Local Climate & Sustainable Energy Solutions &
100 % Renewables in Europe
UN Climate Dialogue 2020 Side Event
November 26, 2020

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Internaitonal Network for Sustainable Energy - Europe

Proceedings: https://www.inforse.org/cd2020.php3
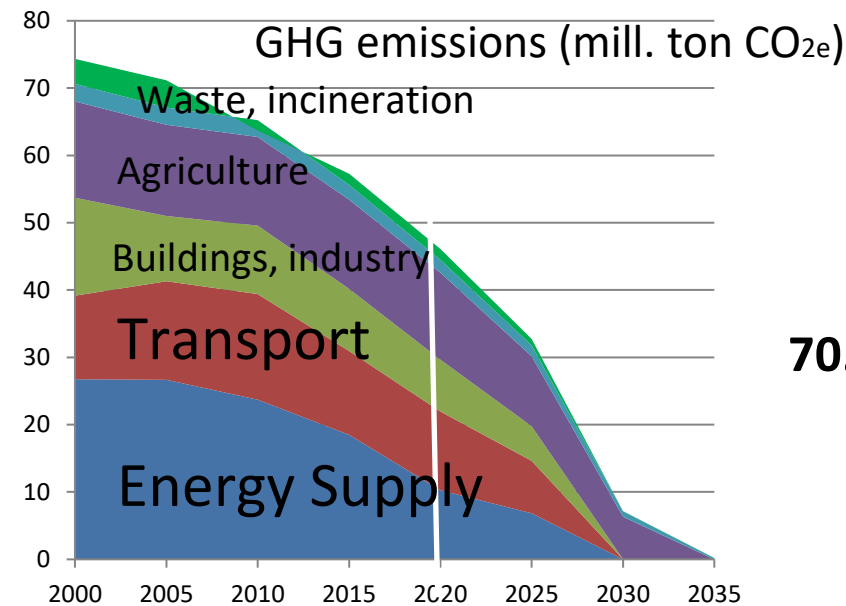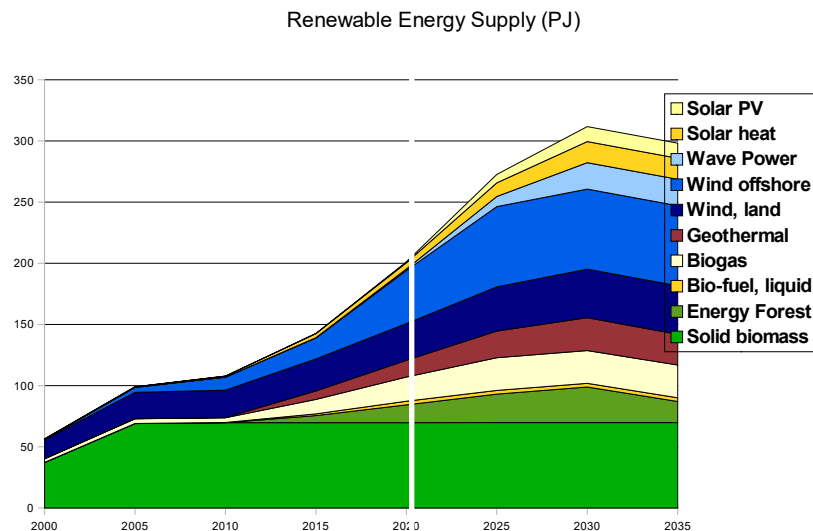UNFCCC: https://unfccc.int/cd2020/specialevents

INFORSE-Europe:

- Network of 65 CSOs for sustainable energy

- Work for 100% Renewable Energy with members, universities, negaWatt develop scenarios, strategies

- Work for energy communities in climate & energy strategies

- Work for energy sufficieny in energy plans and strategies

- Follow EU policies, also on energy efficiency of everyday products

- Events, now mostly online

CLIMATE DIALOGUES 2020

UN CD2020 Side Event: November 26, 2020 - INFORSE: Local Climate & Sustainable Energy Solutions in East Africa Catalogue, South Asia Eco-Village Development ToT, 100% Renewables

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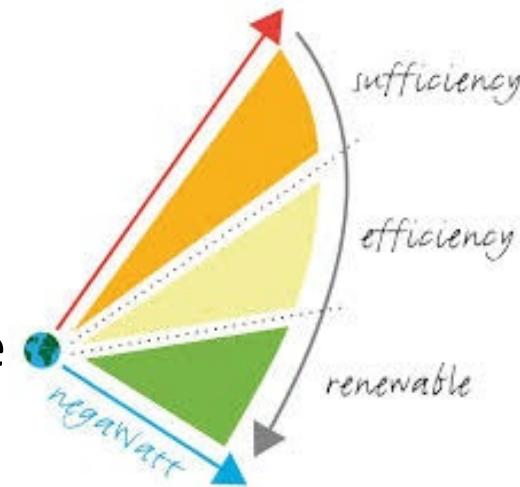
100% Renewable Energy is Feasible

- Cooperated with CAN-Europe on the Paris Agreement Compatible Scenario: 65% GHG reductions to 2030 in EU, climate neutral 2040

- Cooperates with negaWatt of bottom up 100% RE scenarios for EU

- Developed scenarios for 100% RE for + 10 countries in Europe

- Example: Danish scenario

Renewable Energy Supply (PJ)

Legend:
- Solar PV
- Solar heat
- Wave Power
- Wind offshore
- Wind, land
- Geothermal
- Biogas
- Bio-fuel, liquid
- Energy Forest
- Solid biomass

GHG emissions (mill. ton CO_{2e})

- Waste, incineration
- Agriculture
- Buildings, industry
- Transport
- Energy Supply

100% RE,
"very green"
agriculture,
no incineration
70.000 ha land (1.6%)
to CO2-capture

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We Need Energy Sufficiency?

- We need fast reductions of greenhouse gases

- Renewable energy and energy efficiency are not enough, if we keep on expanding transport, buildings & consumption

- Most Europeans have sufficient housing, transport etc. – they will have no improvements of lifes with higher consumption

- A minority still lives in energy poverty – have hard times to pay energy bills

- By adding energy sufficiency to planning, we can easier reach climate targets and a sustainable development

How do we Include Energy Sufficiency?

- Plan for societies with less distances between homes, shops, schools, work

- Plan for lower speed on roads, and alternative to cars

- Promote and make it easier for smaller families to move to smaller homes

- Promote sharing of spaces, for instance using schools during evenings, have shared spaces rather than larger dwellings

- Share equipment, cars and others

- Allow increased consumption for those that are in energy poverty etc.

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Thank You

More information:

https://www.inforse.org/europe/Vision2050.htm