



European Sustainable Energy Seminar

17-19 August, 2026

Venue: Nordic Folkecenter for Renewable Energy, Ydby, Denmark



Energy Communities and their Roles in a Just Transition. Good Examples, Barriers, Next Steps on EU-Level

Renewable Energy and Community Ownership The Potential of Energy Citizens in the European Union

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Presentation is part of Proceedings: https://inforse.org/europe/seminar_2026_INFORSE-Europe_Denmark.htm



Swedish Society
for Nature Conservation



Latvijas Zaļā kustība
Latvian Green Movement



Naturvernforbundet
Friends of the Earth Norway



Eesti
Roheline
Liikumine
Estonian Green Movement-FdE



ECOHOME



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OTWARTY

PLAN

YEE!
YOUTH AND
ENVIRONMENT
EUROPE



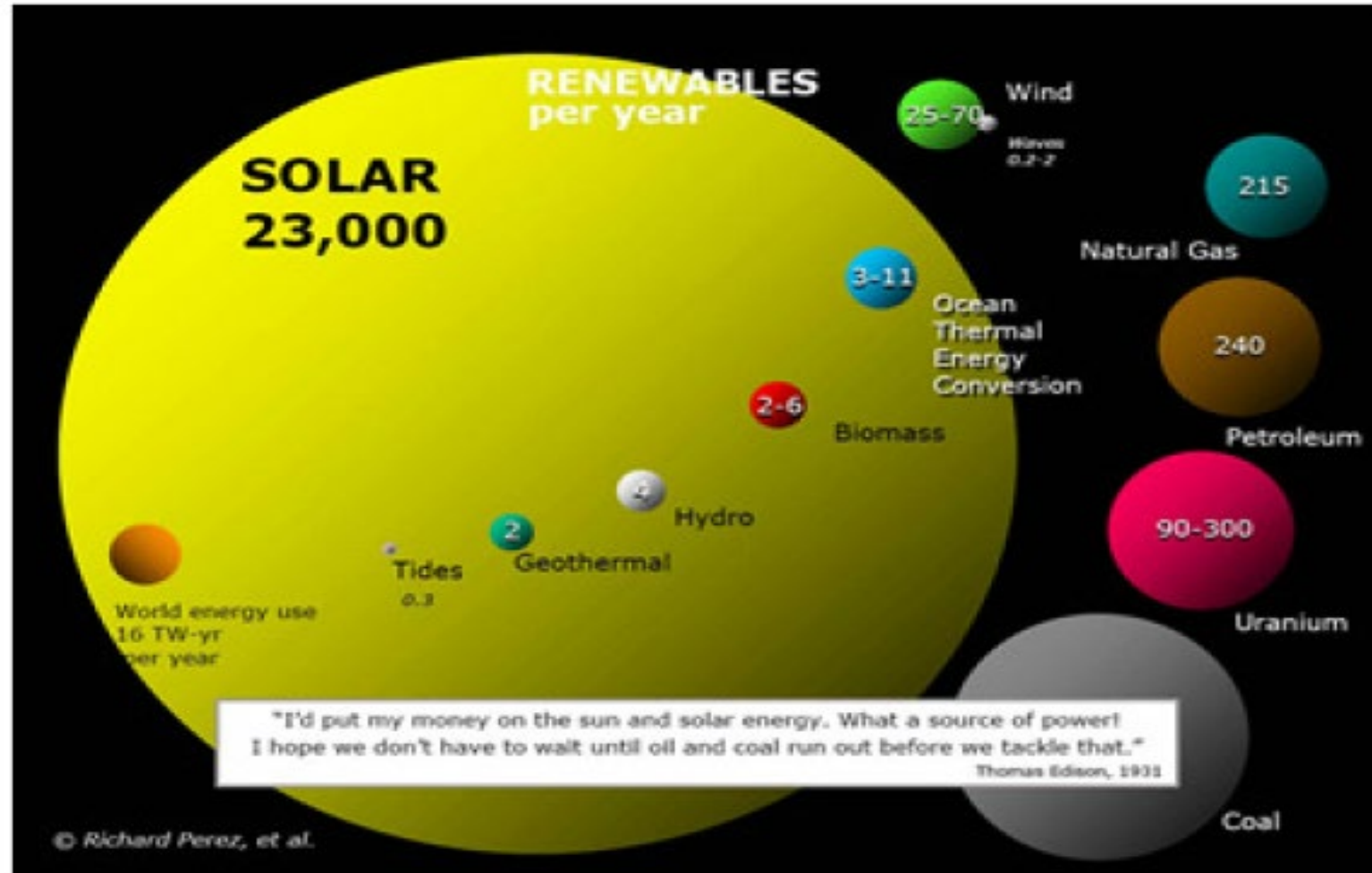
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Renewable Energy for Everybody?

- ✿ Can we cover the energy consumption for the entire Earth's population with renewable energy?
- ✿ Yes - physically, only the utilization of a smaller part of the solar energy can cover needs
- ✿ Technically, we already have the machines to do it
- ✿ Financial: a matter of prioritization

SO MUCH SOLAR ENERGY GLOBALLY



International Coalition

- ✦ INFORSE-Europe part of European coalition for Community Energy – locally owned cooperatives in European countries
- ✦ Coalition among European environmental organisations and organisations for energy cooperatives



www.communitypower.eu

+ www.rescoop.eu

+ www.foeeurope.org

The Potential of Energy Citizens in the European Union

CE Delft study conclusions



Potential for Energy Citizens

- ✦ Study by CE Delft institute

 - commissioned by Greenpeace, Friends of the Earth Europe, European Renewable Energy Federation (EREF) and REScoop

- ✦ Conclusion: 264 mio. citizens in EU can produce about 45 pct. of electricity in 2050

Potential for Energy Citizens

Study of four different energy citizen categories:

- ✿ individuals or households producing energy individually,
- ✿ individuals or households producing energy collectively,
- ✿ public entities and small enterprises.

Renewable energy sources investigated

- ✿ solar photovoltaic (PV) and wind energy,
- ✿ demand side flexibility focused on the potential for electric vehicles, el-boilers and stationary batteries

BY 2050

1 OUT OF 2 PEOPLE

IN THE EU



COULD BE PRODUCING THEIR OWN ELECTRICITY

Potential for Energy Citizens

Results of study

- ✧ **83% of EU's households - about 187 million** - could become an energy citizen and contribute to renewable energy production, demand response and/or energy storage, which amounts to households.
- ✧ About **half of EU households, around 113 million**, may have the potential to produce energy;
- ✧ even more could provide demand flexibility with their electric vehicles, smart el-boilers or stationary batteries

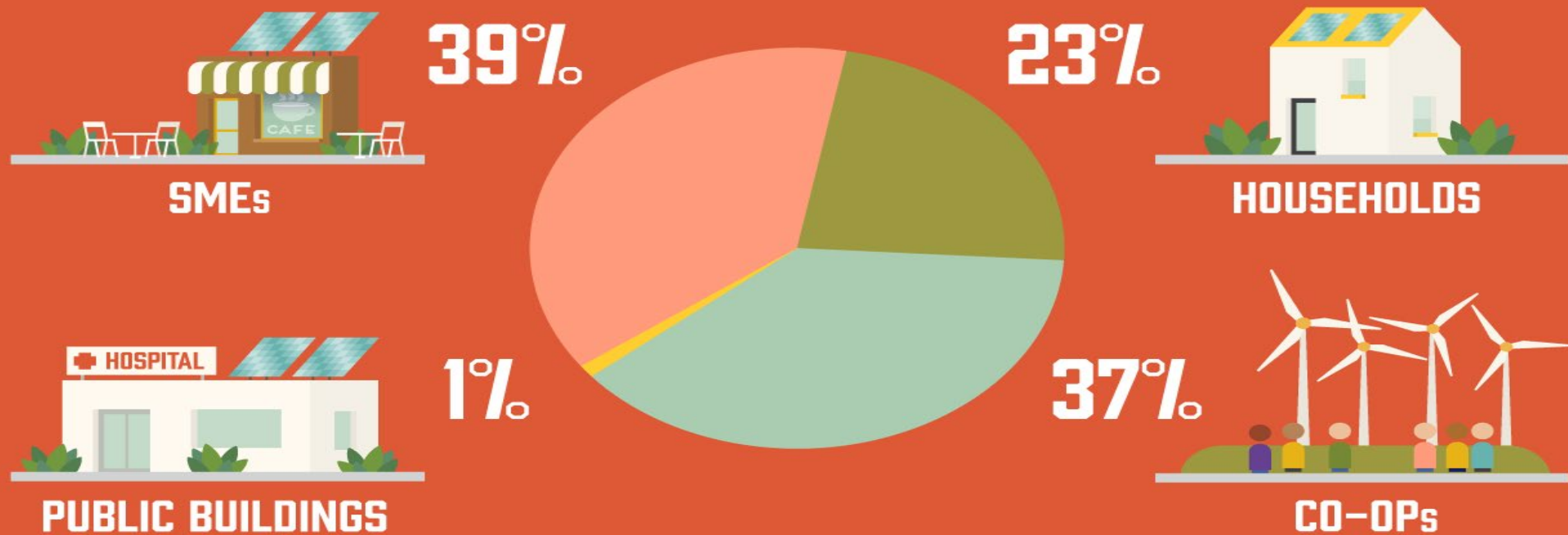
BY 2050

**264
MILLION**

**PEOPLE IN THE EU
COULD BE PRODUCING
THEIR OWN ELECTRICITY**



THE EU'S CITIZEN-OWNED ELECTRICITY IN 2050



BY 2050

PEOPLE

**COULD
PRODUCE**

45%

OF THE EU'S ELECTRICITY

