



# SWEETWOODS

## First-of-a-kind fractionation flagship plant

**Peep Pitk**  
R&D Manager  
Graanul Invest



Horizon 2020  
European Union Funding  
for Research & Innovation



Bio-based Industries  
Consortium

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 792061



# Biomass to primary products



Sustainable biomass residues



**CERTIFIED  
RAW MATERIAL  
FULLY TRACEABLE  
SUPPLY CHAIN  
MINIMIZED CO2  
FOOTPRINT  
MINIMAL USE OF  
RESOURCES**



Near native lignin



Low inhibitors sugars

## **DIRECT APPLICATIONS:**

- Biocomposites
- Phenolic resins
- PU foam additive

## **DIRECT APPLICATIONS:**

- Xylose source
- Dextrose alternative
- Superior source for 2G Ethanol



Near native lignin

graanul invest



Low inhibitors sugars



Depolymerized lignin



- Lignopolyols
- Elastomeric foams
- Coatings & Adhesives

Enzymatic conversion

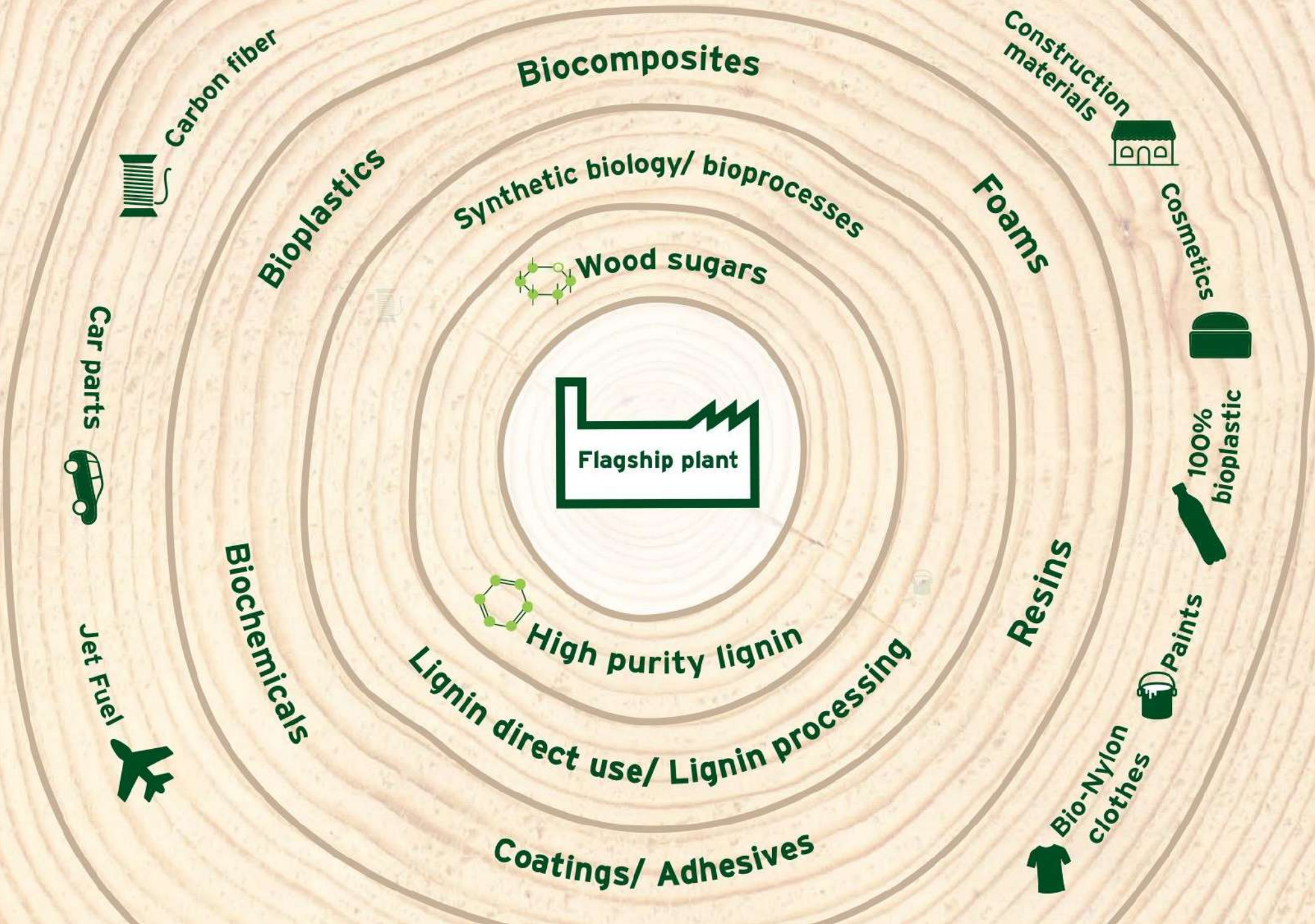


Fermentation



- Fructose
- Glucosone
- Isobutene







# Perspective for bioindustries



- Green Deal ambition and sector regulating strategies need to be aligned to support long-term investments
- Biomass to biobased products - target for highest resource use efficiency, long-life and circularity of products
- Equal rules of the game - fossil based materials and biobased materials footprint whole supply chain comparison





# SWEETWOODS

Thank you!

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 792061



Horizon 2020  
European Union Funding  
for Research & Innovation



Bio-based Industries  
Consortium