

TREMOVE baseline details

Focus on changes v2.44 -> v2.50

Extension Countries

Extension to 2030

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Overview

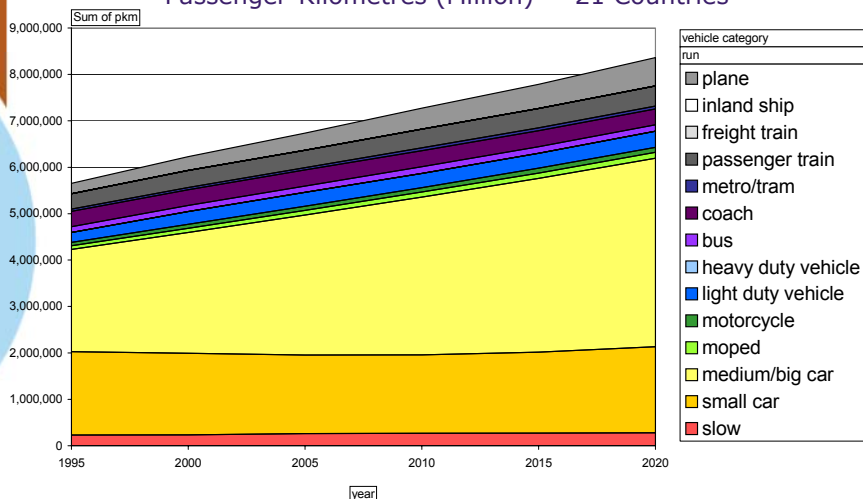
1. 1995-2020 – 21 countries
 - Limited changes ~ v2.44
2. Extension with 10 Countries
3. Extension from 2020 to 2030

21 up to 2020 : Demand

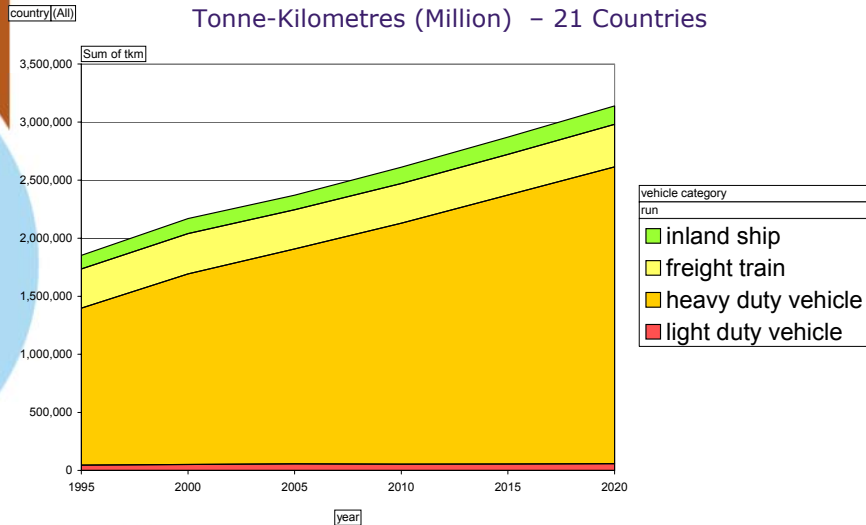
- SCENES Partial A scenario (ASSESS)
- Except heavy duty trucks : Partial B
 - In line with PRIMES scenarios (NEC)
 - Only charges on motorways / less 'social' measures
 - Higher road freight tkm growth than partial A
- SCENES baseyear data has been improved with national data for :
 - Germany
 - France
 - Spain
 - Belgium
 - United Kingdom
- No changes in volumes between v2.50 and v2.44, but :
 - changes in disaggregation (demand tree structure)

21 up to 2020 : Demand

Passenger-Kilometres (Million) – 21 Countries



21 up to 2020 : Demand

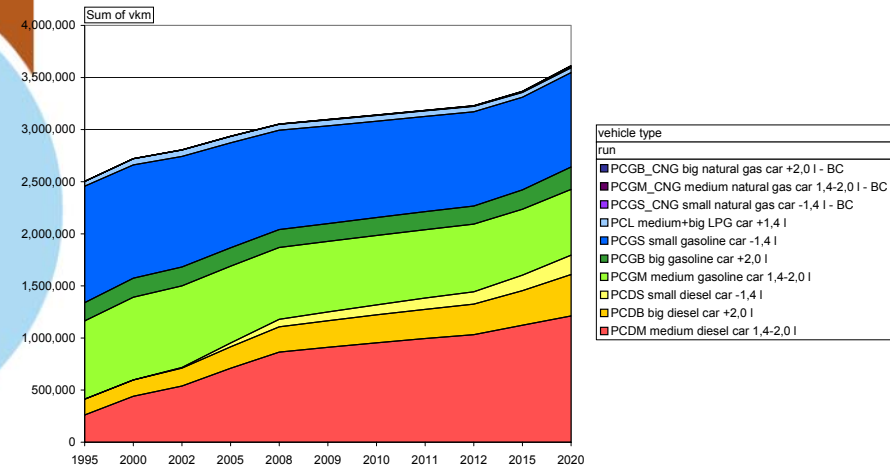


21 up to 2020 : Fleet

- Datayears and forecast
 - (morning presentation)
- No significant changes in v2.50 ~ overall totals, but :
 - Changes in disaggregation (VAN/LDT, BUS & COACH)
 - Changes in VAN and LDT purchase choice modelling
 - Changes in car purchase choice modelling
 - Small and large cars
 - New approach for CNG cars
 - Hydrogen (long term : 2030)

21 up to 2020 : Fleet

country{(All)}vehicle category{(All)} Vehicle-Kilometres (Million) – 21 Countries

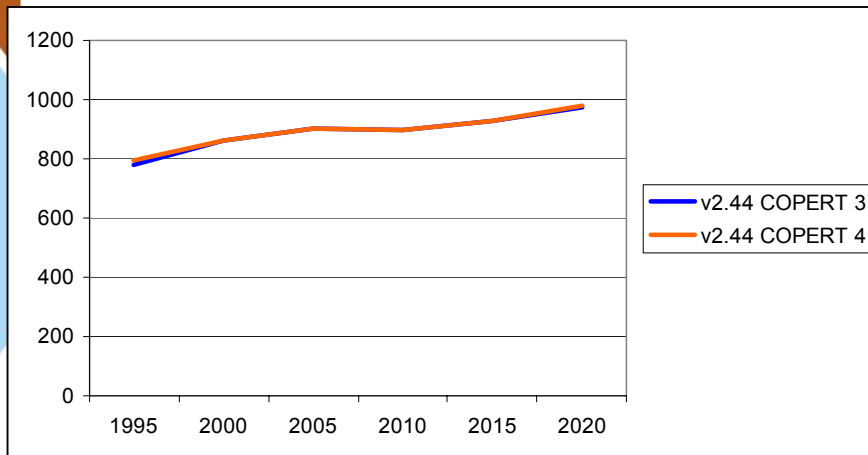


21 up to 2020 : Emissions

- v2.44 includes Copert 4
- Additions CO2 & Cars
- Addition in v2.50 baseline : Euro 5/6

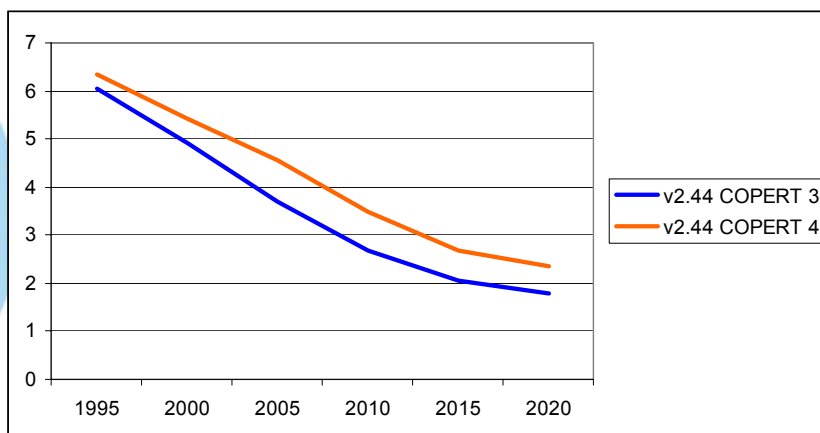
21 up to 2020 : Emissions

Road vehicle exhaust CO₂ – Million tonnes - 21 Countries



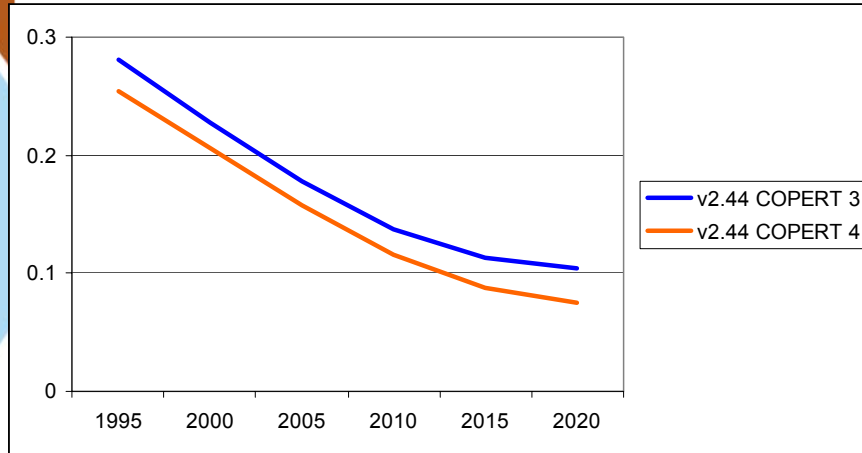
21 up to 2020 : Emissions

Road vehicle exhaust NO_x – Million tonnes - 21 Countries

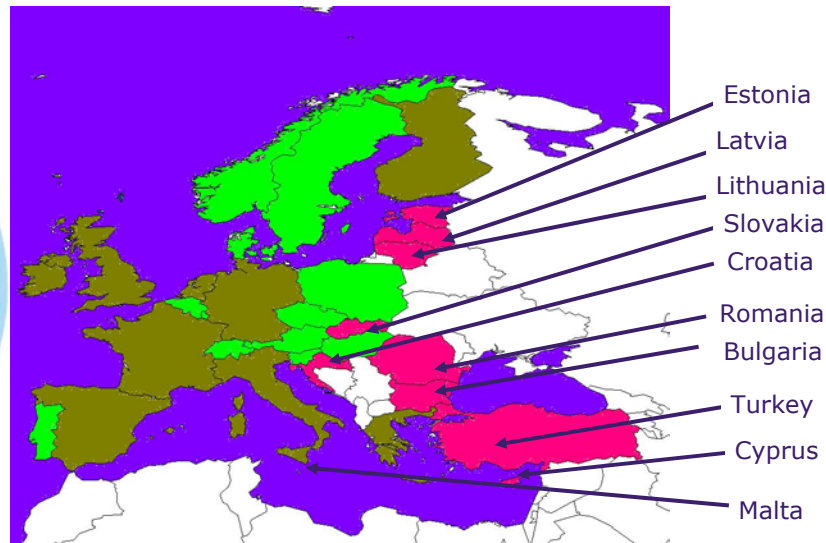


21 up to 2020 : Emissions

Road vehicle exhaust PM – Million tonnes - 21 Countries

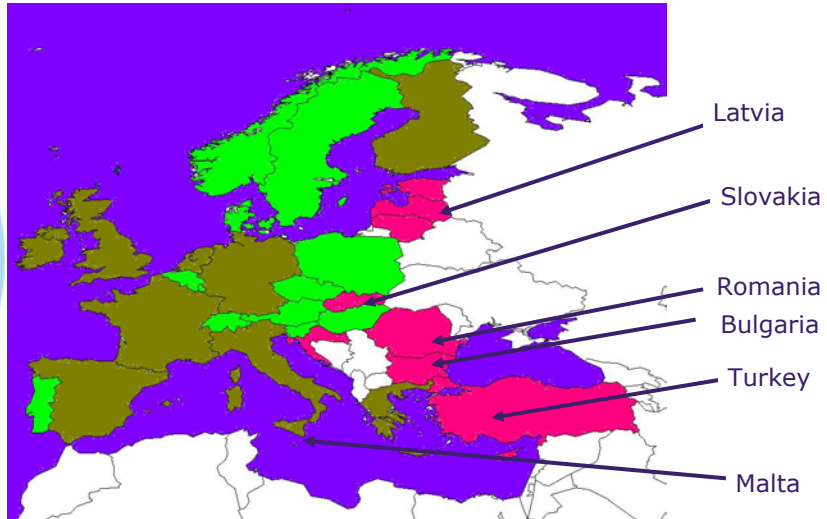


Extension 10 countries



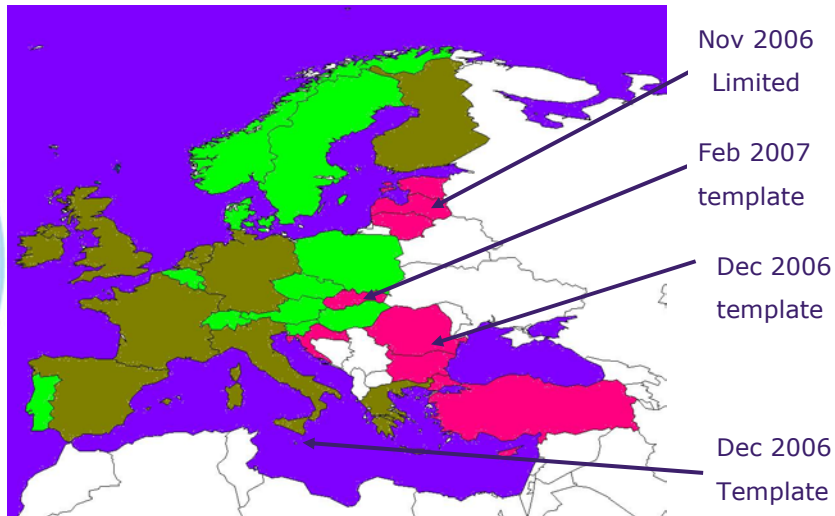
Extension 10 countries

Country representatives appointed by DG ENV on 22/11/2006



Extension 10 countries

Country representatives data provision



Extension 10 countries

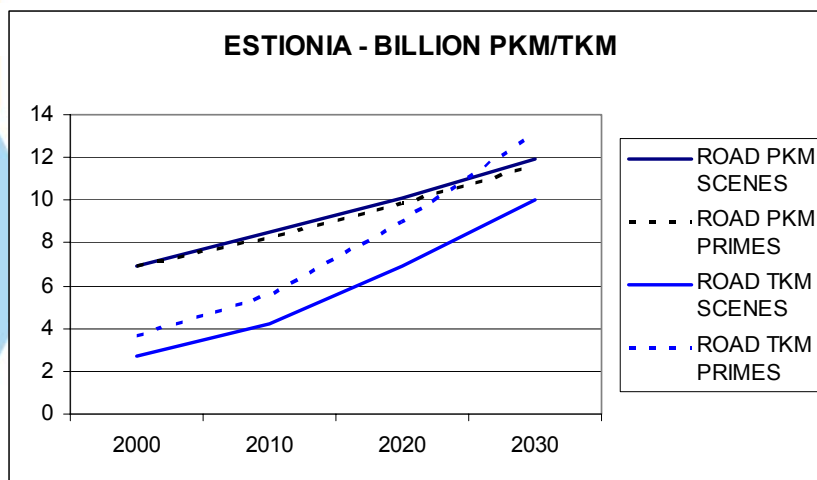
Data collection by TML & TRT

- Demand data:
 - SCENES (ASSESS) includes 2000-2020
 - Cyprus
 - Estonia
 - Lithuania
 - Malta
 - Slovakia
 - Latvia
 - Others : EUROSTAT, National Statistic Offices, UN-ECE, ERF, IRF, private institutes, ...

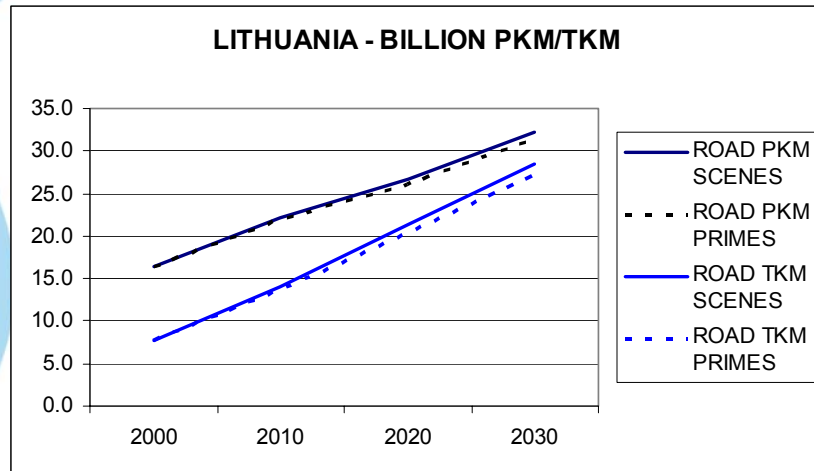
Public data and data via personal contacts

Extension 10 countries

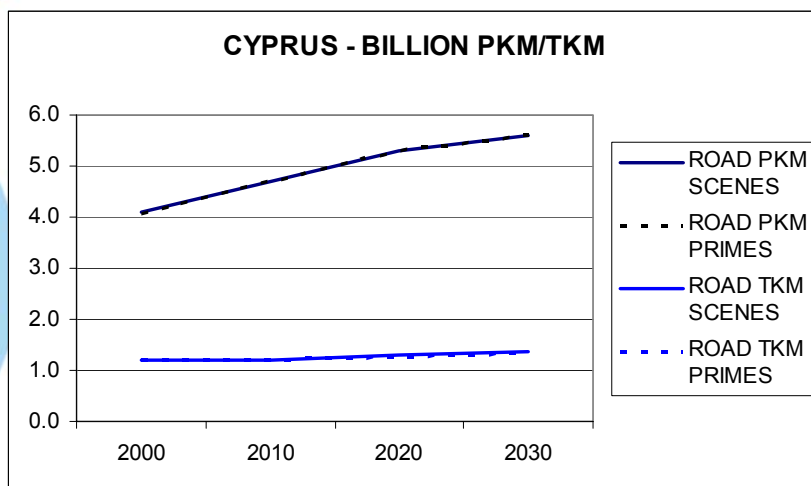
ESTONIA - BILLION PKM/TKM



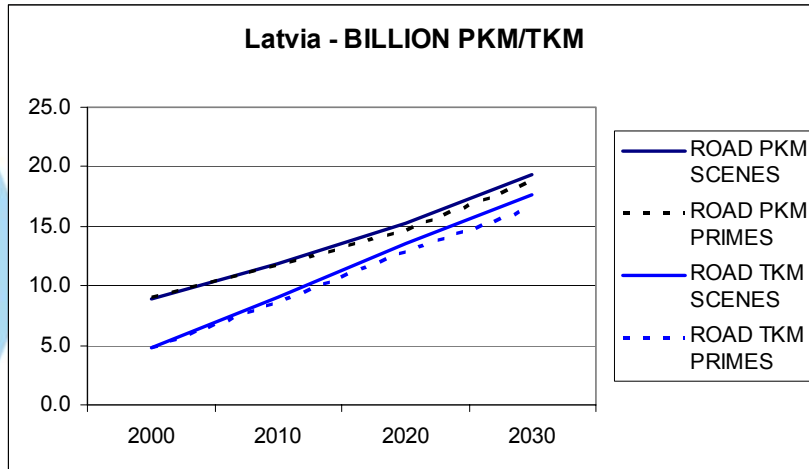
Extension 10 countries



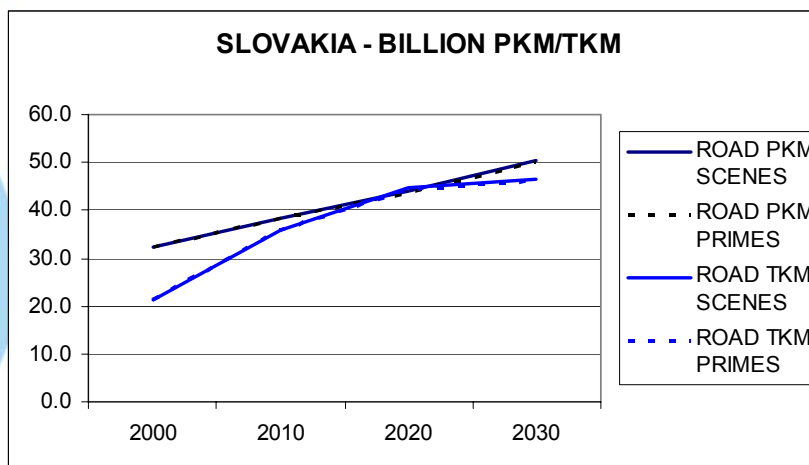
Extension 10 countries



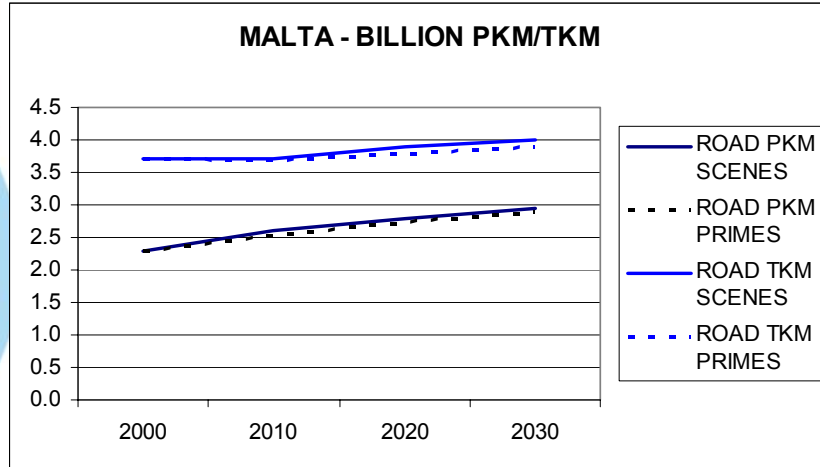
Extension 10 countries



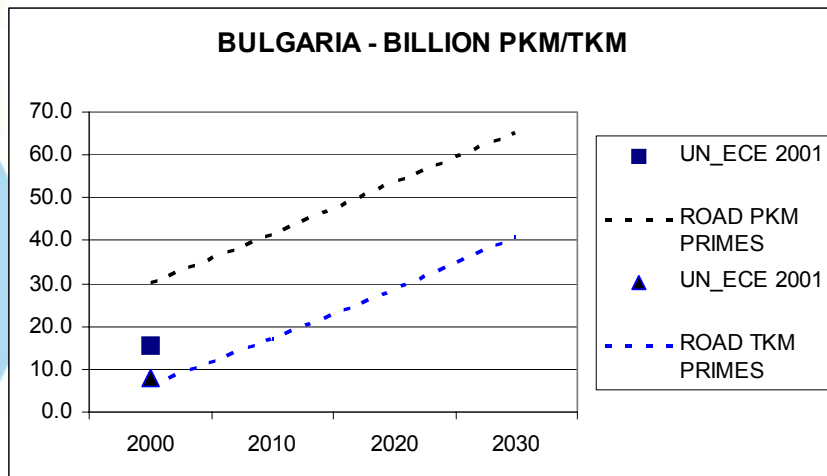
Extension 10 countries



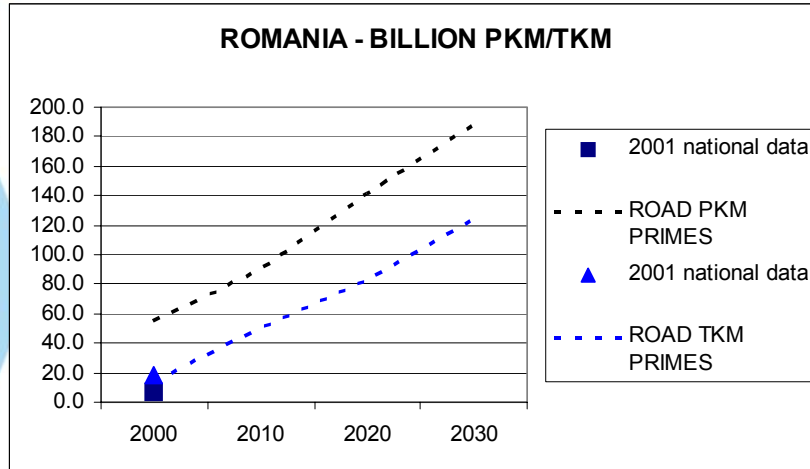
Extension 10 countries



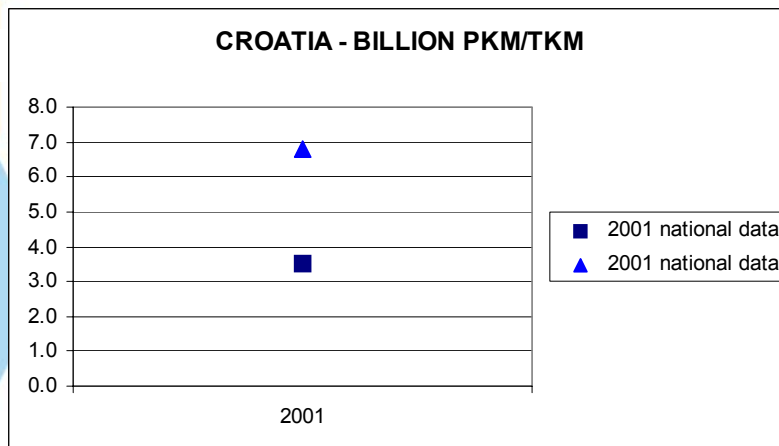
Extension 10 countries



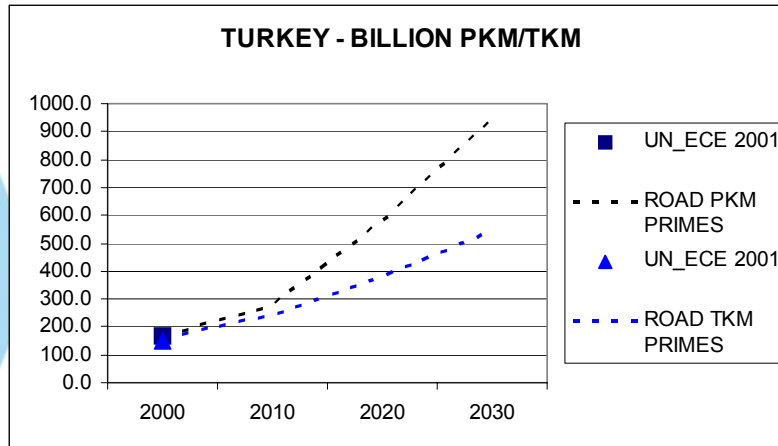
Extension 10 countries



Extension 10 countries



Extension 10 countries

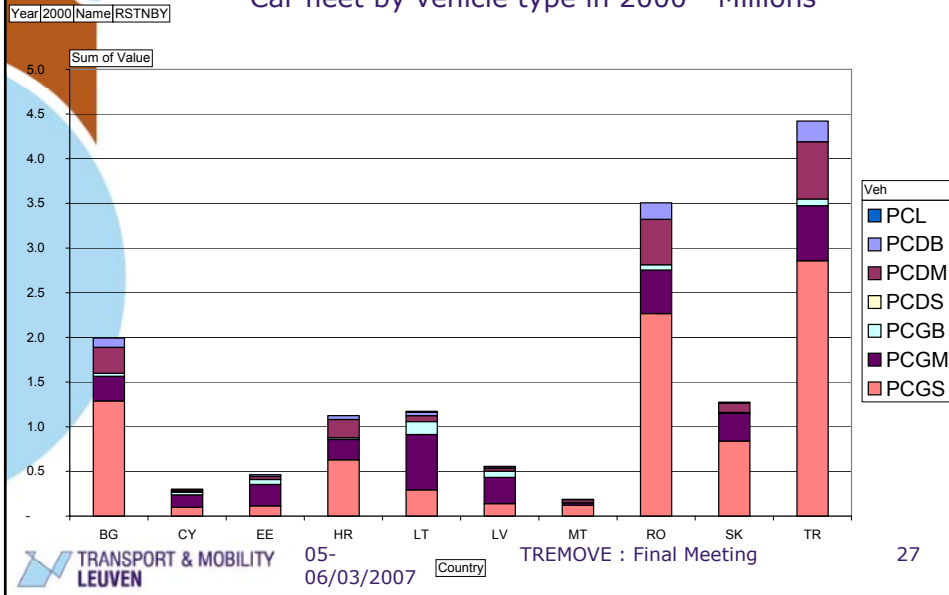


Extension 10 countries

- Data collection by TML & TRT
- Fleet data (Road and Rail):
 - No SCENES data
 - 2000 used as baseyear
 - fleets by vehicle type
 - age distributions
 - Sources : EUROSTAT, National Statistic Offices, UN-ECE, ERF, IRF, private institutes, ...
 - *Public data and data via personal contacts*
 - *Assumptions made were needed*
 - *E.g. division in motorcycle types*
 - *E.g. age distributions, based on similar country*
 - ...

Extension 10 countries

Car fleet by vehicle type in 2000 - Millions



Extension to 2030

- SCENES (Partial A/B) and PRIMES scenarios have (almost) equal demand growth rates 2000-2020
- PRIMES 2020-2030 growth rates are applied to transport demands