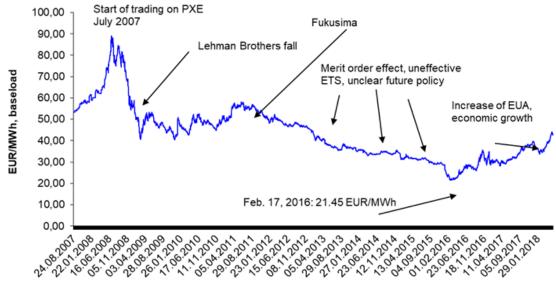
# Looking back at changes in renewables in last 20 years and future outlook of RES potential in Central Europe





# Looking back



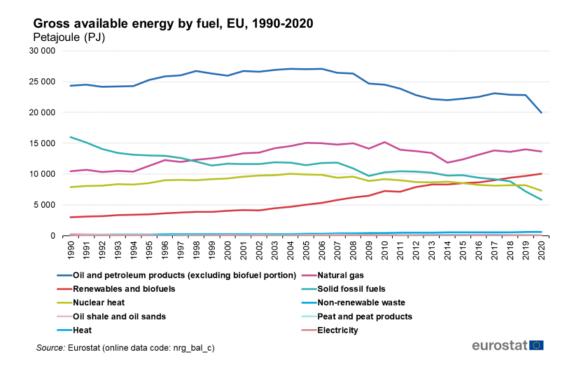


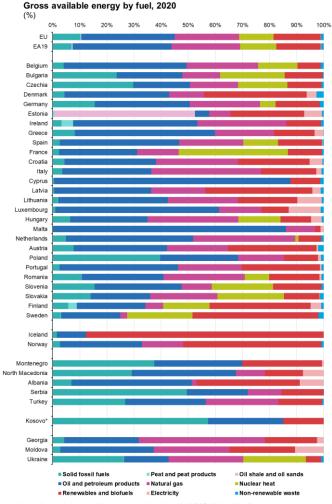
The electricity market reflects many changes in the surrounding world - changes in technology, changes in priorities, new policies, geopolitical aspects, etc.



Source: PXE, one year contract

# Energy structure development - EU



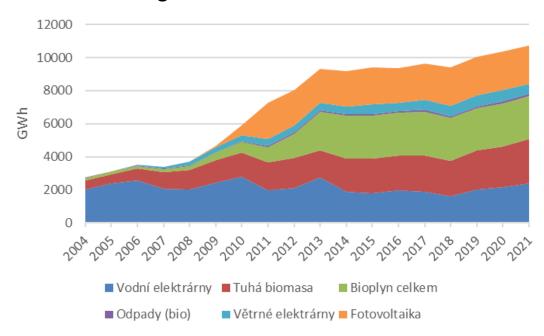


<sup>\*</sup> This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.
Source: Eurostat (online data code: rrg\_bal\_c)

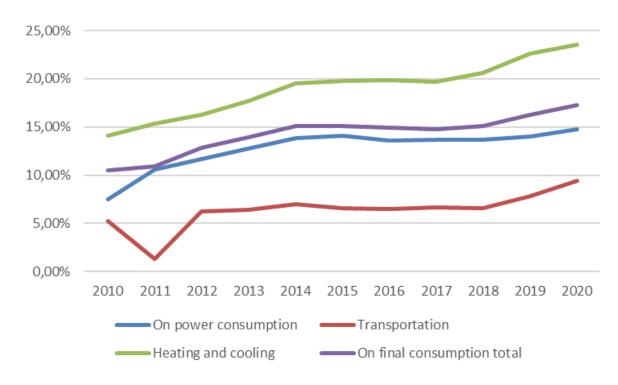
eurostat 🖸

# Czech Republic

#### Power generation



#### RES share generation



# RES milestones – CZ (2005-2010)

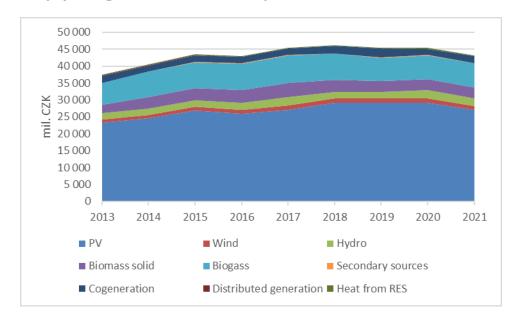
2005: Act 180/2005 Col. - start of systematic support

- FIT and FIP scheme
- Until 2010, it was considered effective and sufficiently motivating
- Czech Rep. fulfilled the target for the year 2010 (Directive77/2001) –
   8,23%
- Main questions discussed:
  - Logic of the scheme technological neutrality
  - Biomass types
  - Co-firing
  - Reference models and data collection

# RES milestones – CZ (2010-2013)

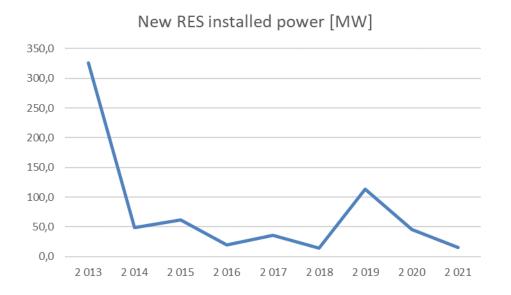
PV boom in 2010 – result of combination of several factors incl. gapes in legislation

- Enormous increase of RES support cost
- New legislation Act 165/2012
  - Slowing or stopping the development of RES

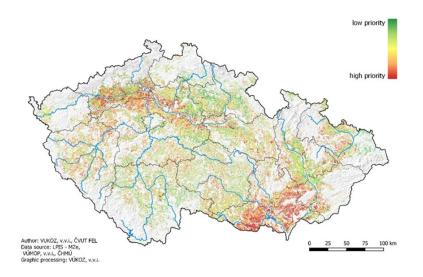


# RES milestones – CZ (2013-2022)

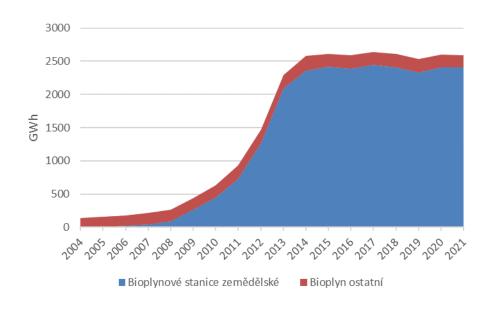
Significant slowdown in the development of RES for electricity generation - a consequence of the reduction of support and uncertainties for investors in terms of legislation

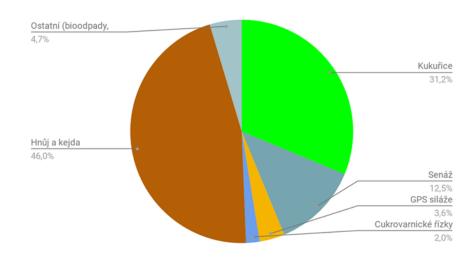


- Biomass: redefinition of biomass potential sustainability criteria (reduction of optimism
  - Preference of non-production functions related with energy crops

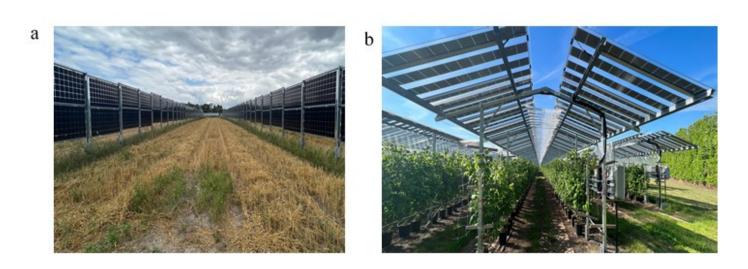


- Biogass: discussion on contribution to ancilliary services and the role of biomethane (up to 1-1,2 bil. m3?)
  - Inputs: sustainability criteria





- PV: preference of small distributed applications,
- New solution: agrivoltaics



- From the discussion how to start to the discussion how to continue
  - Energy communities
  - Continutation in RES support
  - RES is not only for power generation significant role e.g. In decarbonization of district heating sector
- New discussion
  - RES and flexibility
  - Market coupling
  - Sustainability criteria
  - Systematic policy in RES support