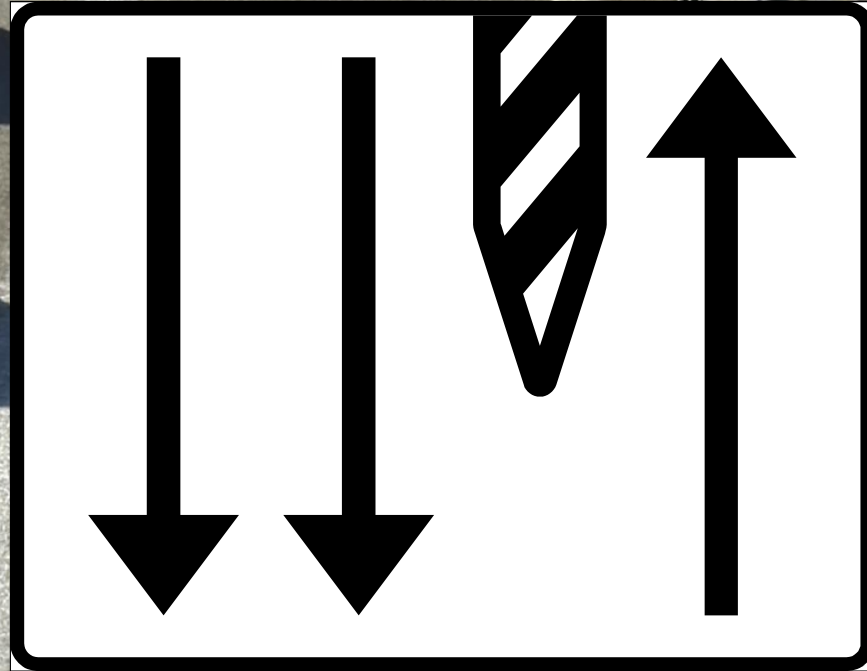


# VISION ZERO

ACADEMY

STRIVING  
FOR EXCELLENCE IN  
TRANSPORT  
SAFETY



2+1 roads

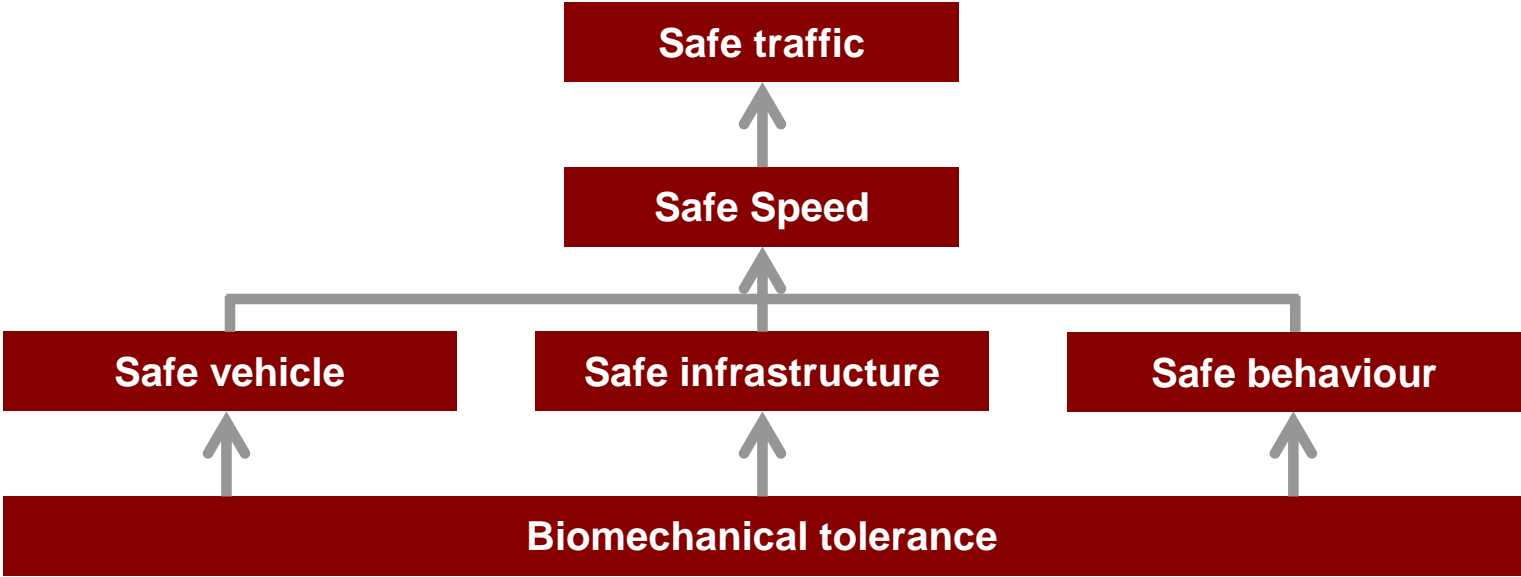
2+1 roads

Road design, traffic environment

*Dr. Lars Ekman*

*Lars.Ekman@GYVIK.SE*





# Division of Responsibilities/ Boundary Conditions

Contribution  
passive  
safety

Contribution  
active  
safety

80



Head-on

60

20

40

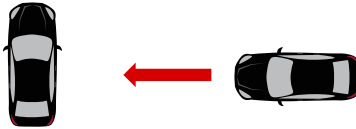


Pedestrians

10

30

70



Side

55

15



40



Rear-end



20



20

110



Large animals

80

30



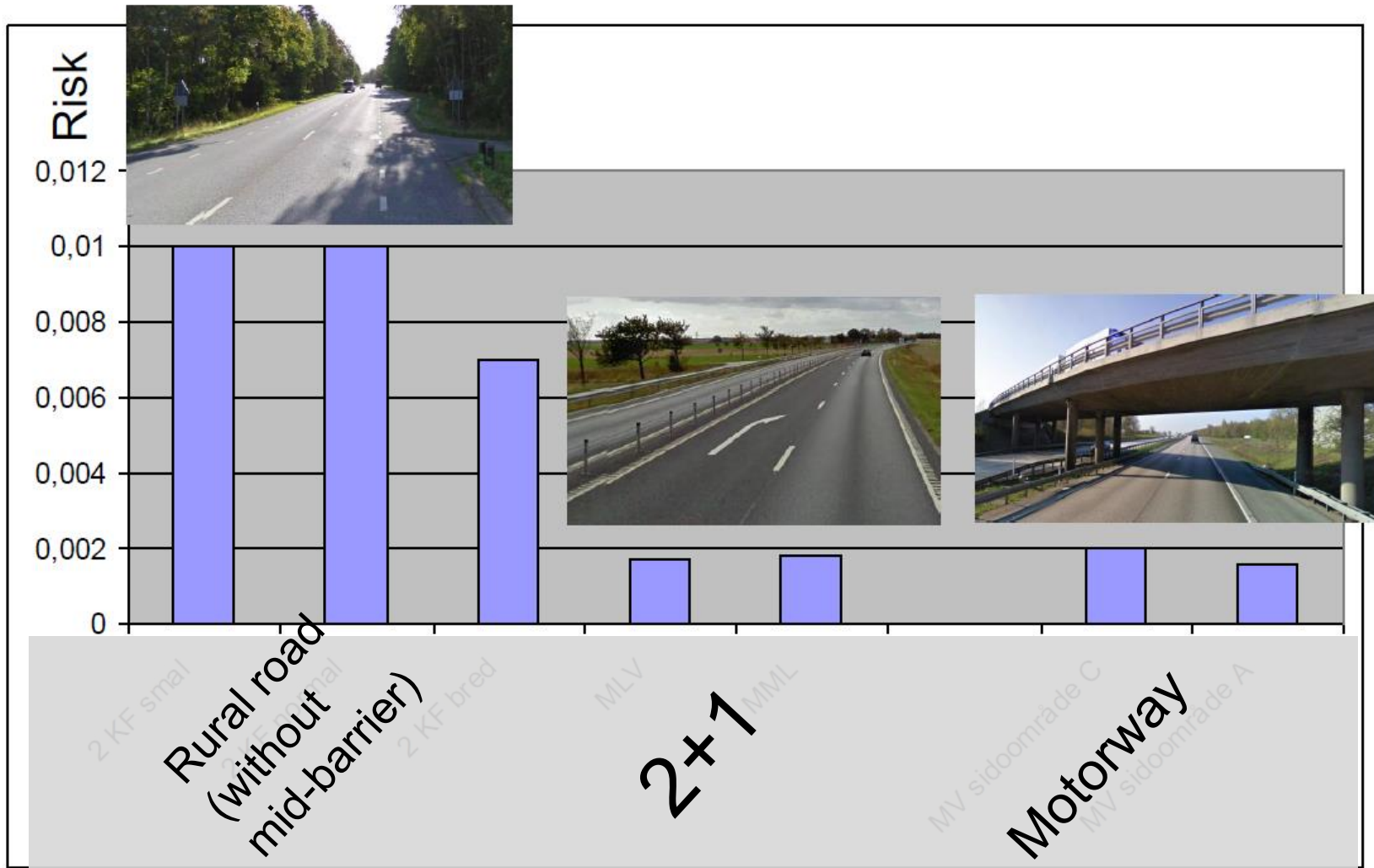




2009-05-11 @ VTI, Sweden







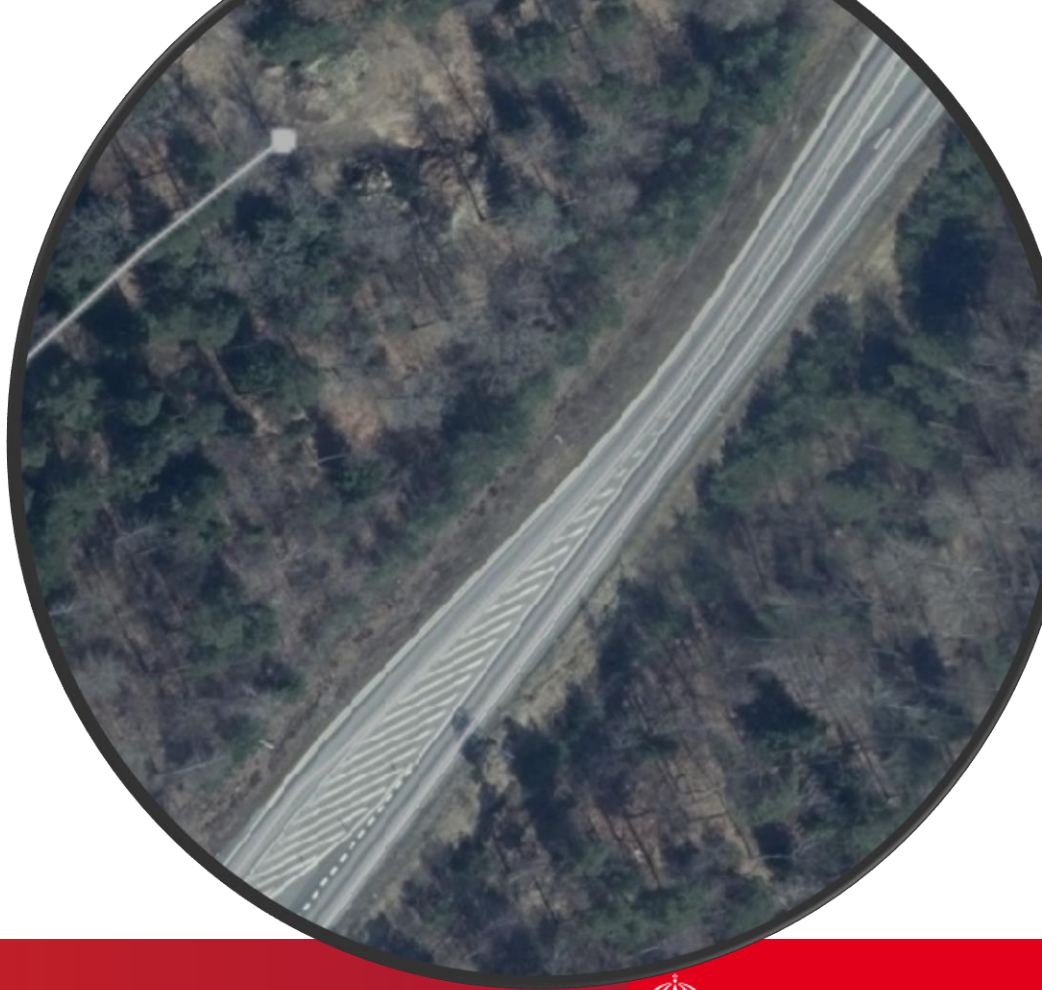






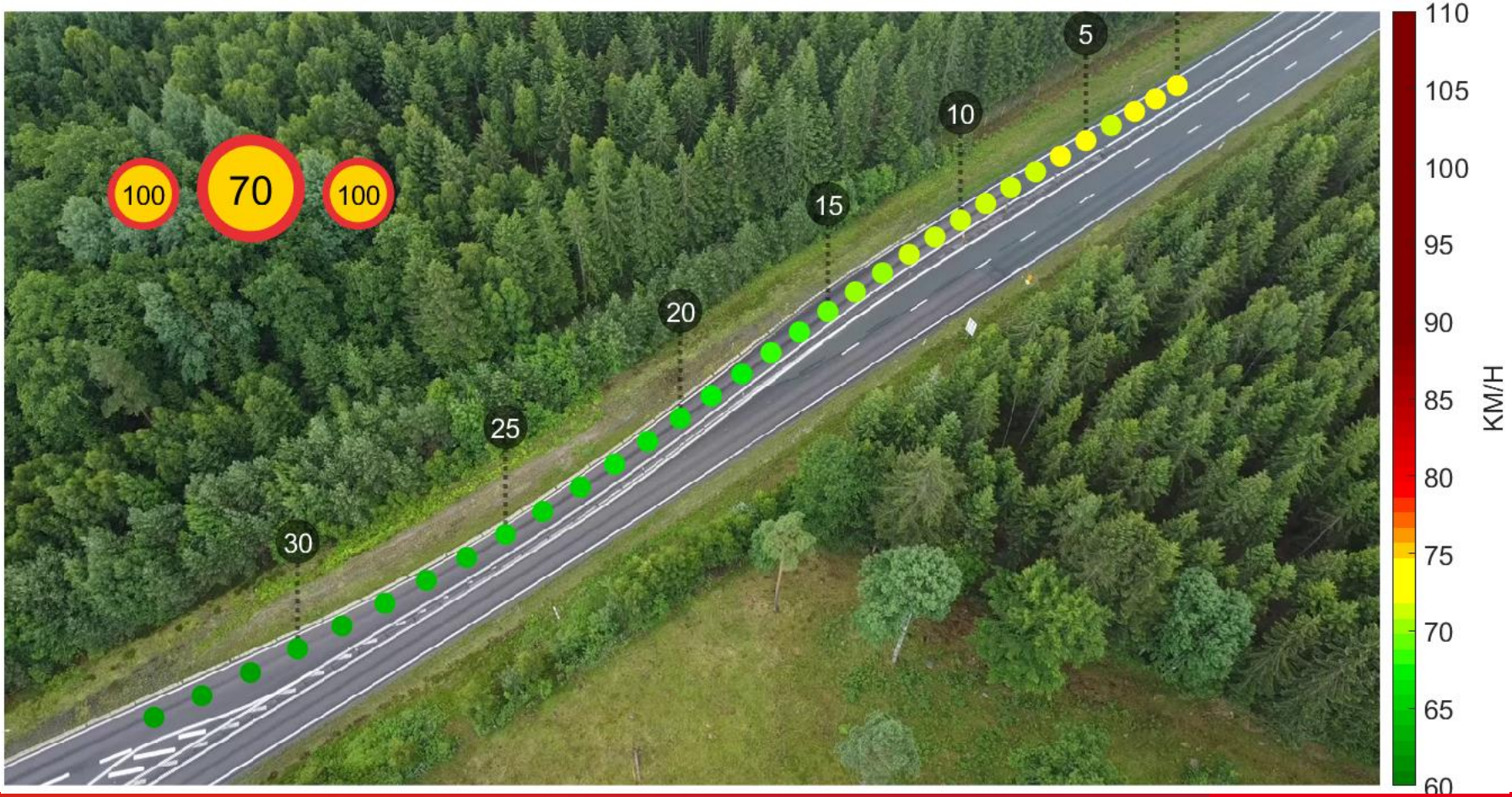












## Safe roads, national road network



	Starting point 2020	2022	Necessary level 2030	Assessed progress towards necessary level
Share of traffic volume on roads with median barriers, national road network and speed limits 90-120 km/h	85 %	86 %	96 %	Not on track

# Maintenance!



Dr Lars Ekman

Lars.Ekman@gyvik.se

[visionzeroacademy@trafikverket.se](mailto:visionzeroacademy@trafikverket.se)



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TOGETHER WE  
SAVE LIVES

*Thanks*

