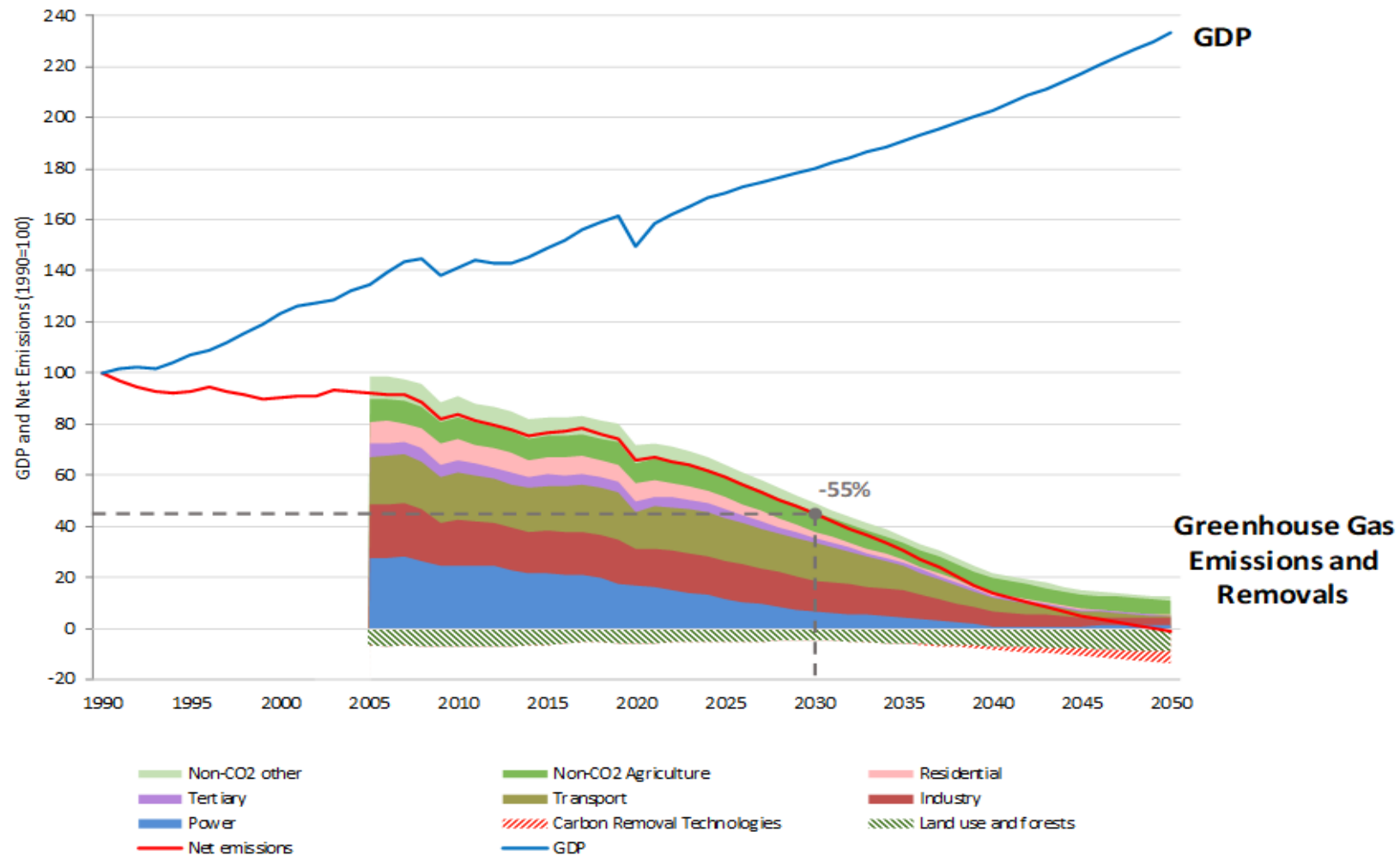
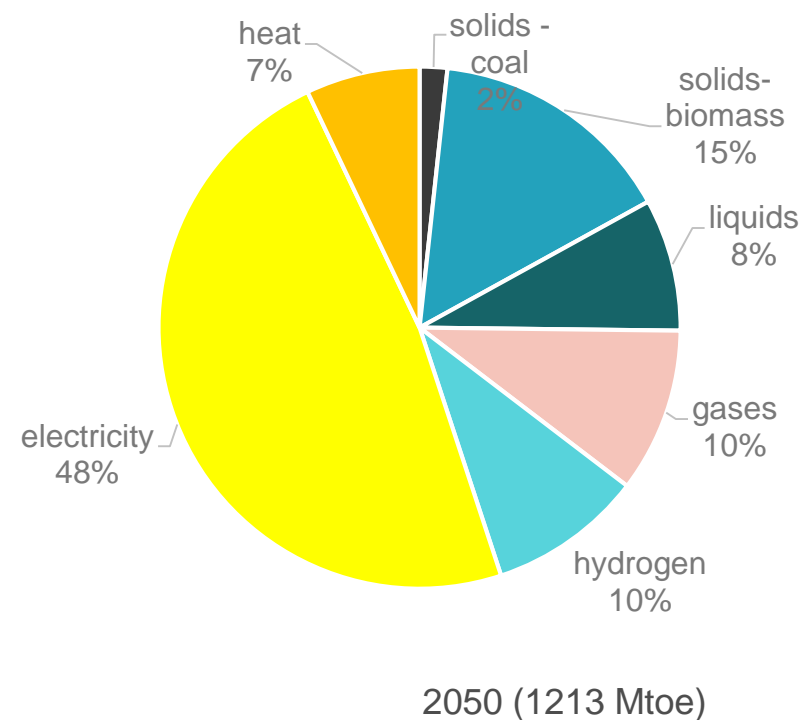
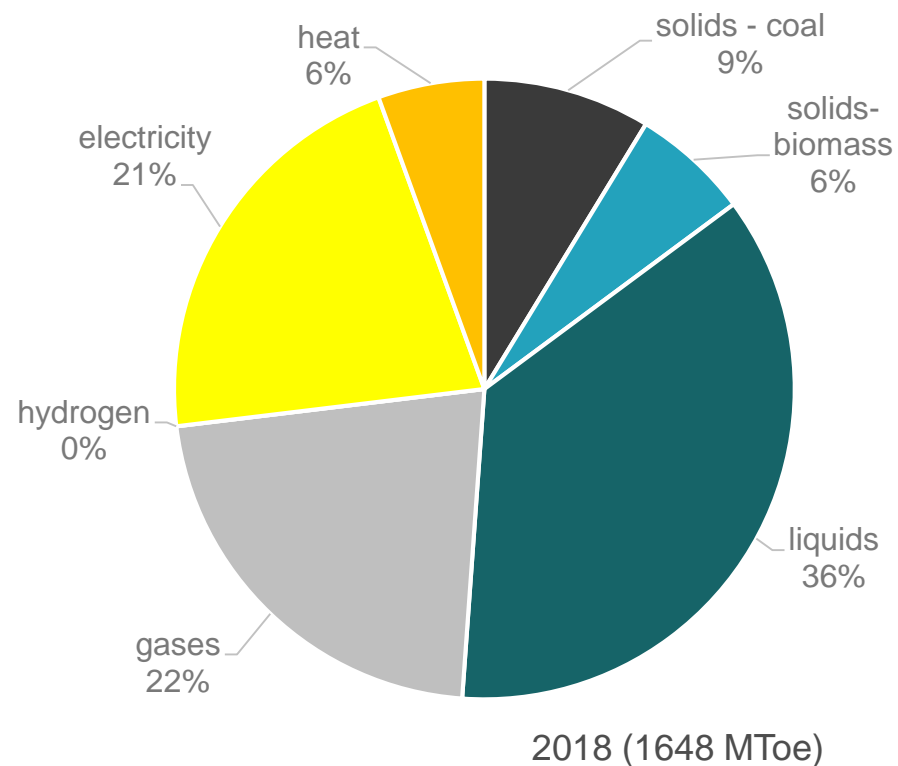


# Trajectory towards decarbonisation

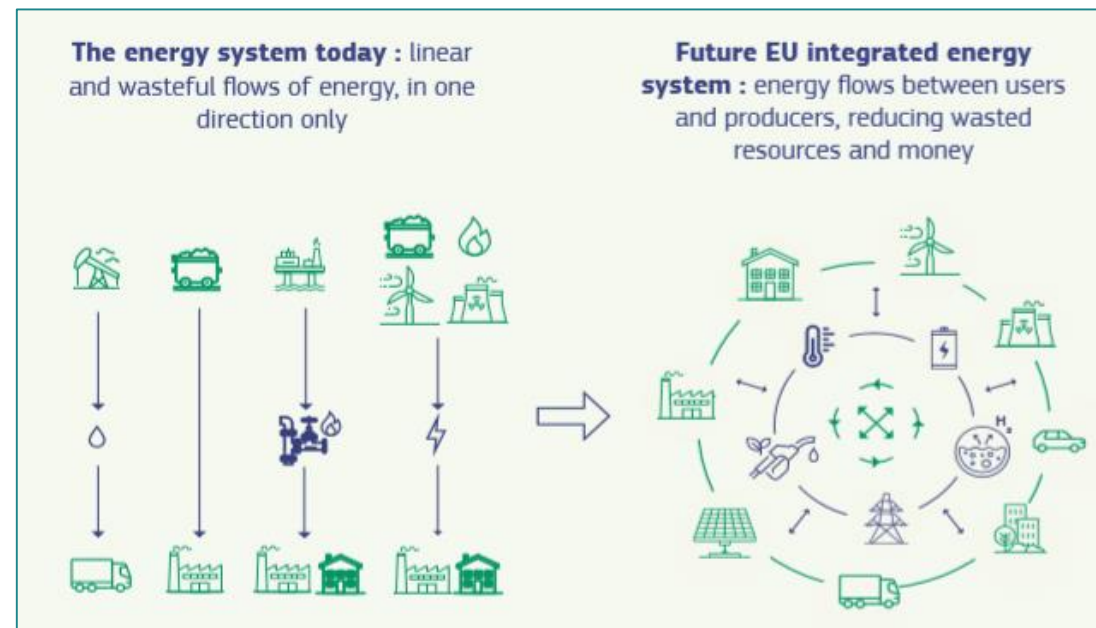
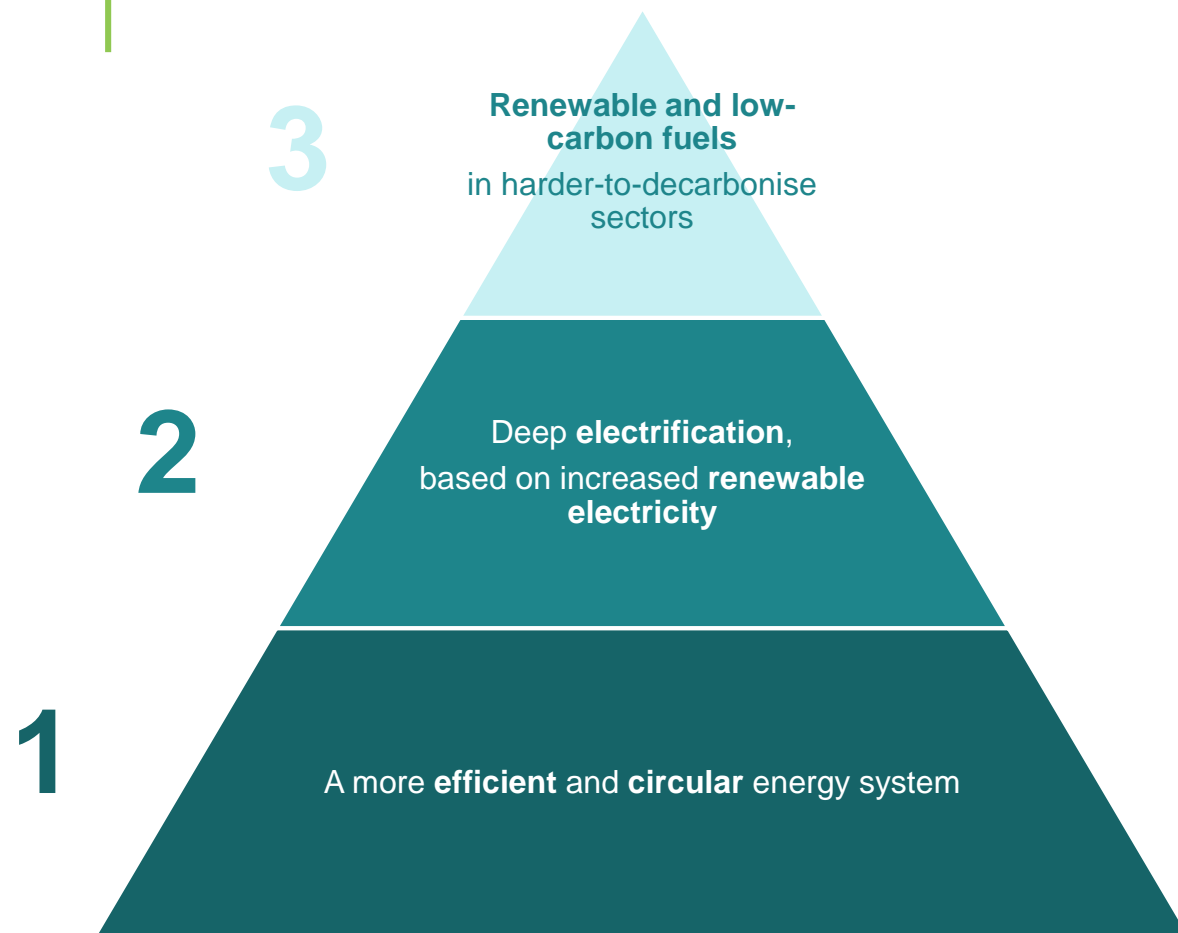


# Projected changes to the energy mix



Source: Based on EU28 Eurostat/LTS 1.5LIFE/TECH scenarios

# Transforming our energy system - the vision



€

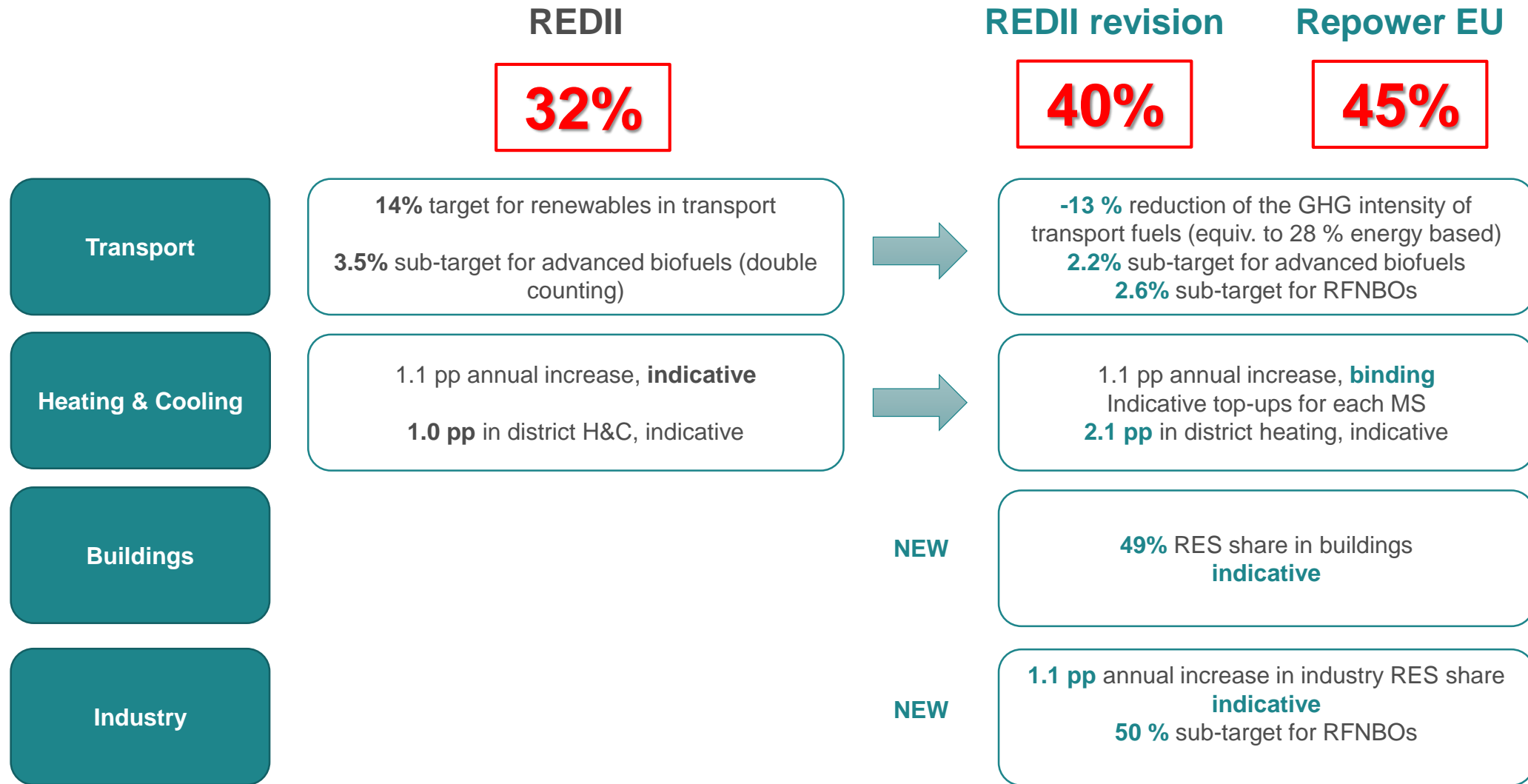
**Investment needs**  
up to EUR 400 bn per annum  
to deliver on 55%

**Energy supply and use responsible for 75% of emissions**

# Delivering on the EU climate and energy ambition



# Summary of proposed sectoral targets



# Main changes concerning the promotion of renewables fuels in REDII

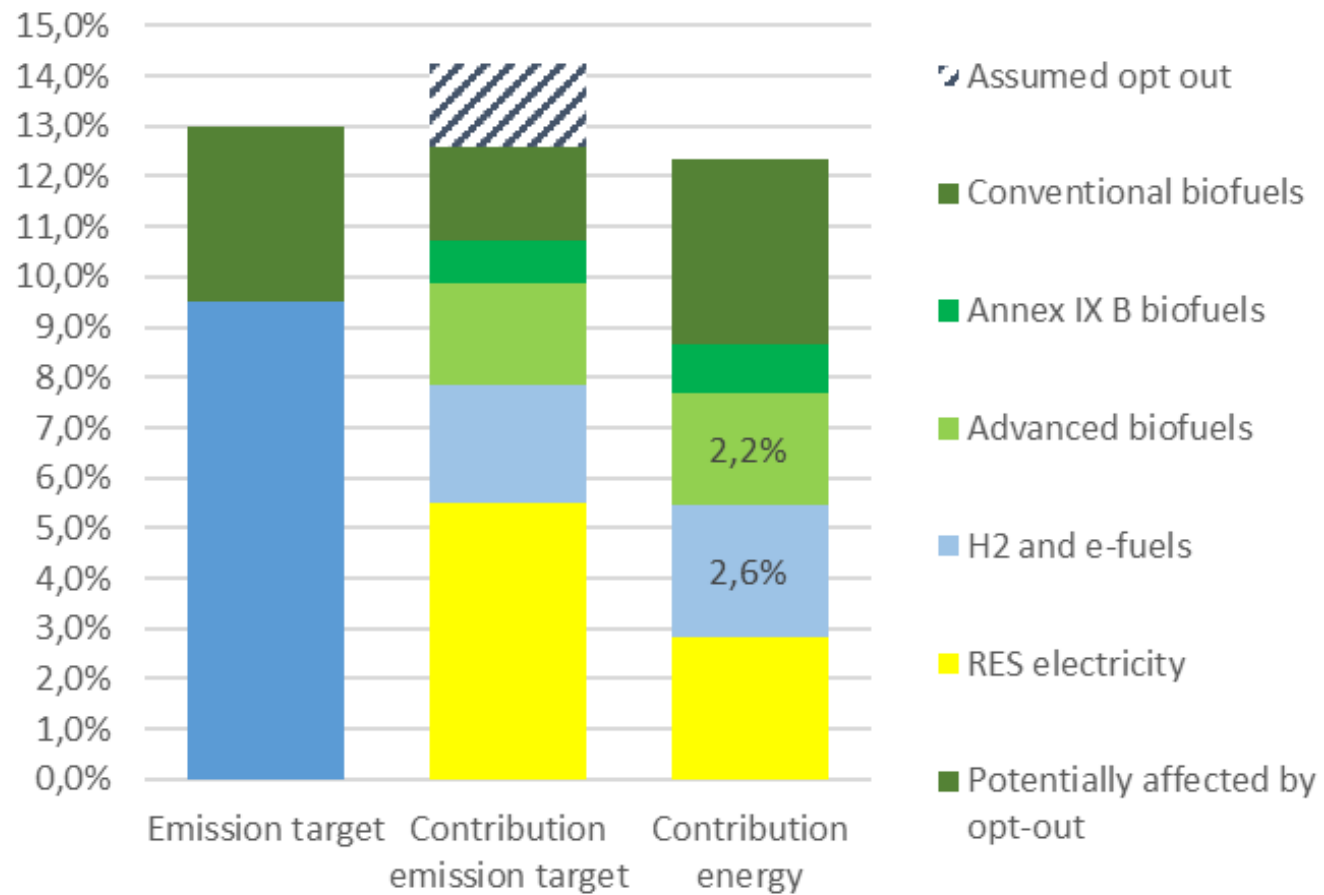
- A shift to a target expressed in terms of a reduction of the GHG emission intensity of fuels.
- An increase of the ambition level of the target. The emission intensity of fuels would need to be reduced by 13% [Repower 16].
- An introduction of energy-based sub target of 2.6% for renewable fuels of non biological origin. The target for advanced biofuels would be set at 2.2% [Repower 5%].
- Maritime and aviation sectors are fully covered.
- A credit mechanism is introduced allowing fuel suppliers to exchange credits. Charging point operators would receive credits for supplying renewable electricity to EVs and could sell these credits to fuel suppliers.

# Specific rules for biofuels, bioliquids and biomass fuels produced from food and feed crops

**RED II proposal? What main changes the Commission is proposing in this Article and what is the rational?**

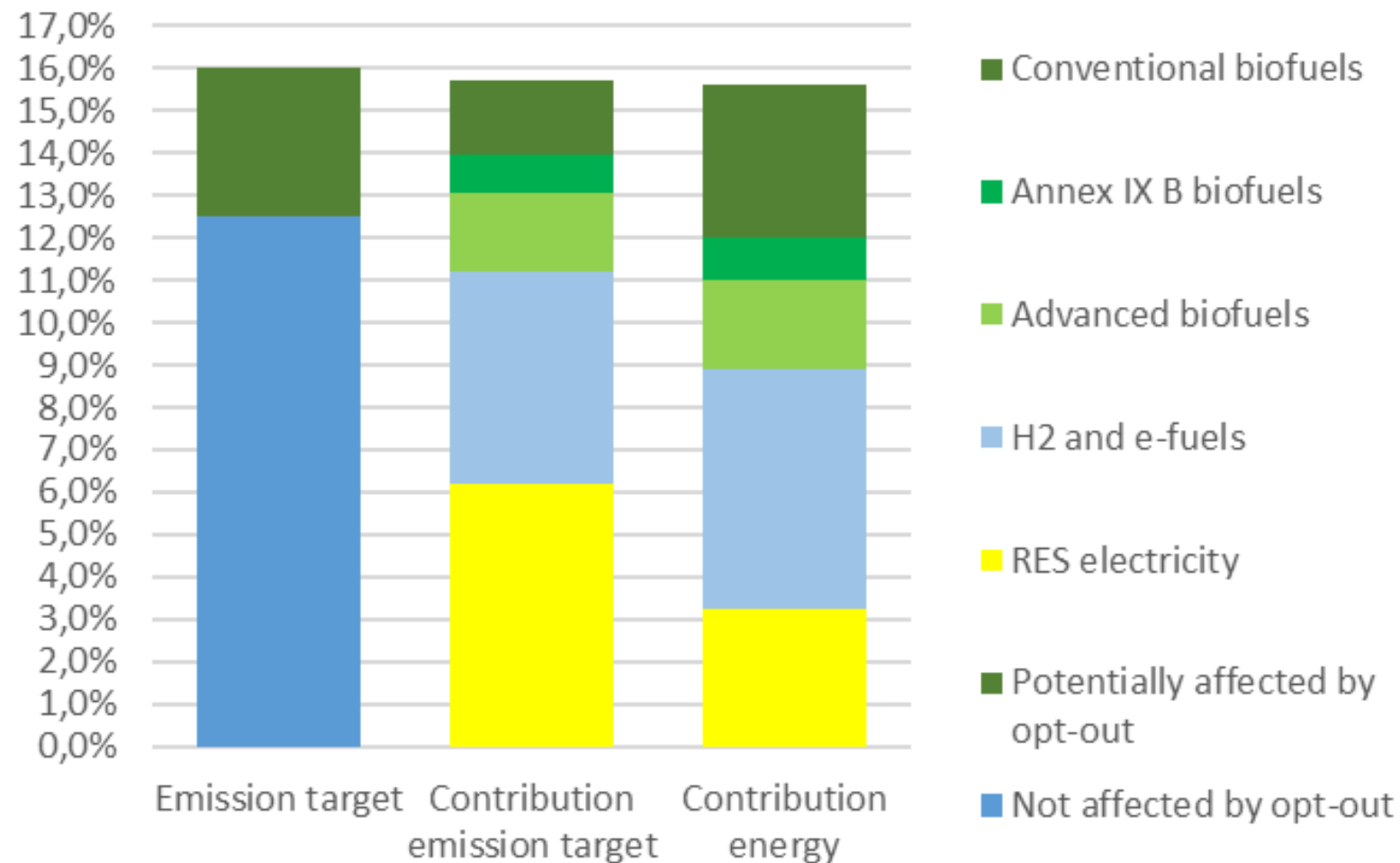
- Provisions on food and feed crop-based biofuels Article 26 is aligned with to the new approach. Otherwise no change
- Due to the shift to an emission-based approach the opt out clause was adjusted. MS are allowed under RED II to reduce the 14% target if they count less than 7% food and feed crop-based biofuels. Due to the shift to an emission-based target, MS will be allowed to reduced emission-based target if they count less than 7% food and feed crop-based biofuels biofuels.
- For each percentage point(pp) of MS remain below the 7% share of food and feed crop-based biofuels, the emission target can be reduced by 0,5% pp.

## Average contribution of energy carriers to the targets





## Average contribution of energy carriers to the targets



## Ongoing work on RED II implementation

Recently adopted:

- COM Decisions recognising voluntary schemes were adopted in spring
- Implementing act on sustainability certification

To be adopted soon:

- Implementation of forest biomass criteria (positive vote)

Finalisation of internal work by COM:

- Methodologies for certification of RFNBOs (“additionality” and GHG emissions)
- Delegated act on co-processing
- Annex IX review
- Report on the feedstock expansion
- Finalisation of UDB is progressing (to be finalised by end of 2022)

RED II transposition checks