Renewable Energy in Transport

8th RECG, Vienna, 12 November 2019
Biofuels in the Contracting Parties / Long way of (non)implementation (2006-2012)

- Legal framework & indicative targets by 2004
- Measures for promotion of biofuels
- Potential for production
- Monitoring and reporting
- Efficiency, costs, life cycle, emissions, sustainability of crops

- Laws on biofuels: Albania, Croatia
- Rulebooks on fuel quality (including biofuels): BiH, North Macedonia
- Production: Croatia, Serbia, BiH, North Macedonia, Albania
- Actual share or biofuels: 1-2%
Biofuels in the Contracting Parties / Long way of (non)implementation (2012-2019)

- **Mandatory & trajectory targets**
- **NREAP**
- **Sustainability criteria & certification**
- **Verification body**

**Directive 2003/30 on the promotion of biofuels or other renewable fuels in transport**

- 2005
- 2006
- 2009
- 2010
- 2012
- 2018
- 2020
- 2030

- **Laws on biofuels**: Montenegro, Ukraine, non-amended Law in Albania
- **Numerous long lasting drafts in Albania, North Macedonia, Kosovo**
- **Rulebooks on fuel quality (including biofuels)**: BiH, North Macedonia
- **Production closed in Serbia and in BiH**
- **Production only for export**: North Macedonia, Albania
- **Production & export of crops**: Ukraine
- **Actual share or biofuels**: 0%
New framework in EU / Clean Energy for All Europeans

Revision of Directive 2009/28 on the promotion of the use of energy from renewable energy sources

Kept at 2020 level i.e. Maximum 2% (if 10% not reached)

Advanced biofuels and all other renewables

1st generation (crop based)
Energy transition at the door....

- Climate changes’ impact
- Sources and routes of supply
- Sector coupling
- New technologies
- Decarbonisation
- Decentralisation / „democratisation“ of energy
- Energy efficiency / Demand for energy
- Heating sector
- Transport patterns

Timeline:
- 2019
- 2020
- 2030
- 2050
Transport sector in future

Source: EU Energy, Transport and GHG emissions trends to 2050
Gross Final Energy Consumption / Contracting Parties

Bosnia and Herzegovina

North Macedonia

Serbia

Albania

Montenegro

Kosovo *

Moldova

Ukraine

- Coal & Coal Products
- Oil & Oil Products
- Natural Gas
- Nuclear Heat
- Solar Heat
- Geothermal Heat
- Biomass
- Wind Energy
- Hydro Energy
- Other fuels
- Imported electricity

 энергетический сообщество
Way forward

Breaking the deadlock in the implementation of sustainable renewable fuels in transport sector

Time for comprehensive energy strategy

Scan of available resources

New technologies from the start

Momentum of changes

ECS in October launched a tender to define possible options for the future of renewables in the transport sector until 2030 in the Contracting Parties
Thank you for your attention!

Karolina Čegir, Gas Expert

karolina.cegir@energy-community.org; +43 1 535 2222 218