

# Background



- PPP coordinating R&D activities in the Netherlands on biobased Performance Materials
- Initiated by Wageningen UR - Food and Biobased Research
- Fills an important gap in research that catalyzes the biobased economy
- Is unique in its construction: industrial partners participate actively from all parts of the value chain
- Start in 2010 & 2<sup>nd</sup> tranche 2015
- Sponsored by the “Topsector” Chemistry

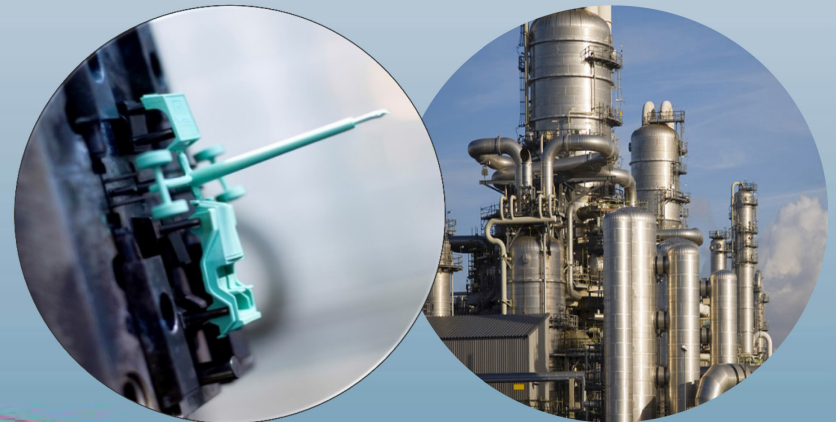


# Goal & Scope



*Cost competitive biobased performance materials  
with substantially improved properties profile*

- Using functionality in biomass
- Using unique structures available in biomass
- Low temperature transformations (wherever possible)
- No biocrude or syngas
- With focus on Products, Materials, Polymers, Monomers
- Circular approach



# Output

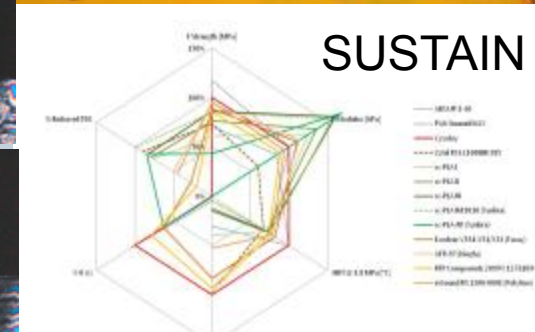
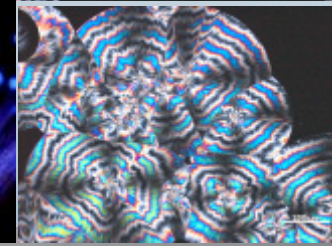
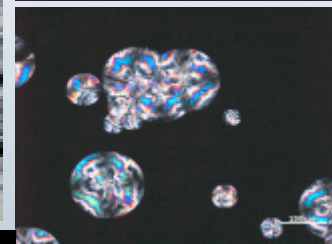
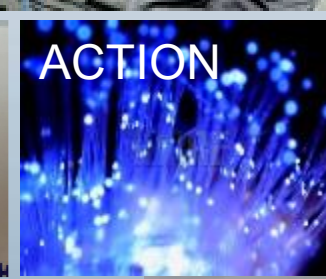
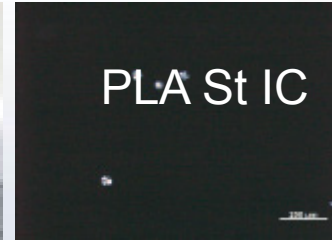


- New building blocks, polymers, compounds and end products
- Patents, scientific publications, posters, etc.
- Books on plastics, composites, building materials, chemical building blocks and sustainability of plant derived oil products





# Completed projects



# New projects (1)



- MAGIC : Rail fastening systems : Edilon Sedra, Croda
- HIPPIE : High performance polymers from isoidide : ADM, DuPont, HCA
- SPECIFIC : Starch PE films with Improved barrier : AVEBE, Sabic
- DISCOVER : Covering materials for Roofing : Icopal, Stichting DAKlabel

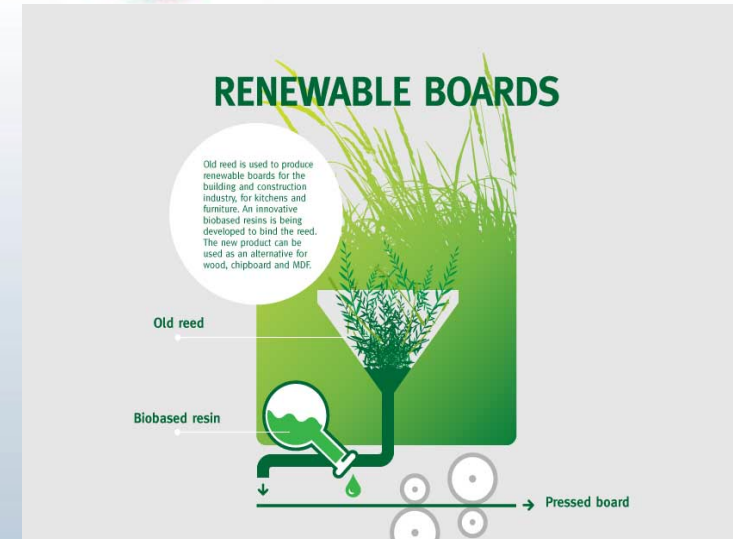




# New projects (2)



- Glue Reed : Renewable boards  
DSM, Natuurmonumenten,  
Compakboard, CS process eng.
- MethaForm : Biobased itaconic  
acid and methacrylic acid  
ADM, EOC, Van Wijhe Verf
- APPS : Applications for PBS  
Reverdia, Promens, Teamplast
- FOAMEX : Extrusion foaming  
Synbra Technology, Nomacorc,  
Sulzer Chemtech







# Biobased Products Innovation Plant

FOOD & BIOBASED RESEARCH  
WAGeningenUR



# Thank you



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