

Critical raw materials for Europe

Presented by : Margherita Braga (Italian), Mathis Leroux (French), Thomas d'Arbonneau (French), Thomas Jorge (French), Brieux Baudouin (French)

Existing situation

In this first part, the current situation concerning raw materials and energy will be analyzed

Future proposals

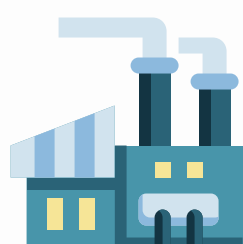
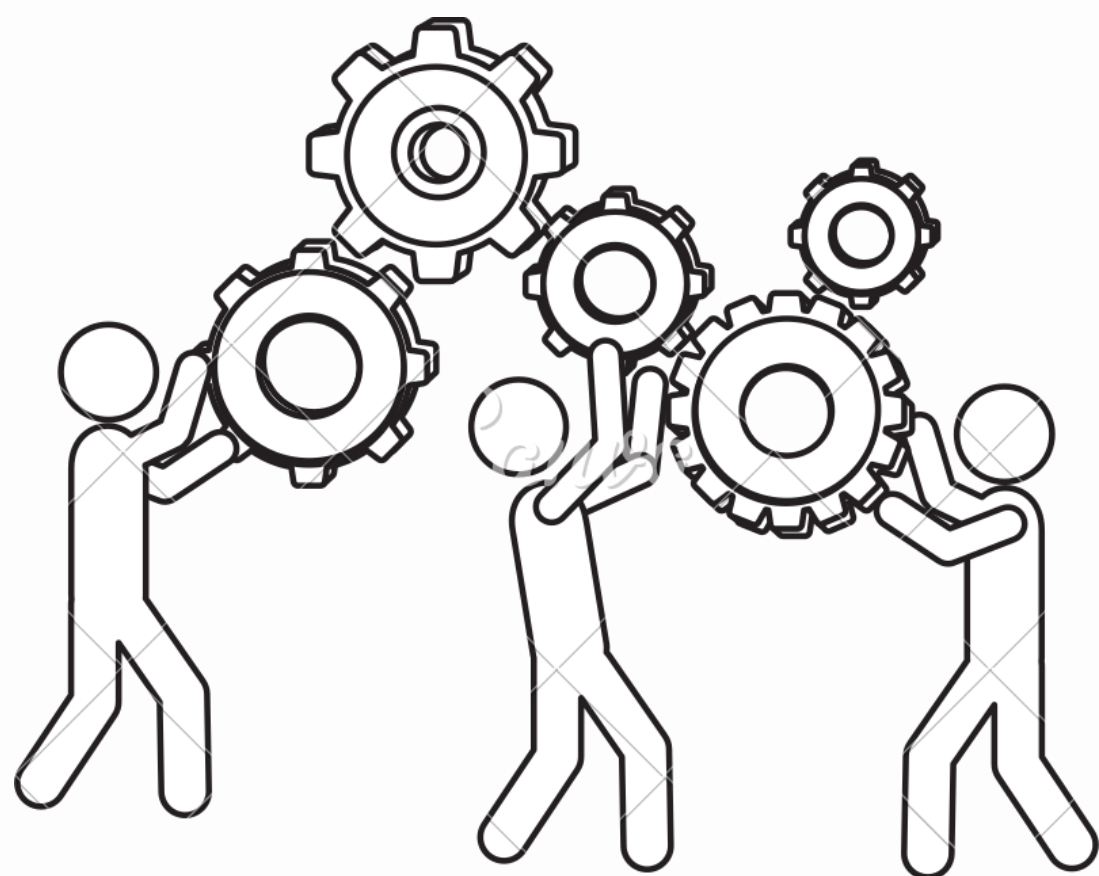
In this section we will define the future proposals which can face the issues linked to the critical raw materials and the energy crisis

Consequences

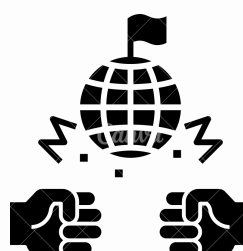
We will see the economic, environmental and social consequences of our proposals



Existing situation: Industry



EU is the 3rd largest industrial power in the world



Dependent from other countries



2011: Creation of a list of critical Raw materials (CRMs)



Why are they important and **how** to identify them ?



How much do we import from Russia?

29%

Crude oil



43%

Natural gas

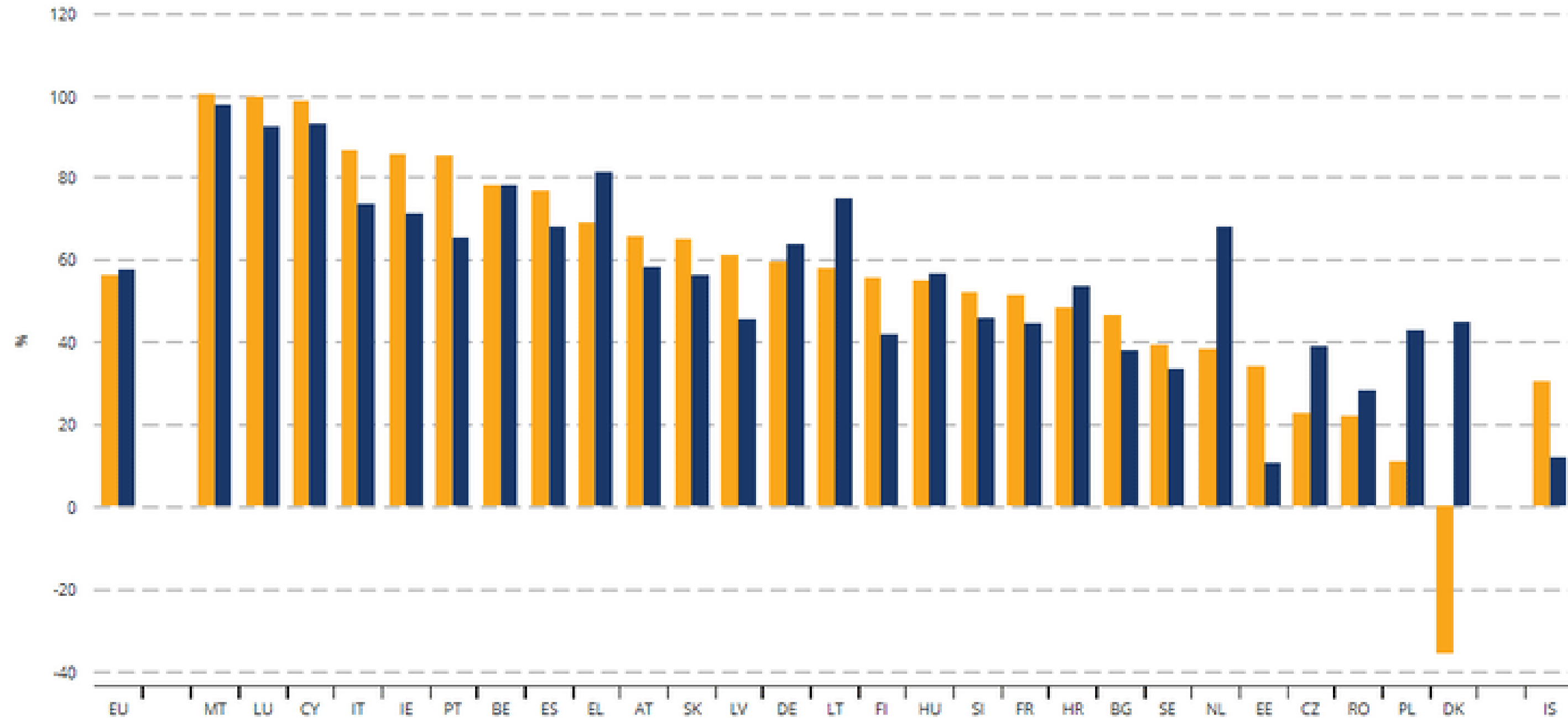


54%

Solid fossil fuels



Energy dependency rate - Total



2000 2020

The dependency rates for Norway (2000: -723.0 %; 2020: -623.1 %) are significantly negative, so they are not shown to avoid distorting the graph.

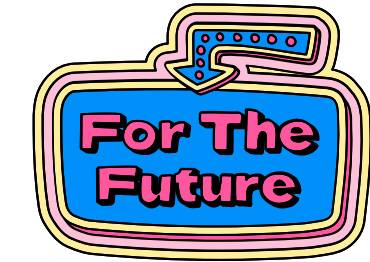
Source: Eurostat - [access to dataset](#)

Nabucco pipeline project



Trans-Anatolian and Trans-Adriatic Pipeline





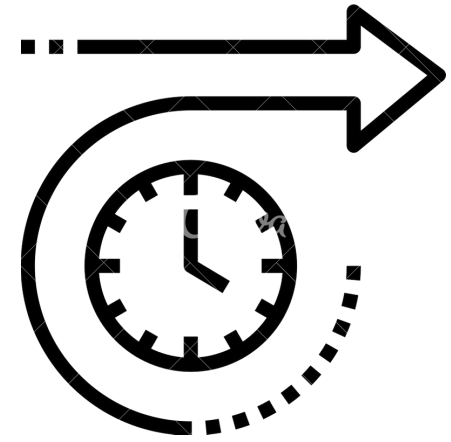
Future Proposals

The short term vision

→ dependence on foreign materials

→ ideas to counteract this dependency

THE FUTURE



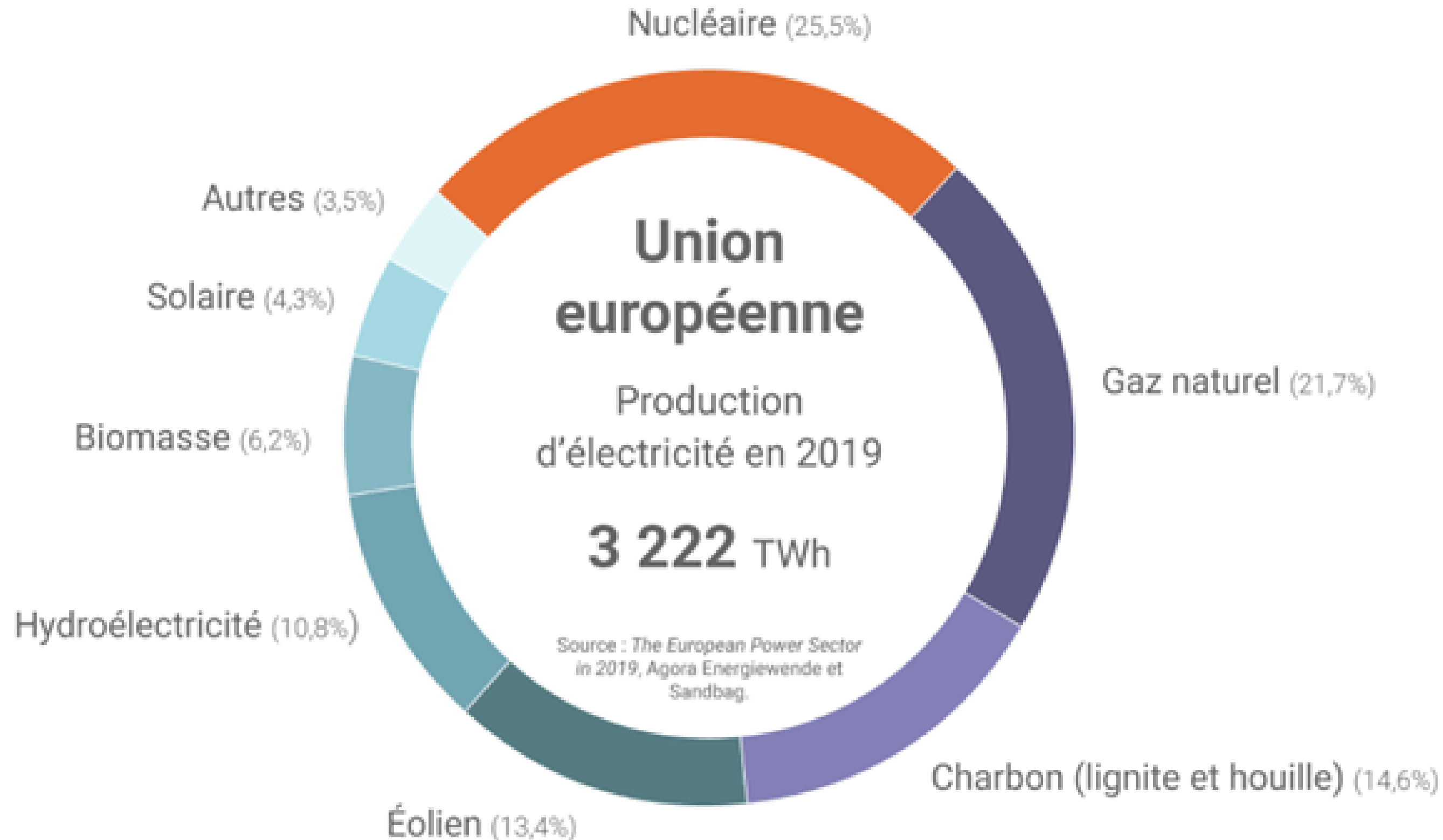
The long term vision

—————→ **become independent again**

—————→ **finding alternatives and new resources**

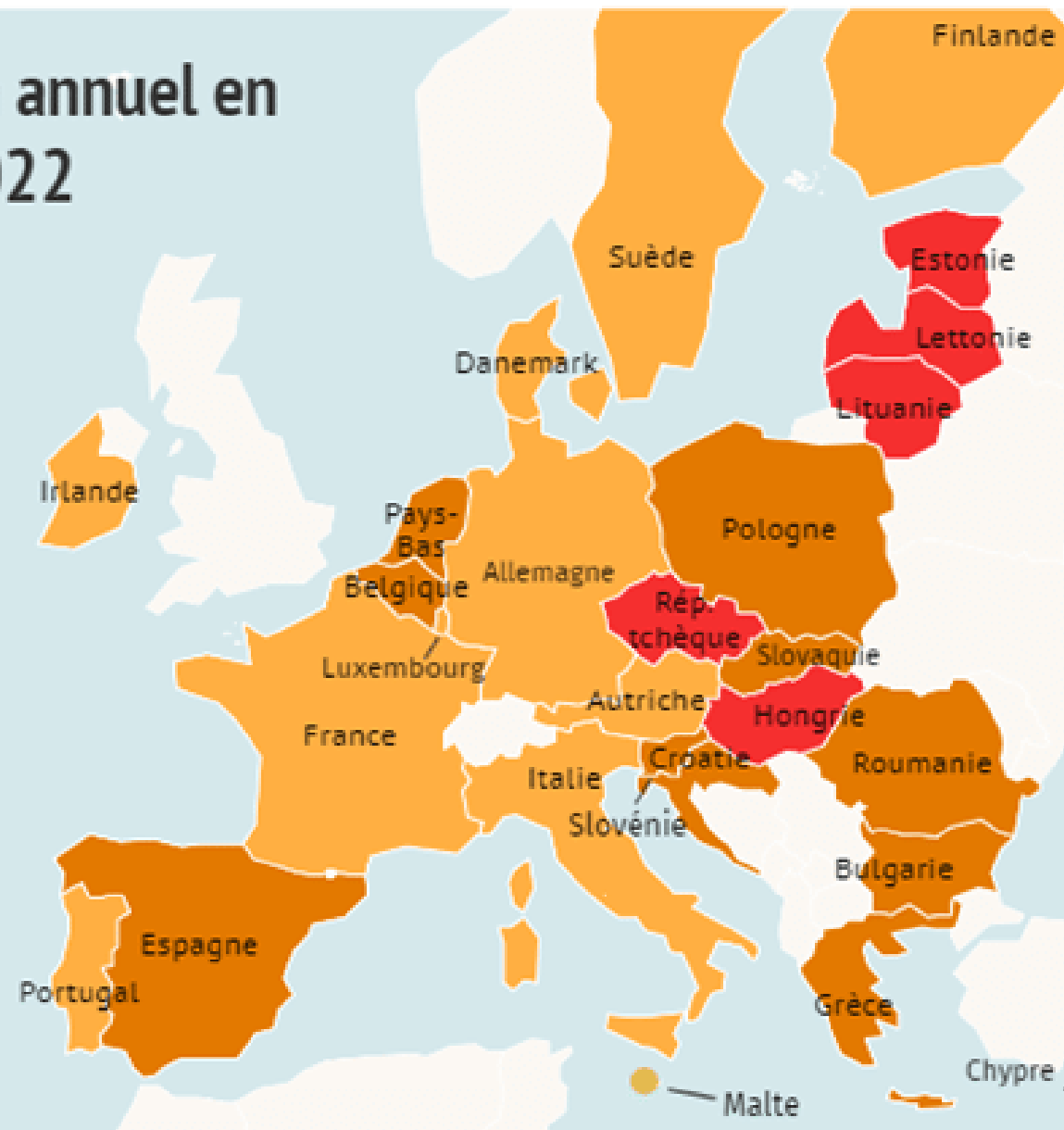


Economic consequences



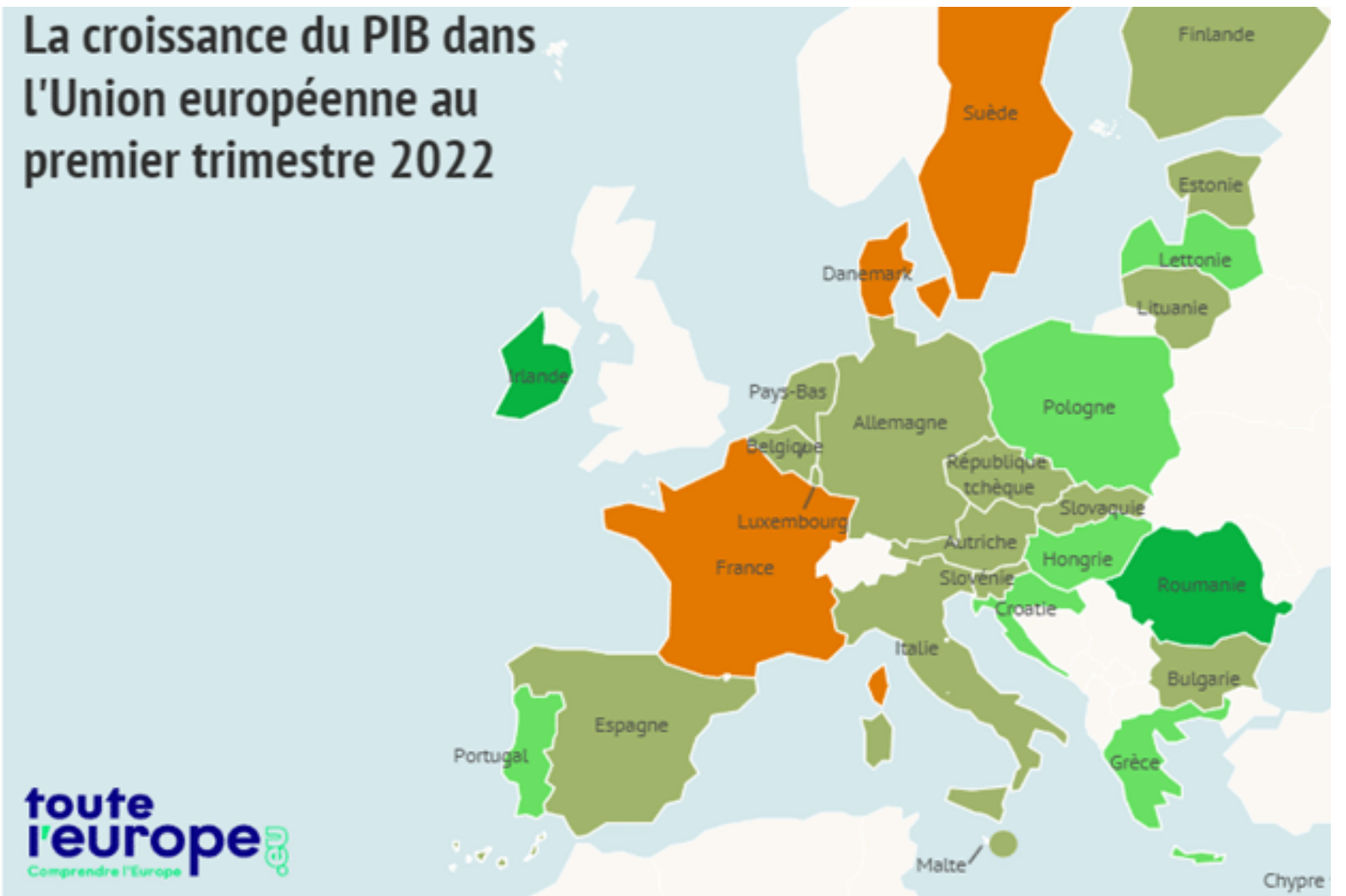
Economic consequences

Le taux d'inflation annuel en Europe en août 2022



● inférieur à 10 % ● entre 10 et 15 % ● supérieur à 15 %

La croissance du PIB dans l'Union européenne au premier trimestre 2022



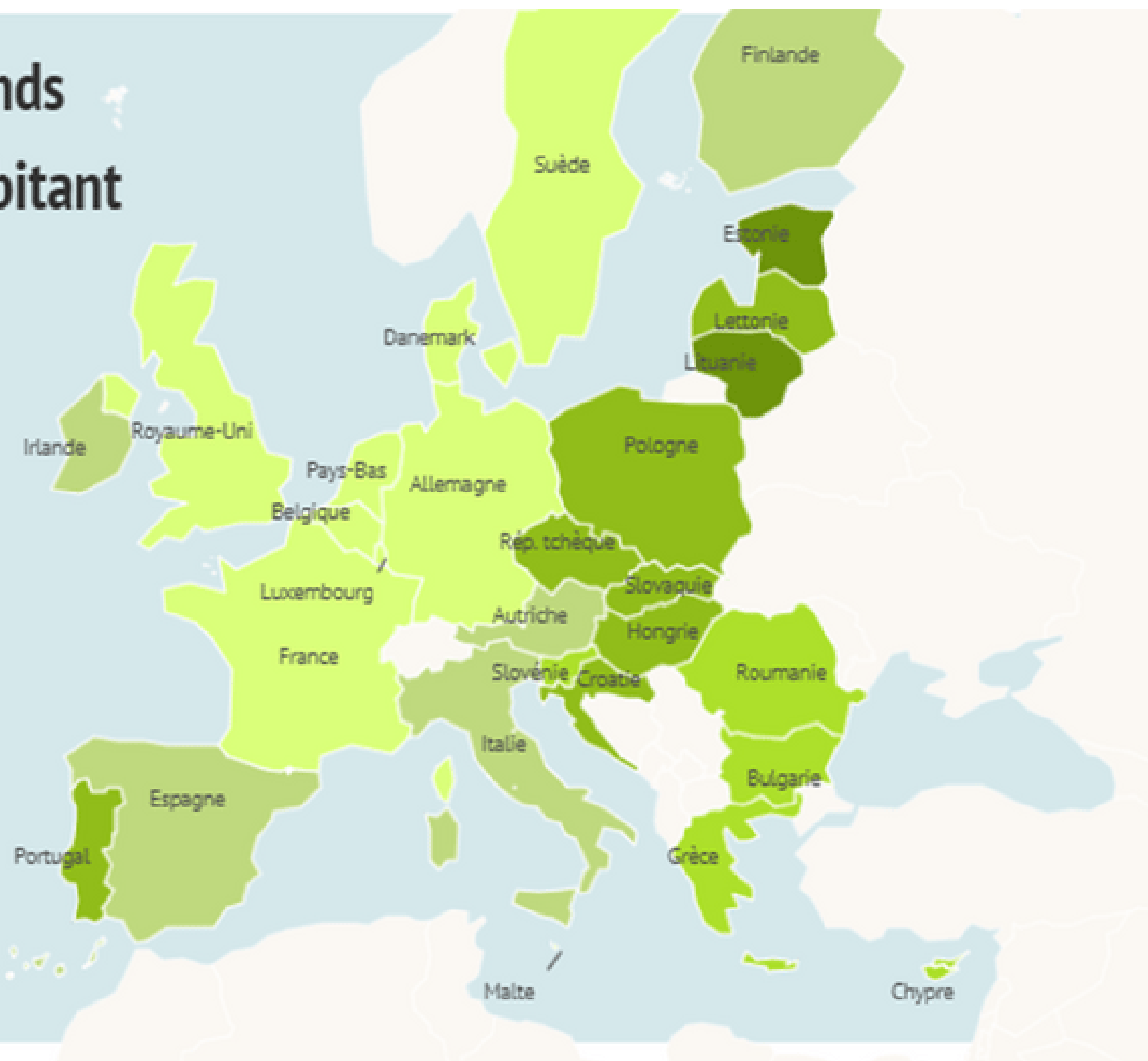
● inférieur à 0 % ● entre 0 % et 1,5 % ● entre 2 % et 5 % ● supérieur à 5 %

Taux de croissance du PIB au premier trimestre 2022 (par rapport au trimestre précédent). Source : Eurostat

* Pour la Bulgarie, il s'agit des données du quatrième trimestre 2021

Données : Eurostat (septembre 2022). Taux d'inflation mesuré entre août 2021 et août 2022.

Répartition des fonds européens, par habitant



entre 100€ et 499€ entre 500€ et 999€ entre 1000€ et 1999€ entre 2000€ et 2999€ entre 3000€ et 3500€

social consequences

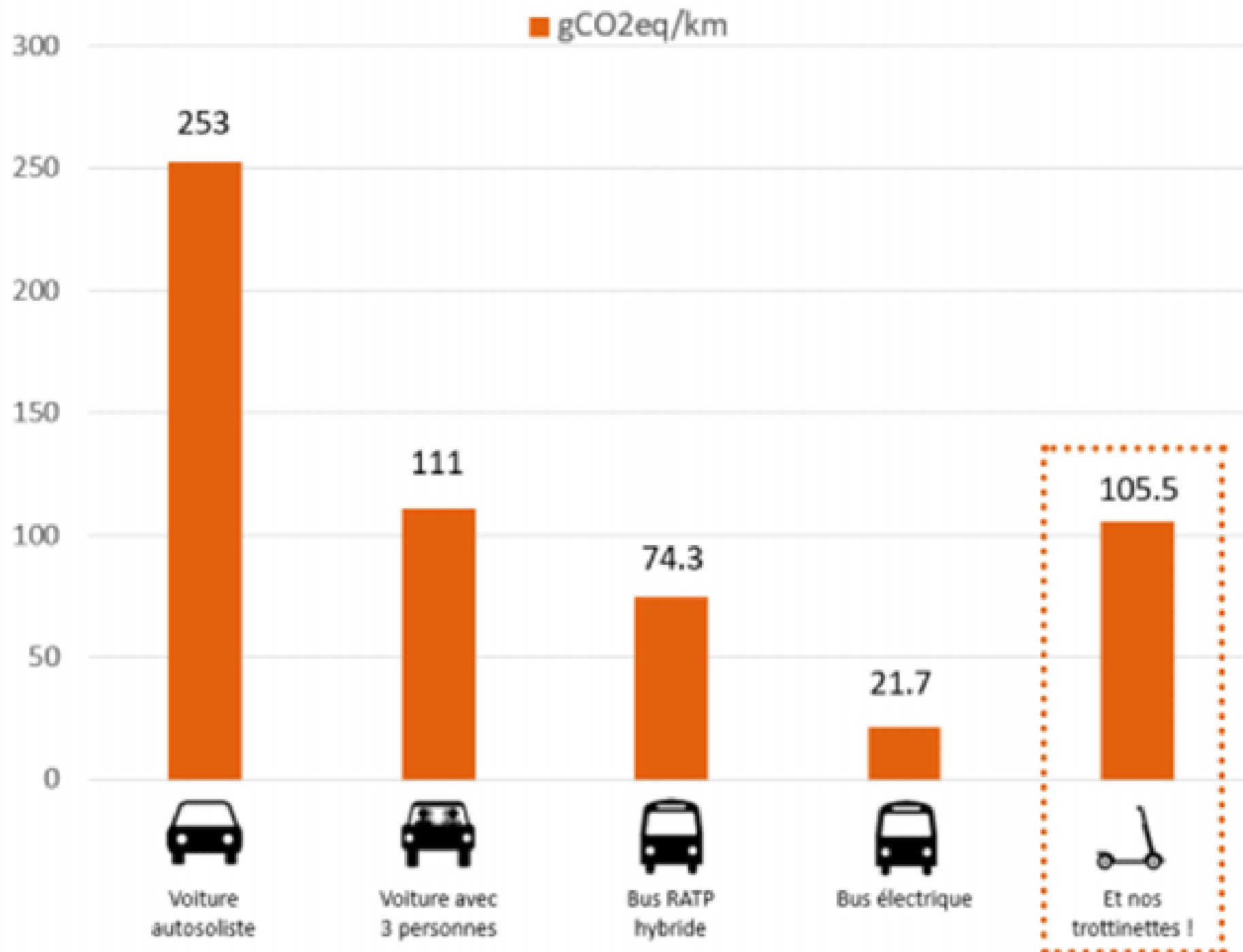
- **Estonia**
- **Lithuania**
- **Slovakia**

Description : Répartition des fonds européens (2014-2020) par habitant

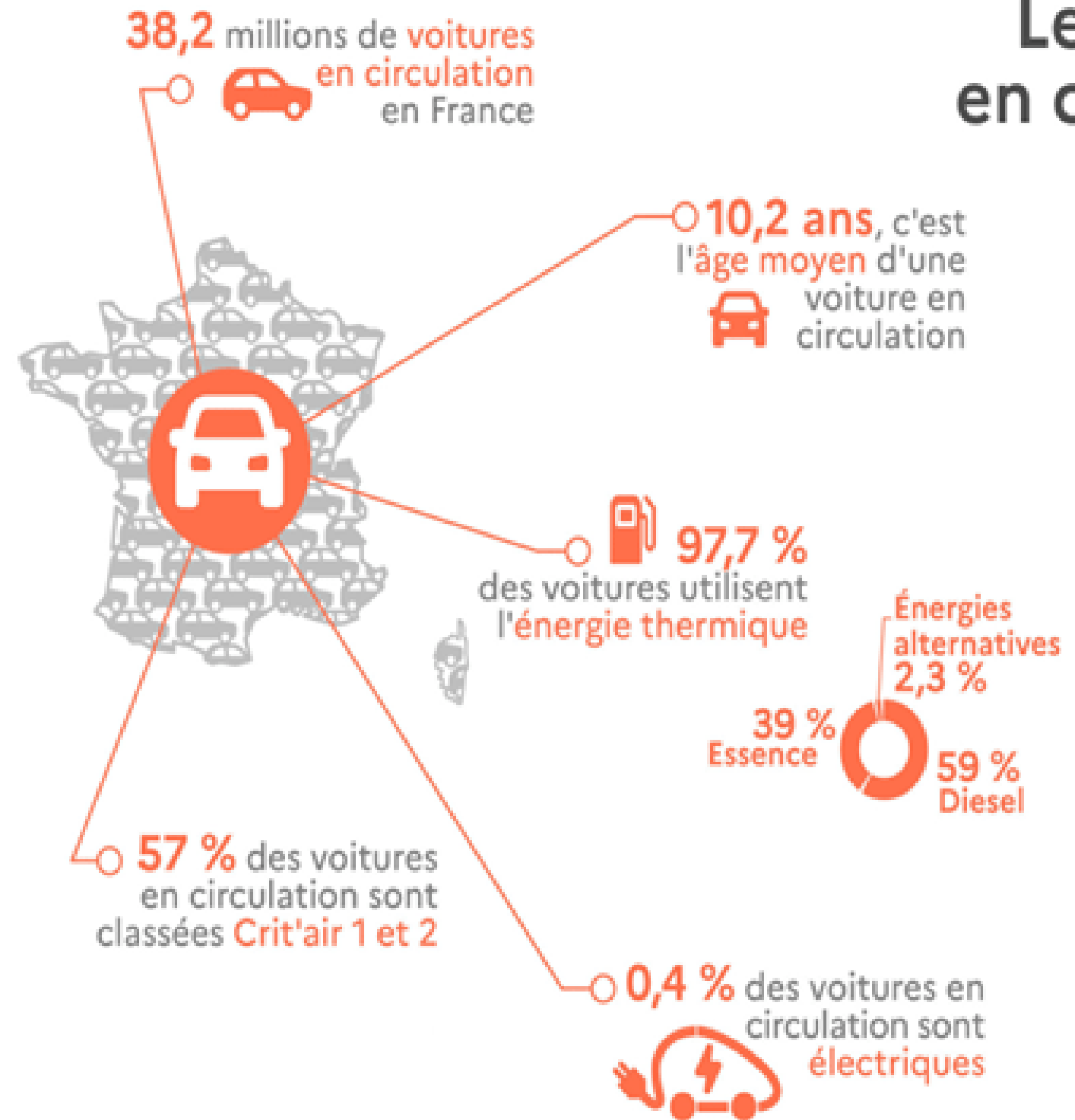
Données : Commission européenne

environmental consequences

Emissions de GES en g.eq/CO2/passager/km selon différents modes de transports dans le cas parisien en novembre 2019



Les voitures en circulation en France au 1^{er} janvier 2020*



* : Métropole et DC

References

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