



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

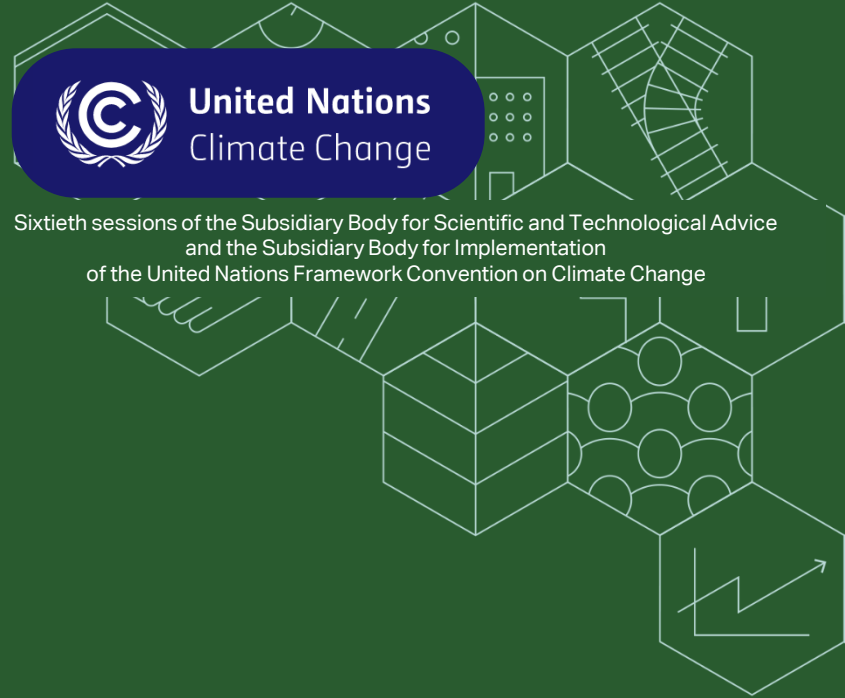


Founded by the European Union



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

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



What is Sufficiency? Better with Less!

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Energy expert and spokesperson
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8 June 2024



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



“**Sufficiency** policies are a set of measures and daily practices that **avoid demand for energy, materials, land and water (...)**”



Selection and preparation of the primary resource



Transformation




Delivery of final energy to end user




Conversion into useful energy

Individual and collective action on uses

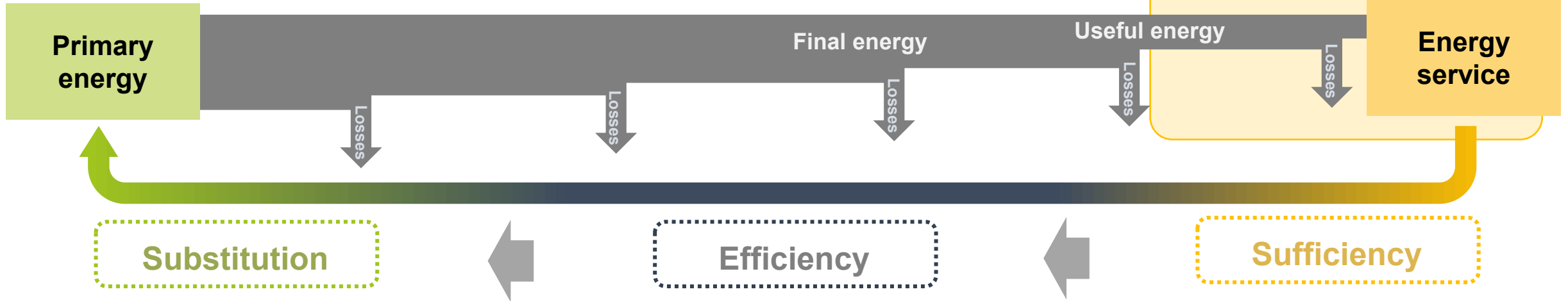


Design and dimensioning



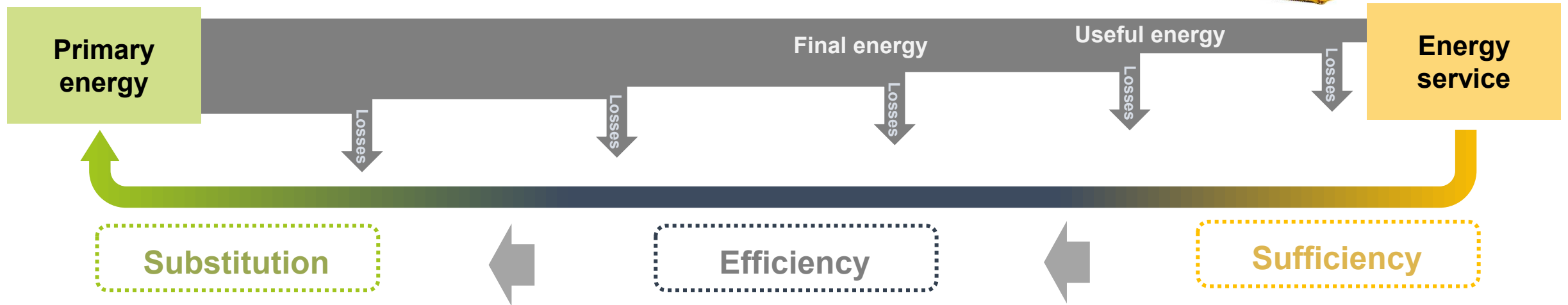
Conditions of use

Energy service

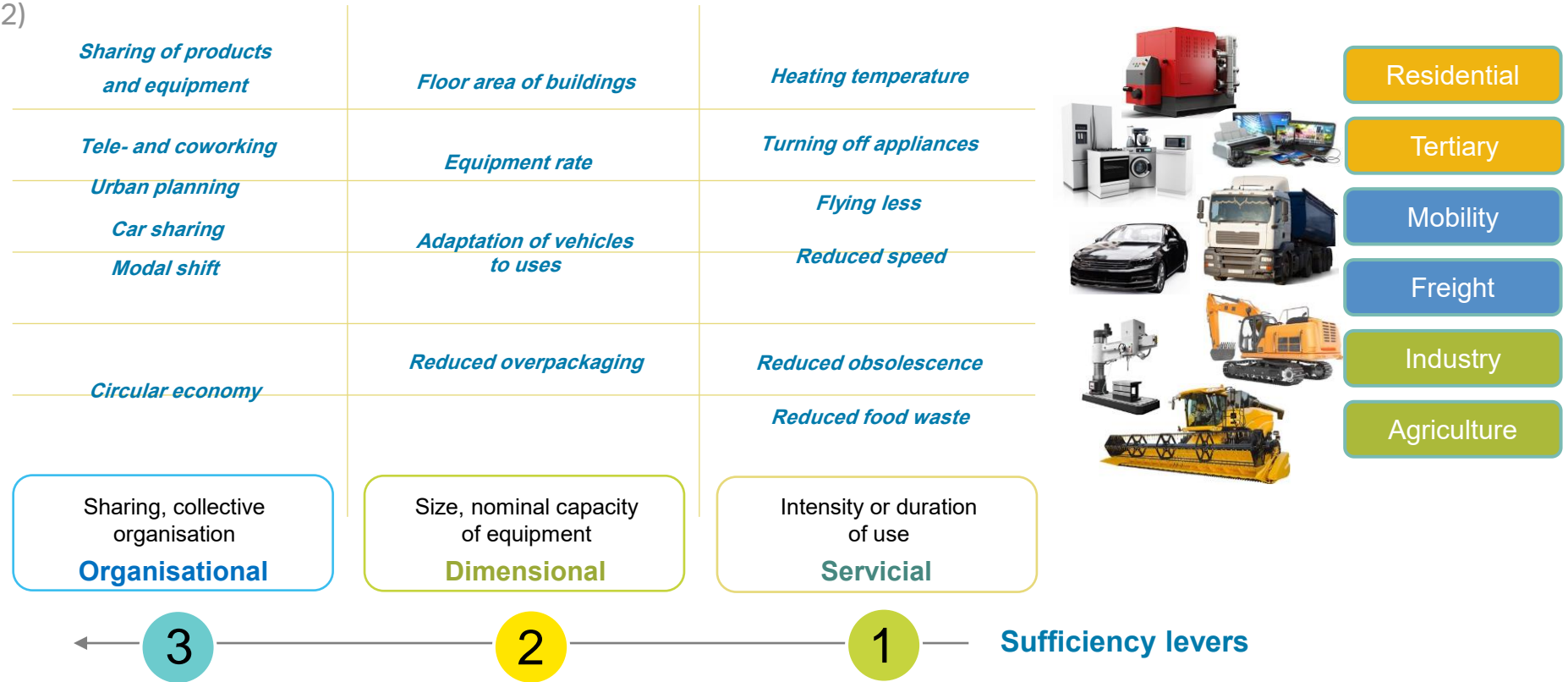


“Sufficiency policies are a set of measures and daily practices

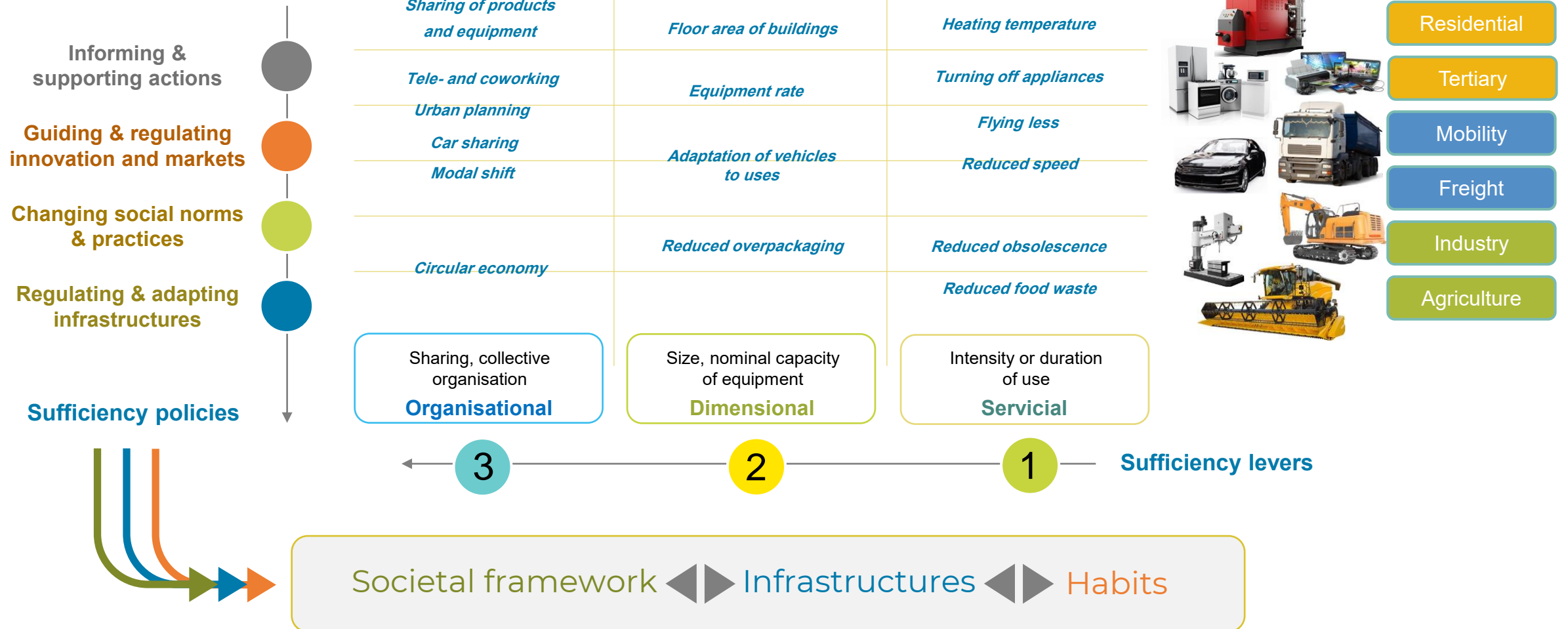
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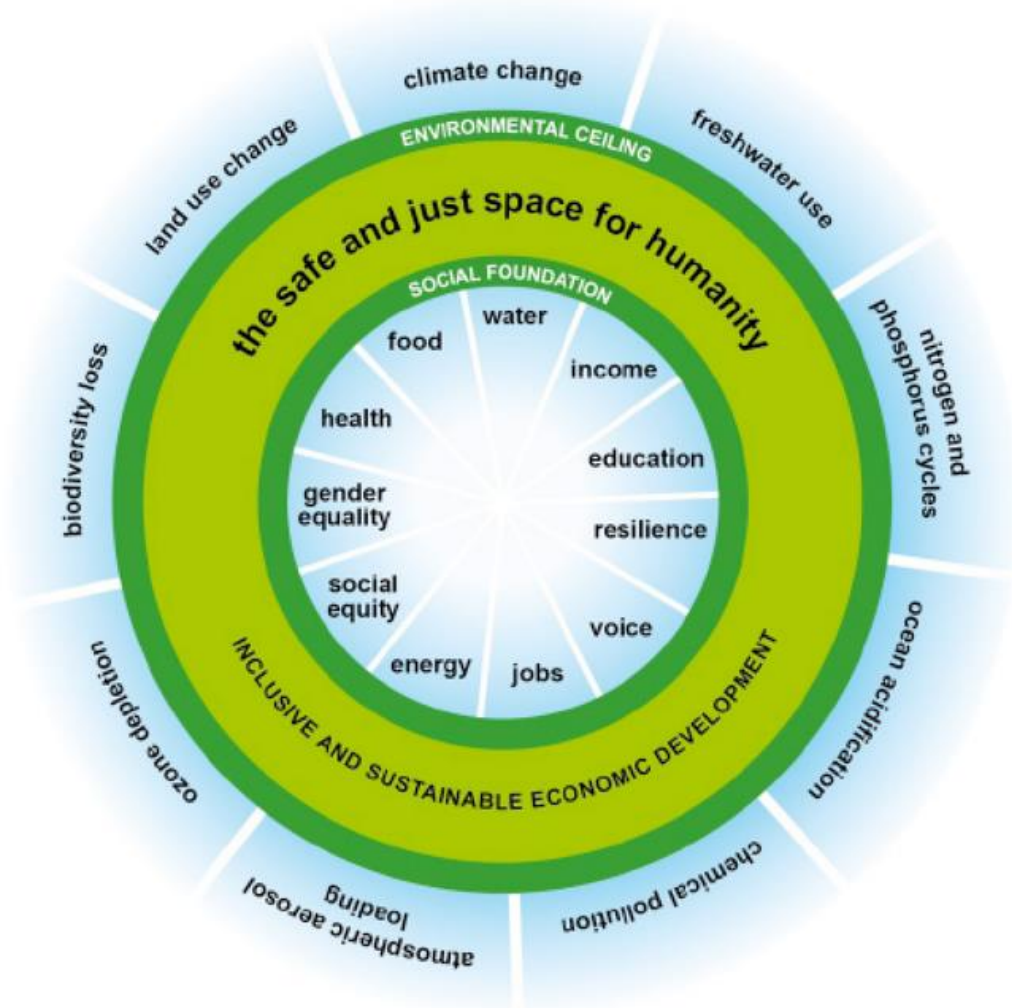
“**Sufficiency** policies are a set of measures and daily practices that **avoid demand for energy, materials, land and water (...)**”



“Sufficiency policies are a set of measures and daily practices that avoid demand for energy, materials, land and water (...)”



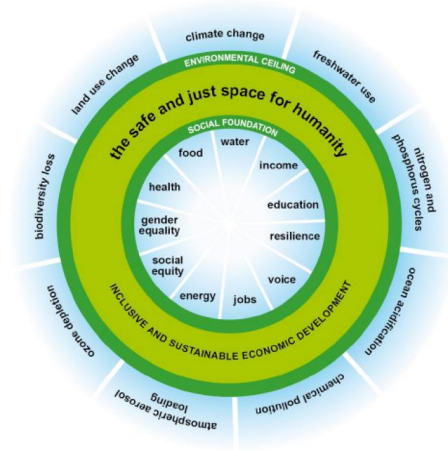
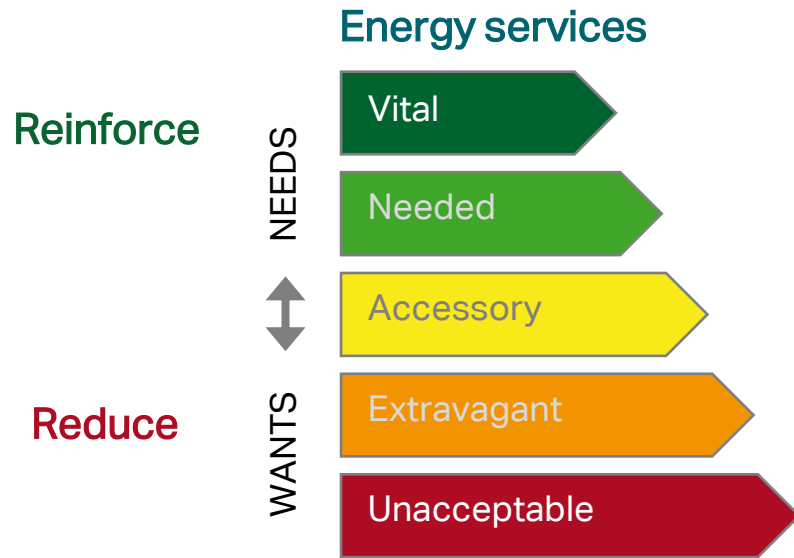
“Sufficiency policies are a set of measures and daily practices that avoid demand for energy, materials, land and water while delivering human well-being for all within planetary boundaries.”



Doughnuts economics (Raworth, 2018)

“**Sufficiency** policies are a set of measures and daily practices that **avoid demand for energy, materials, land and water** while **delivering human well-being** for all **within planetary boundaries**.”

Ensuring a fairer distribution of access to services within collective limits



Rethinking activities,
 between the ceiling
 of environmental limits
 and the floor of
 decent living conditions

“**Sufficiency** policies are a set of measures and daily practices that **avoid demand for energy, materials, land and water** while **delivering human well-being for all within planetary boundaries.**”

Ensuring a fairer distribution of access to services within collective limits

Reinforce

Energy services

NEEDS

Vital

Needed

↕

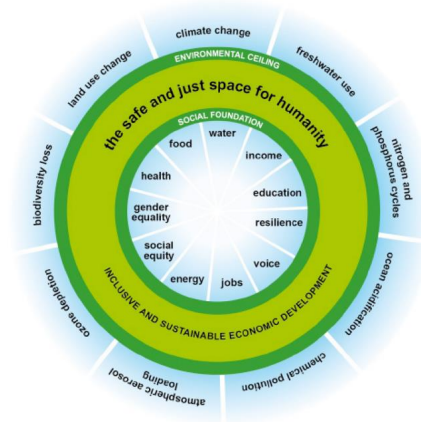
Accessory

WANTS

Extravagant

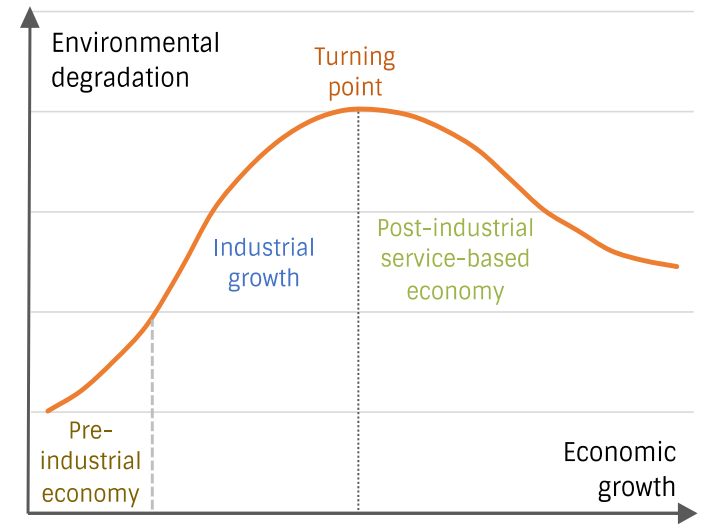
Ruduce

Unacceptable



Rethinking activities, between the ceiling of environmental limits and the floor of decent living conditions

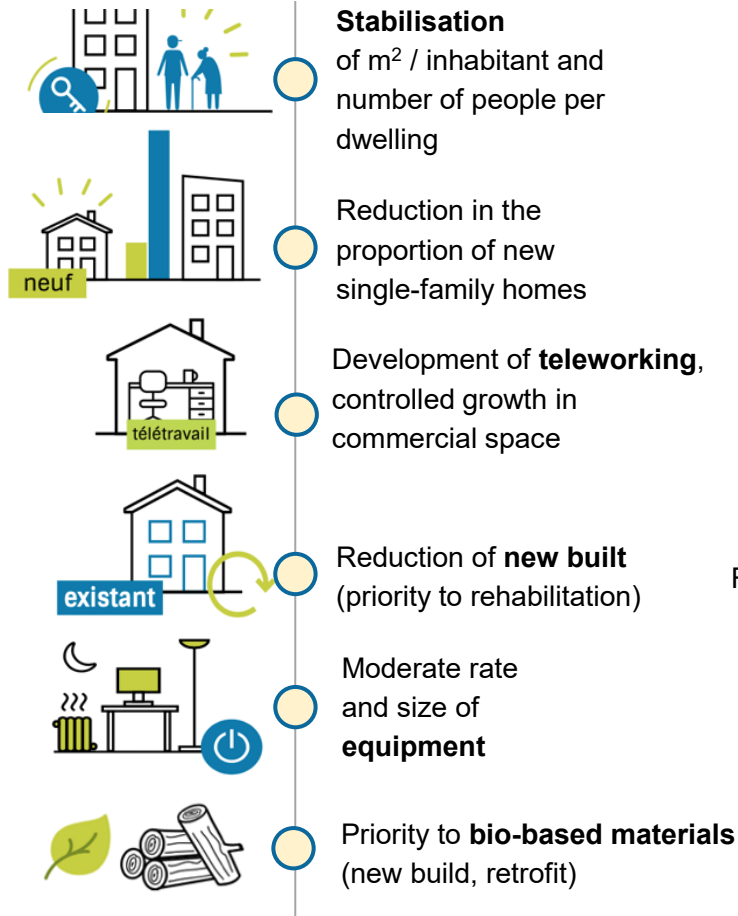
Developing ways to create value by protecting and sharing resources rather than predated and destroying them



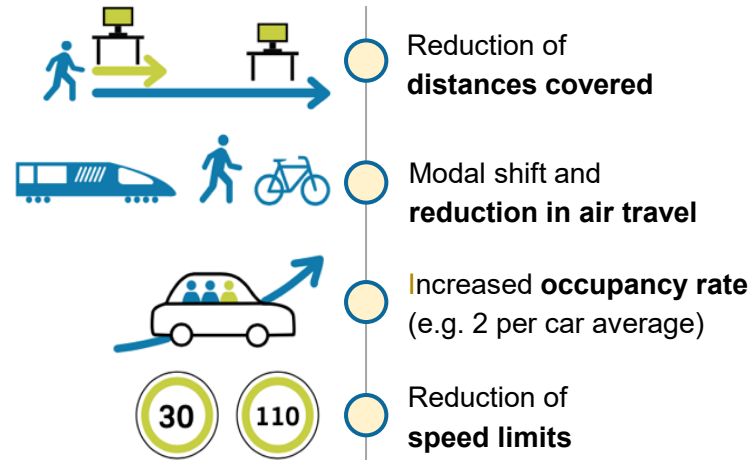
Impact of sufficiency: the French nW2022 scenario

Impact of sufficiency on final energy: **-20% by 2050** through a structural and progressive implementation

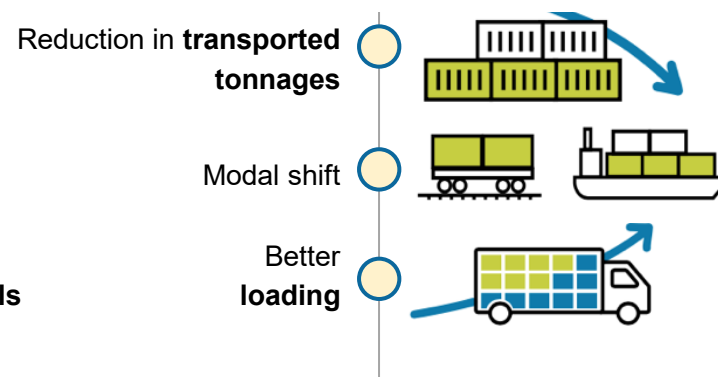
Buildings



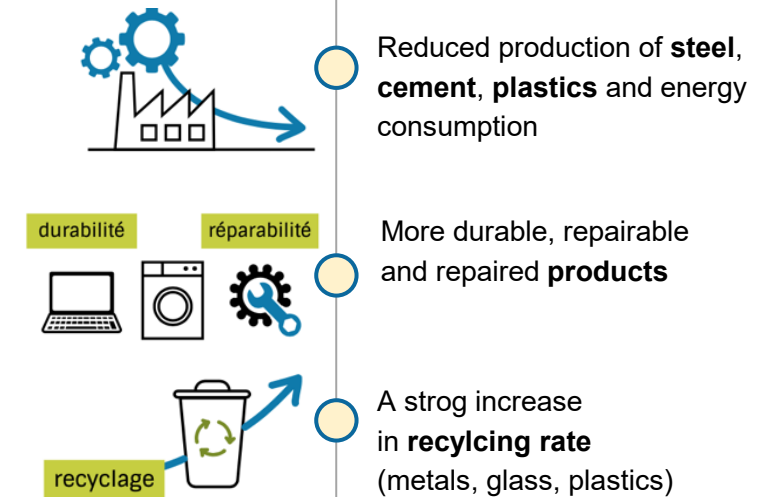
Mobility



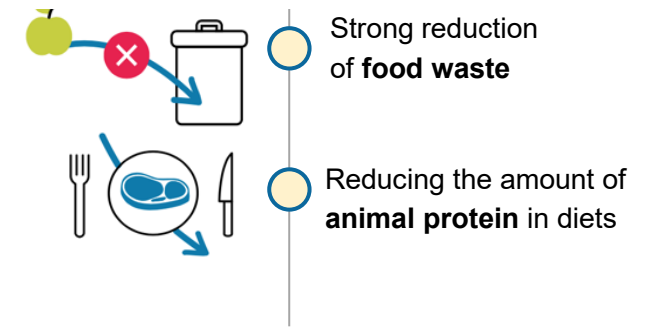
Freight



Industry



Agriculture



Impact of sufficiency: the French nW2022 scenario

17 Sustainable Development Goals (SDGs) of the United Nations (2015)



Sufficiency contributes

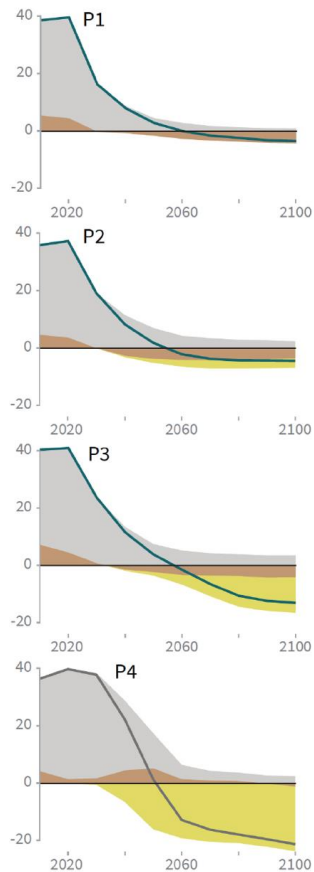
- ODD 7 100 % local renewables
- ODD 13 Carbon neutral footprint
- ODD 12 -30 % on raw materials footprint
- ODD 14 Reduced pressure on biodiversity
- ODD 15 Reduced pressure on biodiversity
- ODD 3 Positive health impacts
- ODD 1 Reduced energy poverty, enhanced social justice
- ODD 10 Reduced energy poverty, enhanced social justice
- ODD 8 600.000 net jobs (new economic dynamics)
- ODD 16 Reduced tensions etc.

Impact of sufficiency: the French ADEME scenarios



(SR15 – Oct. 2018)

CO₂ emissions of 1.5°C pathways



— Net CO2 emissions
 ● Fossil fuel and industry
 ● AFOLU
 ● BECCS



TRANSITION(S)
2050
 CHOISIR MAINTENANT
 AGIR POUR LE CLIMAT



S1 GÉNÉRATION FRUGALE



S2 COOPÉRATIONS TERRITORIALES

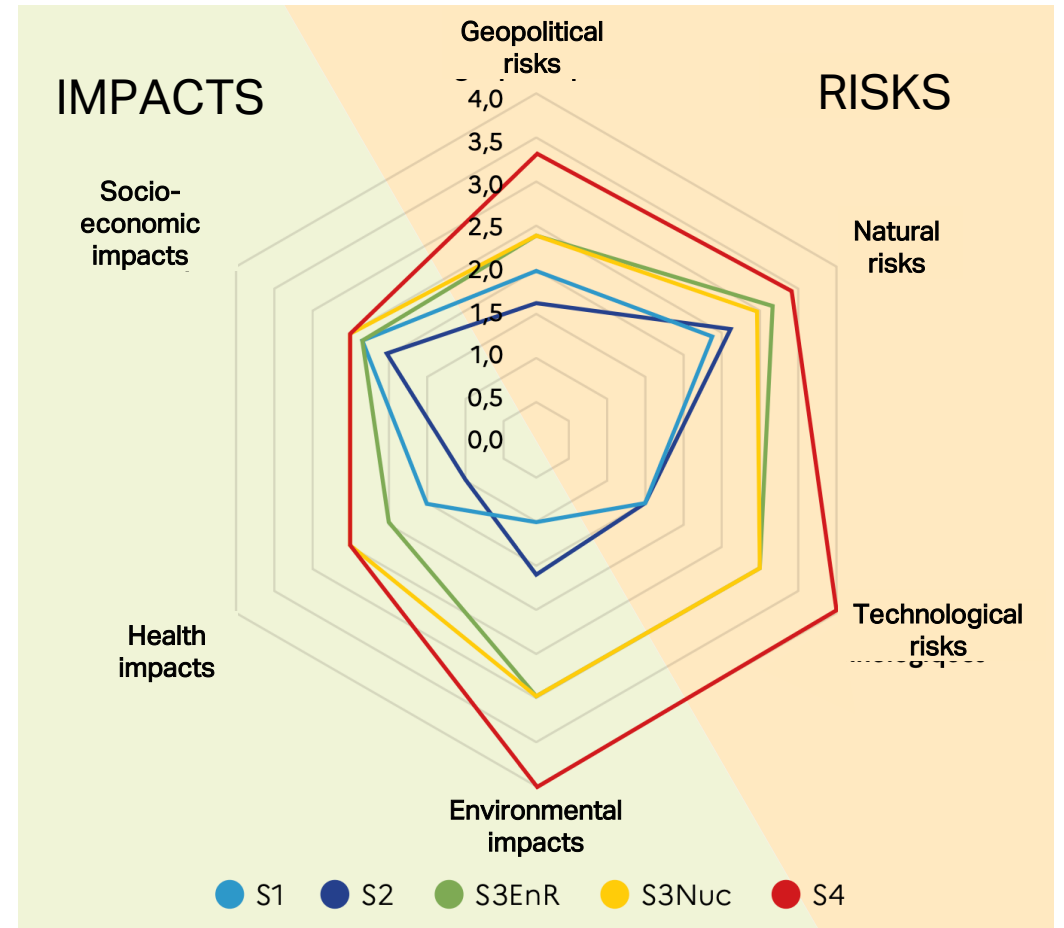


S3 TECHNOLOGIES VERTES



S4 PARI RÉPARATEUR

Sufficiency reduces exposure to endogenous and exogenous risks



etc.

Identified sufficiency policies exist that allow to target all sectors, players and

More than **330 sufficiency-related policies and measures** found in literature



sector
political target / strategy
measure / action
policy instrument

Cross-sectoral and sectoral policies, targeting various sufficiency levers, using the whole range of policy instruments

A comprehensive set of proposals to develop an **EU strategy for sufficiency**



Transport / mobility

Investment in infrastructures, modal shift, local urban planning, car sharing...



Energy, buildings and spatial planning

Optimising use of existing buildings, net-zero land take, progressive energy tariffs...



Materials, products, food

Material footprint reduction targets, circular economy, product design rules...



Cross-sectoral: information, taxation and finance

Public campaigns, regulated advertisement, redistributive taxation practices, funding schemes...

Thank you for your attention

Final Event of FULFILL project

September, 18th 2024
presentation of findings + networking



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Belgium & online



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



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