

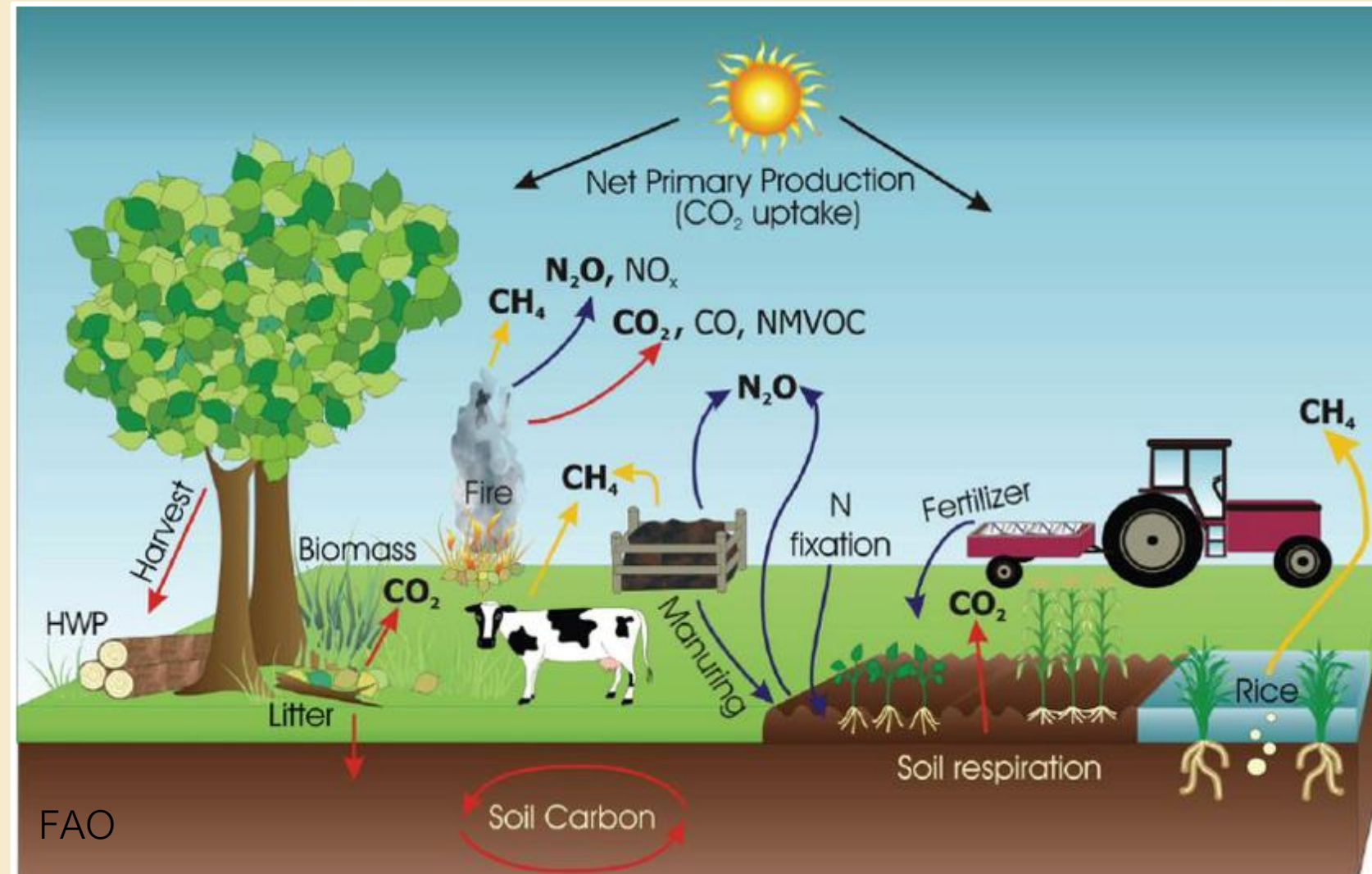


# Accelerate Sustainability in Agriculture and Textile through Cellulose-Based New Materials

# A core expertise in agri-cellulose pulp



# What to consider in agriculture

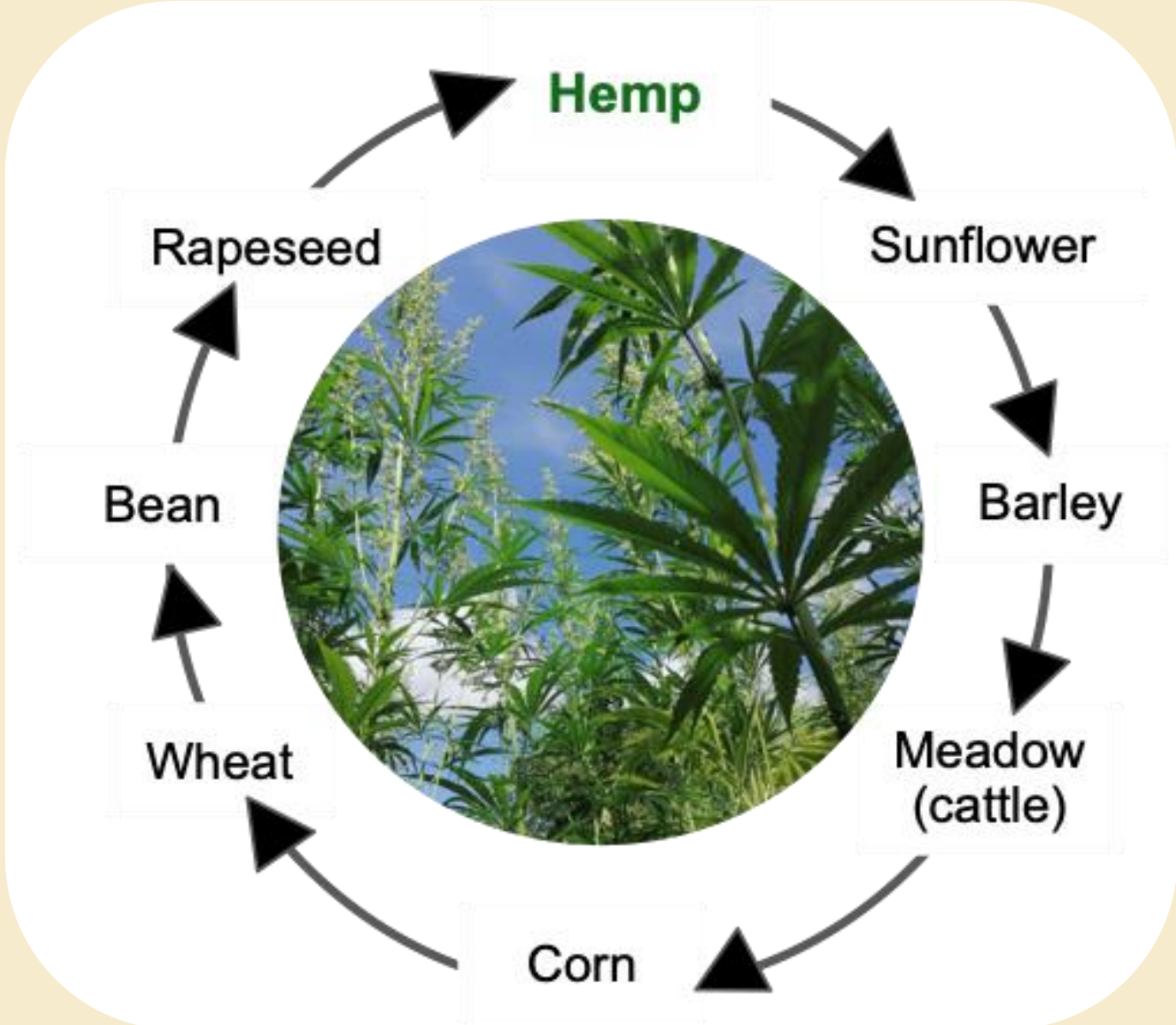


- Deforestation
- Chemical fertilizers
- Pesticides and herbicides
- Animals
- Crop burning



- What can I take / export from a field
- How to grow crops efficiency
- What to give back to nature
- Carbon storage, water and soil protection

# Hemp: different models, our favorite crop



	Oilseed hemp	Textile hemp
Sowing	April / May	
Harvest period	September	August
Retting?	Not necessary	Yes, in the field
Seeds yield	≈ 1 Ton per Ha	None
Stalks yield	3 to 5 Tons per Ha	6 to 7,5 Tons per Ha
Dedicated machinery	Not necessary	Preferred

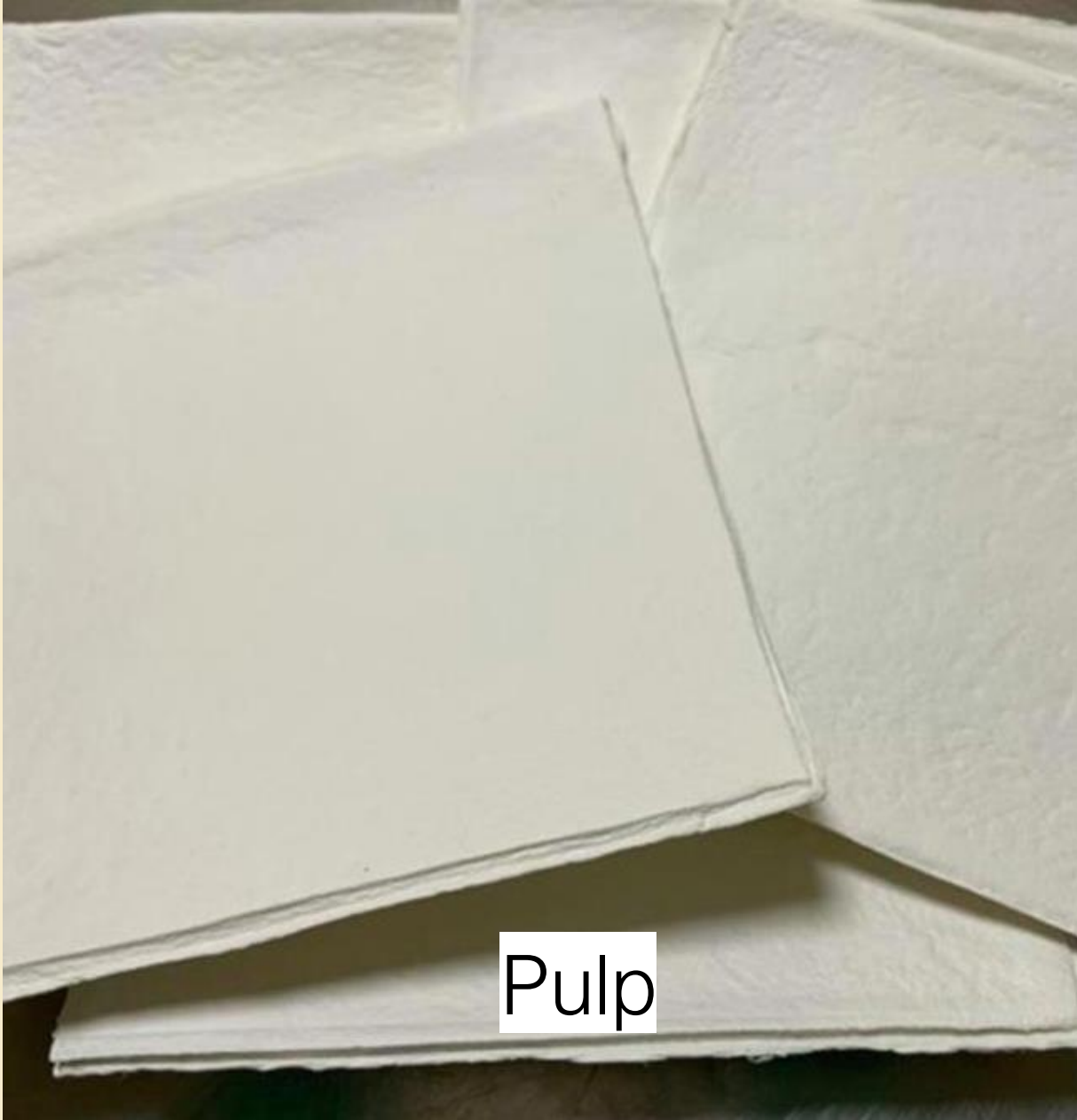
# Other feedstock used for our process



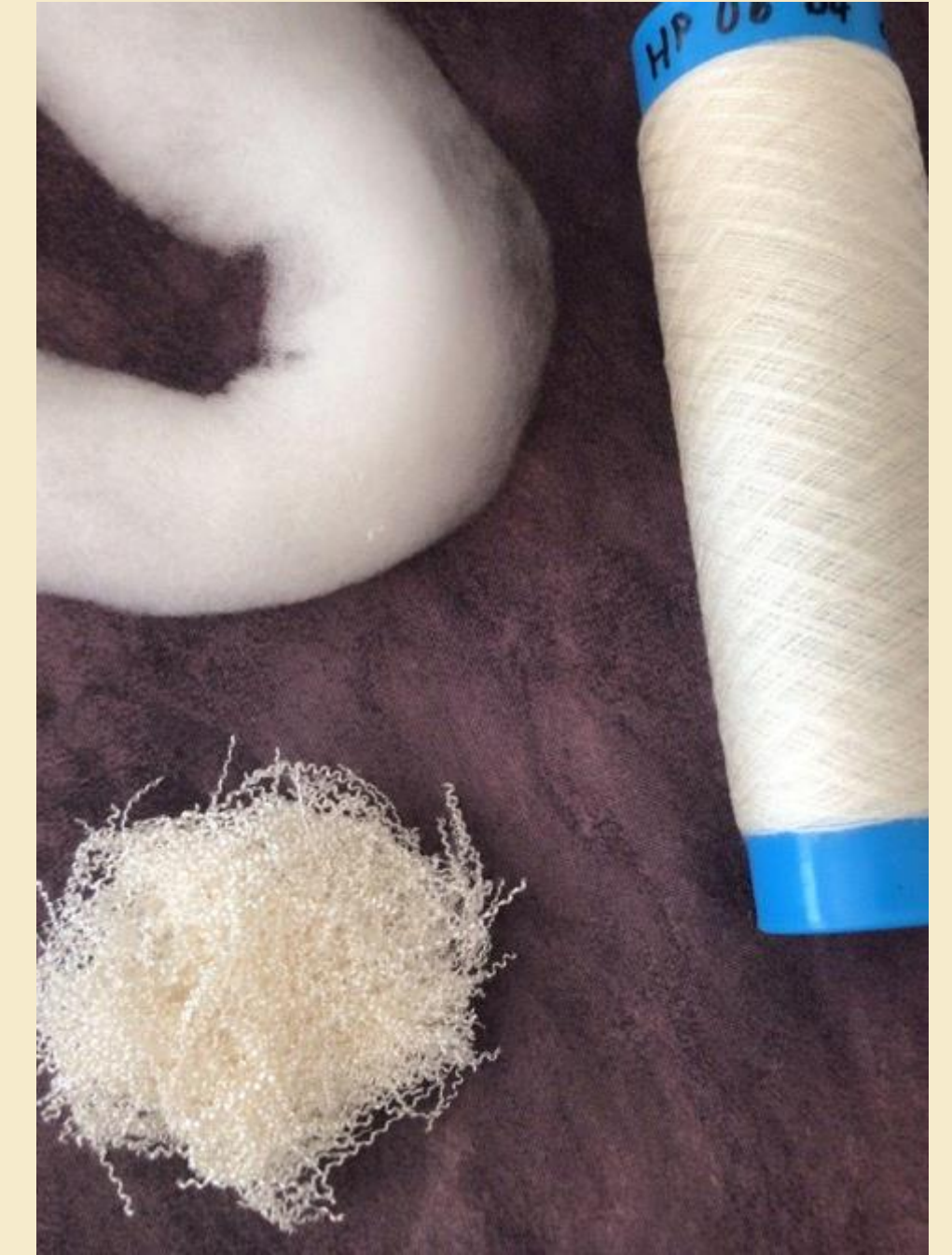
- Rotation crop
- Little need in water
- By-products widely available



- Perennial crop
- Easily organic
- Suitable for sensitive areas / wetlands



# A fruitful collaboration with DITF since 2020



100% Iroony hemp cellulose



Article

## Next-Generation Cellulosic Filaments from Hemp Pulp via Dry-Jet Wet Spinning Using HighPerCell® Technology

Antje Ota <sup>1,\*</sup>, Marc Philip Vocht <sup>1</sup>, Ronald Beyer <sup>1</sup>, Anne Reboux <sup>2</sup>, Charles Reboux <sup>2</sup> and Frank Hermanutz <sup>1</sup>

# Perspectives of market applications

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Fashion tech week Paris 2019



Open end spinning  
with cotton & bast fibers  
Ensait 2023

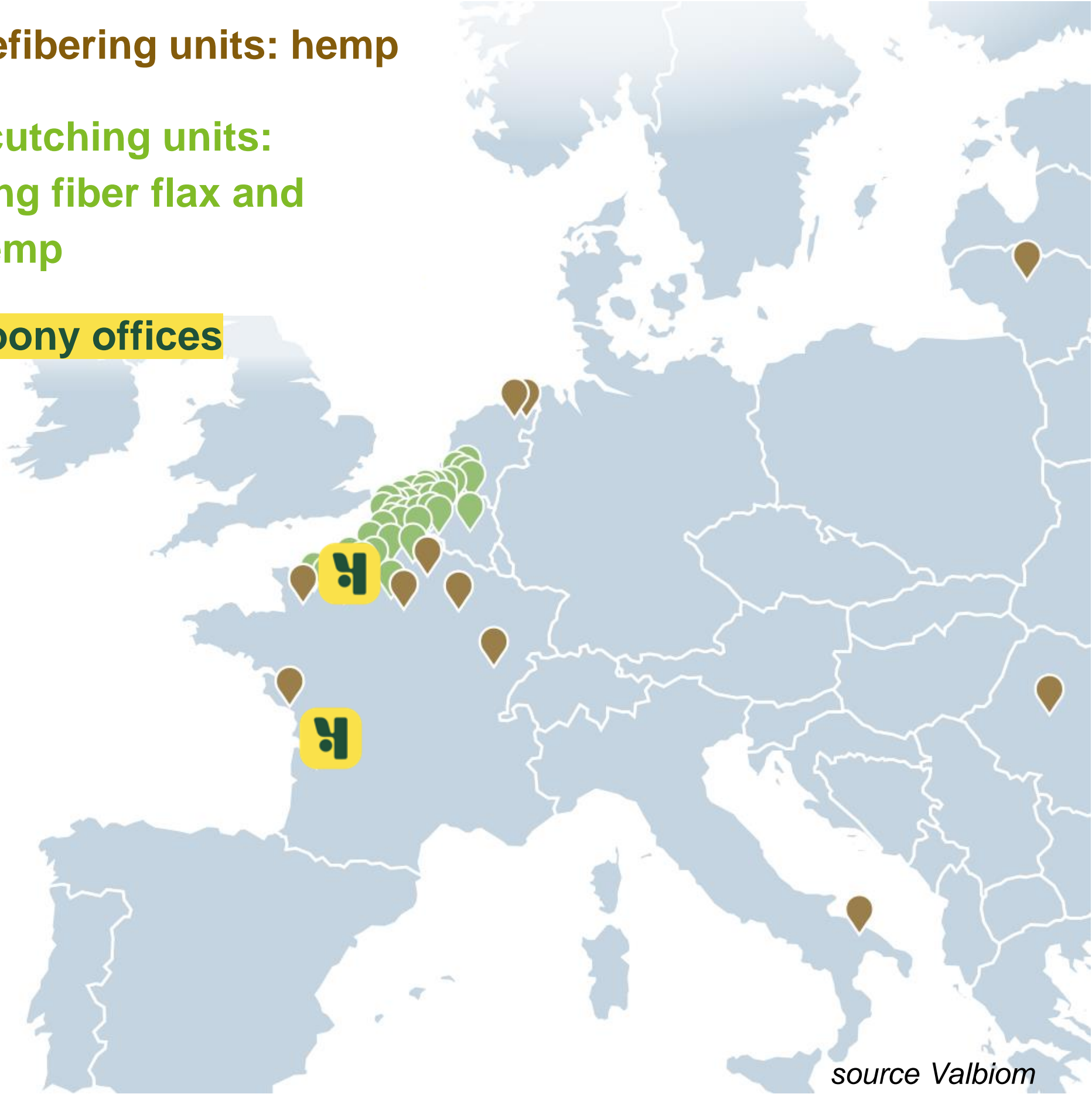


Luxe Pack Paris 2023

# Think global / Act local



- 📍 Defibering units: hemp
- 📍 Scutching units: long fiber flax and hemp
- 📍 Iroony offices







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