



**Frank Bold**

# Activities of energy communities

Regional workshop on climate neutral business initiatives in the context of the Fit for 55 package, 1/6/2022

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# General scope

# What can the energy community look like?

- Apartment buildings (+ housing estates)
- Public buildings (+ municipal and communal lands)
- Smart districts
- Industrial and logistics complexes
- Virtual energy community (cities)
- Anything in-between

# Where the energy communities can engage?

- Electricity/heat generation + sharing
  - PV, Wind, Biogas, Biomass
- LDN operation
- Flexibility aggregation services
- EC as the energy supplier
- EC as the social tool – energy poverty

# Czech Context

# What is feasible and not?

- Due to the lack of transposition, unfortunately, energy communities cannot officially engage in any listed activities
- BUT
  - Municipal renewable projects → electricity and heat generation

# What is currently discussed?

- Short-term horizon
  - Definition,
  - Concept of sharing electricity
  - Licenses, billing,
  - Relations with DSOs (obligations towards ECs) -> distribution fee discount
- Long-term horizon
  - Production-consumption link – accumulation + electromobility
  - Heat
  - Flexibility aggregation
  - Special tariff for the ECs

# Potential of the CE in the Czech Republic

- Municipalities + apartment buildings
- Installed capacity
  - 7 478 MW – electricity
  - 7164 MW – heat
- Energy generation potential
  - Municipal wind powerplants: 8 265 GWh (51% household consumption)
  - PV (municipal + apartment buildings): 4 450 GWh (28% household consumption)



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