



# **THIS IS THE FUTURE OF BIOECONOMY:**

Frédéric Van Gansberghe, CEO at FUTERRO SA





In the EU, **the future of bioeconomy** will depend on what:

- The Commission
- The Parliament
- The Council

will decide together in the coming months



2015: Paris Agreement targeted 1.5°C as the global warming limit

2025: Scientists warn it's already too late

**WE NEED TO ACT FASTER &  
STRONGER!**

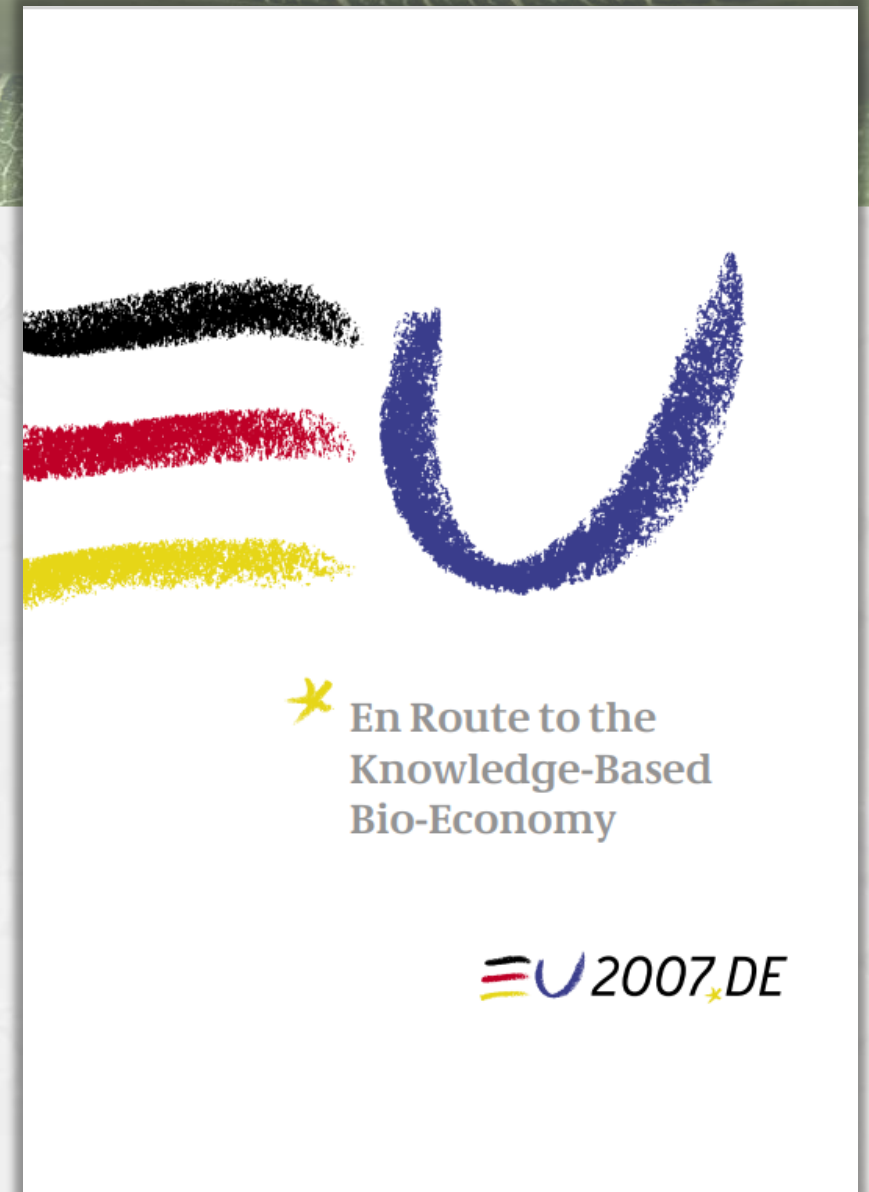


Source: *Indicators of Global Climate Change report, Earth System Science Data, 2025*

Futero – 25/06/25

The concept of Bioeconomy was discussed  
almost 20 years ago at EU level, with the  
'Cologne Paper' of 2007


# THE #1 PRIORITY IS TO STOP THE USE OF FOSSIL CARBON








# 100% IMPORTED FOSSIL FEEDSTOCK

  
**46%**  
Energy



- Mandatory Incorporation
  - Tax incentives
- since 2009 for **renewable energies**

  
**54%**  
Chemistry



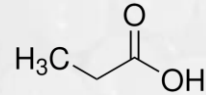
**?**

**We're only doing half the job if we don't  
mandate bio-based alternatives to replace  
fossil feedstocks in chemistry.**

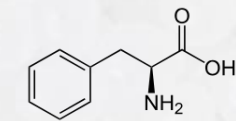
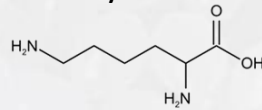


# NEW BUILDING BLOCKS

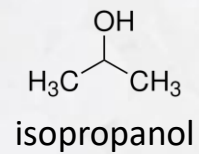
propanoic acid



lysine

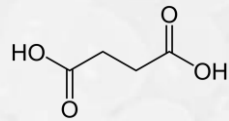


phenylalanine

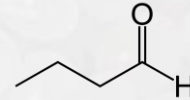


isopropanol

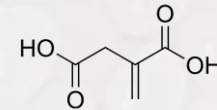
malic acid



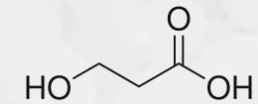
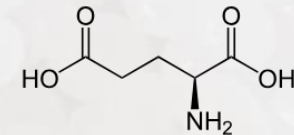
butanal



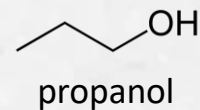
itaconic acid



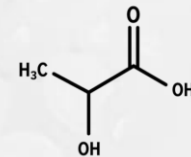
glutamic acid



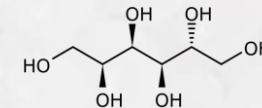
3-hydroxypropionic acid



propanol



lactic acid



sorbitol

## GLUCOSE







## **THESE PRODUCTS NEED**

- **Low-cost sustainable biomass**
- **A favorable market with incentives**
- **Public funding (loans & subsidies)**



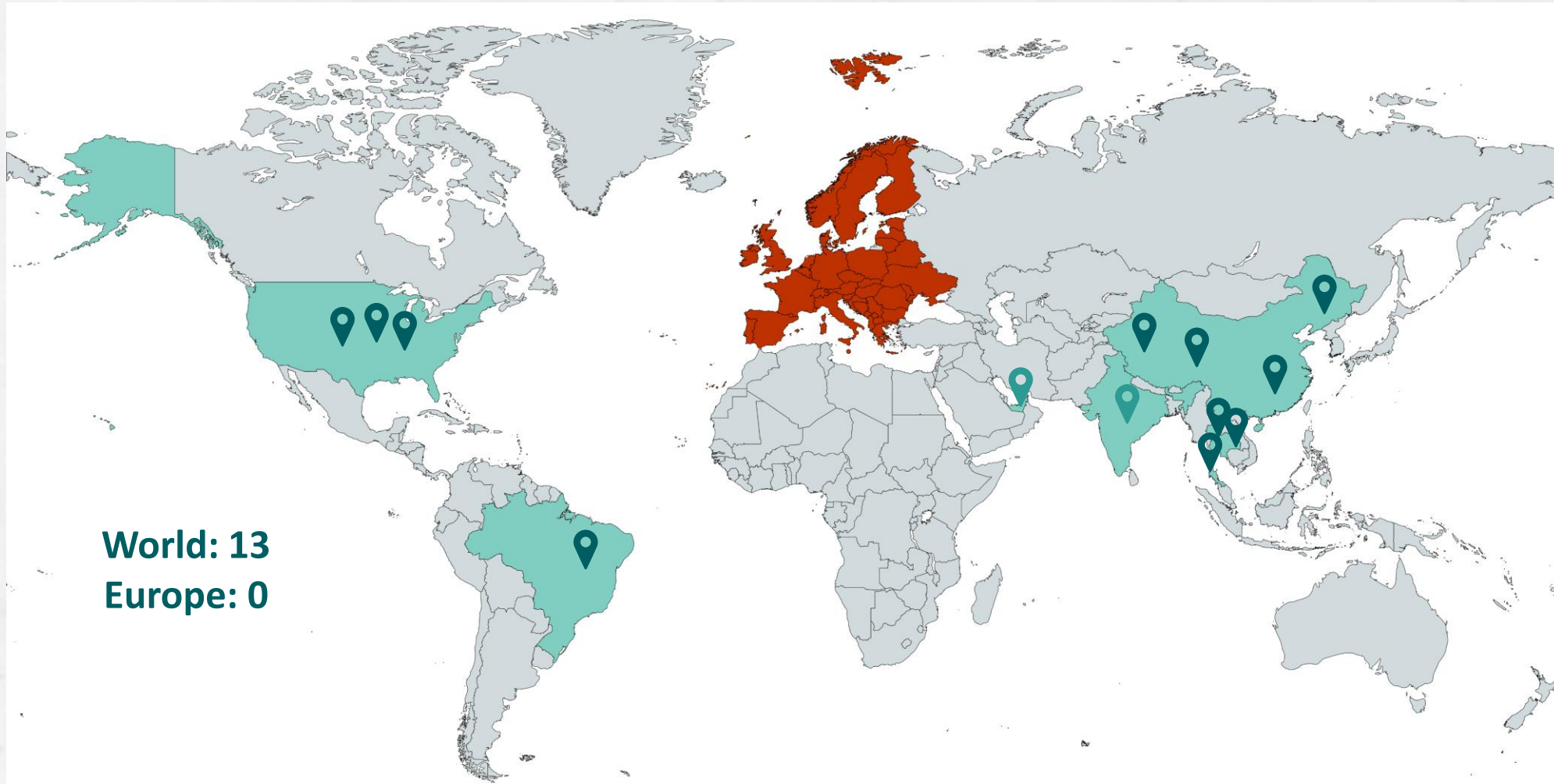
## R&D

- Strong R&D support in green chemistry (Lab to Pilot)
- Research results can easily be industrialized elsewhere, where investment conditions are better (Pilot to Fab)



**Strong R&D ≠ Guaranteed industrial development in Europe**

# WHERE ARE THE INDUSTRIAL BIOREFINERIES TODAY?



Major bio-based chemicals and polymer refineries







## WHY?

- EIB refusal to fund 1<sup>st</sup> generation feedstock, the only competitive route today for large-scale industrial fermentation
- No subsidies
- No market-pull measures

# WHAT CAN WE DO?

We need to go from **positive communication to concrete actions** and regulations

- **RECOGNITION OF 1<sup>ST</sup> GENERATION FEEDSTOCK**
- **1ST OPPORTUNITY OF MARKET PULL MEASURE UNDER PPWR  
ARTICLE 8**
- **UNLOCK AN AMBITIOUS BIOECONOMY STRATEGY WITH  
LEGISLATIVE PROPOSALS**





# **THANK YOU**

Frédéric Van Gansberghe, CEO at FUTERRO SA  
info@futerro.com | [www.futerro.com](http://www.futerro.com)

The information, data, and opinions presented in this document are provided by Futerro for informational purposes only. No representation or warranty is given as to their accuracy, truthfulness, or suitability for any particular purpose, application or condition. Futerro disclaims any liability, damages, losses or other consequences suffered or incurred for any decisions made or actions taken based on the information contained in this presentation. Furthermore, nothing in this presentation should be construed as an inducement or recommendation to use the described materials or processes in violation of existing or future patents of Futerro or any other party.