

# Green PAC

Polymer Application Centre

Jager – Stenden University of Applied Sciences, Emmen  
Leadership Sustainable Polymers

GreenPAC  
Green Polymer Application Centre



An initiative of



Stenden Windesheim

# Green PAC

## Polymer Application Centre

GreenPAC = CoE Smart Polymeric Materials (SPM)

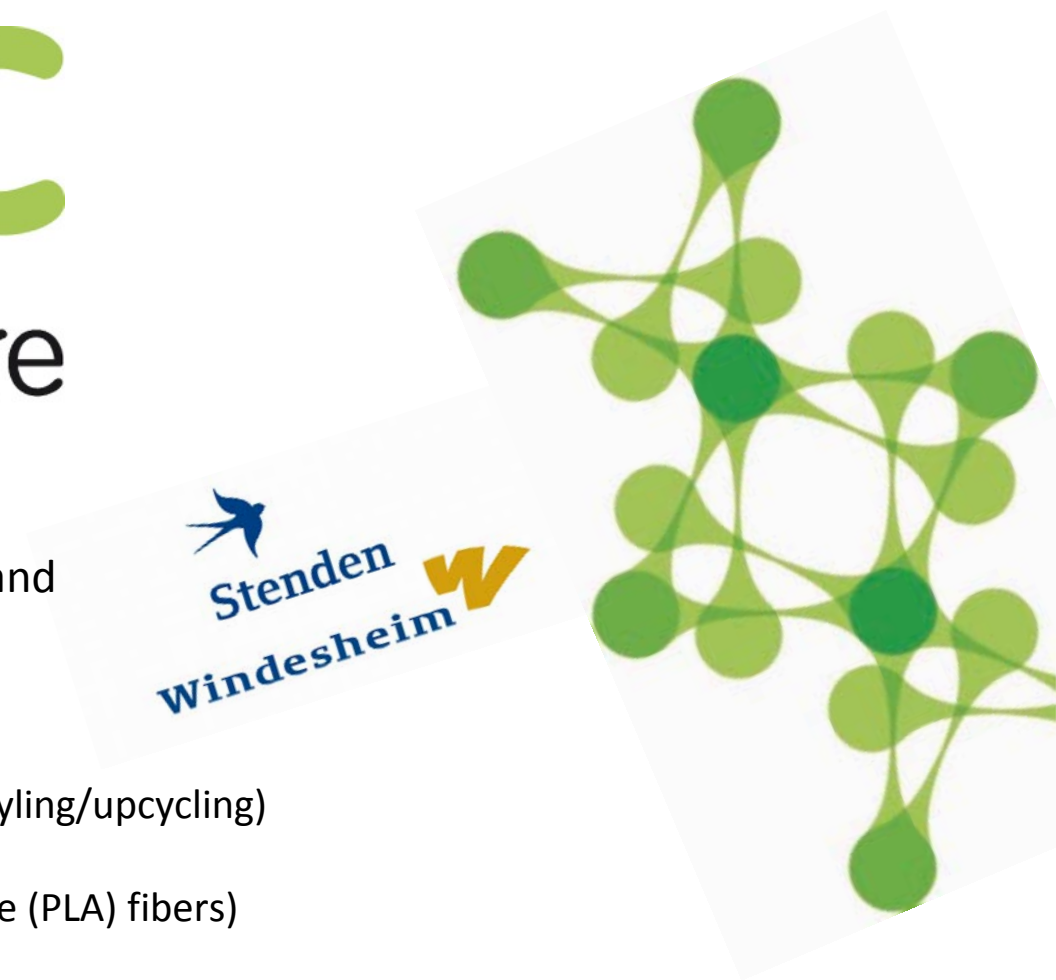
Initiative of Stenden University of Applied Sciences (Emmen) and  
Windesheim University of Applied Sciences (Zwolle)

Topics (together with SME's):

- # Sustainable polymers (biodegradable, compostable, biobased, recycling/upcycling)
- # Biocomposites
- # Fibers (biobased (bioPET30), biodegradable (PBS) and compostable (PLA) fibers)
- # 3D printing

Contacts:

# [www.greenpac.eu](http://www.greenpac.eu)



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Master Polymer Engineering (together with RUG, Wageningen UR, and UT)

New Business Development at the Emmtec Industry & Business Park (COCI)



- On site:
- # DSM EP
  - # Teijin Aramid
  - # Morssinkhof Plastics
  - # Cumapol
  - # Sunoil
  - # Bonar
  - # Inverko Plastics
  - # API



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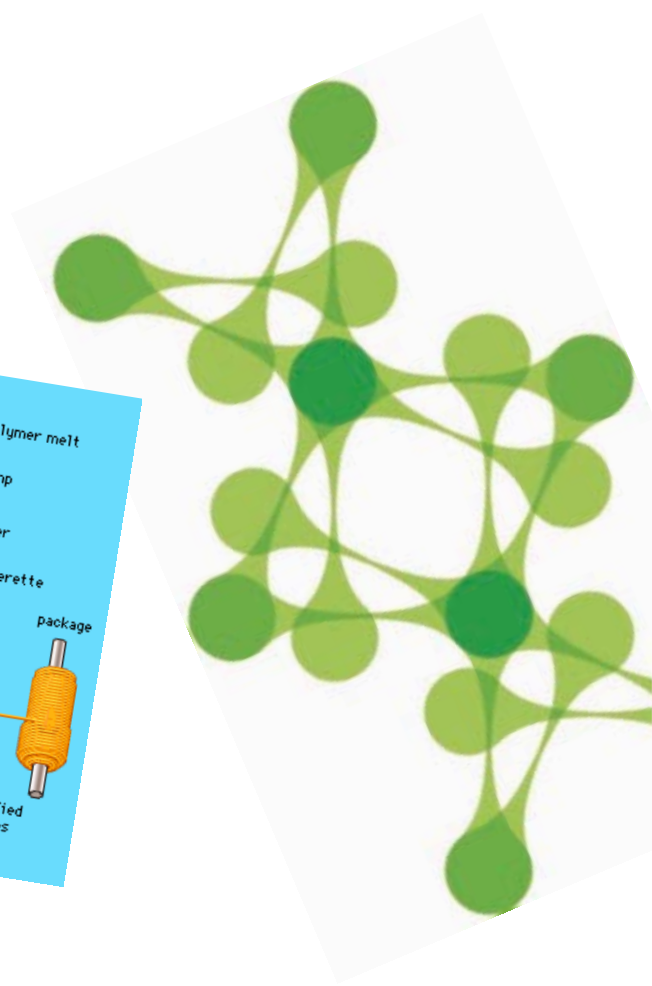
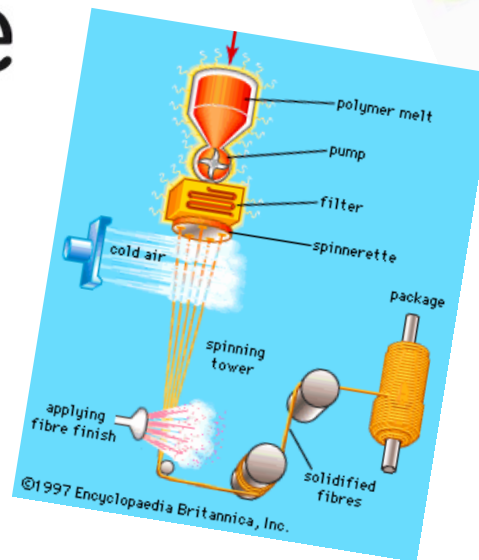
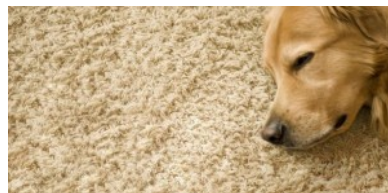
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Topics Green PAC:

• 3rd generation carpets from recycled PET bottles (rPET)

- Small-scale and production spinning machines



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Topics Green PAC:

3rd generation compostable fibers from corn (PLA-based)

- Carpets
- Narrow fabrics



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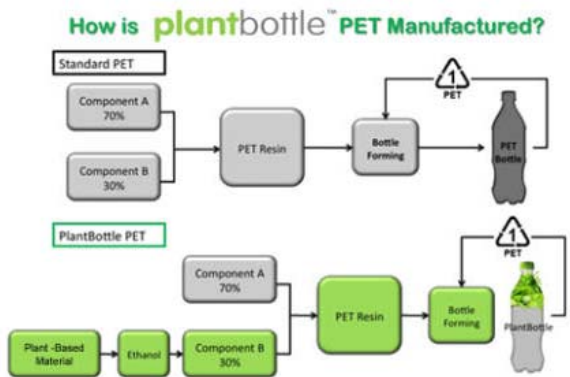
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Topics Green PAC:

1st generation biobased fibers from bioPET30 (Plant Bottle™) and bioPET100



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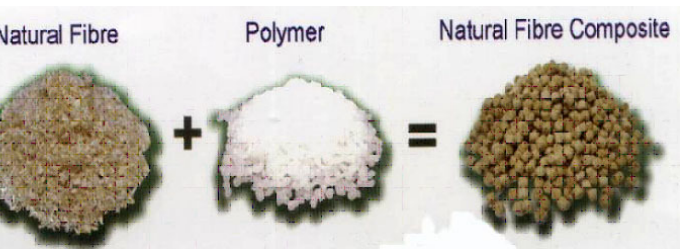
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Topics Green PAC:

### Composites

Biobased thermoplastic polymers and thermoset resins  
Natural fibers (wood, hennep, flax, paprika, tomato)



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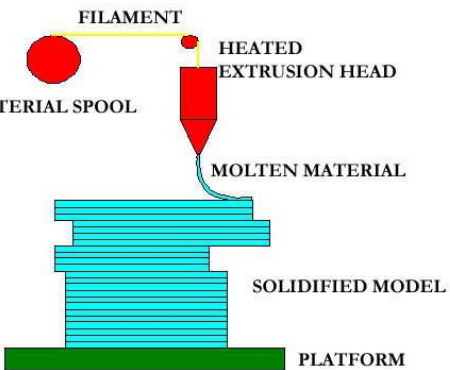
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Topics GreenPAC:

Materials and applications for FDM 3D printing techniques



### Properties

- Conductive (CNT)
- Elastic
- Biodegradable
- Etc.



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**Thanks for your attention**

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