

The state of play for SDG2 – Zero Hunger

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SDO meeting on sustainable food systems as drivers for the implementation of the SDGs

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The background is a solid teal color. Overlaid on this background are faint, dark silhouettes of a person swinging on a swing set on the left, a person standing in the center, and a pig on the right. The text is centered in the middle of the image.

1. State of play for SDG 2

2

ZERO HUNGER



END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

ZERO HUNGER GOAL

AT RISK



MORE THAN **600 MILLION** PEOPLE WORLDWIDE ARE PROJECTED TO **FACE HUNGER IN 2030**

DESPITE DROPPING IN 2021,

HIGH FOOD PRICES CONTINUE TO PLAGUE MANY NATIONS

SHARE OF COUNTRIES EXPERIENCING MODERATELY TO ABNORMALLY HIGH FOOD PRICES:



LITTLE TO NO PROGRESS HAS BEEN MADE IN REDUCING ANAEMIA WORLDWIDE SINCE 2000



PREVALENCE OF ANAEMIA IN **WOMEN AGED 15-49**

HAS REMAINED STAGNANT **AT AROUND 30%**

1 IN 3 PEOPLE



WORLDWIDE STRUGGLE WITH MODERATE TO SEVERE **FOOD INSECURITY**

MALNUTRITION PERSISTS WORLDWIDE, JEOPARDIZING CHILDREN'S WELL-BEING AND FUTURE DEVELOPMENT

CHILDREN UNDER AGE-5 AFFECTED BY:

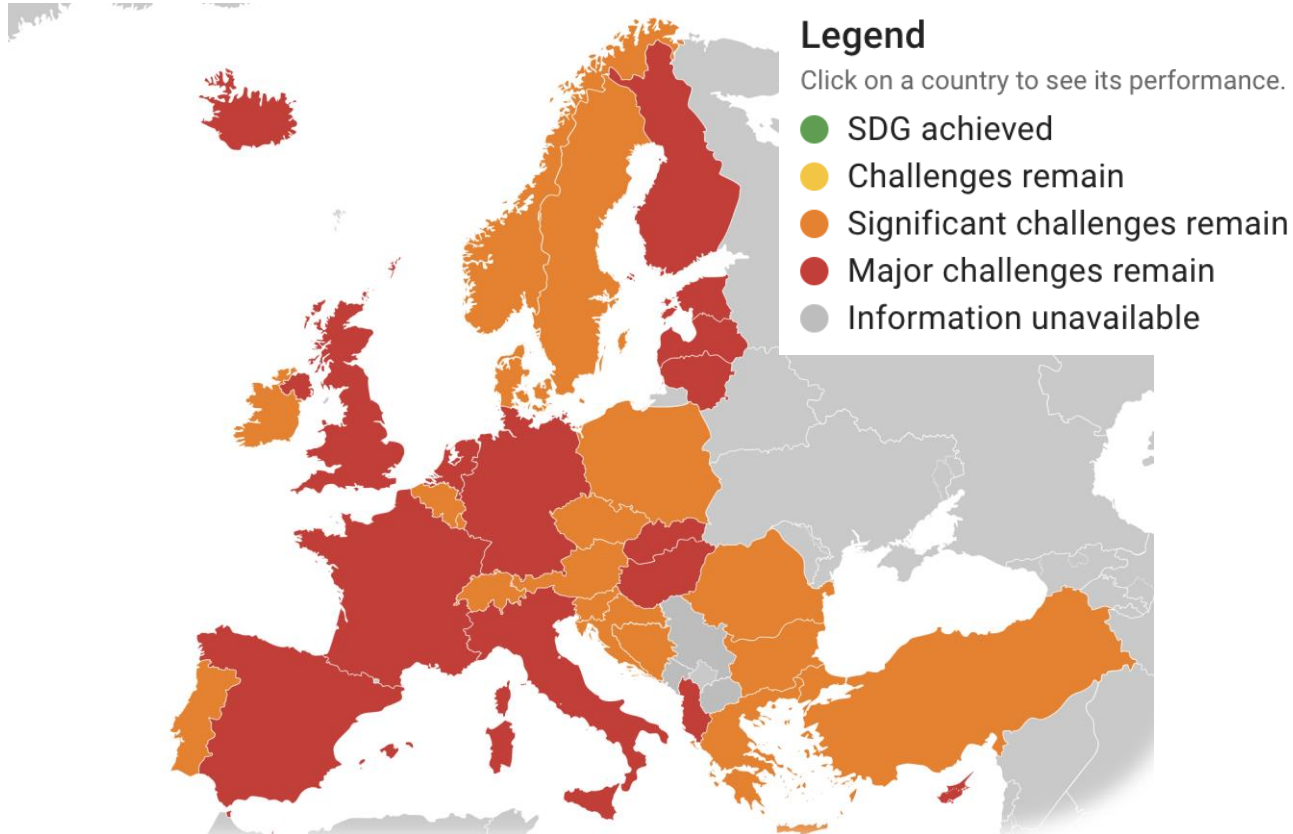
[2022]



Progress towards SDG 2 in the world

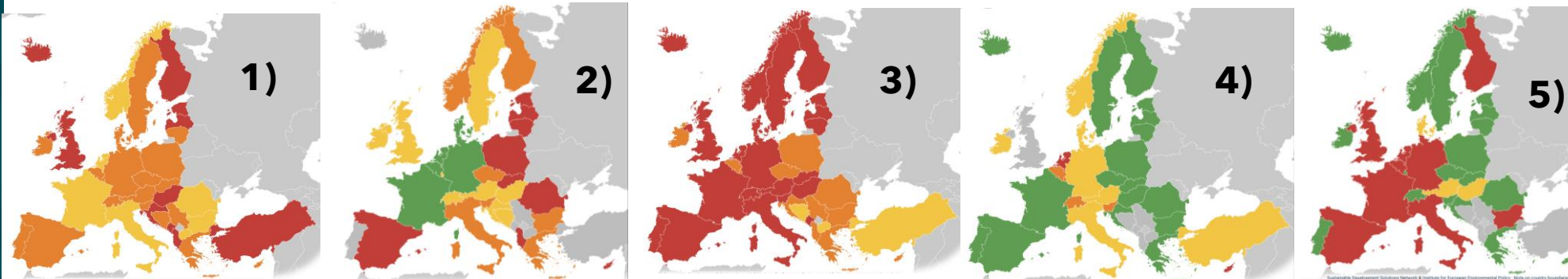
Source: The Sustainable Development Goals Report 2023

Progress towards SDG 2 in Europe



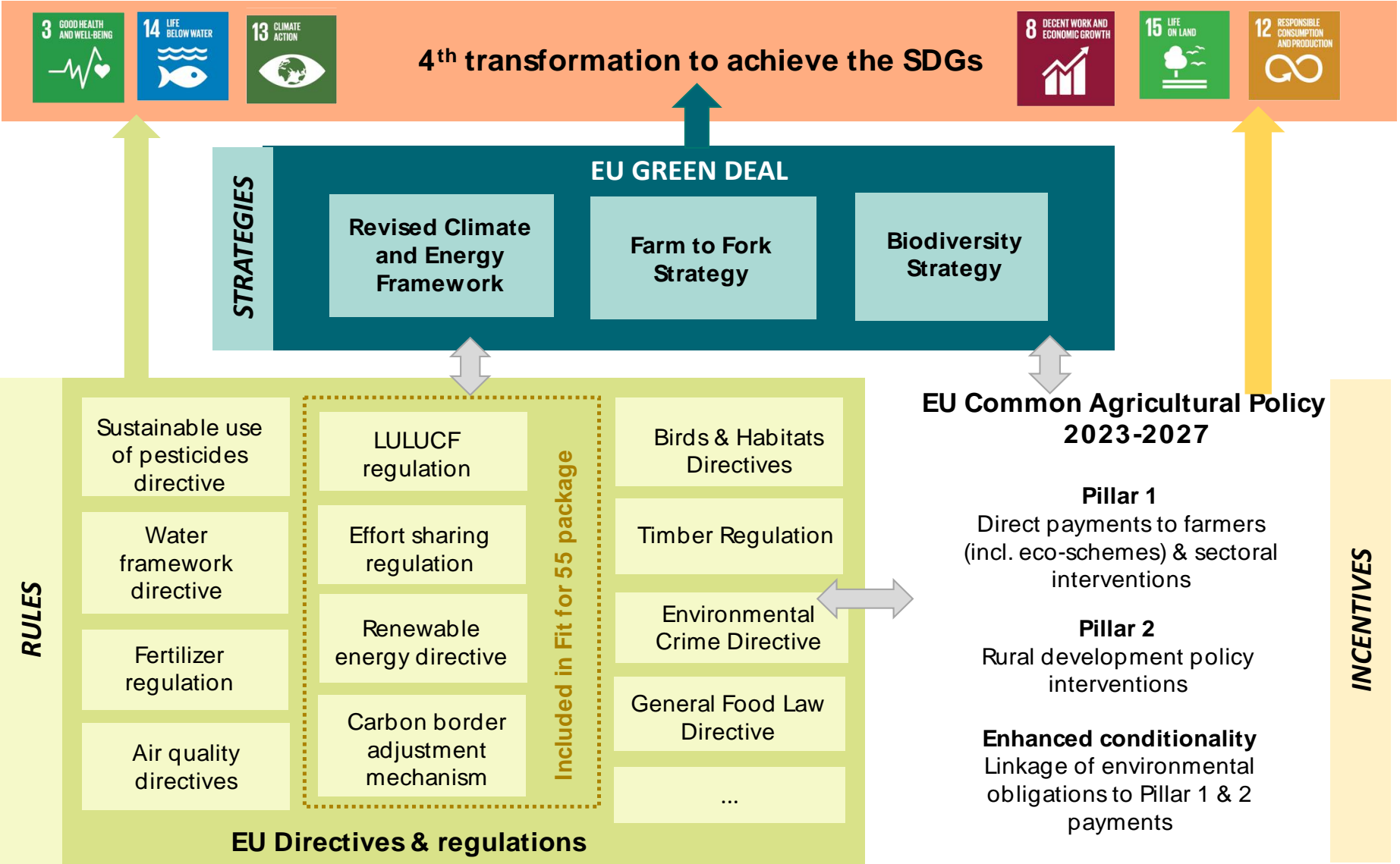
Combination of 4 indicators:

- 1) Prevalence of obesity, BMI >30
- 2) Yield gap closure
- 3) Human trophic level - A higher level represents a greater level of consumption of energy-intensive animals.
- 4) Ammonia emissions from agriculture
- 5) Exports of pesticides banned in the EU



Source: ESDR
2023

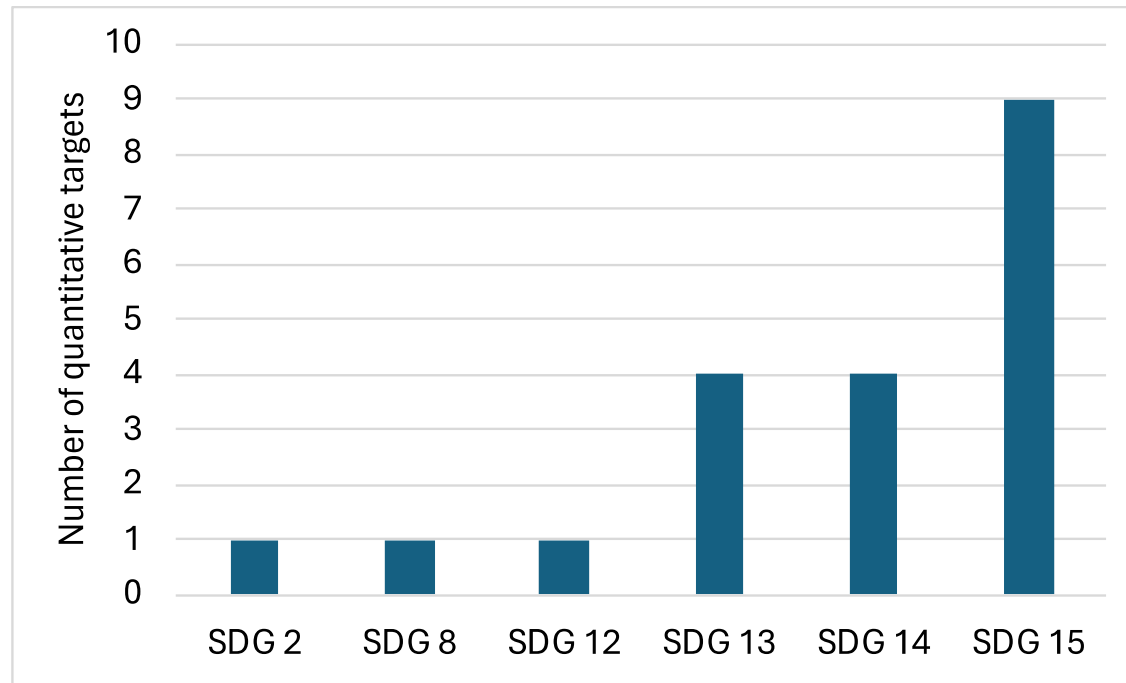
EU policies related to SDG2



The achievement of SDG2 requires a mix of directives and incentives

Source: ESDR 2021

SDG 2 in the EU - Enough good quality food for everyone



- **50% reduction in overall EU sales of antimicrobials for farmed animals and aquaculture (Farm2Fork)**
- Move to a more plant-based diet with less red and processed meat and with more fruits and vegetables (F2F)
- Help consumers in making informed food choices for healthy diets (F2F)
- Reformulate food products in line with healthy diets (F2F)

We are missing quantitative targets for dietary shifts

The background is a solid teal color. Faintly visible in the background are silhouettes of a monkey on the left and a pig on the right, both appearing to be in a natural, outdoor setting.

2. FABLE pathways to navigate the interlinkages between food, health and sustainability

The mission of the Food Agriculture Biodiversity Land and Energy (FABLE) Consortium



- ❖ **To help countries transition towards sustainable food and land systems**
- ❖ **Without displacing problems to other countries (« leakage ») so that we remain within the safe planetary boundaries**
- ❖ **By strengthening the role of local researchers who want to work with the rest of the society**

Who we are

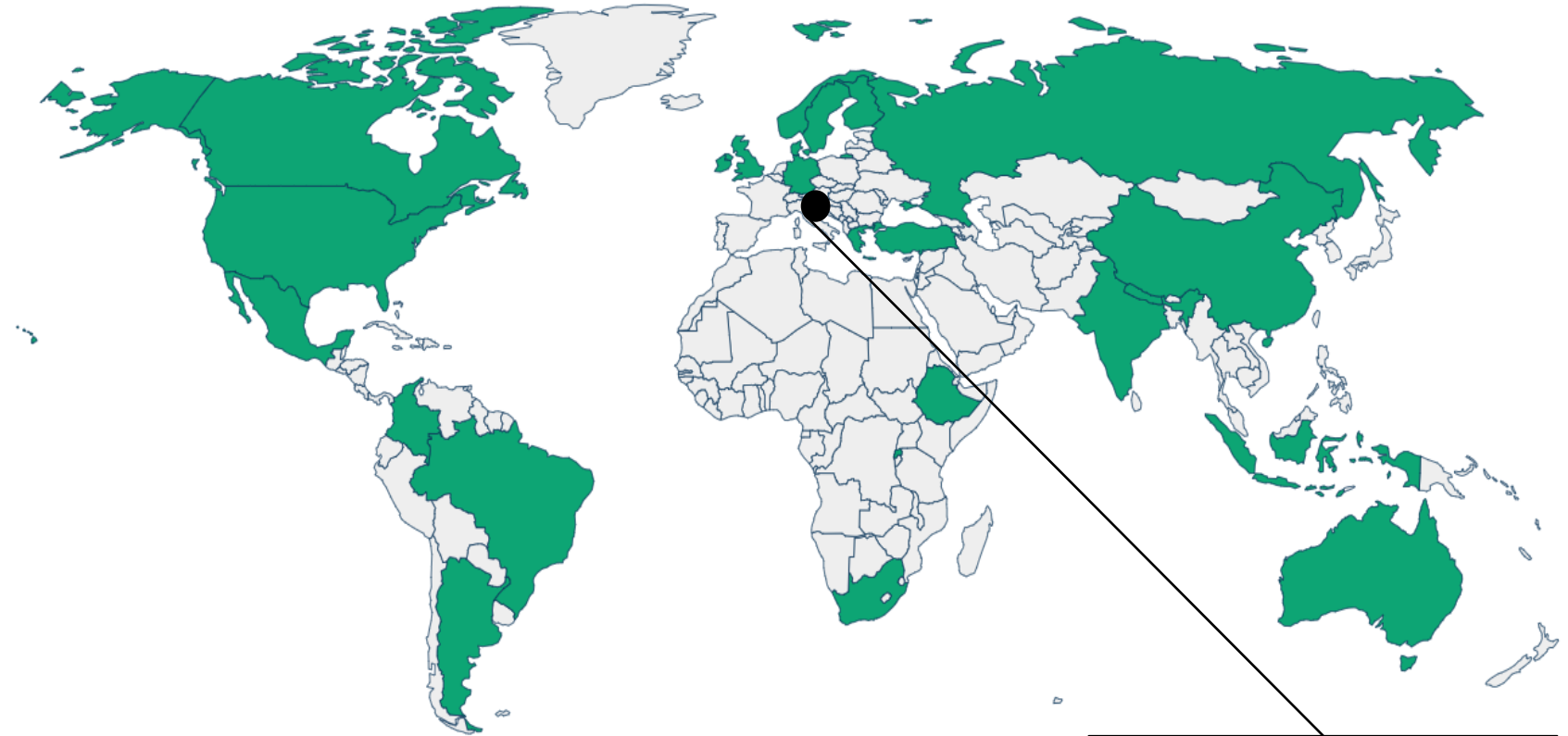
**A collaborative initiative
launched in 2017**

FABLE Country Teams:

Independent
research teams

- 24 countries
- ~200 researchers
- ~80 **national institutes**

+ technical partners
such as PIK



1. Build in-country integrated modeling capacity



2. Coordinate national-to-global integrated pathways



3. Support science-policy interactions

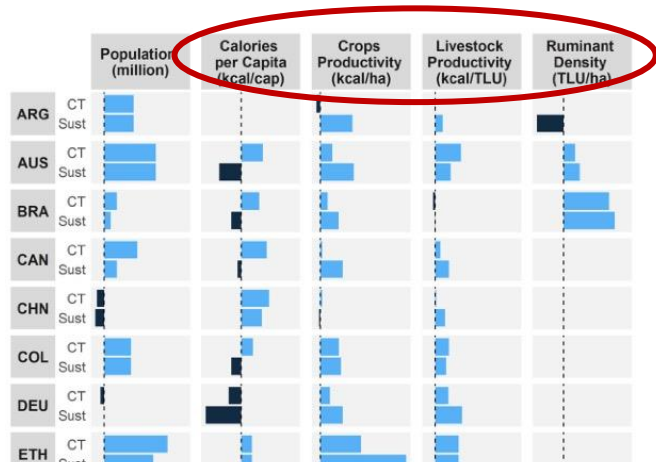
FABLE in Europe:

Finland and the **UK** since 2018

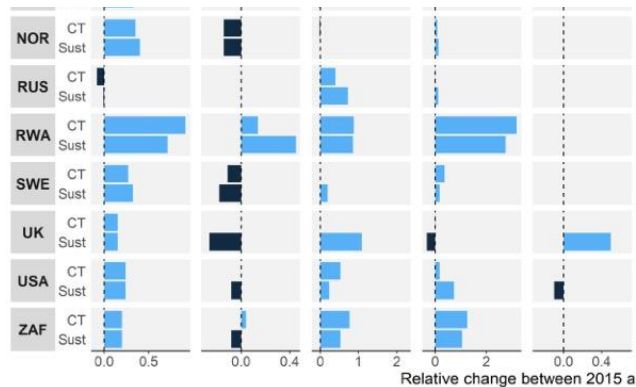
Germany, Norway, and **Sweden** since 2019

Greece, Denmark, Ireland,
Türkiye since 2023

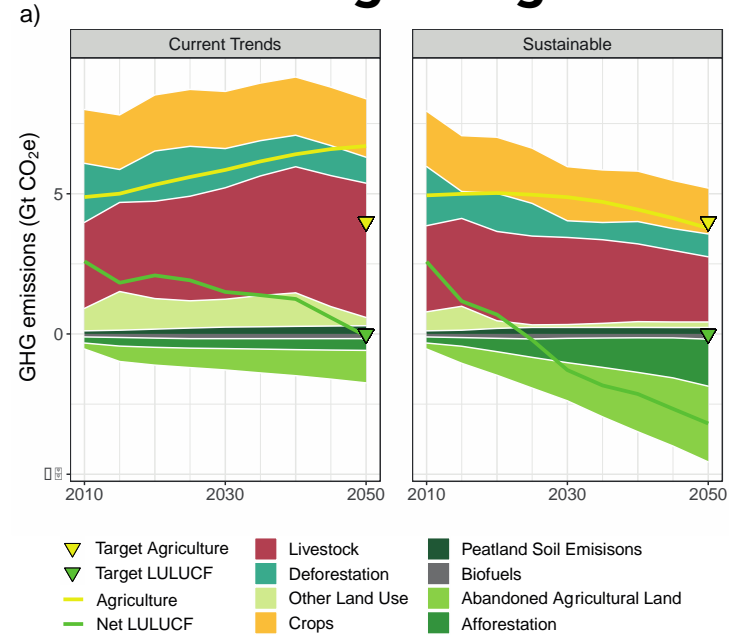
We need a combination of demand-side and supply-side measures!



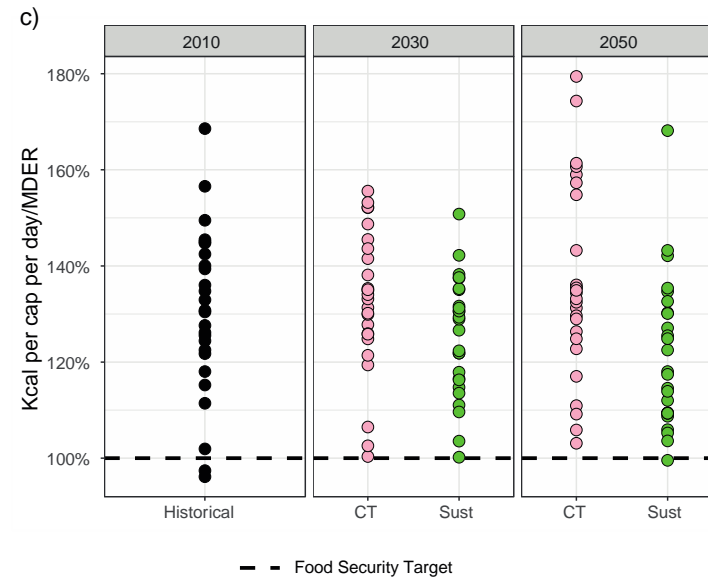
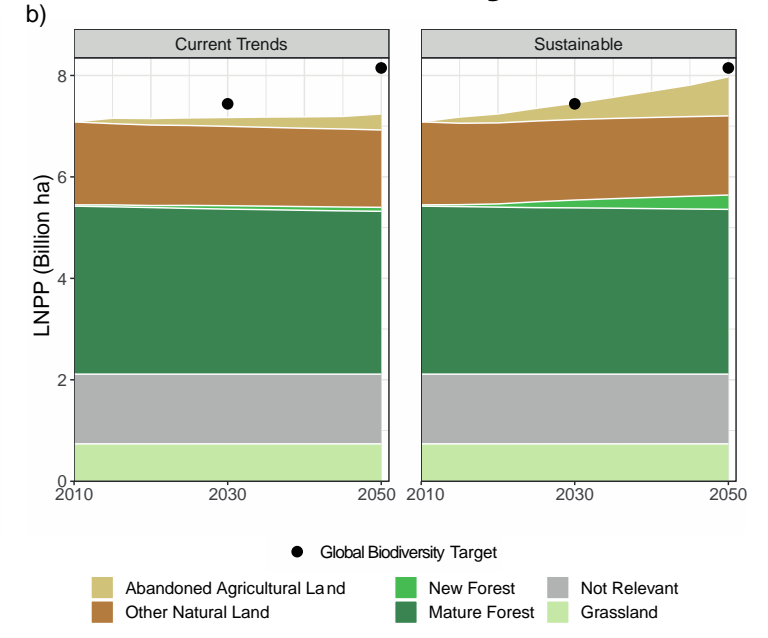
Model assumptions should reflect local context, preferences and constraints



Climate change mitigation

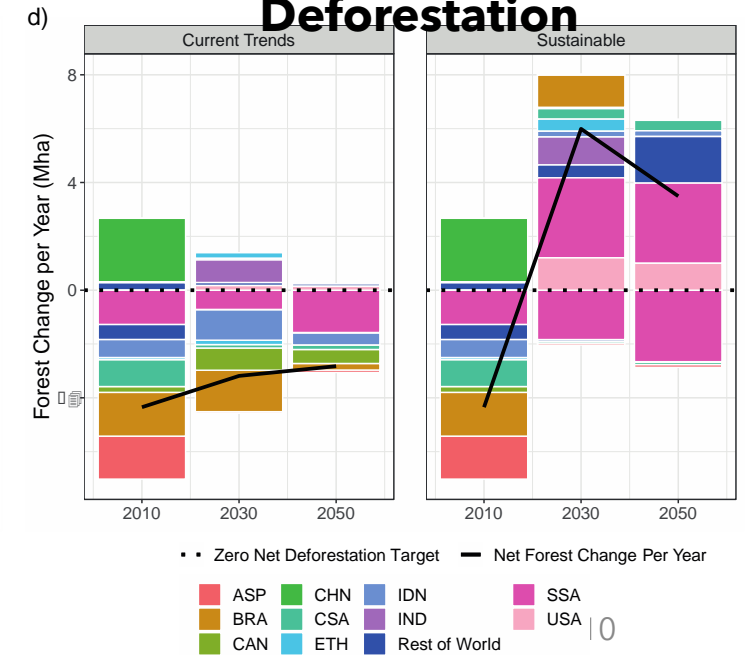


Biodiversity



Food security

Deforestation



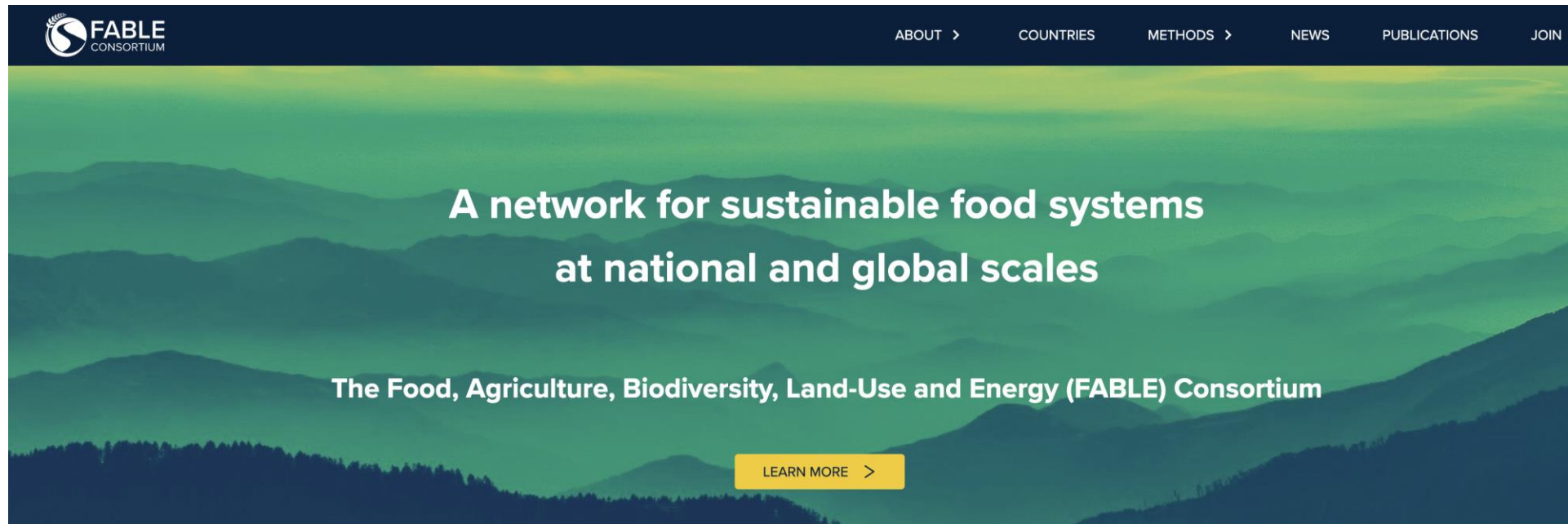
Conclusion

*“Realising this [SDG2] goal will largely depend on **promoting sustainable production systems** as well as **increasing investment in rural infrastructure and agricultural research and development.**”*

EUROSTAT

Do you agree with this statement?

Thank you!



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