TRANSPORT PLANS IN HUNGARY BASED ON 2030 TARGETS

Törőcsik Ágnes, REKK

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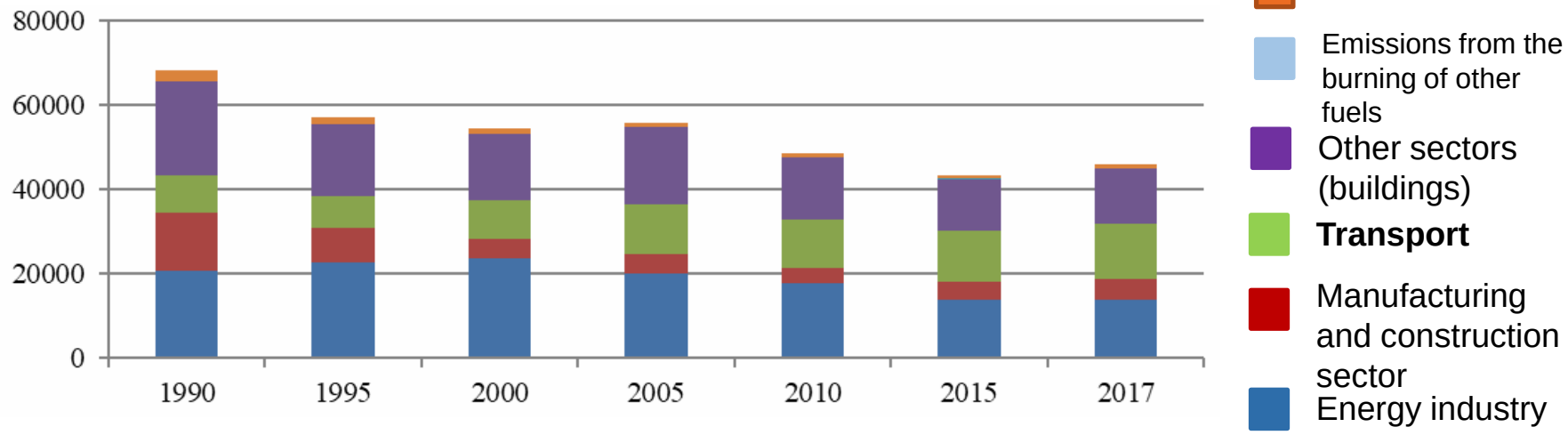
Challenge: Increasing GHG emission in the transport sector

- Transport is 23% of final energy consumption (2017)
- The transport related energy consumption is lower than in 2005 but the energy efficiency of the sector has been declined

Energy sector emissions based on sources from 1990 to 2017, kt CO2eq[1]



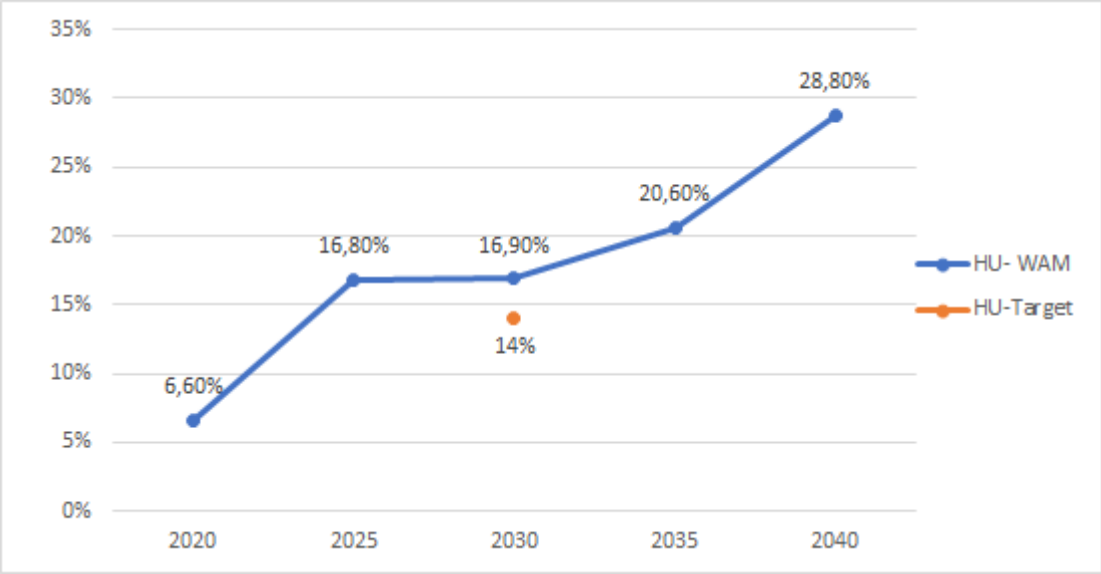
- Transport emissions increased by 31 % since 2013 (9.3 % increase since 2005)

- There is need for significant GHG reduction in the transport sector

Source: 1 – NECP Hungary

2030 Transport targets (NECP)

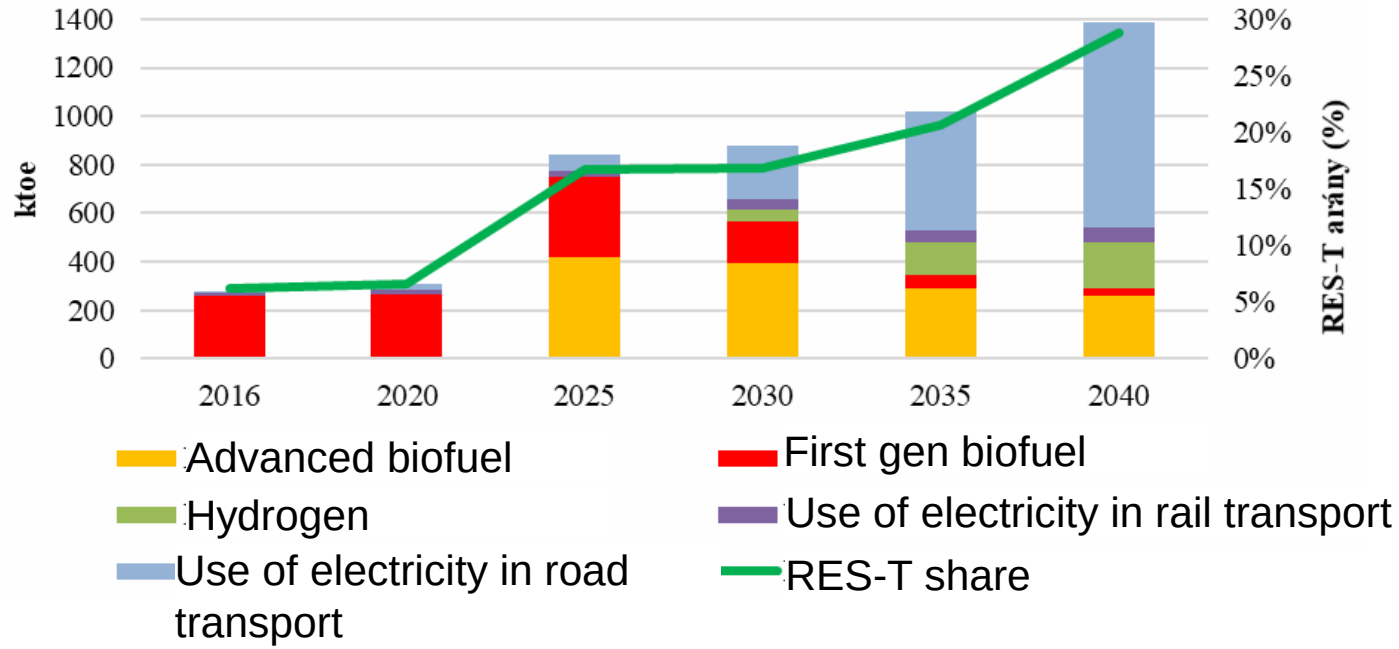
RES-T share in the transport sector under the WAM scenario, %



- Hungary has set the target of a minimum 14 % share of renewable energy in transport by 2030.
- To meet this target:
  - Hungary will increase the share of first generation biofuels produced from food crops and fodder plants to roughly 7 %,
  - and the share of second generation (or advanced) biofuels produced from waste and biogas to 3.5 % in the final energy consumption of transport.
  - The remaining share of the target will be met through the significant increase of electricity in transport.

Main contributors of reaching the 2030 RES-T targest are…

Renewable energy consumption in the transport sector, and share of renewable energy in transport (RES-T, %), with multipliers, ktoe and %, WAM

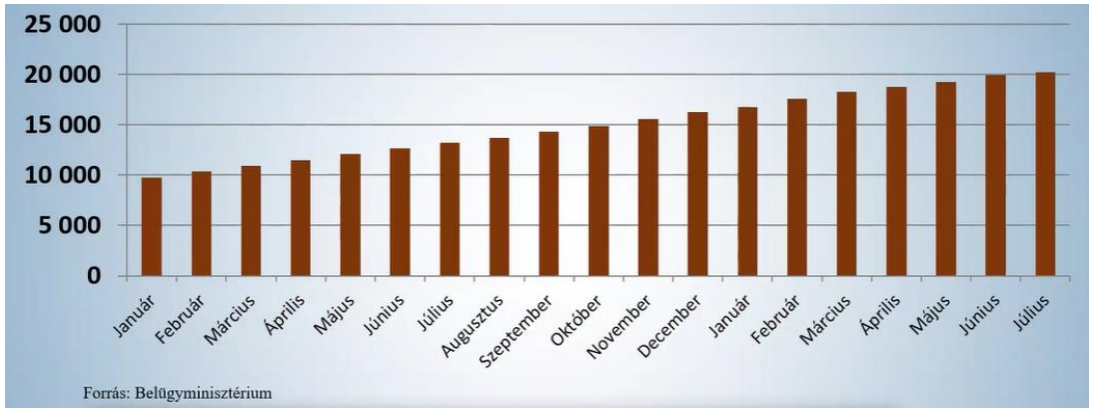


I. Biofuels
II. E-mobility: in the second half of the period
III. Railway electrification
IV. Hydrogen

E-Mobility summary

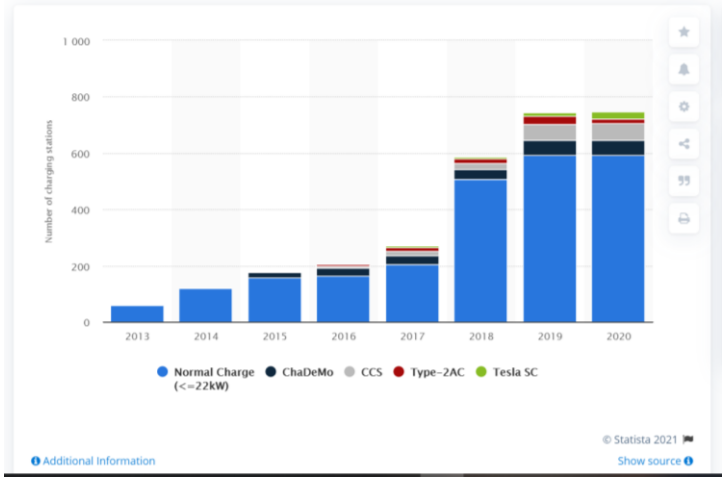
- Electric car support schemes
- Three huge Asian accumulator companies have built production capacities in Hungary: Samsung, SK Innovation, GS Yuasa

Number of green plate cars, 2019-2020



Source: G7

Number of electric vehicle charging stations in Hungary from 2013 to 2020, by type



Sourse: statista.com

Railway infrastructure development projects ongoing

- Budapest – South interconnector line
- Significant railway infrastructure projects ongoing/in planning phase

Thank you for you attention

Törőcsik Ágnes