

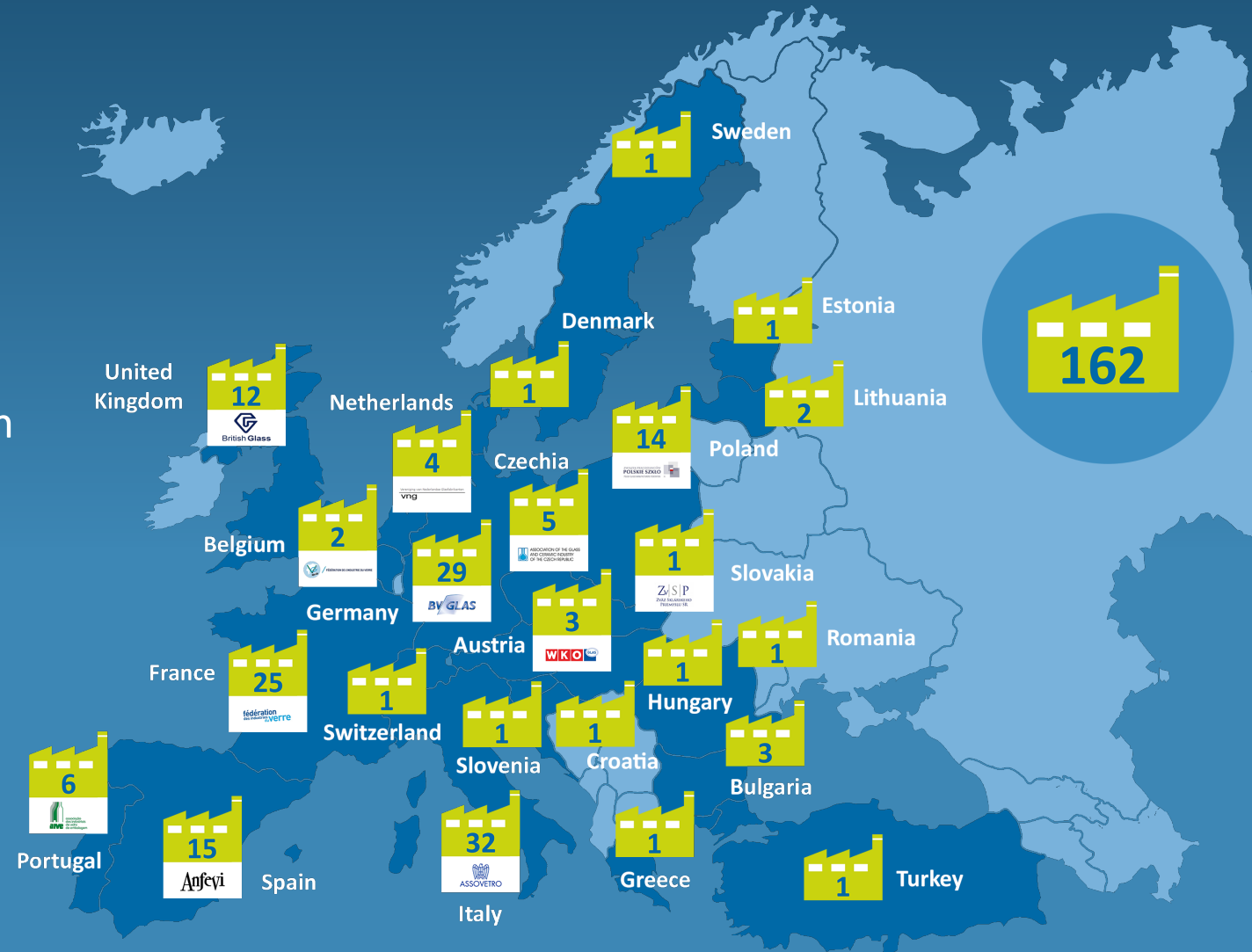
Zero Waste Europe Webinar on glass packaging

10 October 2023

OUR FOOTPRINT IN EUROPE

Our industry in numbers:

- **125,000** jobs (40,000 direct)
- **162** plants in 23 countries
- FEVE represents over **90%** of the European glass container manufacturing industry
- **€600 million** invested annually in energy efficiency, decarbonisation and upgrades
- Products packed in glass: **€250 billion** contribution to EU external trade



Observations on the study

- Study assumes decarbonisation is a choice.
- Decarbonisation is mandatory by law to maintain the right to operate in the EU
 - Climate Law: – 62% CO₂ reduction for ETS sectors by 2030 and Climate Neutral by 2050
 - ETS CO₂ bubble will be 0% by 2039
- Risk factors the report highlights for CO₂ emissions, while relevant in the past, are not relevant in a carbon neutral world.





THE STUDY IGNORES THAT WE ARE UNDERGOING A CLIMATE NEUTRAL ENERGY REVOLUTION. TODAY OUR CO₂ EMISSIONS COME FROM:

1

Combustion of natural gas :

~80%

Solutions:
Green energy (Electrification, hydrogen, biomass)

The Furnaces for the Future



A vision for climate-neutral packaging

2

Virgin raw materials:

~20%

Solution:
More recycled glass

'Close the Glass Loop'

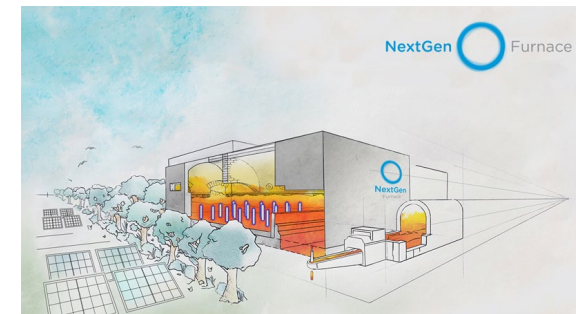


The European ambition to collect glass more and better, together



Furnaces of the Future – One vision, many pathways

- Verallia's 100% electric furnace in Cognac, France 2023
- O-I's GOAT furnace deployment programme 2022 to 2030, the "Magma" greenfield site in US and prototype, Germany 2023
- Gerresheimer's hybrid furnace, Germany 2023
- Verescence's electric furnace, France 2025
- Encirc's Hydrogen fueled furnace, UK 2027
- Ardagh's Next Gen Hybrid furnace, Germany 2023
- More here: <https://feve.org/glass-industry/projects/furnace-future/>



The study ignores...

- The study is too narrowly focused on CO2 emissions and weight as indicators of sustainability. As a result, the study ignores:
 - Closed loop recycling
 - Raw material sustainable sourcing
 - Food quality preservation and shelf life
 - Impact of marine littering
 - Contamination of the food chain
 - Migration & leaching of chemical substances from packaging to food and the environment



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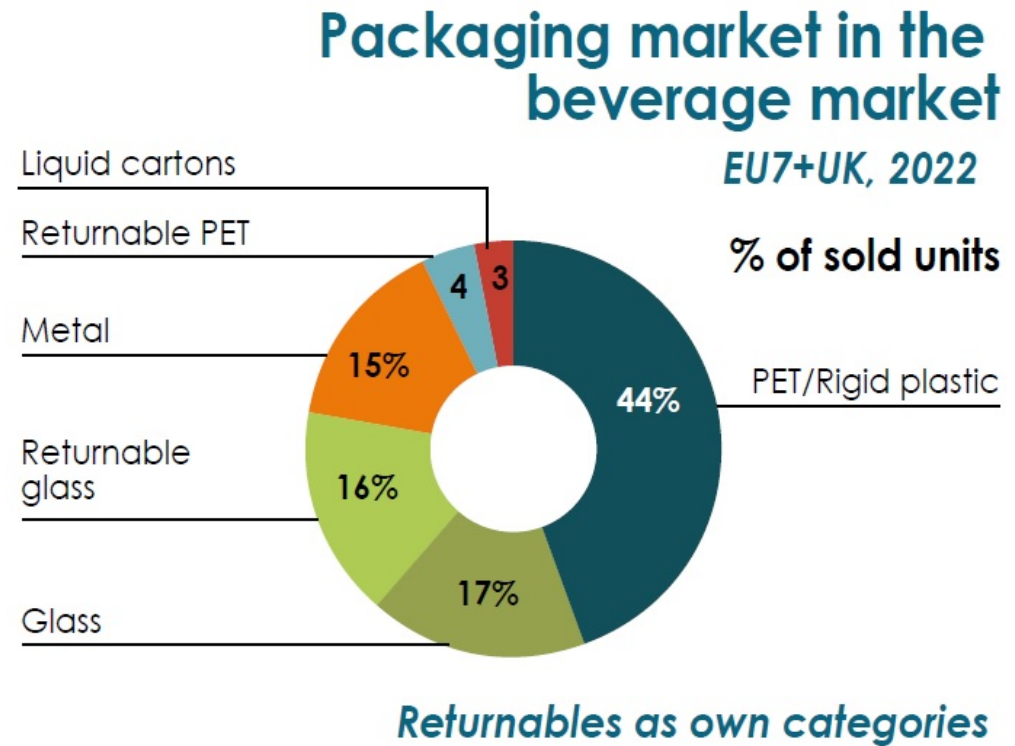
“Safety and sustainability concepts are directly interlinked: in order for food packaging to be truly sustainable it needs to be safe for both human and environmental health”

Zero Waste Europe



Glass is leader in reuse already – Year 2022

- ▶ **Glass is the most returnable/reuseable packaging material:**
 - ▶ Glass makes up only 1/3 of the beverage packaging market for 2022.
 - ▶ Almost half of beverage glass containers used were returnable/reuseable (in a sample of 7 EU Member States + the UK).
 - ▶ No other packaging material recorded such a considerable share of returnable containers (PET 4% returnable).
- ▶ **Glass is one of the most recyclable packaging materials**



Source: Authors' elaboration based on Euromonitor



Packaging & Packaging Waste Regulation



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- A simplistic overall weight reduction target will have unintended consequences



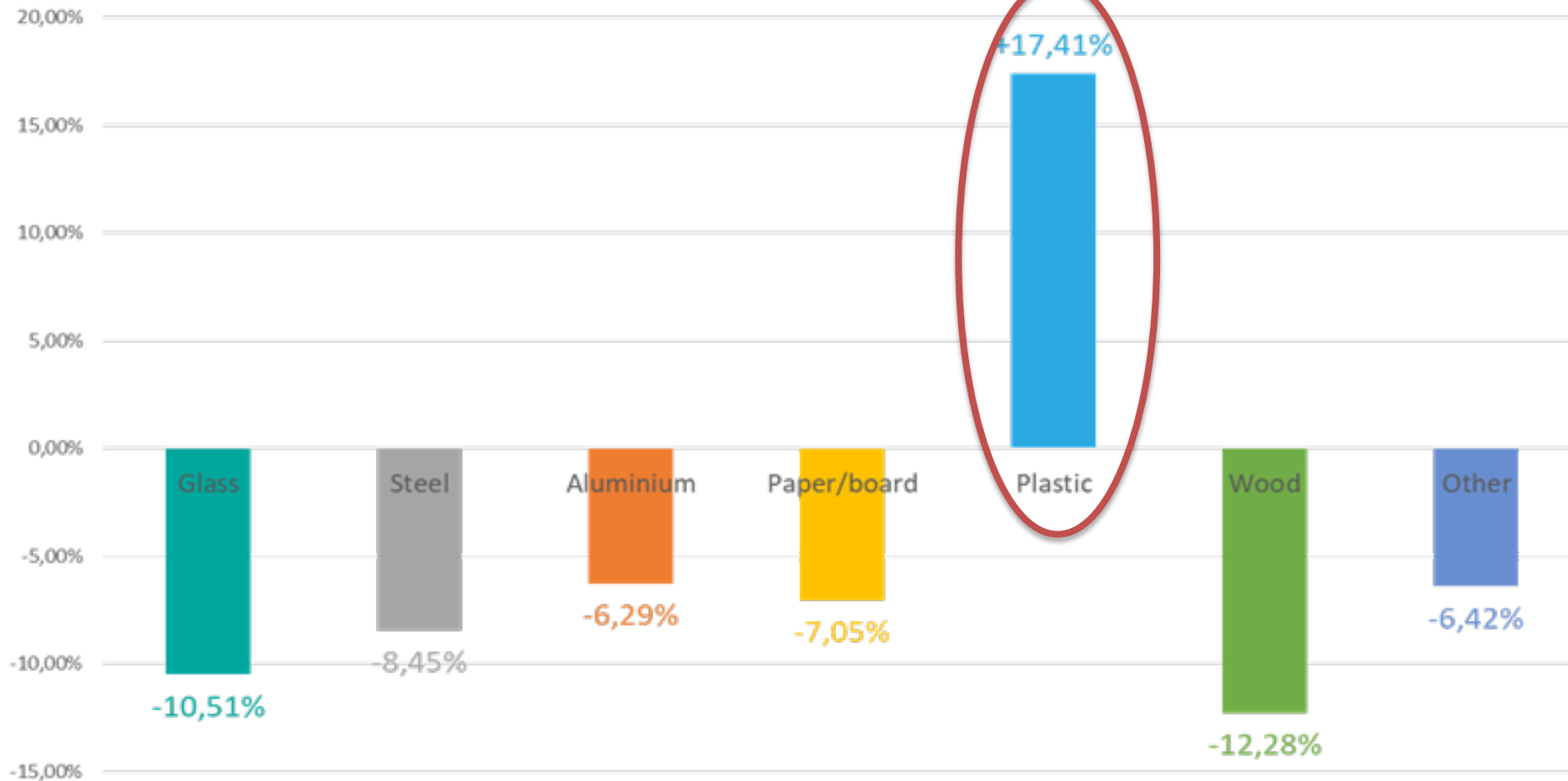
Packaging & Packaging Waste Regulation

- Overpackaging should be addressed.
- A simplistic overall weight reduction target will have unintended consequences
- The Commission's own analysis suggests that a policy overly focussed on weight reduction will increase the amount of plastic put on the market



Packaging & Packaging Waste Regulation

Generation of packaging waste 2030 with measure 2B vs. 2018 baseline



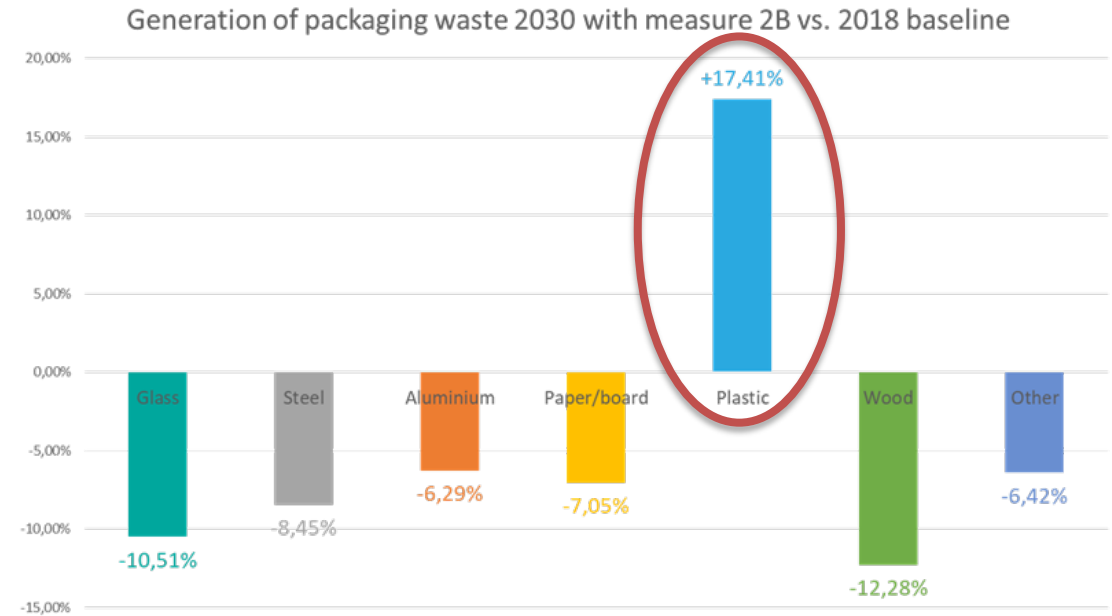
All packaging materials will reduce except plastics

Source: EU Commission Impact Assessment



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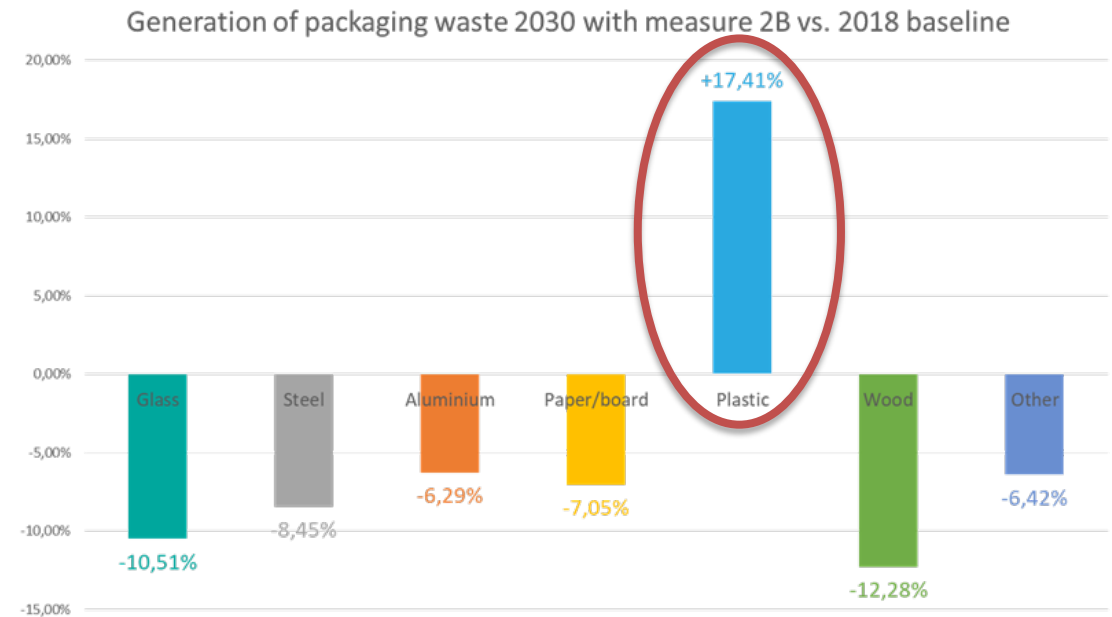


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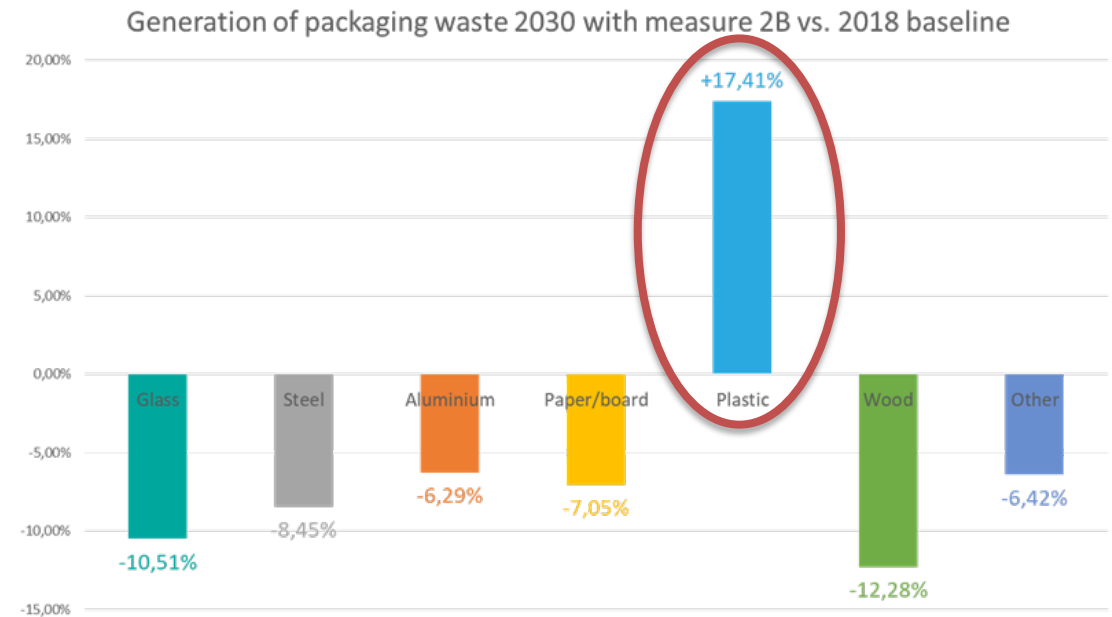


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All packaging materials will reduce except plastics

We agree with ZWE that material specific waste reduction targets should be set for all materials to ensure fair effort sharing



Packaging & Packaging Waste Regulation

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 - call to introduce 90% collection targets for all materials



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- We support reuse as complementary to one way packaging
- Packaging minimisation should support diversity of design and IPR rights



Does glass have a future? – Yes!

- Glass is not just about CO2
 - sustainably sourced raw materials abundant in nature
 - non-toxic and inert
 - Safe for human and environmental health
 - a single-layer material
 - versatile – it can be a one-way (Recycled) or returnable (Reused) packaging



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- We would like to work with you to achieve this





THANK YOU



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