

Holistic Diagnosis of the Company

Papillon Bleu

Source: Papillon-Bleu



Leicestershire

The company wants to pass from **2** hectares to **9** hectares in the year 2023

Hemp-30

Source: University of York, 2021



Increase **800** hectares to **80.000** hectares

Regenerative Agriculture

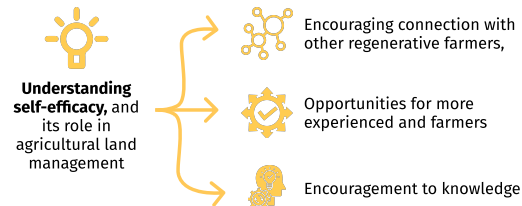
Source: NRDC (Natural Resources Defense Council), 2021; Kimberly Brown, Jacki Schirmer, Penney Upton, 2022; Hannah Gosnell, Nicholas Gill, Michelle Voyer, 2019

As a philosophy and approach to land management that asks to think about how **all aspects of agriculture are connected through a web** instead of a linear supply chain.

The holistic principles behind the dynamic system of regenerative agriculture are meant

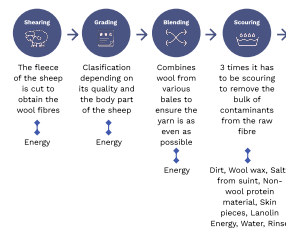


A farm system could simultaneously **regenerate** the **natural landscape** and **produce enough agricultural product** to meet the social and economic needs of the farmer and their community.



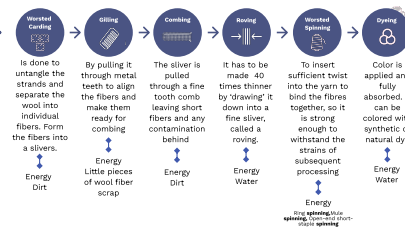
Production phases of wool

Source: Wool Mark, 2022; Clothing study, 2021; Solitude wool, 2023



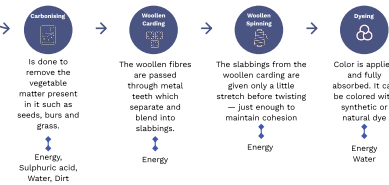
Worsted processing

Contains the longest wool fibers, is used to make flatter, lighter and smoother fabrics



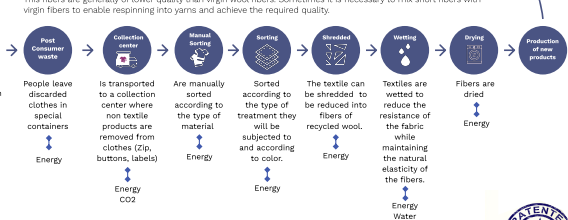
Woolen processing

Created from the shorter wool fibers, is used to make thick, heavyweight woven or knitted garments



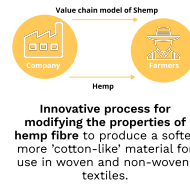
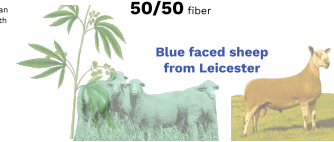
Recycled wool

Source: ProQuest, 2022



Shemp

A Natural Fiber obtained by blending **wool** and **hemp**. Now they are testing **70%** wool and **30%** hemp. In the future they would like to produce **50/50** fiber



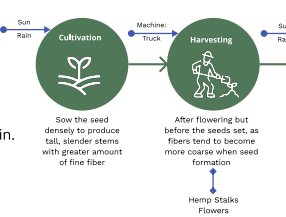
Papillon Blue has a textile that already has a **patent** and need both, farmers and employees to have training to handle the material in all its phases

Documentation exists but at the moment there are **no tools to share this information**

Production Process of Hemp

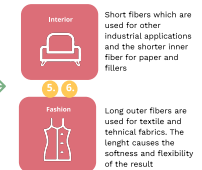
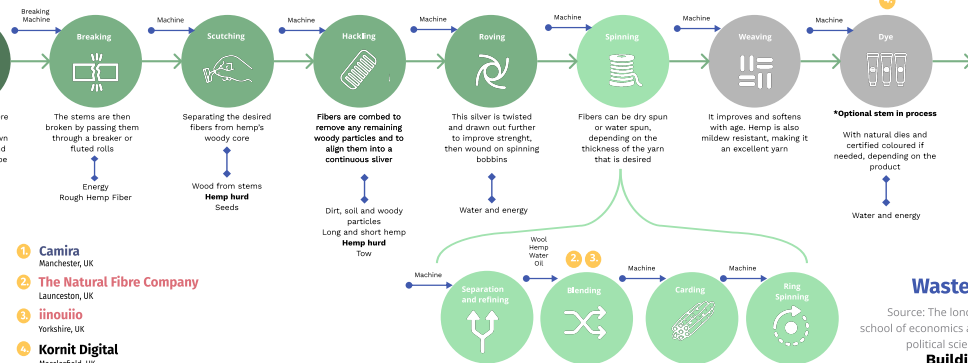
Source: Recreator - Hemp 101, 2017; Vermeulen, 2019; Technology Institute, 2022

Location: In Field



Location: Huit Farm

Earl Shilton, Leicestershire

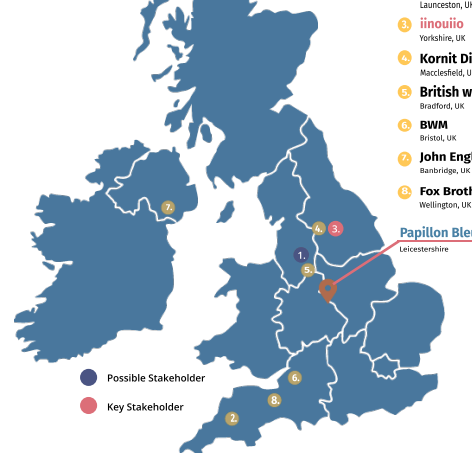


Long outer fibers are used for textile and technical fabrics. The length causes the softness and flexibility of the result

Post use wastes
Cuten fibers result of production

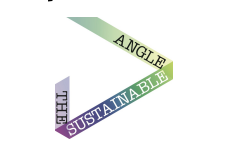
Stakeholders

Geographical Location of the Stakeholders



1. Camira Manchester, UK
2. The Natural Fibre Company Launceston, UK
3. inouioio Yorkshire, UK
4. Kornit Digital Macclesfield, UK
5. British wool Bradford, UK
6. BWM Bristol, UK
7. John England Banbridge, UK
8. Fox Brothers & Co Ltd Wellington, UK
9. Papillon Bleu Leicestershire

Important Actors



Is a not-for-profit organisation and founders of #FutureFabricsExpo. They initiate and support projects with a focus on sustainability in Fashion and Textiles and related industries such as food and agriculture.

They design and manufacture upholstery and panel textiles for every space and sector, from commercial and education, to healthcare and hospitality, to passenger transport.



Textile Circularity by Camira

Wastes:

Source: The London school of economics and political science

Building materials and Animal Feed



Provide a wide range of processing services and support to help our customers add value to their wool, mohair or alpaca.

Emerged from a small family business, recycling wool. The aim is to make textiles with the most responsible materials and methods.