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A nuclear vision with a solar boost

Critical analysis of the Hungarian NCEP
from the sustainability's point of view

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Energiaklub Climate Policy Institute and Applied Communications Association (HU)

Unambitious and unbalanced plan for RE technologies

21% renewable energy target

Heat: solid biomass dominance

Electricity: solar PV dominance

Prohibited wind energy developments;

Unclear role of the flexible biogas technology.





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Heating & Cooling

Biomass heat

130%

Geothermal heat

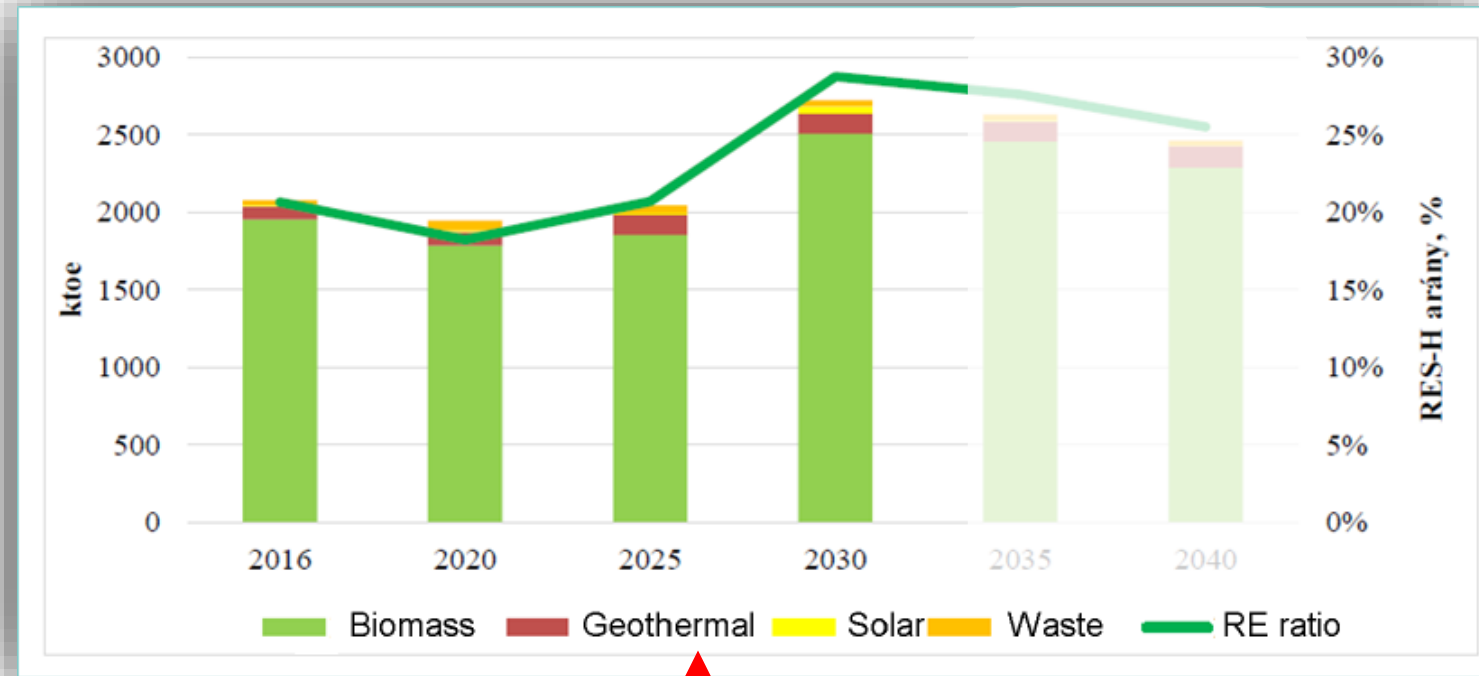
138%

Solar heat

423%

Other ambient heat

567% in heat pump heat production



Missing ambient heat:

- excess heat
- air source
- water source

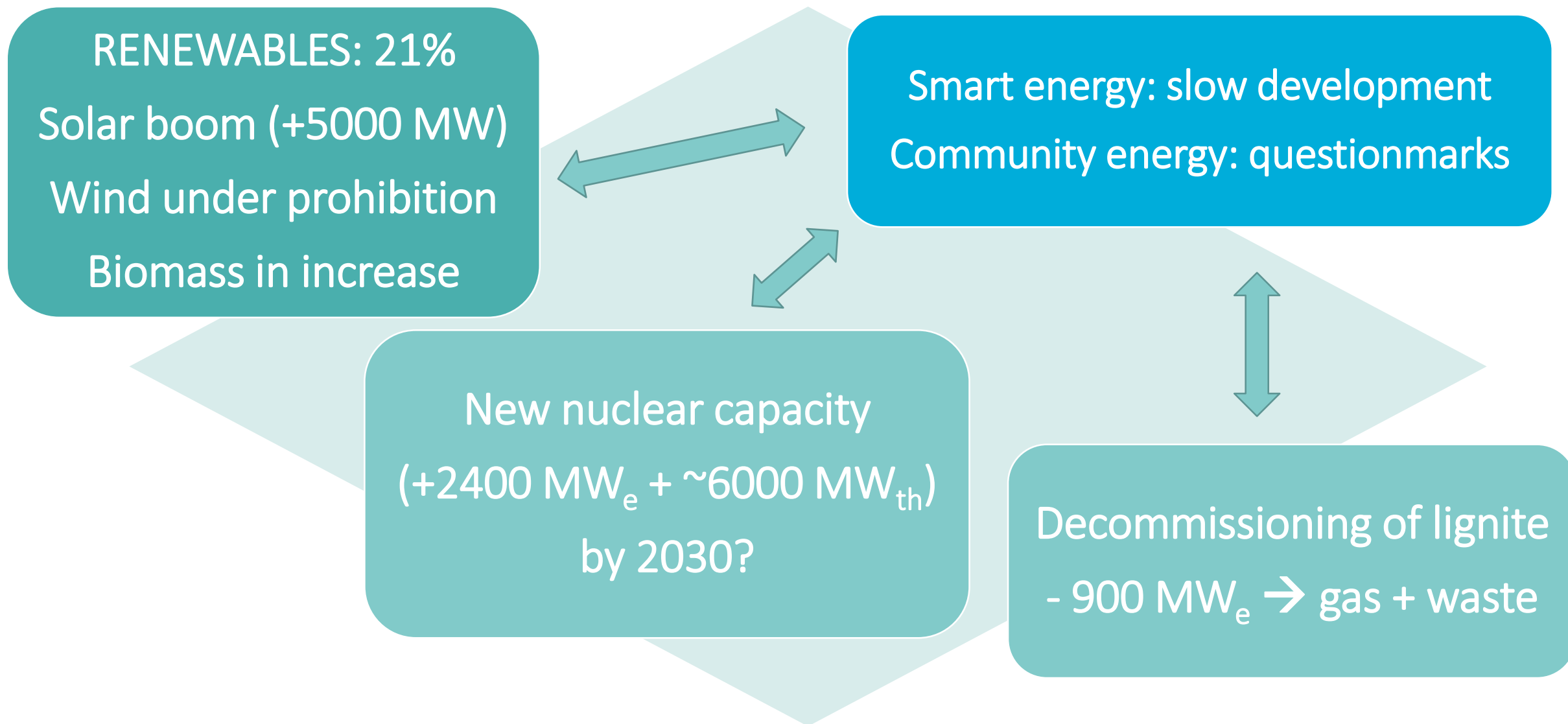




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Electricity production

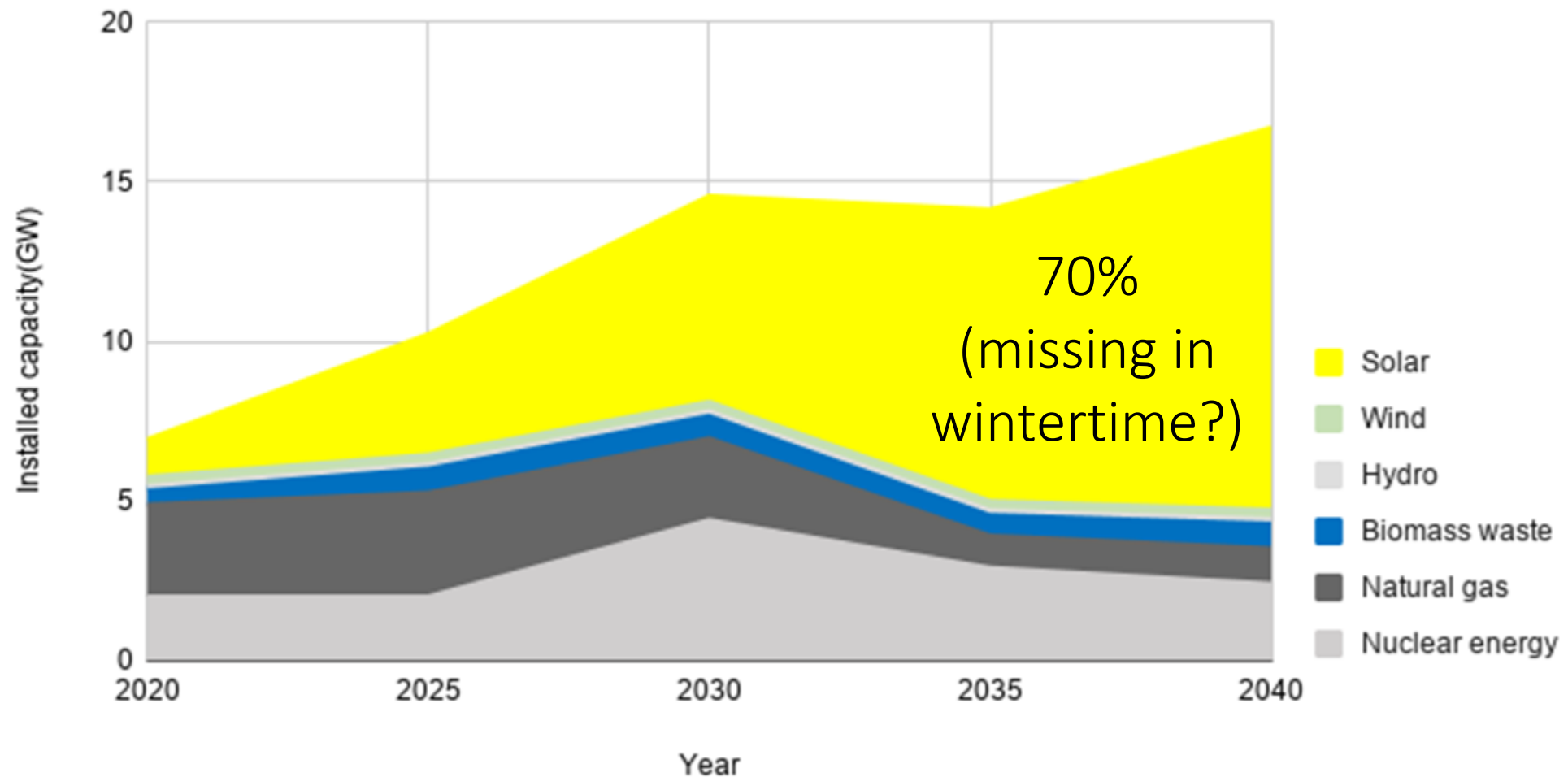
Electricity sector by 2030



Power production capacity – one-sided RE development

Evolution of the installed power capacity according to the Hungarian NECP

Selected sources (coal, oil and ambient heat not included)



Some of the suggestions of the Energiaklub



IMPROVE the concept of national level „network of energy engineers”

→ network of environmental management centres with **multidisciplinary teams**

LIFT THE BAN on wind energy developments

→ 2000-4000 MW new wind energy capacity by 2030

TRANSFORM the green premium scheme (METÁR)

→ focus on technology neutrality and cost efficiency

TAKE seriously the **SUPPORT** of energy communities

→ with creating an encouraging **legal background**

Success stories – despite of the weak climate policy

Solar PV

- 39% increase in **household-level solar PV** in 2019
- 460 MW **household-level solar PV** (01. 2020.)
- all available: ~1500 MW PV capacity

Geothermal energy

- **first geothermal power plant** was launched in 2017 (3 MW_e +7 MW_{th})
- the **second largest geothermal-based district heating system** of Europe under construction (224 MW_{th})

