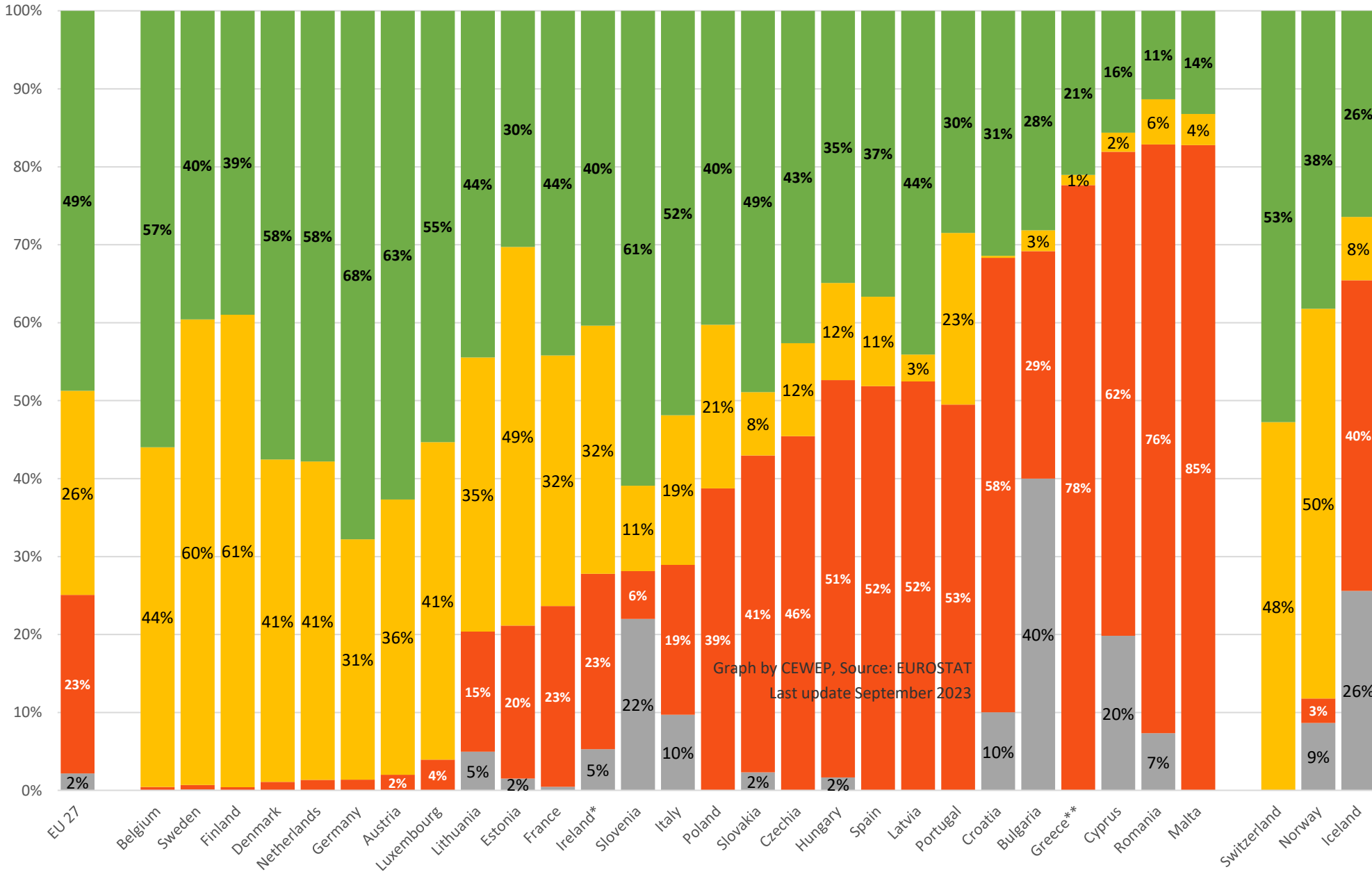


cewep Confederation of European
Waste-to-Energy Plants

A worker wearing an orange hard hat and safety vest is inspecting a glowing yellow light fixture mounted on a red industrial panel. The worker is looking intently at the light. To the right, there is a white electrical control box with a red warning symbol and some text. The background shows more industrial equipment and pipes.

European Session

Municipal waste treatment in 2021



- Landfill
- Waste-to-Energy
- Recycling
- +Composting
- Missing data

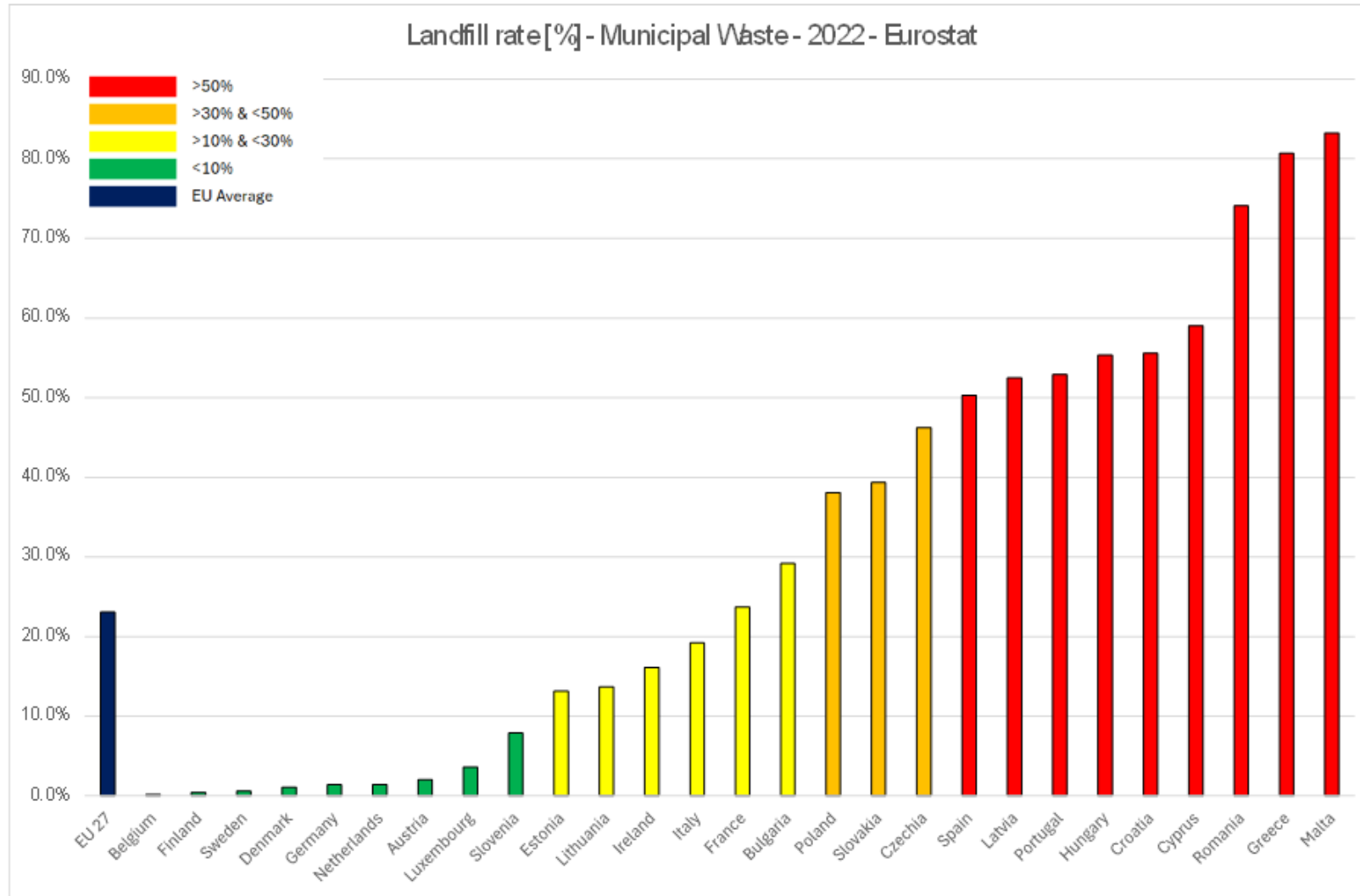


Graph by CEWEP, Source: EUROSTAT
Last update September 2023

Percentages are calculated based on the municipal waste reported as generated in the country

*: last available data 2020
**: last available data 2021

Waste and landfill targets in EU



Landfill Directive, Article 5:

Member States shall take the necessary measures to ensure that **by 2035 the amount of municipal waste landfilled is reduced to 10% or less** of the total amount of municipal waste generated (by weight).

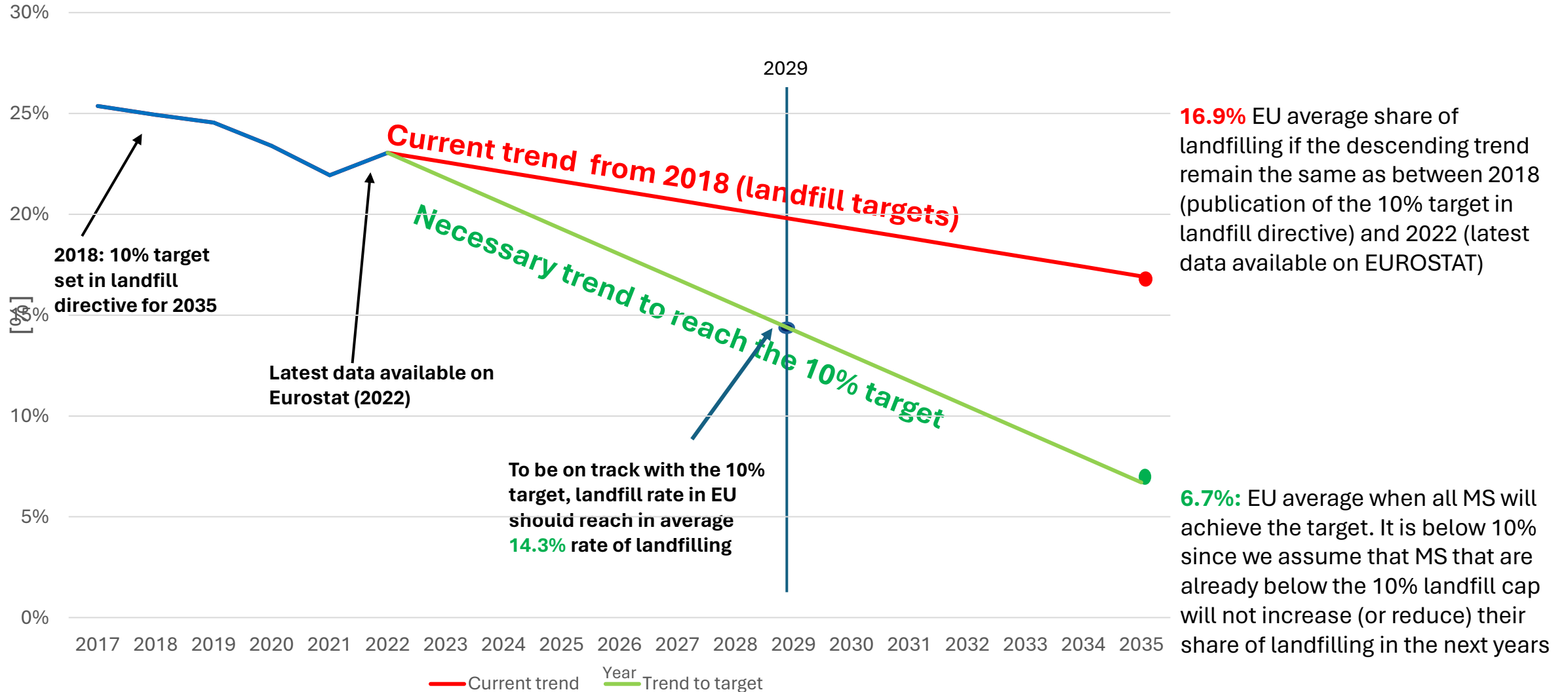
Currently (latest Eurostat Update: 2022) only 9 MS of EU27 are below 10% of landfilling compared to the waste generated and **9 MS landfill more than 50%**.

Average EU landfill rate is **23.1%**

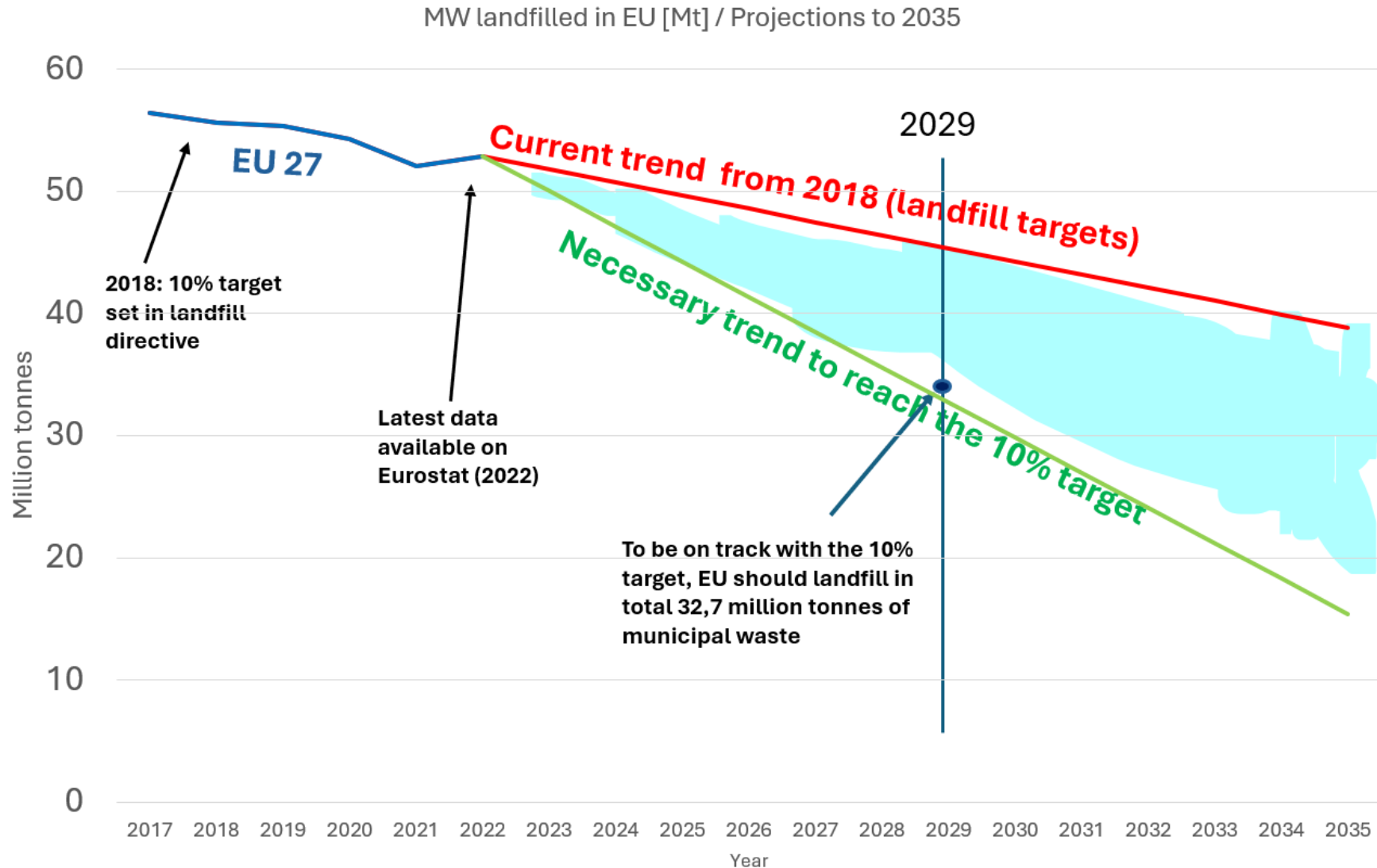
This corresponds to a total amount of **52.9 million tonnes of municipal waste landfilled every year.**

Waste and landfill targets in EU

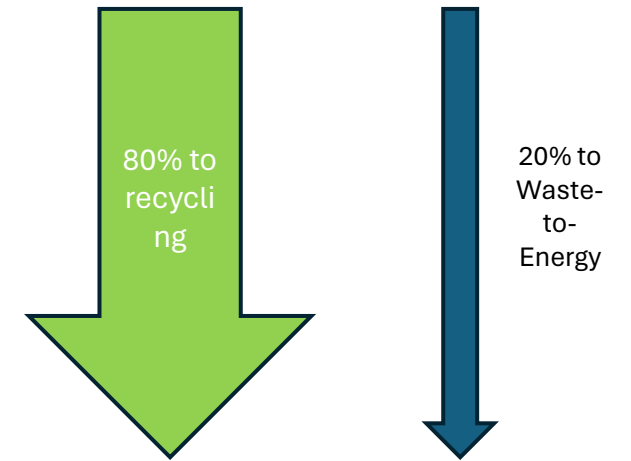
Landfilling rate in EU [%] / Projections to 2035



Waste and landfill targets in EU



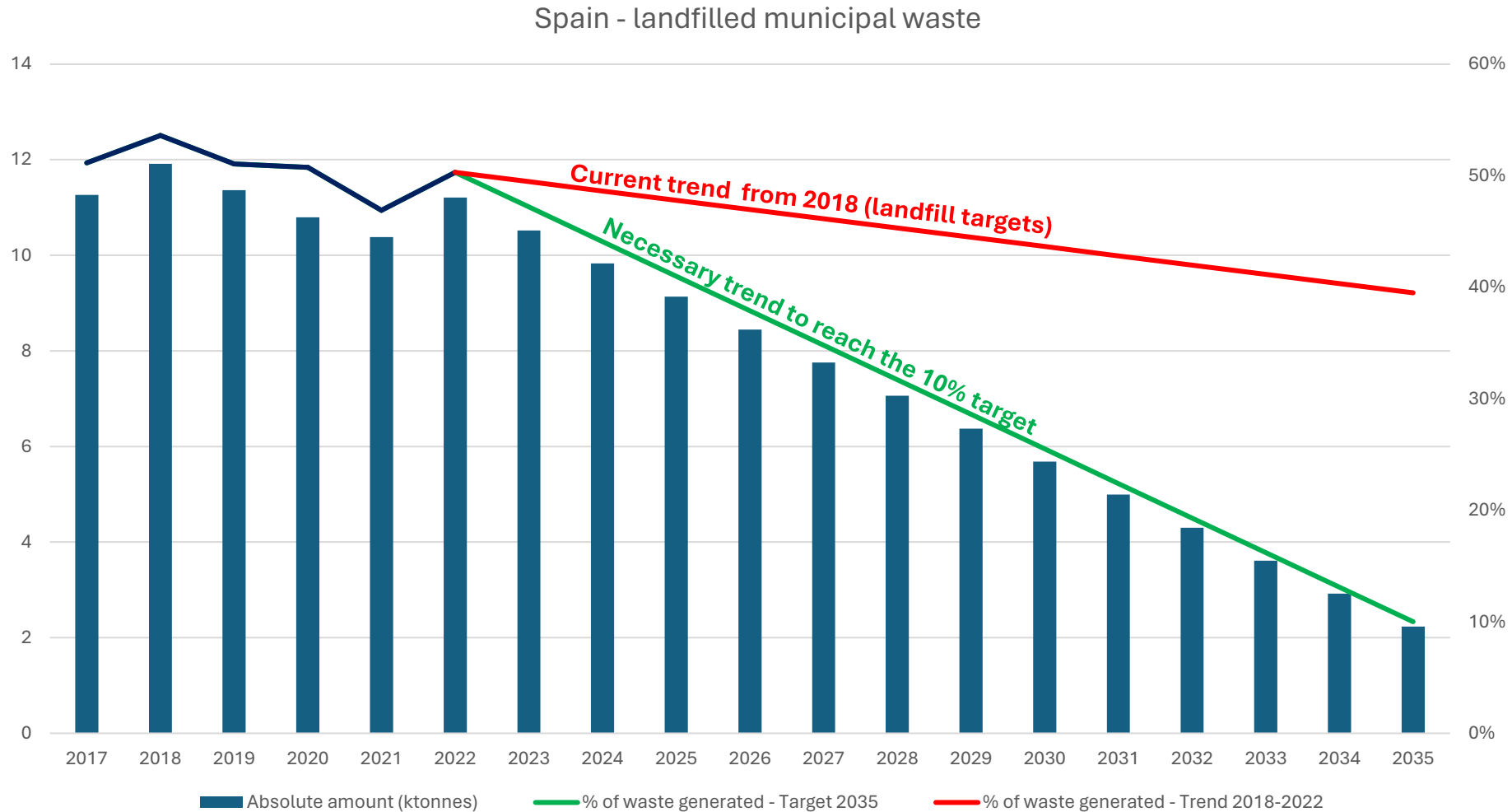
Being on track with the targets means **20 million tonnes** less into landfills in 2029 that need to go for treatment!



Assuming 80% go to recycling and 20% to other treatment (e.g. waste-to-energy), the EU average rate of landfilling will raise to 60%, in line with the WFD targets for 2030!



Waste and landfill targets in EU – Case of Spain



In Spain more than 50% of the waste was landfilled in 2022.

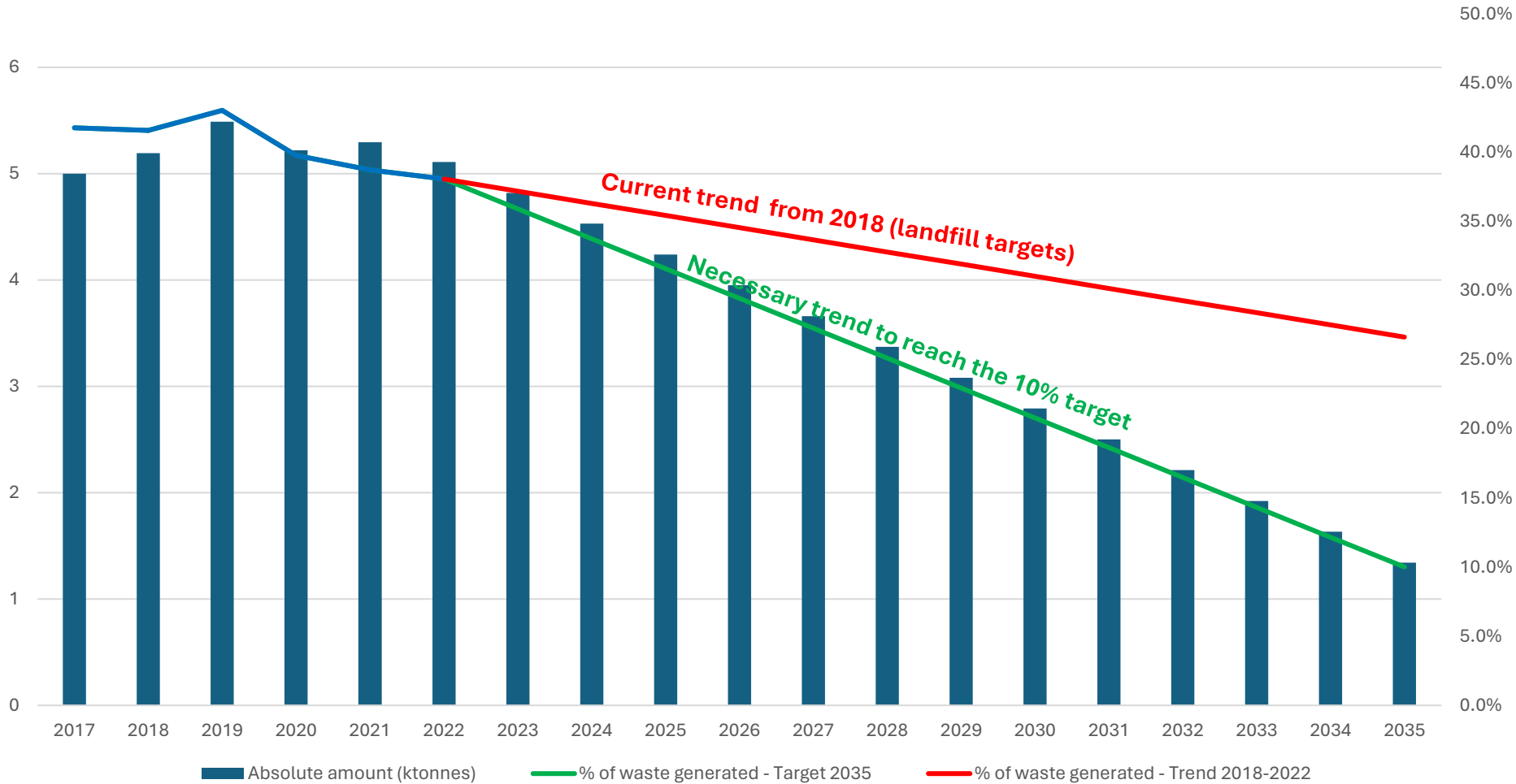
In order to reach the 10% target in 2035, they should reduce their landfill rate by 3.1 percentage points per year

Between 2018 and 2022 they reduced their landfill rate by 0.83 percentage points per year.

At this rate, they will still landfill almost 40% of their municipal waste in 2035

Waste and landfill targets in EU – Case of Poland

Poland - landfilled municipal waste



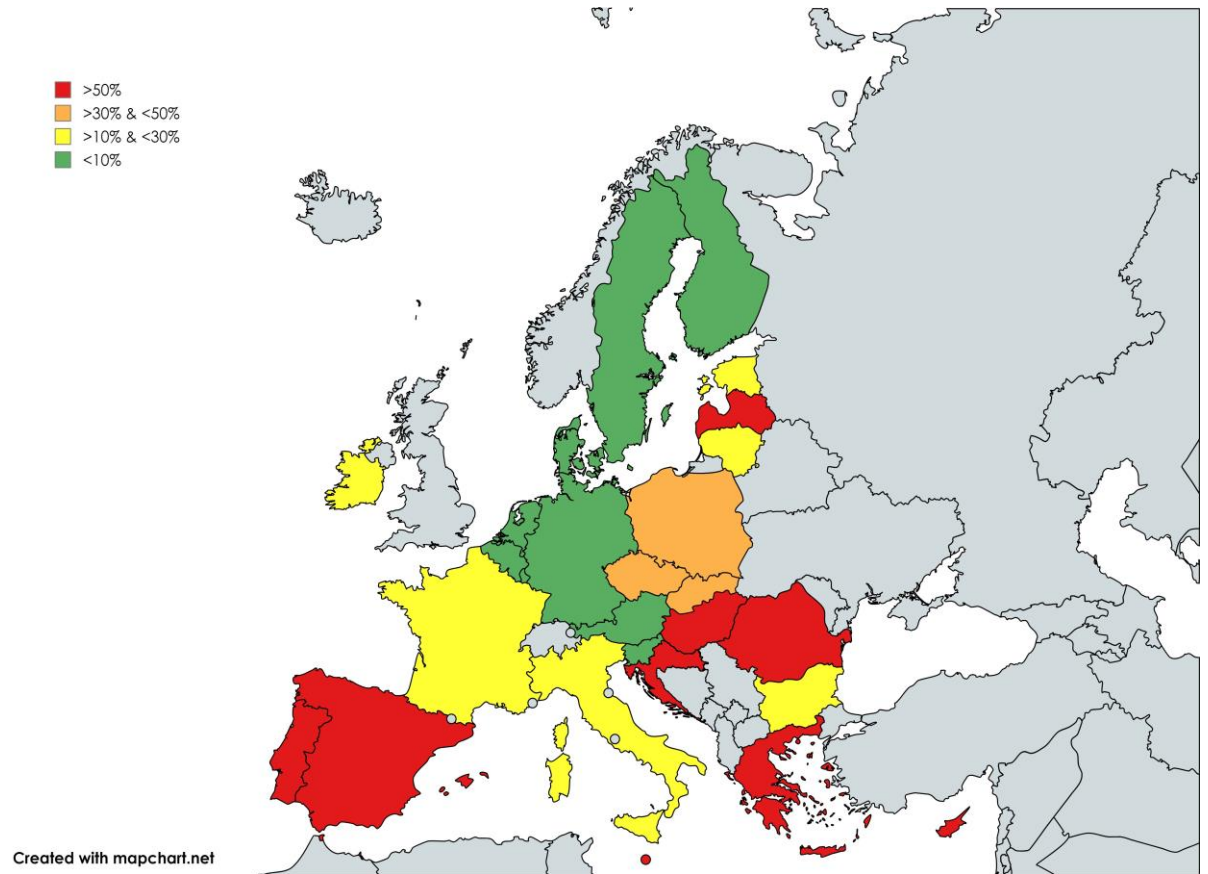
In Poland around 40% of the waste was landfilled in 2022.

In order to reach the 10% target in 2035, they should reduce their landfill rate by 2.16 percentage points per year

Between 2018 and 2022 they reduced their landfill rate by 0.88 percentage points per year.

Waste and landfill targets in EU – Conclusions

- 2035 target of max. 10% landfilling of municipal waste (MW) is challenging for some MS;
- 9/27 MS already achieve the 2035 target, but 9/27 MS still landfill > 50% of their MW;
- MS with the highest amount of MW landfilled in 2022 are Spain, France, Italy and Poland, followed by Romania and Greece.
- Total MW allowed to be landfilled in 2035: **15.3 Mtonnes: reduction of 71%! from 2022 (ca. 53Mt)**
- Not only MW ends up in landfills. Considering also commercial & industrial waste (excl. major mineral waste streams, Eurostat) **116 Mtonnes** of waste were landfilled in EU 27 in 2020 (last available statistics).
Targets are set only for municipal waste.



MW landfill rate in EU 27 (2022, Eurostat)