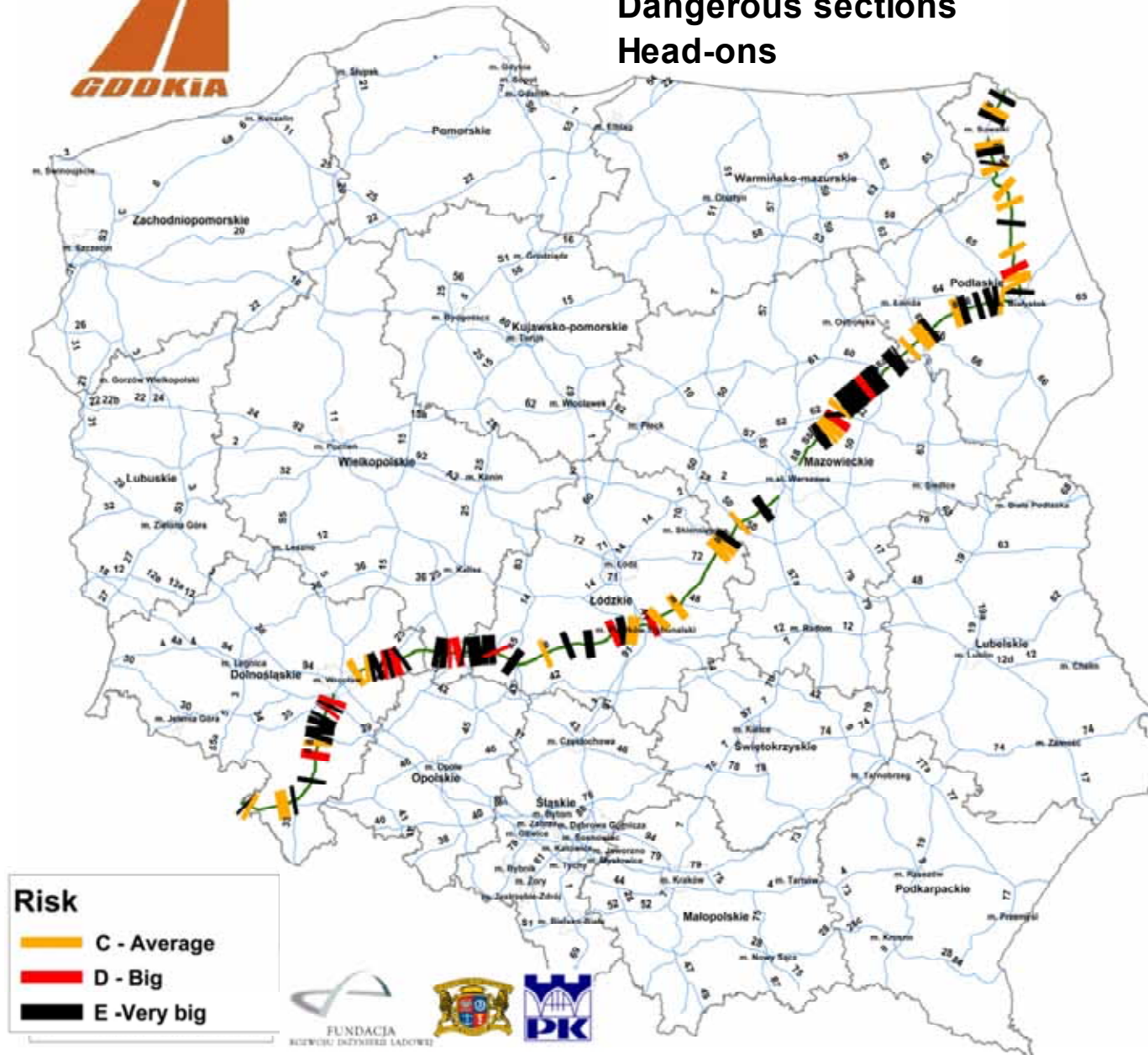
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National road no 8 Dangerous sections Head-ons



187 km of sections with 35 fatalities/year



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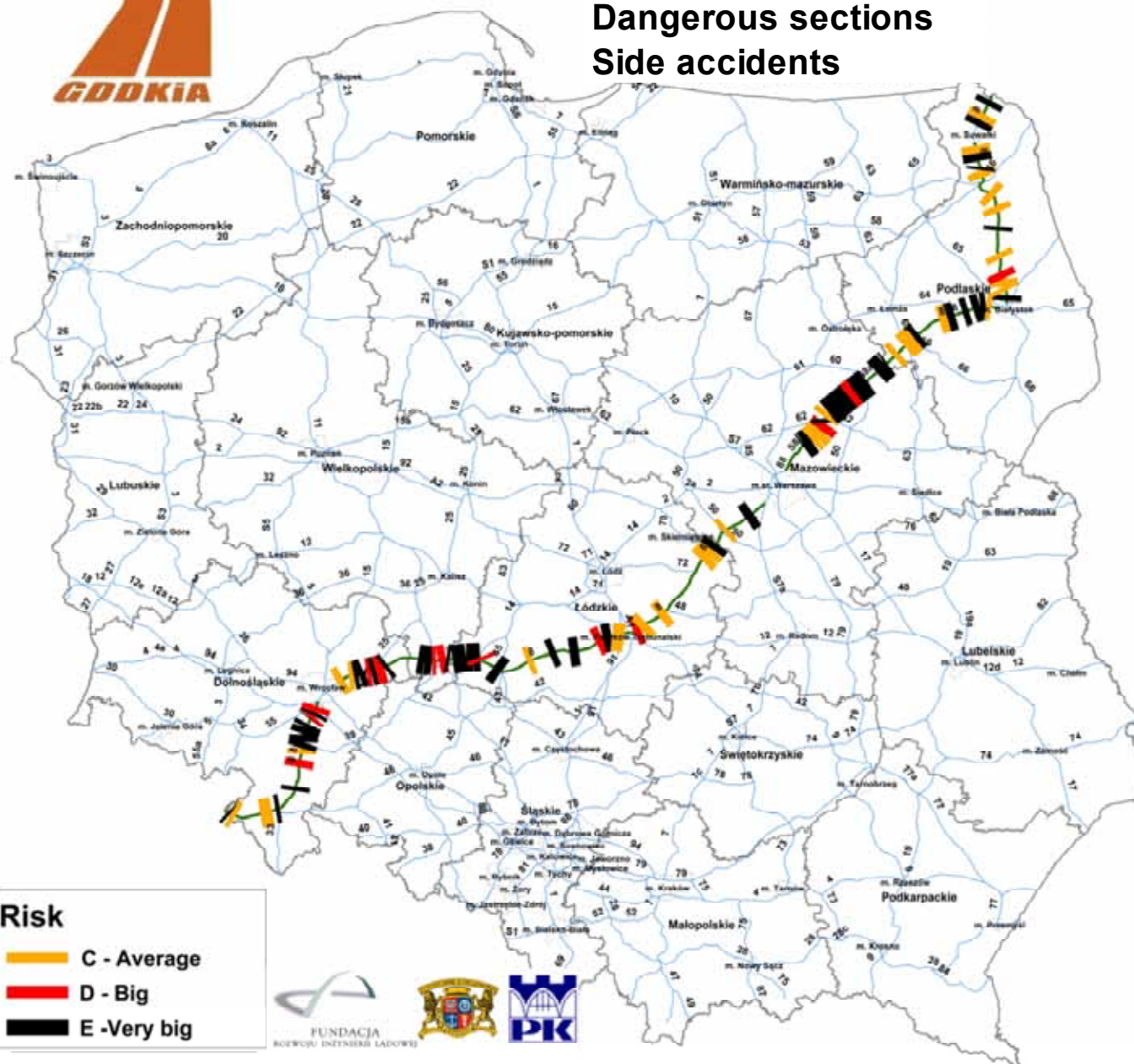
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National road no 8 Dangerous sections Side accidents



185 km of sections with 25 fatalities/year



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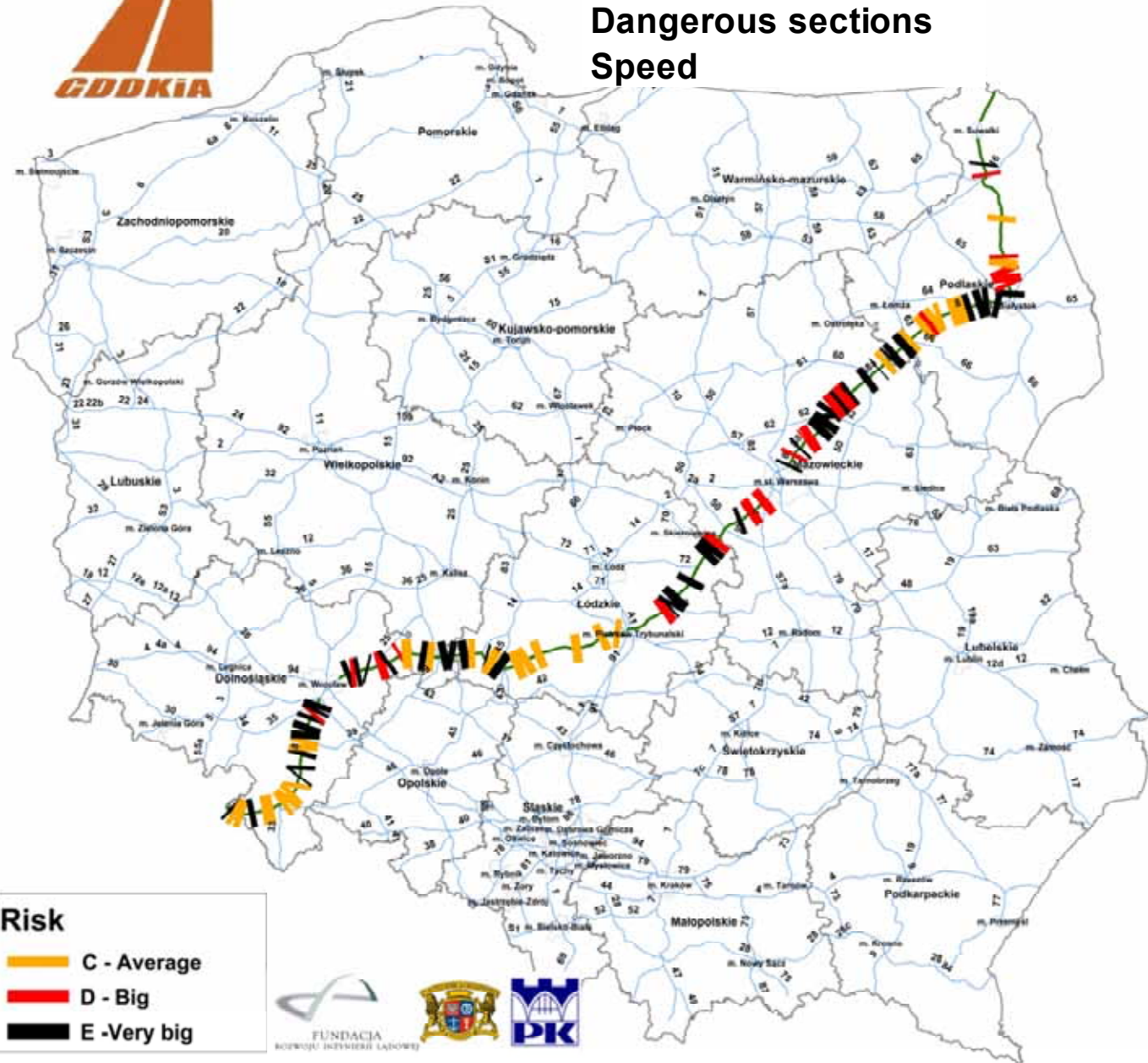
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National road no 8 Dangerous sections Speed



161 km of sections with 26 fatalities/year



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Measures selection

- Sections D and E (high and very high level)
- Maximization of fatalities number reduction – max PRLZ
- Mineralization of unit expenditures on fatality saving - min JKRLZ
- Where:
 - $JKRLZ = KD/PRLZ$ [PLN/saved victim]
 - KD – predicted expenditures for actions
 - PRLZ – potential number of saved persons

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Conditionings for measures selection

- Available financial means
- Existing documentation
- Financial means for documentation for successive years of programme realization
- Planned complex reconstructions – np. for express road

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Examples of used measures





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Examples of used measures





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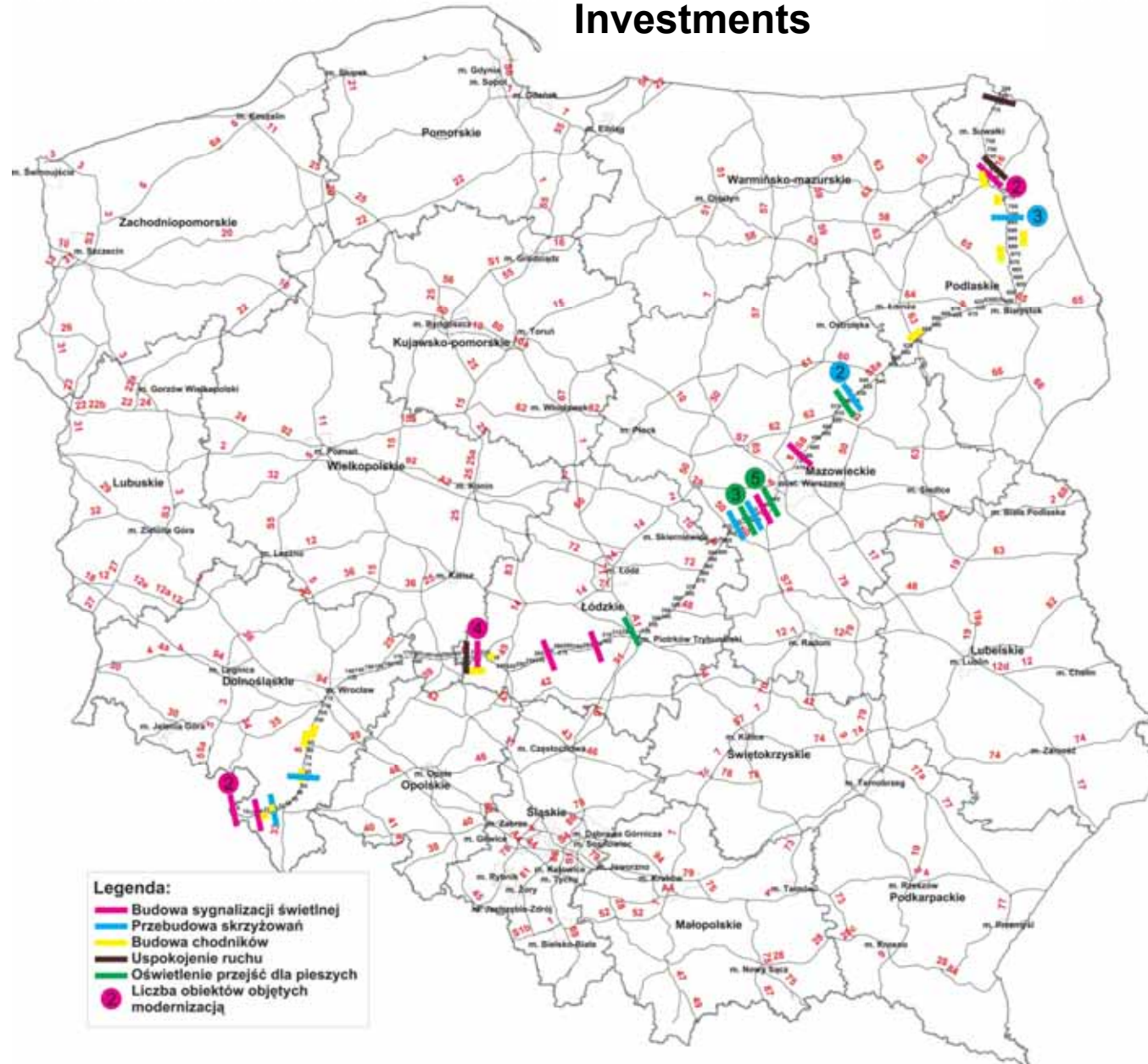
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Firs implementation of projects for rs improvement on NR8

Investments





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Thank you for attention!

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