

Mycoplast Industrializing Natural Processes

COMPANY PRESENTATION Arras, June 20th, 2017

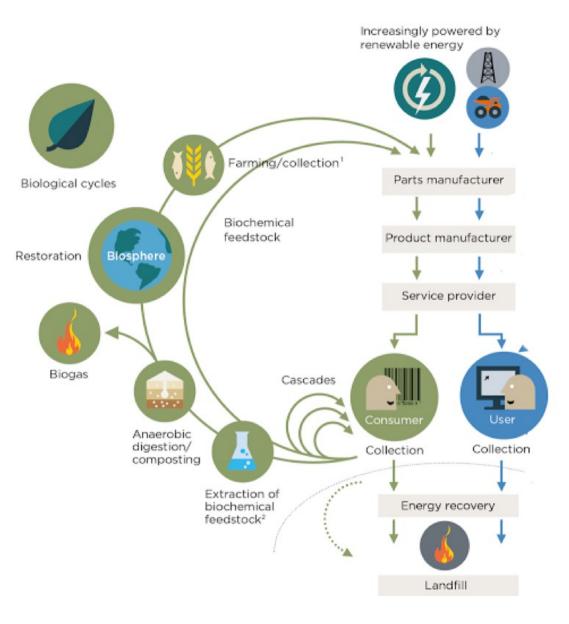




Project framework

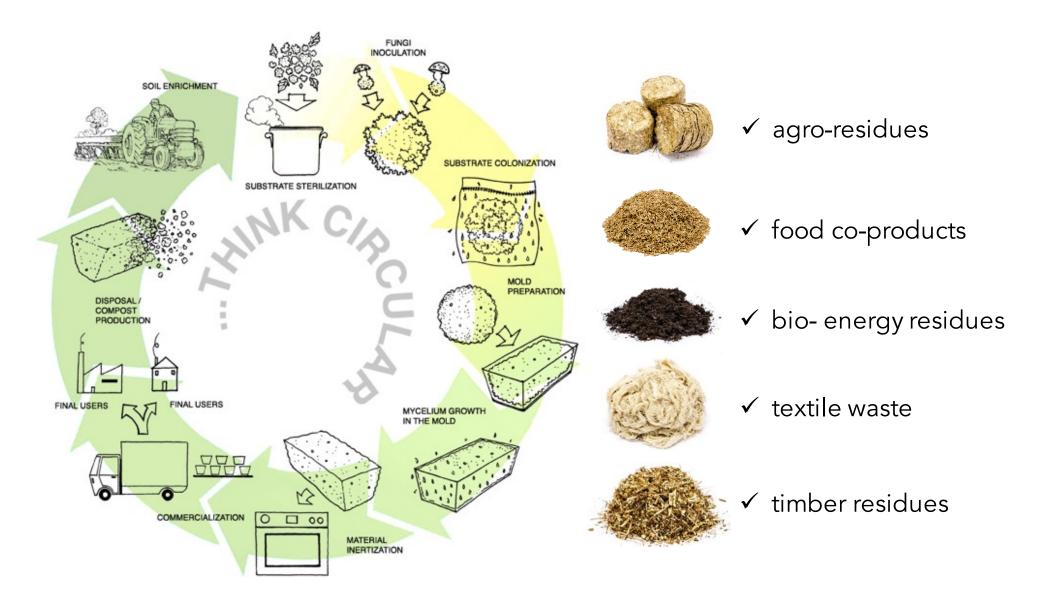


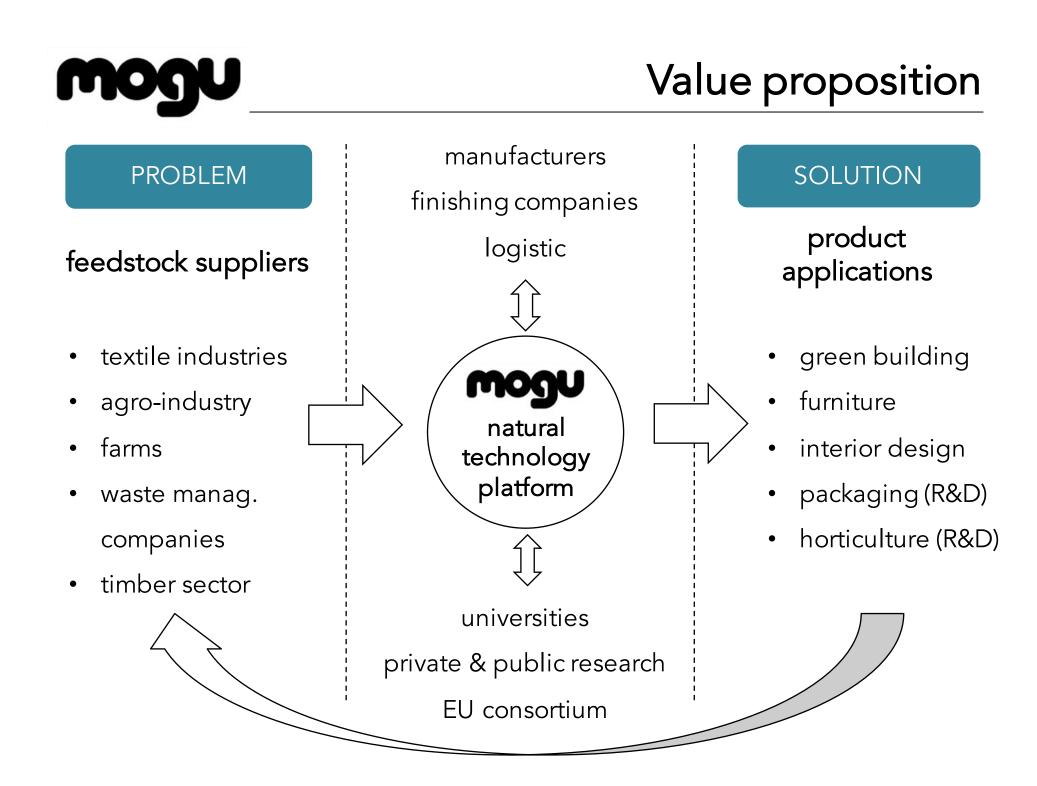






Value proposition



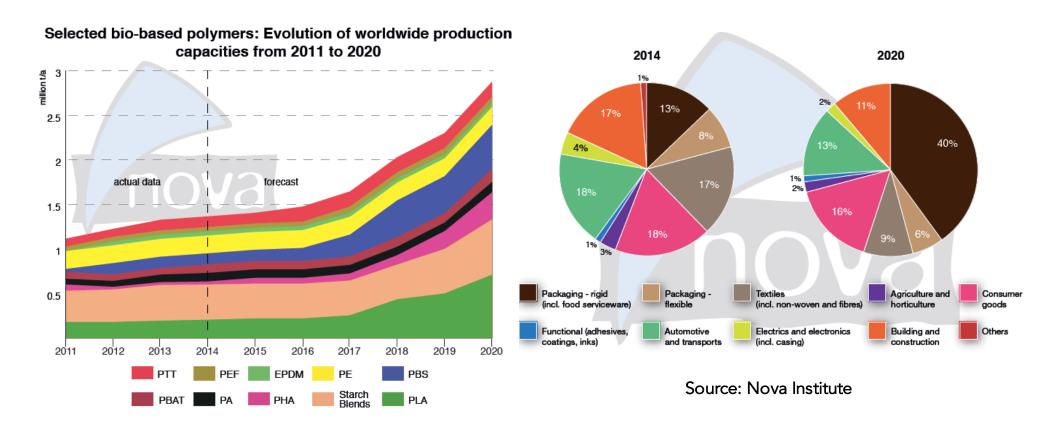




Market opportunities

Bio-polymers from residues represent a sustainable opportunity in an increasing market

- ▶ 1,8 Mton (4 B€) in 2015
- > 3 Mton (8 B€) by 2020





Market opportunities

- **Green building** (100 B€ in EU 19% annual growth rate)
- Flooring market (50 B€ in EU)
- Insulation solutions (6 B€ in EU)

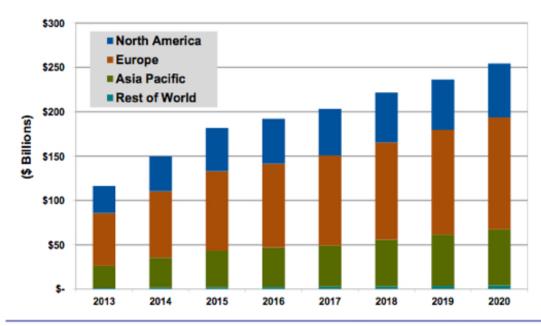


Chart 1.1 Market Value of Green Construction Materials by Region, World Markets: 2013-2020



(Source: Navigant Research)



Mogu Home Products

Mycoplast is developing and commercializing **bio-panels and tiles** (Mogu Home) for:

- flooring
- interior design (bio-architecture)
- green furniture



Towards a greener future - DLA Piper's market report on sustainable real estate





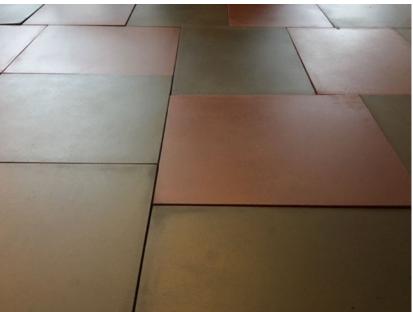
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Mogu Home

MOGU Home panels and tiles can be industrially finished by making use of diverse coating systems, allowing to improve a range of technical performances.

Characteristics	Standard	
Panel size		600 x 600 mm
Thickness		> 8 mm
Fire resistance behaviour	EN 13501-1	Cfl, S1
Thermal conductivity (W/mk)	EN 12664	0,100
Acoustic insulation (dB)		30
Slip resistance	EN 13893	Safe surface
Abrasion resistant	EN 425	no damage





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Mogu R&D projects

Thanks to the versatility of the composite materials from mycelium, Mycoplast is also involved in demo-projects (Horizon 2020 and PPP) for the production of solutions dedicated to massive markets, such as

- ✓ Rigid Packaging (secondary and primary)
- ✓ Horticulture





Company development

Mycoplast development strategy is based on three main pillars:

- Technical development of materials and products
- Brand and market development
- Industrial scale up

The strategy consists in the implementation of three phases:

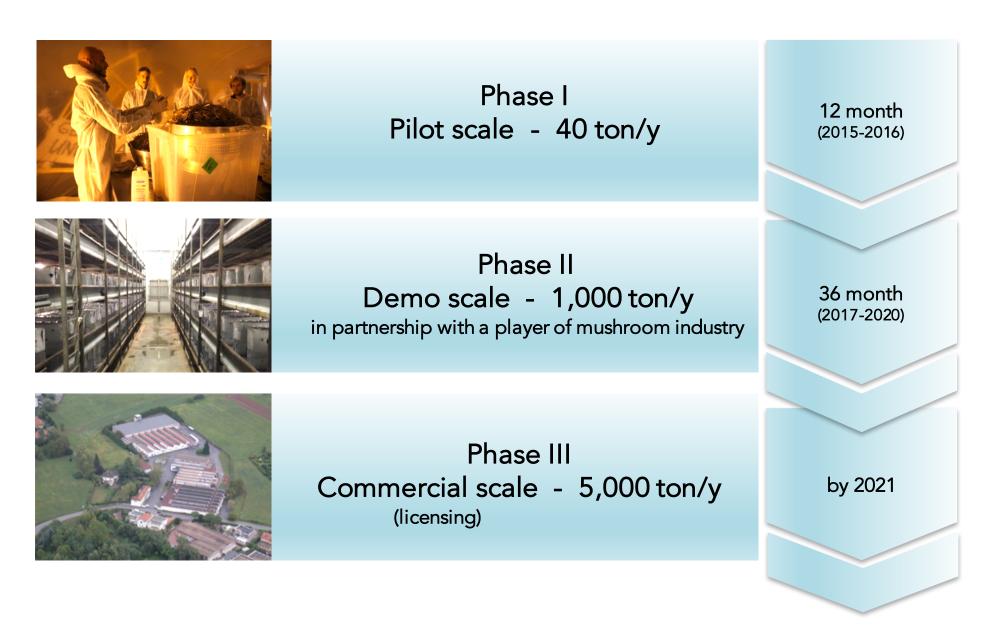
- 1. Pilot phase
- 2. Demo phase
- 3. Commercial phase







Company development





Technical development

CP1 panels (long fibers)



CP2 panels (long fibers)

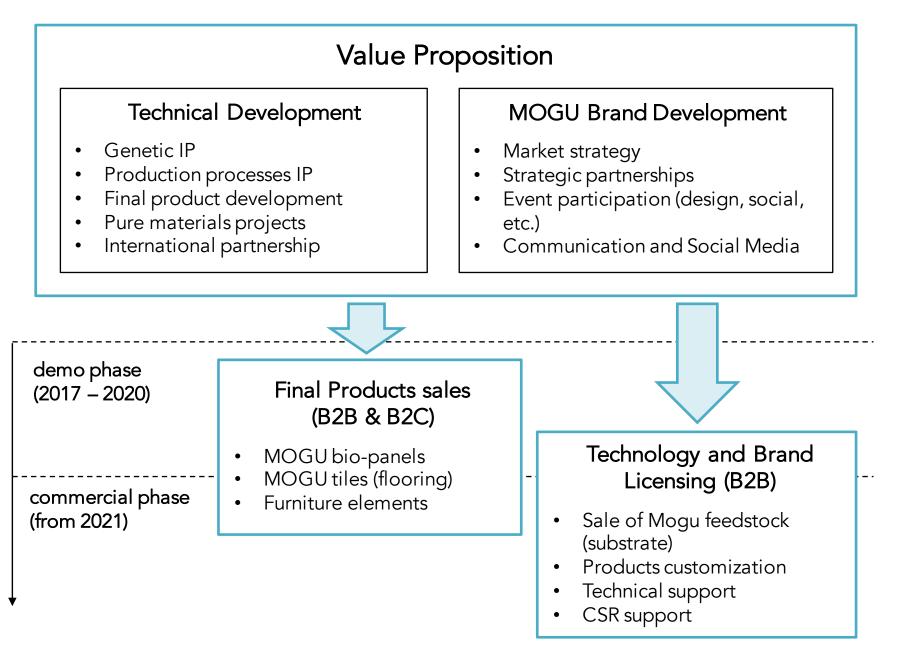




Brand development







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Company Milestones

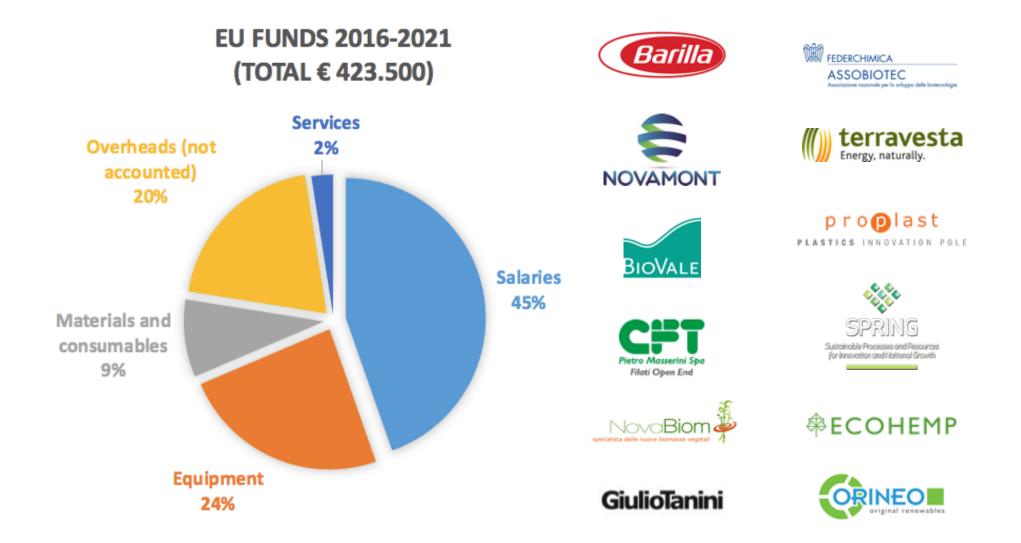
Target achieved

- Prizes and awards in Circular Economy
- ✓ Pilot plant in Varese Province
- Excl. know-how agreement with Utrecht University
- Partnership with Pavia University (fungal strains)
- ✓ Technological partnerships for product dev.
- ✓ Strategic partnerships with final users
- ✓ Company Acceleration Programs
- ✓ Seals of Excellence SME Intrument H2020
- ✓ 2 EU Granted Consortiums participations
- ✓ Market entry (MOGU home pilot scale)





Funds from EU Consortium







Next steps (short term)

- Start-up Demo Plant (1 kton/year 1st module)
- IP on fungal genetic (optimized mycelium strains)
- Partnership with Dutch Mushroom Industry
- Final products certification
- Company Team expansion in Varese
- Market entry demo scale

by June 2017 by July 2017 by July 2017 by Sept 2017 by Sept 2017 by Sept 2017









CEO – Stefano Babbini Manager in agro-industry and bio-energy sector 3 start ups



Director of Research – Maurizio Montalti Designer and industrial engineer bio-materials Founder OfficinaCorpuscoli, International grants&prizes

Business Partner - Federico Maria Grati Manager bio-chemistry industry 3 start ups, Best Fulbright, GSBI



Product Designer – Francesco Giannetti Designer, Architect



Company Shareholders

Product Manager – Francesco Amadio Energy Manager, Environmental Engineer



External relations – Natalia Piatti Sociologist







Lab assistant – Marco Cartabia Mycologist



Sara Cristaldi Press Office Milan Mayor Expo 2015

Company Advisors

Professor Microbiology

Utrecht University

Han Wösten



Carlo Bonadonna **Business Advisor** Innovative Industries



Stefano Babbini – CEO

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...thanks for talking about us!

