



EUROPE-WIDE LANDFILL BAN ON WIND TURBINE BLADES BY 2025

Our 600+ members make wind energy work

Wind Turbine manufacturers



Wind farm developers



Power utilities



Component manufacturers



Digital solutions & service providers



EPC, installation and logistics



Financial & legal services



Research institutes



Energy buyers

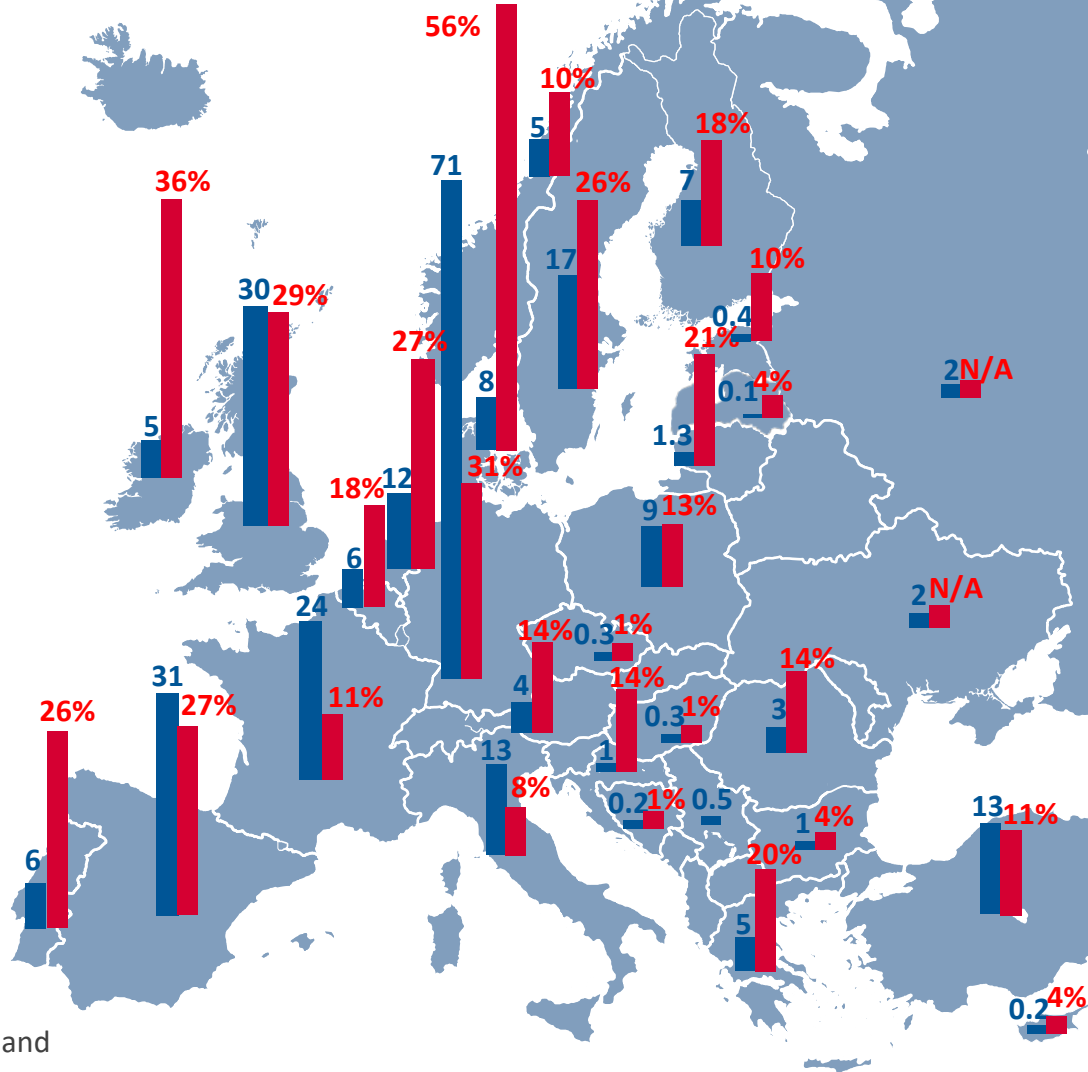


Wind energy in Europe

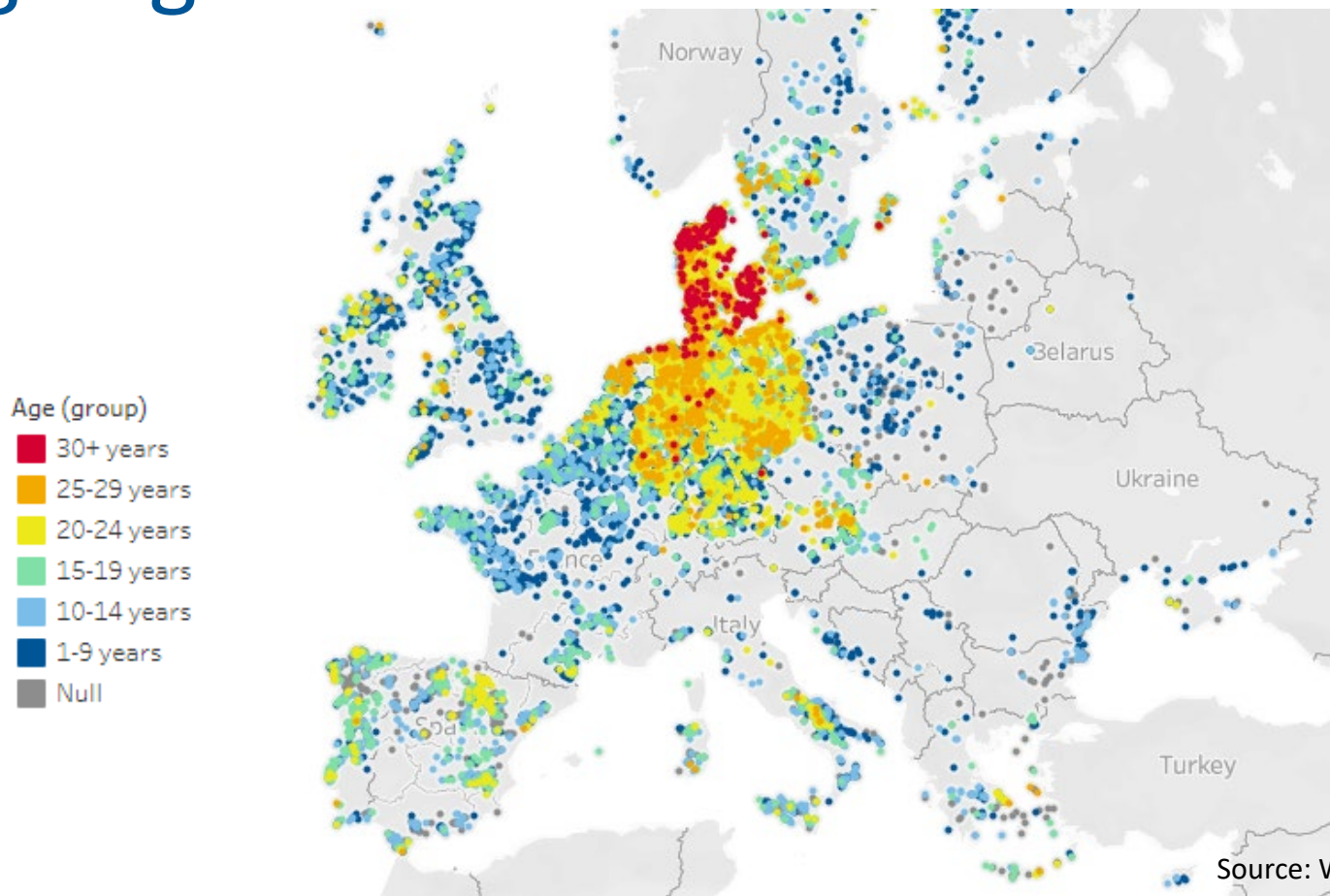
278 GW

20%
of Europe's
electricity demand

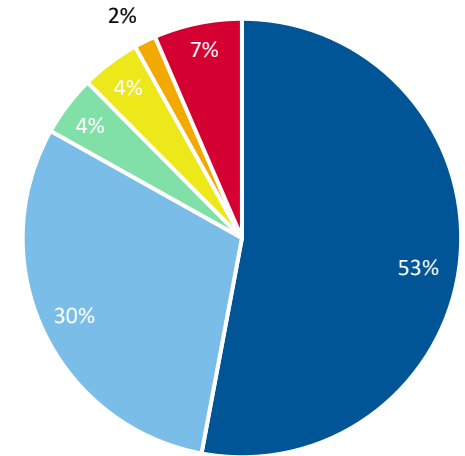
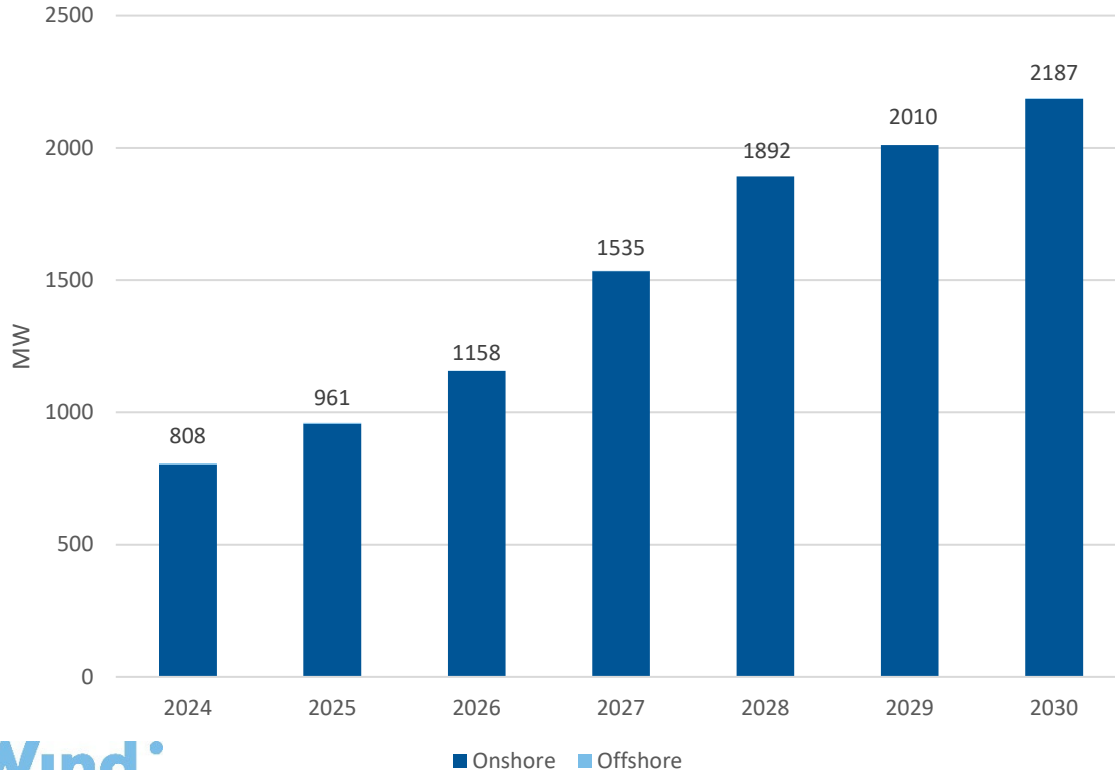
- GW installed
- Wind share of electricity demand



An ageing onshore fleet

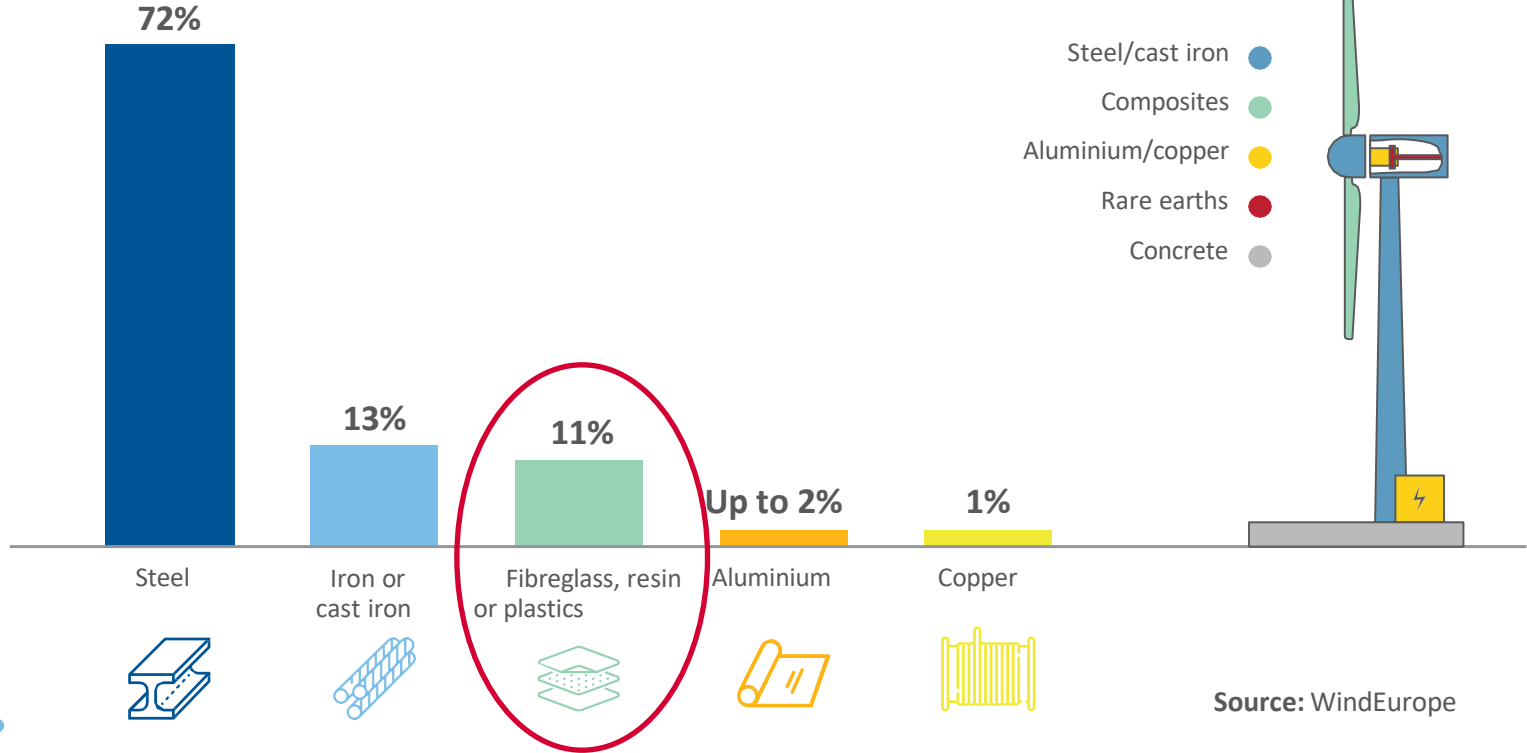


Decommissioning Outlook



Materials used in wind turbines

Share of materials by volume



How to treat end-of-life turbines ?

Keep parts for longer.
Design for easier dismantling and recycling.
Minimise number of materials in design manufacture.

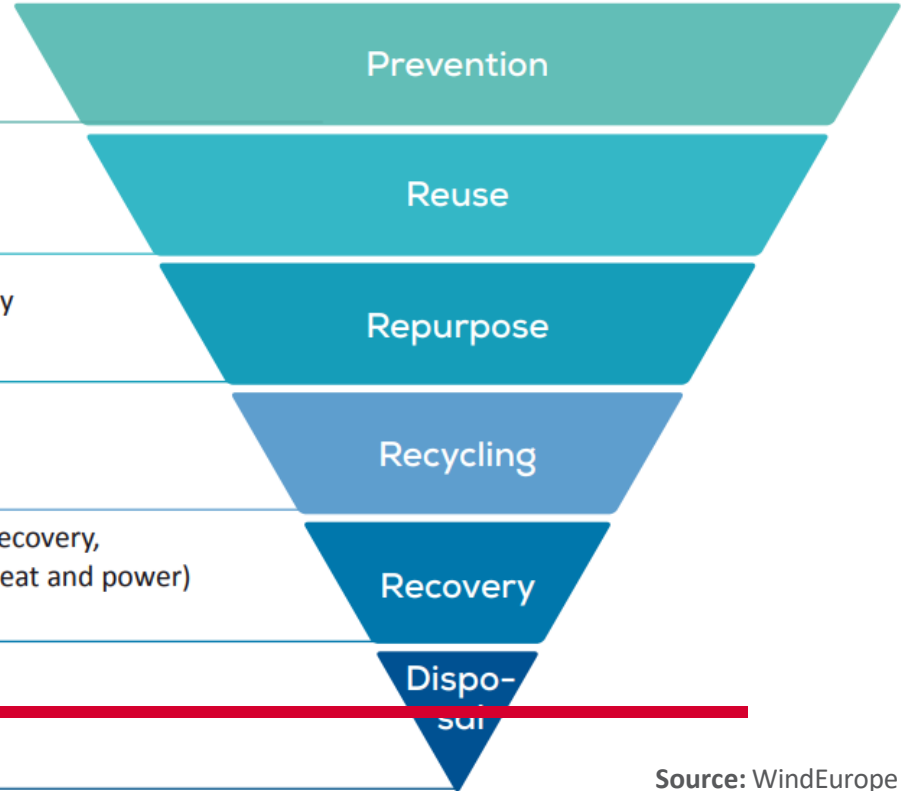
Check, clean, repair, refurbish, repair whole items
or spare parts.

Re-use an existing part for a different application, usually
of lower value than the original.

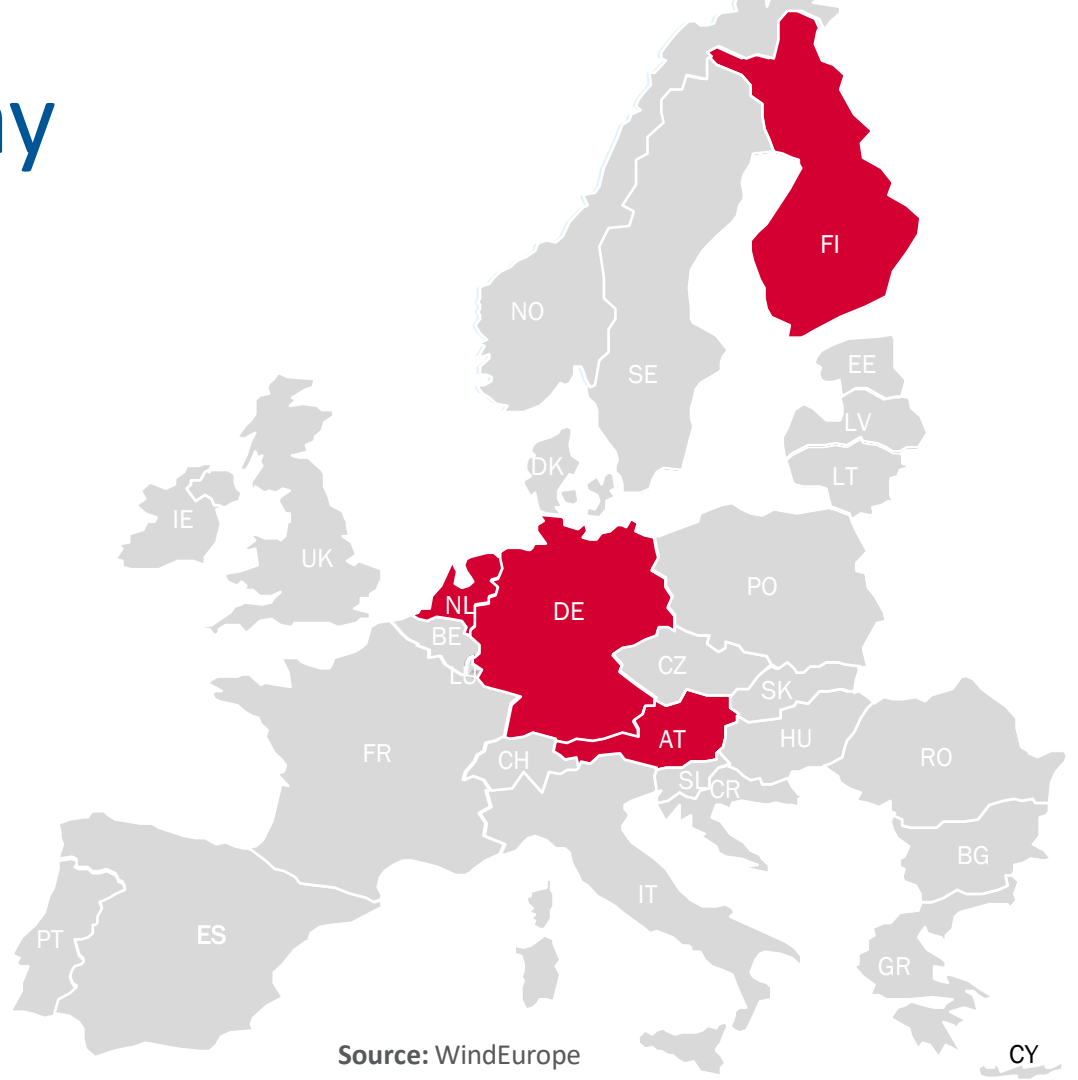
Convert waste into a new substance or product.
Includes composting if it meets protocols.

Includes anaerobic digestion, incineration with energy recovery,
gasification and pyrolysis which produce energy (fuels, heat and power)
and materials from waste.

Landfill and incineration without energy recovery.



Landfill ban today



Source: WindEurope

EU-wide landfill ban on blades



The wind industry calls for a Europe-wide landfill ban on decommissioned wind turbine blades by 2025. This means the industry commits to re-use, recycle or recover 100% of decommissioned blades (...). The ban should also apply to other large composite components that can be found in the nacelle.

What should industry do ?



Landfill ban position paper

'Appropriate reporting metrics will be developed to increase transparency over the treated waste volumes and support monitoring.' (p.8)

End-of-Life Issues & Strategies Seminar 2024

4-5 December • Gothenburg



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**TO SEE THE
PROGRAMME**

THANK YOU!

If you have further questions, please contact me at gianmarco.gioffre@windeurope.org

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