

How safe are new cars sold in the EU?

An Analysis of the market penetration of Euro NCAP-rated cars

PIN Flash report 30

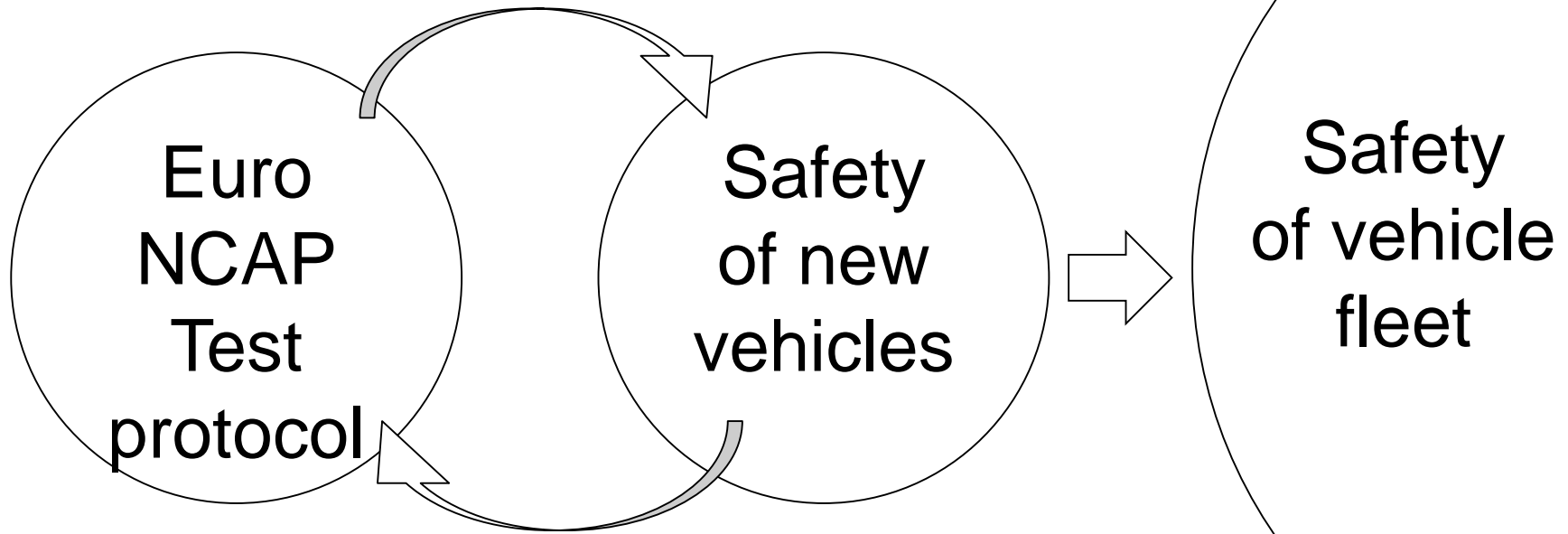
Henk Stipdonk

Co-chair ETSC PIN Steering Committee

Euro NCAP tests



Method




- Significant changes to Euro NCAP's test protocol in 2009 and 2014
 - To compare like with like, only the 148 models tested between 2010-2013 were used in our analysis.

Data

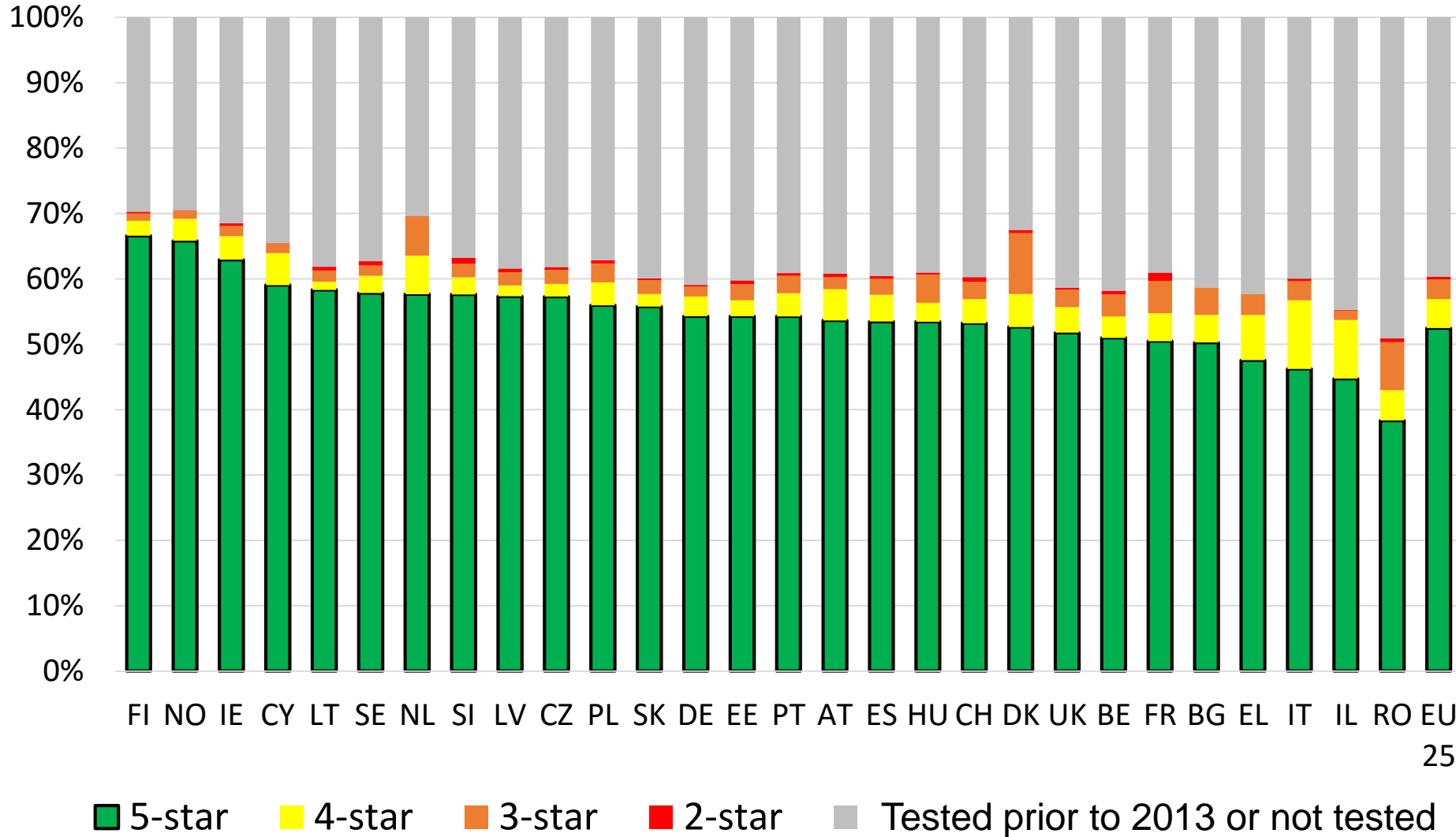
- Number of new cars sold in 2013
Models and countries

Data source: **Fundación MAPFRE**

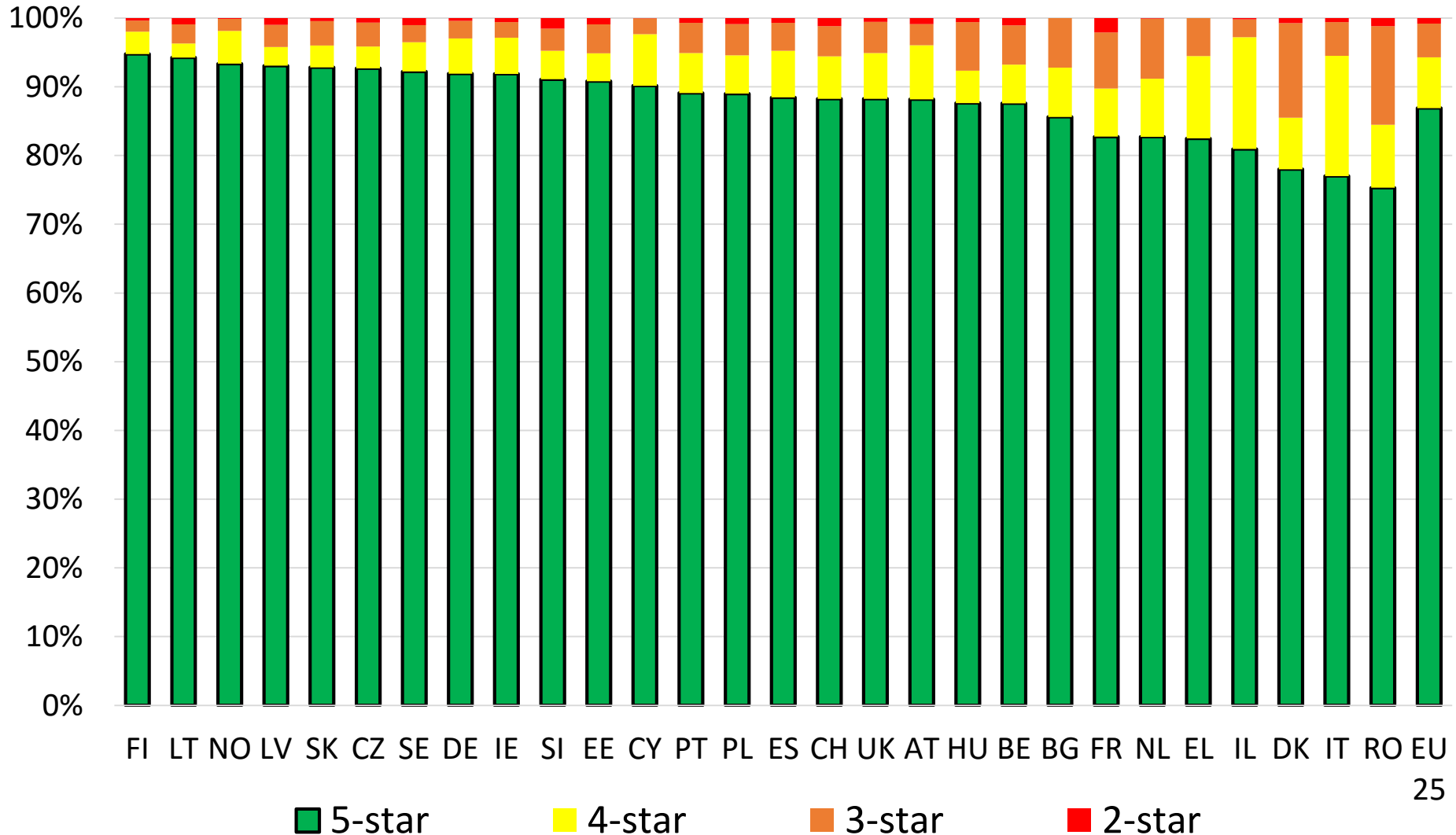
- Euro NCAP crash test results and star ratings
(models tested between 2010 and 2013)

Data source:  **EURO NCAP**

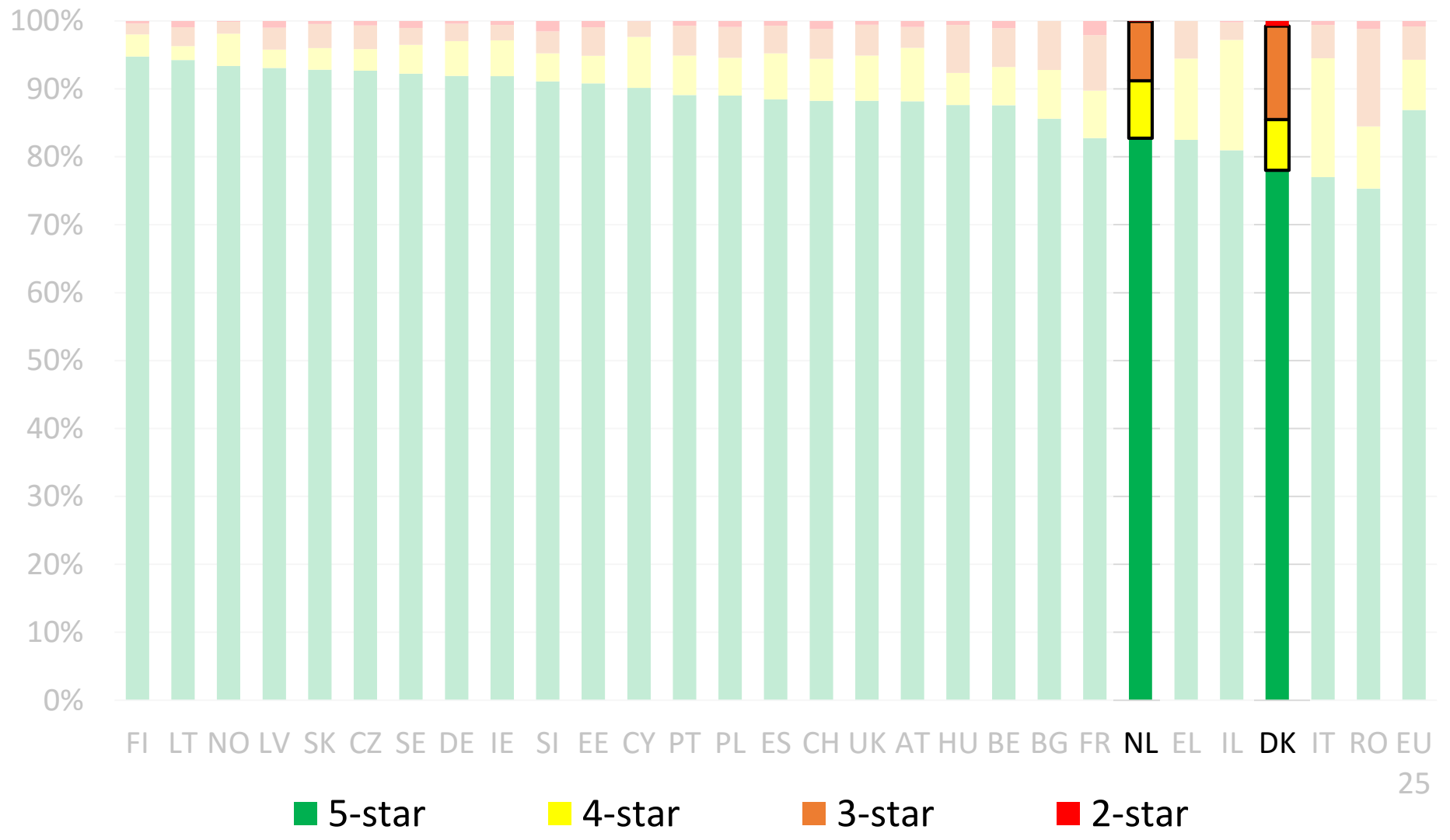
Euro NCAP star ratings in new vehicle sales by country



95% of tested cars sold in Finland were 5 stars, 75% in Romania and only 77% in Italy



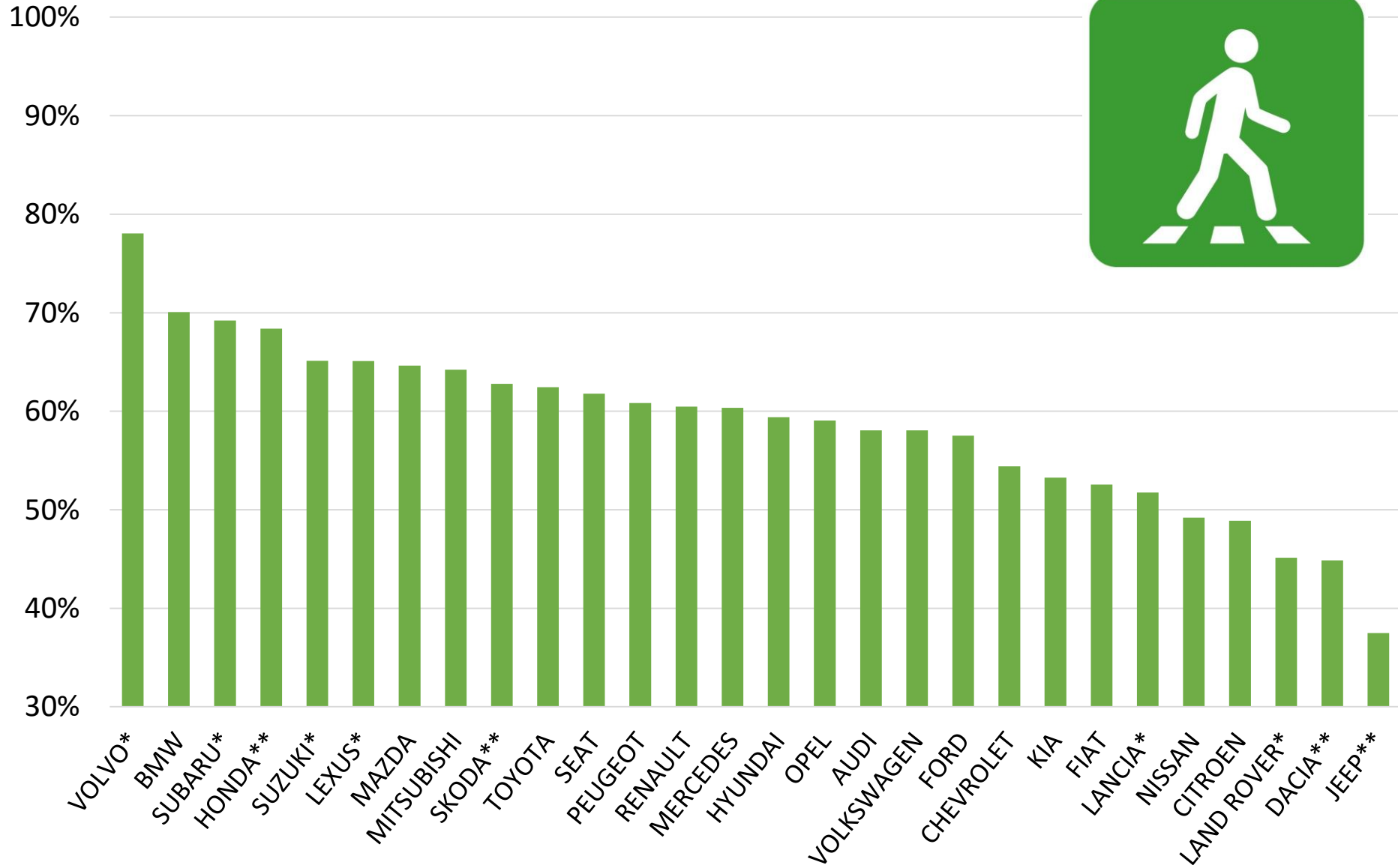
NL and DK: green tax shift didn't take account of safety



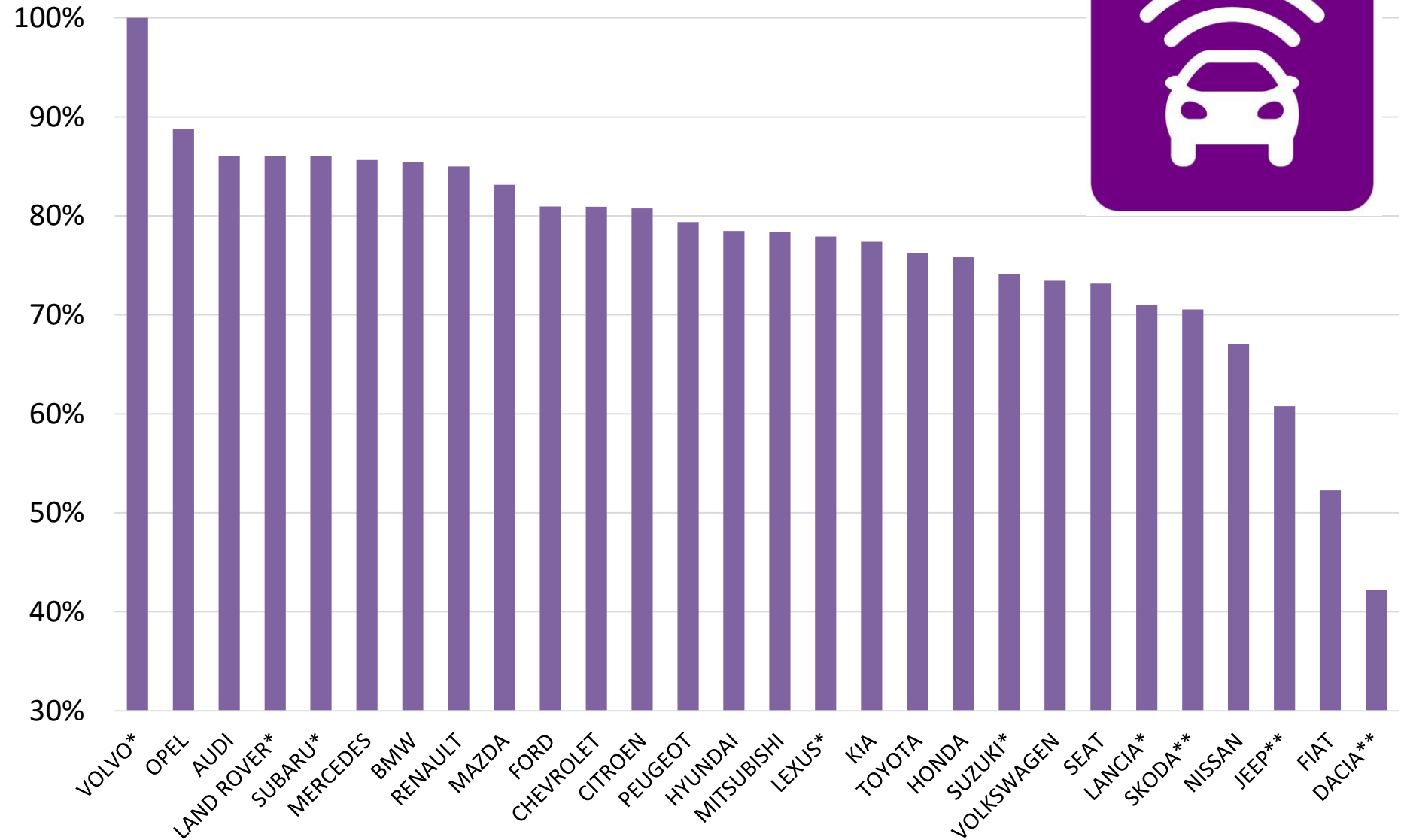
Low emissions cars can be safe...



Average score - pedestrian protection



Average score - safety assist



Some recommendations to EU countries

- 'Be the market' for safety: buy, lease or rent only 5-star cars

→ e.g. Finland, Sweden



- Include strict criteria for safety (5-star Euro NCAP) to green car tax schemes.

Some recommendations to EU countries



- Include information on fitted in-vehicle safety technologies in collisions reports.
 - Assess the effectiveness of safety technologies in real world.

Some recommendations to the EU

Fit #SafetyAsStandard

- Intelligent Speed Assistance system: overridable, assisting and switched on by default
- Autonomous Emergency Braking (AEB)
- Event Data Recorders (and require the data to be made available for accident investigation)

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