

# The age of plenty is over Scarcity is the new normal

Antonella Battaglini

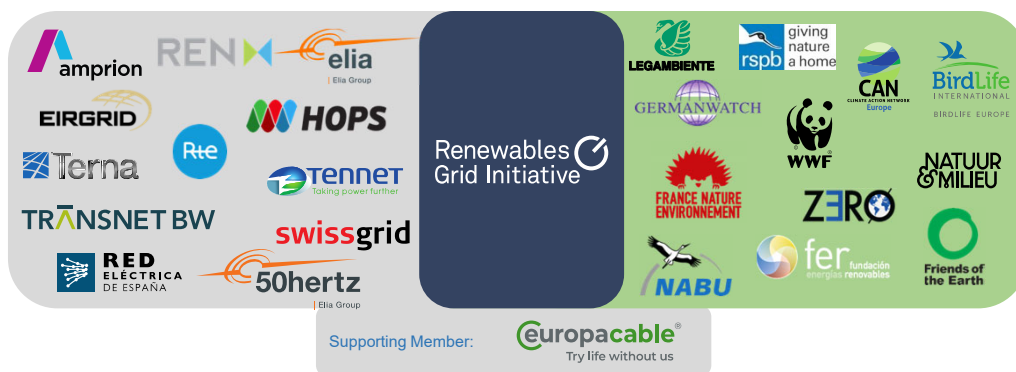
2022

Renewables Grid Initiative

16/06/2022 1

## RGI – a unique cooperation between industry and civil society

RGI is a unique collaboration of NGOs and TSOs from across Europe engaging in an 'energy transition ecosystem-of-actors'. We promote fair, transparent, sustainable grid development to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.



Members:

- amprion
- REN
- elia
- EIRGRID
- HOPS
- Terna
- Rte
- Tennet
- TRÄNSNET BW
- swissgrid
- RED ELÉCTRICA DE ESPAÑA
- 50hertz

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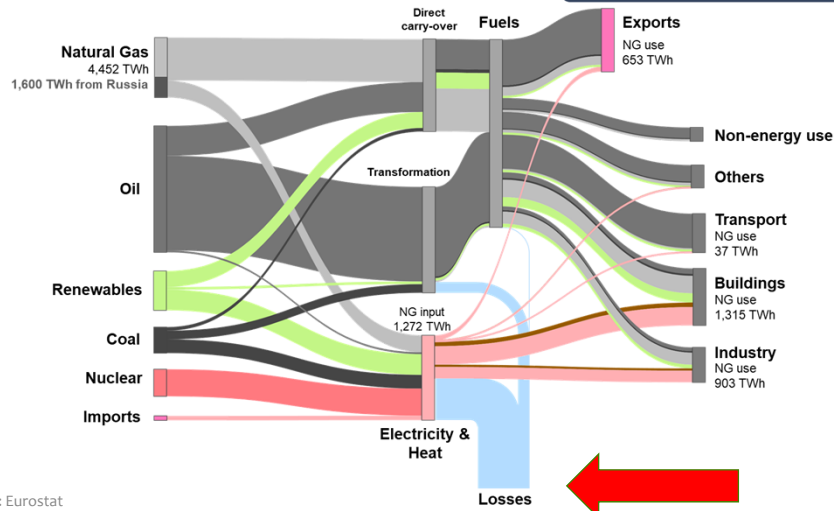
Supporting Member: europacable®  
Try life without us

NGOs:

- LEGAMBIENTE
- rsbp
- giving nature a home
- GERMANWATCH
- CAN
- BirdLife INTERNATIONAL
- WWF
- FRANCE NATURE ENVIRONNEMENT
- NABU
- fer
- fundación renovables
- NATUUR & MILIEU
- Friends of the Earth

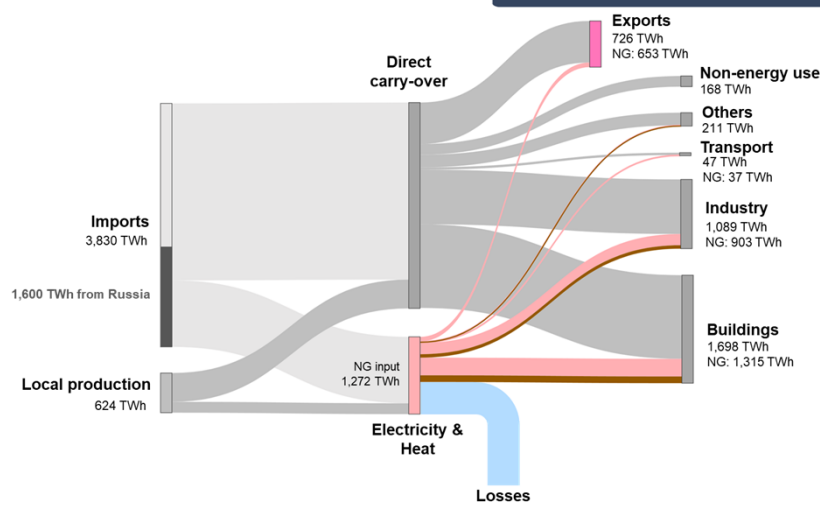
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## Energy balance flow EU-27, 2020



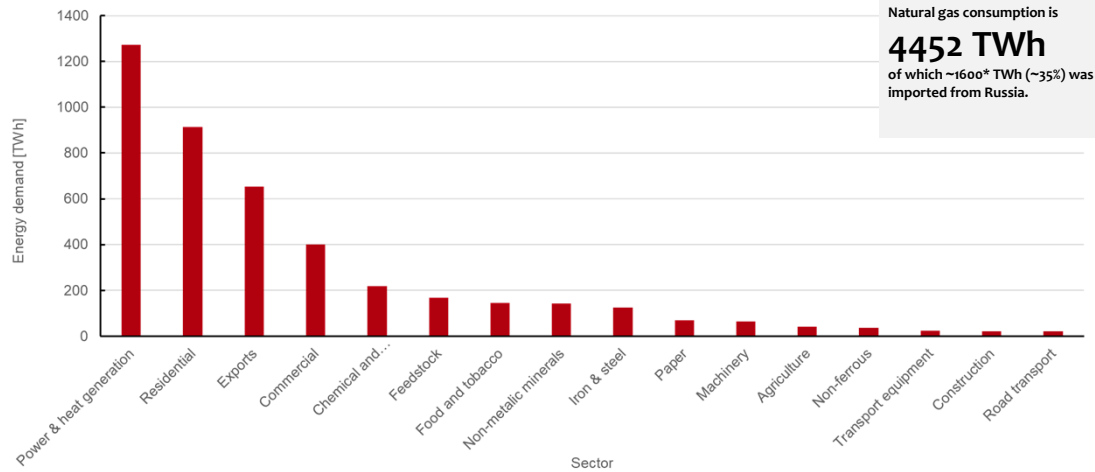
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## Natural gas balance flow EU-27, 2020



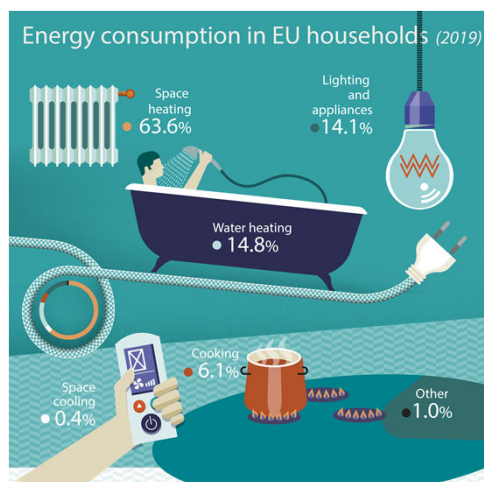
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## Natural gas use per sector EU-27, 2020

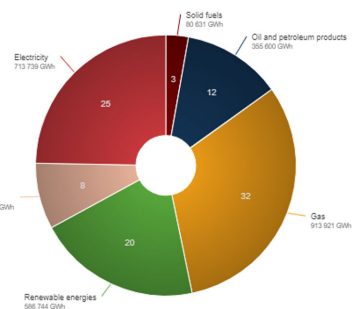


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## Consumers at the centre of the energy transition



Fuels going into Households  
European Union (27 countries) 2020

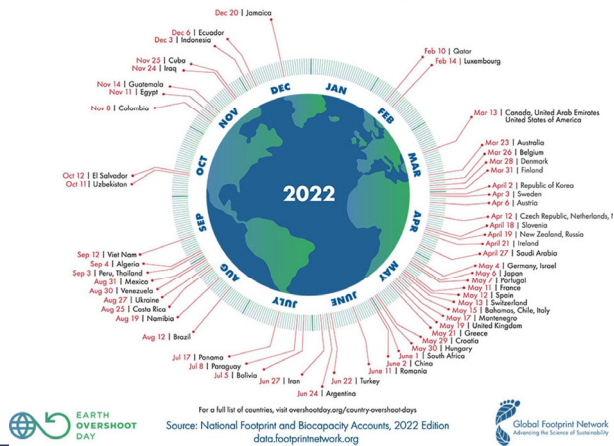


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# Scarcity

## Country Overshoot Days 2022

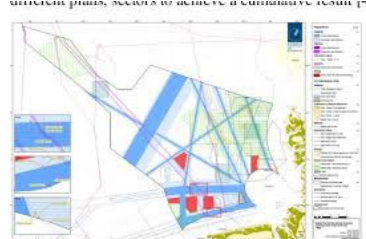
When would Earth Overshoot Day land if the world's population lived like...



source: WWF Japan and Global Footprint Network

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# Scarcity



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## Back to Energy

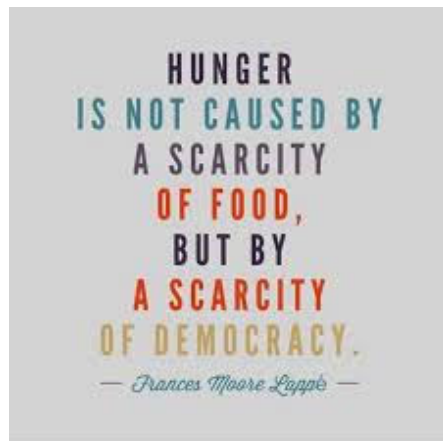


There is no scarcity of energy, only waste

## Key ingredients for reaching 2050

- **Space matters:** spatial planning supported by sensitivity mapping is urgently needed at continental scale
- **Integrated planning:** needed to deal with scarcity & shortages
- **Remove waste:** optimise processes across economies. No love affairs with H2
- **Electrify everything**
- **Scale and speed up RES and Flexibility deployment**
- **Shorten supply chains**
- **Focus on the demand side & replace millions of machines**

## Scarcity & Distribution



## In complexity we can find solutions



Thank you!



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