UNFCCC SB60 - BONN, GERMANY

SIDE EVENT : INFORSE - FRAUNHOFER - NEGAWATT - SE

Sat. 8 June, 2024 - 11:45 - 13:00, Room Berlin

Decarbonisation through sufficiency lifestyle: How much? How to support? 100% renewables

FULFILL

Founded by the European Union

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UNFCCC SB60 Side Event, Bonn, Germany - 8th June 2024

Decarbonisation through sufficiency lifestyle:
How much? How to support? 100% renewables

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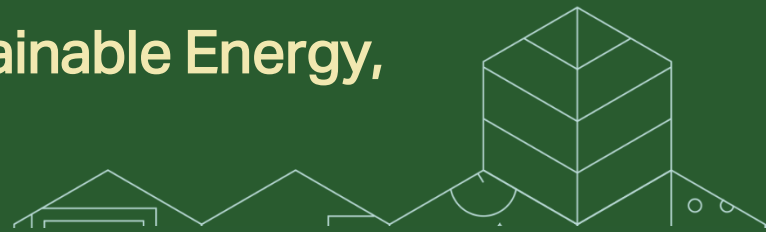
Sufficiency policies in NDCs and the EU countries national climate and energy plans (NECPs): What is there already and how to make sufficiency policies drive faster decarbonization, 100 % renewables scenarios.

Gunnar Boye Olesen, International Network for Sustainable Energy, (INFORSE)

8th June 2024, UNFCCC SB60, Bonn



FULFILL project has received funding from the European Union's Horizon 2020 research and innovation programme.

New NDCs – New Opportunities

The NDCs for 2035 with update for 2030 are to be submitted 9-12 month before COP30 in 2025 (i.e.around end of 2024).

EU is developing one joint NDC for the 27 EU countries

Each of the 27 EU countries (+Ukraine) are developing a NECP (National Energy & Climate Plan). The27 NECPs shall add up to the EU NDC.

Drafts NECPs were ready in 2023, final versions to be submitted June 30, 2024.

In FULFILL, we analysed sufficiency in National Energy & Climate Policies (NECPs) in 4 EU countries

NECPs of
Denmark
France
Germany
Italy

Activities analysed
Buildings
Mobility
Products
Diets

Sufficiency policies in NECPs, overview

Reduce size and activity level

Only taxes, no direct measures except support for work from home (Germany, Italy)

Replace with less resource intensive use

Improve public transport & biking (all),
Ban short flights (France)
Save energy, move energy use in time (all)
More vegetables in diets (France, evt. Germany)
Repair label (FR), direct re-use stations (DK), wood buildings (Germany)

Organisational / sharing

Only vehicle sharing and renting (Germany, Italy)

Sufficiency in NECP vs. Proposals. Example: French Buildings

	French NECP, draft 2023	Proposals for more sufficiency
Reduce size and activity	(no measures to reduce building or dwelling sizes)	• Promote co-housing • Promote sharing of dwellings, renting out rooms • Assist moving to smaller flats • Promote well planned tiny house developments
Replace with less re-source inten-sive use	Fremch sufficiency plan including: • Promote programable . thermostats, lower/higher temp.(19‘C/26‘C) • Reduce excessive use of light • Dynamic electricity tariffs and smart meters, move electricity use in time	• Label for energy efficient behaviour • Moderate temperature in public buildings • Progressive tariffs for energy
Organi-sational	(no measures)	• Sharing as above • Reduce parking

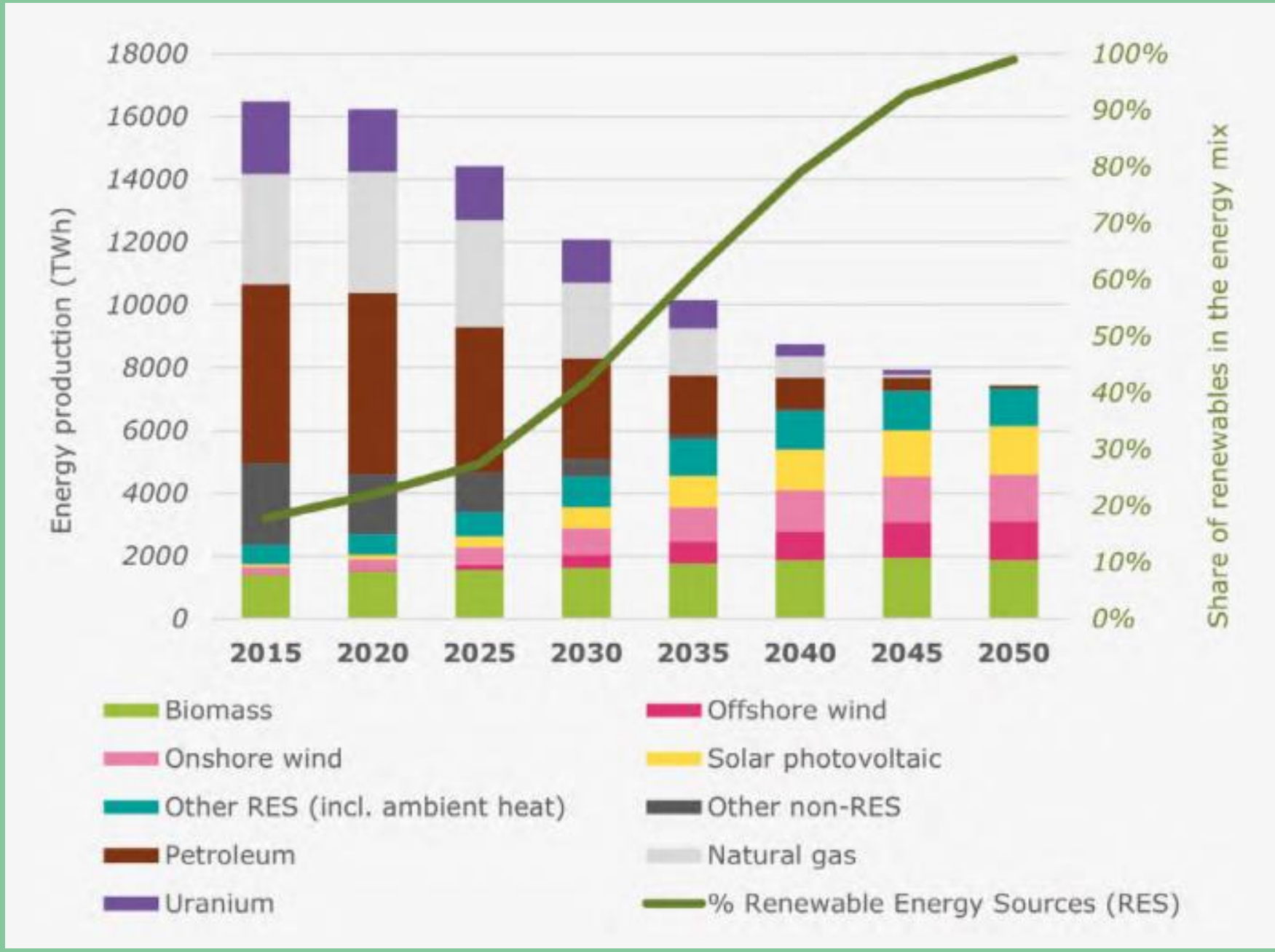
Sufficiency in NECP vs. Proposals. Example: German Mobility

	German NECP, draft 2023	Proposals for more sufficiency
Reduce size and Activity	• Gigabit internet strategy improve work from home • Aviation tax	• Allow two days// week work from home • Support moving closer to work • Urban planning to reduce travel
Replace with less re-source inten-sive use	• Investments in rail network • VAT in train reduced to 7% from 19% • 49€ ticket for local public transport • Tax exempt job ticket and bicycle • Promote rail freight, low track costs • Invest in bicycle infrastructure • Special depreciation cargo bikes	• Public transport VAT 0% • Ban short-haul flights
Organi-sational	• Tax relief for renting electric bicycles	• Promote car-pooling, bi-cycle + car sharing

Sufficiency in EU NDC to Paris Climate Agreement

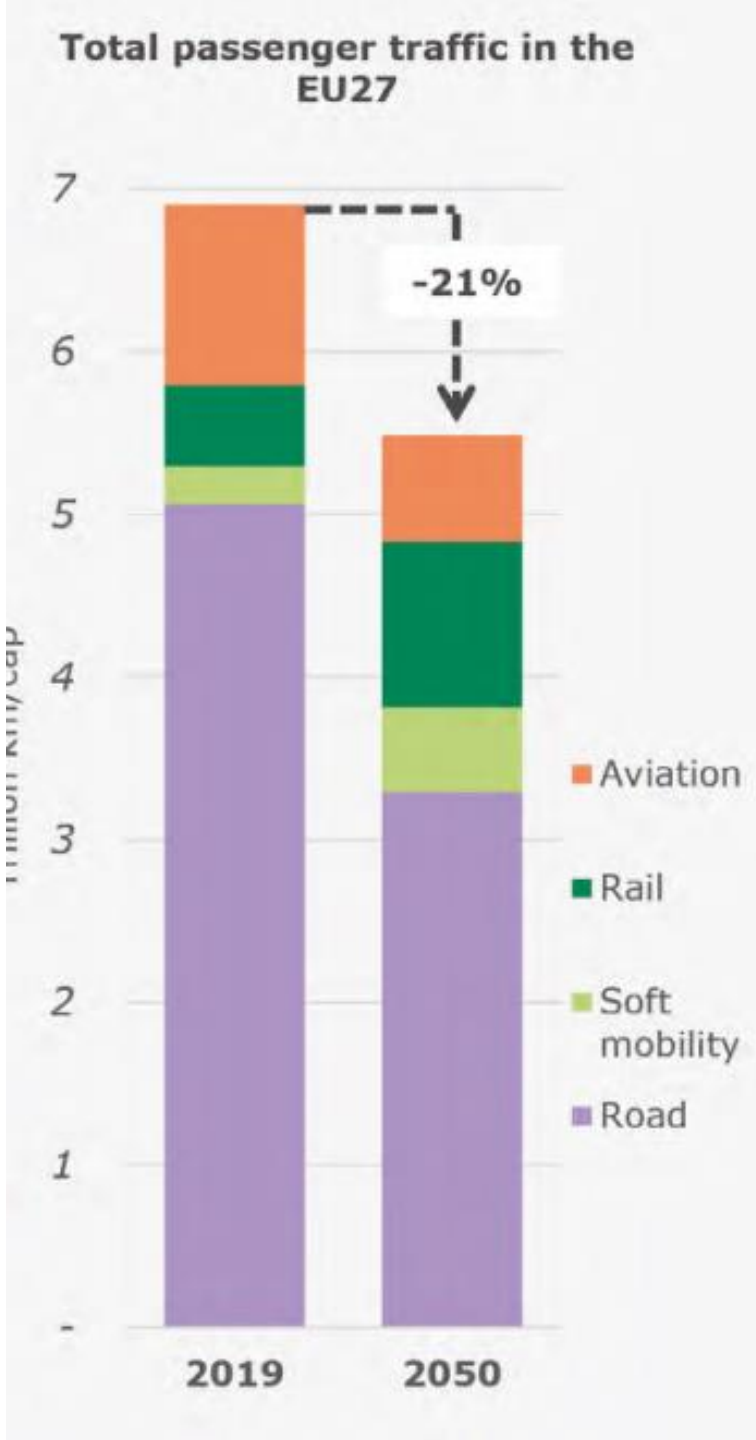
EU NDC 2023 Update from 2020	Proposals for more sufficiency
• Target of 30% reduction of GHG from EU budget funded activities	• Include sufficiency guidelines and requirements in EU funded activities
• Carbon pricing with ETS, in aviation and coming in transport + heating	• Aviation tax (fuel tax, passenger tax) • Support transborder railways
	• Sufficiency in product regulation (ecodesign, labelling)
	• Support national sufficiency policies and measures, all sectors

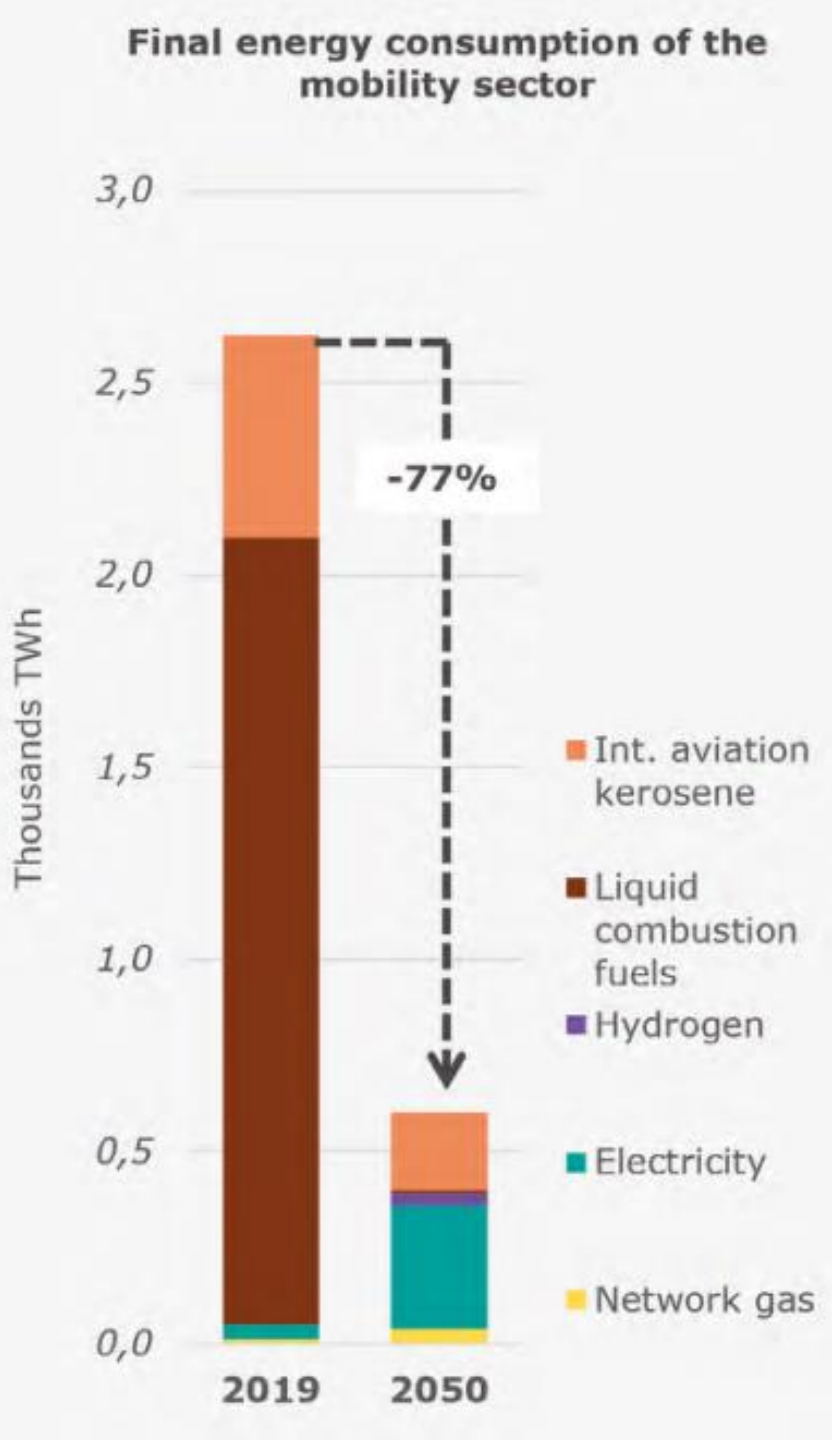
CLEVER SCENARIO: Moving EU to 100% renewable energy with energy efficiency and sufficiency

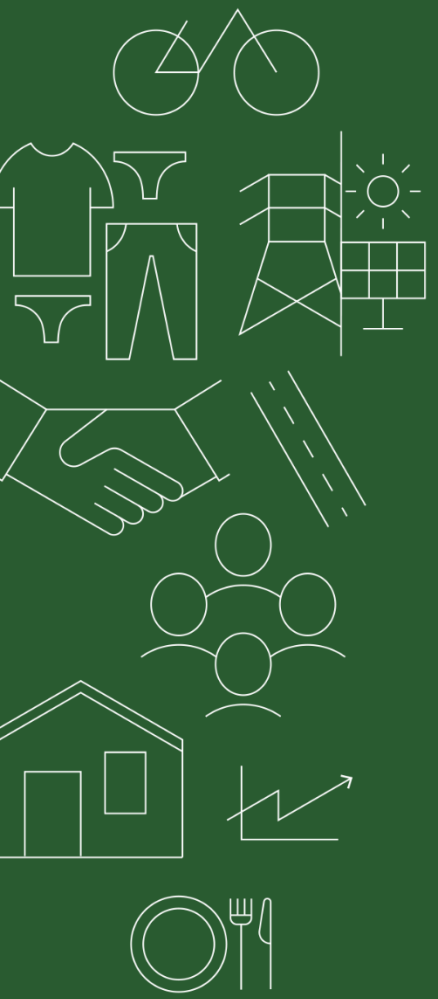


Sufficiency in personal transport enables large reduction in energy needs

European CLEVER energy scenario







Sufficiency can be useful in <u>all</u> countries

Specific sufficiency measures can help all countries in climate action and to overcome development problems:

- Policies for siting of functions (as housing, shops, workplaces, schools) closer to each other will reduce transport demand and reduce congestion
- Policies to suppport soft transport and collective transport will also reduce congestion and will reduce inequality in mobility
- Policies to eat more plant based food will improve health

Some countries already started as India’s Mission LIFE -

- Lifestyle for Environment

The emission gap to reach 1.5‘C is 19-22 $GtCO_2e$ in 2030, 1/3 of current emissions

New NDCs must close the emission gap

Sufficiency policies give more opportunities that can help countries to meet the emission gap,
– include them in the coming NDCs

Thank you for your attention

Final Event of FULFILL project

September, 18th 2024
presentation of findings + networking

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More info: www.fulfill-sufficiency.eu
www.inforse.org/SB60.php
www.unfccc.int

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