INNOVATING FOR A SUSTAINABLE FUTURE - FIBENOL'S BOLD VISION: Fiber Beyond Oil



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More from fibenol.com









Fibenol demo plant commissioning...

Because launching rockets seemed too easy

Fibenol today

+ Annual production capacity:

10 kton C5 sugars

10 kton C6 sugars

6.5 kton Lignova

Specialty cellulose on ton scale

+ Global partnerships >400

+ Supported by EU: 18 m EUR

+ Total investment: >65 m EUR

2016-2017 SUNBURSTTM technology

2018 SWEETWOODS project

> 2020 PILOT LINE

2023 COMMISSIONING & RAMP UP

2027/28 Industrial plant











CELLULOSIC SUGARS

- + 2G sugars: non-food competing
- + Rich in xylose or glucose
- + Highly fermentable
- + Low CO₂ footprint and land-use



LIGNIN

- + Two lignin grades:
 - + LIGNOVA™ Crude
 - + LIGNOVA™ Pure
- + Sulphur-free
- + Near-native structure



MICROCRYSTALLINE CELLULOSE

- + Three unique MCC grades:
 - + Crude MCC
 - + Blonde MCC
 - + White MCC
- + Various lignin and hemicellulose content
- + CNC/CNF type behaviour



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Collaborating to innovate the (bio)plastics industry



Carbon Footprint of LIGNOVATM



*IPCC, mass allocation



For bio-based products carbon footprint is the most important sales argument!

We need unified tools and rules for CO₂ footprint calculations!

Why we agree to play by the rules designed for fossil-based world?



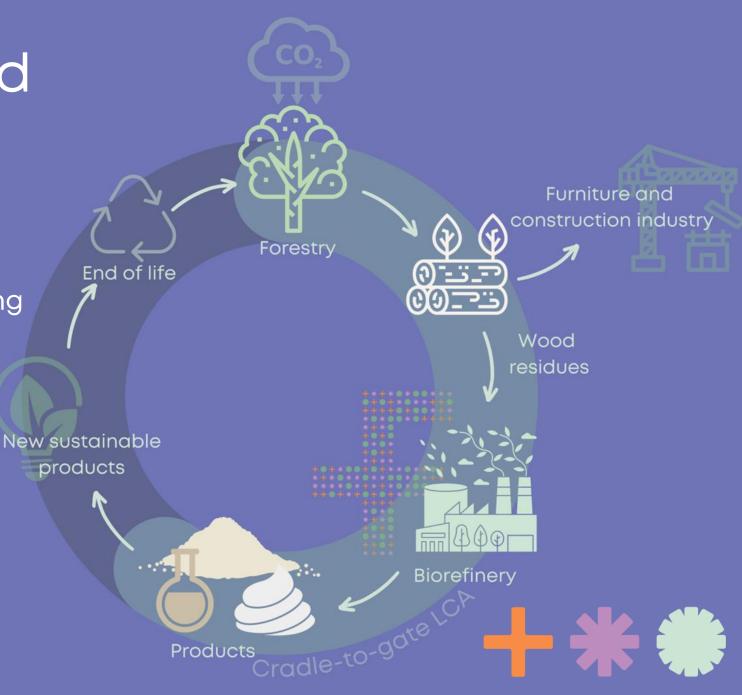
Science based and data driven LCA

High quality primary data is key!

- + We need to move on from using database averages
- + Collaboration

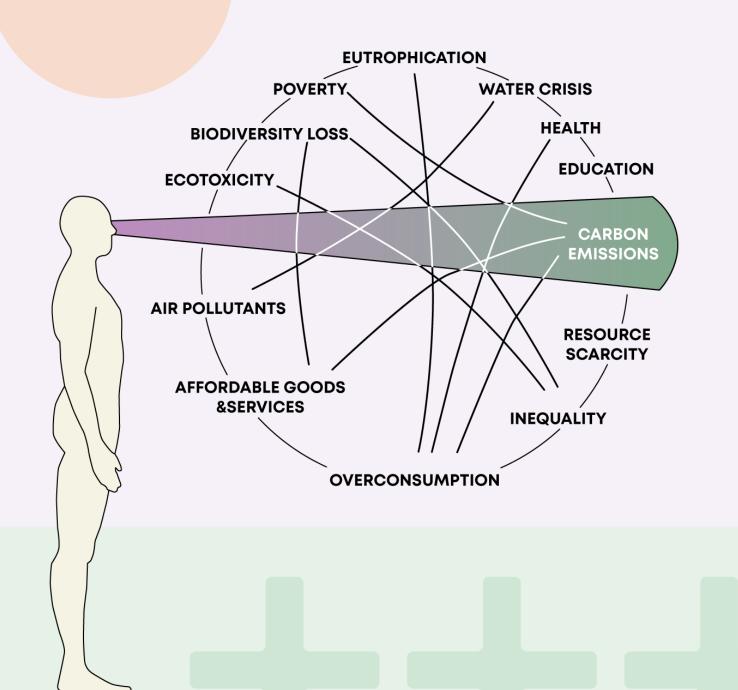
Transparency!

- + NO to selective use of data
- + NO to questionable allocation methods



Carbon tunnel vision

We cannot limit ourselves with talking about CO₂ only!



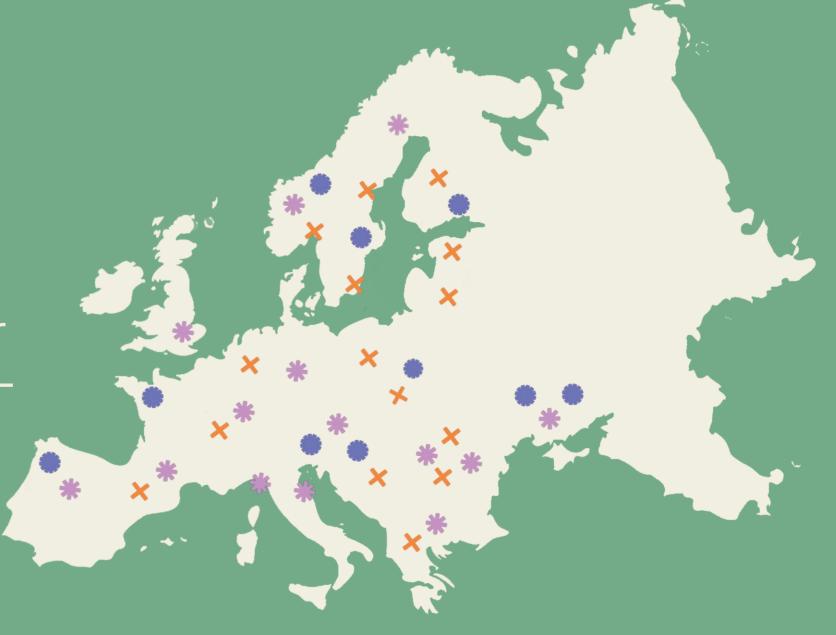


Beyond 2028

From Fibenol to the world: pioneering biomaterials, innovative technology, and expert know-how.

OUR
AMBITION

towards circular bio-based valuechains



Fibenol

Are YOU ready to join the revolution with us?

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