Hemp in Europe: an overview

CDG ARABLE CROPS – COTTON, FLAX & HEMP SECTORS
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Position: Vice-Chair of the Working Party on Flax and Hemp

The united voice of Farmers and their Cooperatives at European Level

copa cogeca
european farmers european agri-cooperatives

Mission

To ensure a viable, innovative, competitive EU agriculture and agri-food sector guaranteeing food security to half a billion people throughout Europe.

Objective

Promoting European farmers and agri-cooperatives views to **influence** EU decision-making process and public opinion.

copa

european farmers

- Created in **1958**
- **22** million European farmers and family members
- **60** full members from the EU Member States and 36 partner organisations

cogeca

european agri-cooperatives

- Created in **1959**
- **22,000** European agricultural cooperatives
- **35** full members from the EU Member States, 4 affiliated members and 36 partner organisations

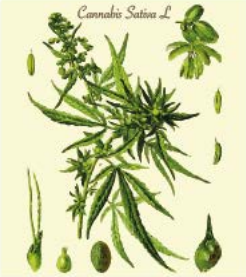
In **1962**, a joint Secretariat was created, making it one of the largest and most active organisations in Brussels for the past **60** years.

The Hemp Plant in History

Cette plante accompagne l'humanité depuis ses origines.

8 000 ans av. J.-C. *la plante pousse à l'état sauvage.*

2 727 ans av. J.-C. *le chanvre est cité pour la 1e fois dans un texte de la pharmacopée.*



Dès l'antiquité, le chanvre se cultive pour le textile, les cordes, la cosmétique et l'usage thérapeutique.
En 800, Charlemagne classe le chanvre dans les produits de première nécessité, comme le pain.
Le 1e papier à base de chanvre inventé en Chine 100 ans av. J.-C. arrive en Europe au XIIe siècle.

In 1456

Gutenberg printed the first Bible on hemp paper, as was printed the US Declaration of Independence in 1776.

In 1666

Louis XIV commissioned Colbert to build the Corderie Royale to develop his naval power. An average ship required 60 to 80 tons of hemp for rope and 6 to 8 tons for sails.

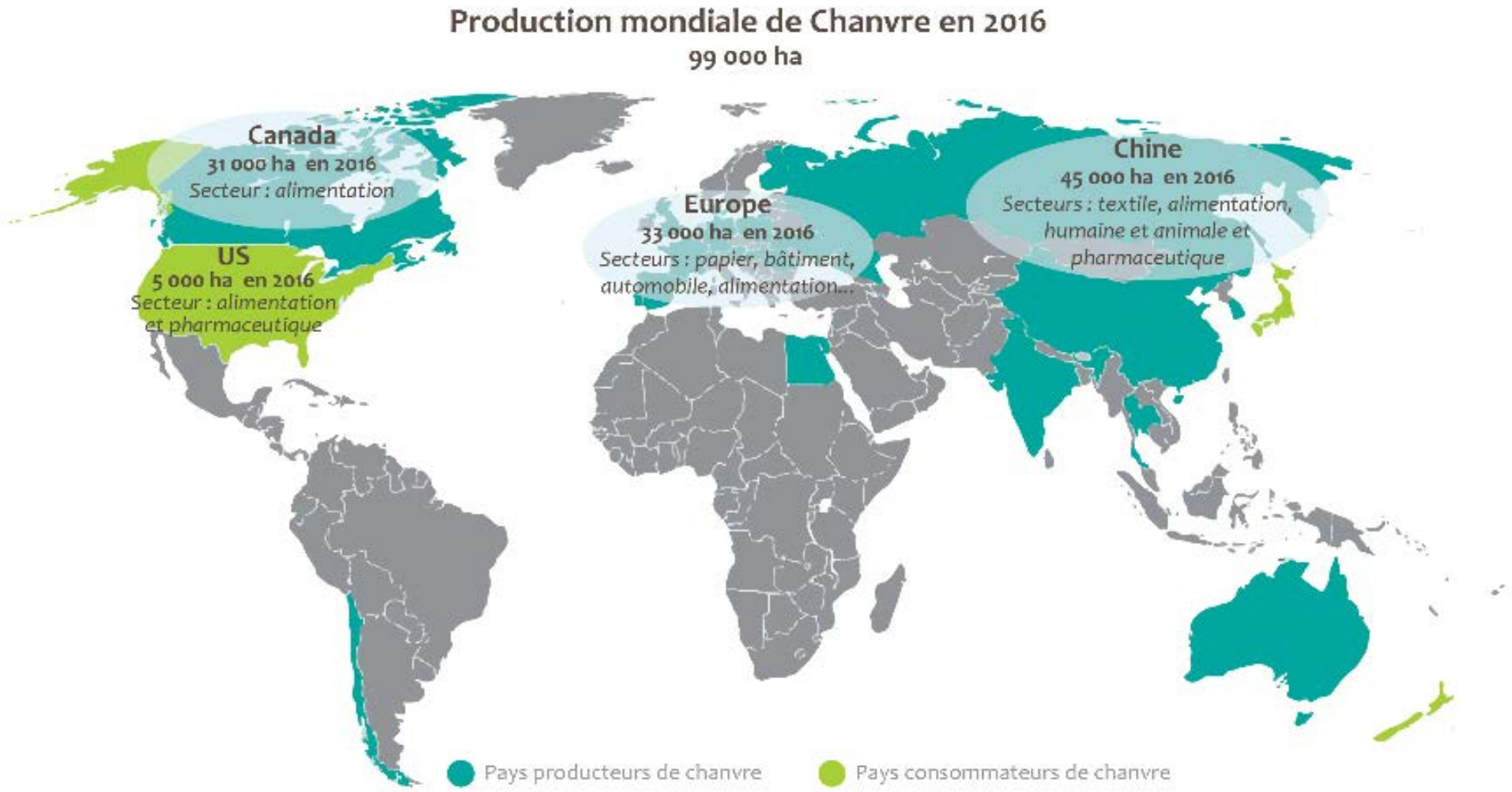
At the beginning of the 20th century

Hemp was one of the most widely cultivated plants in the world.

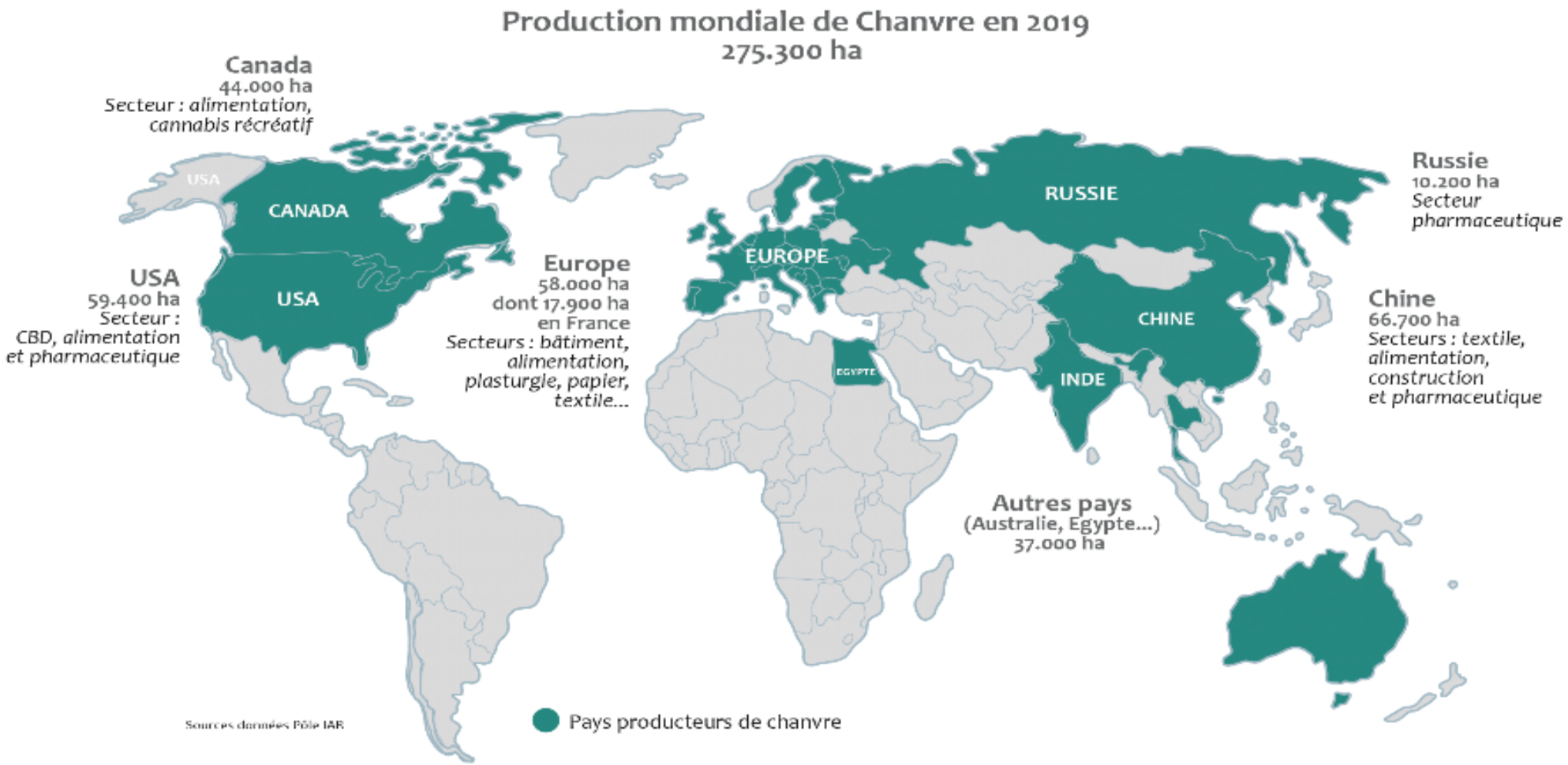
In 1937

The US levied a tax on hemp to limit cultivation and the Nylon patent was filed at the same time.

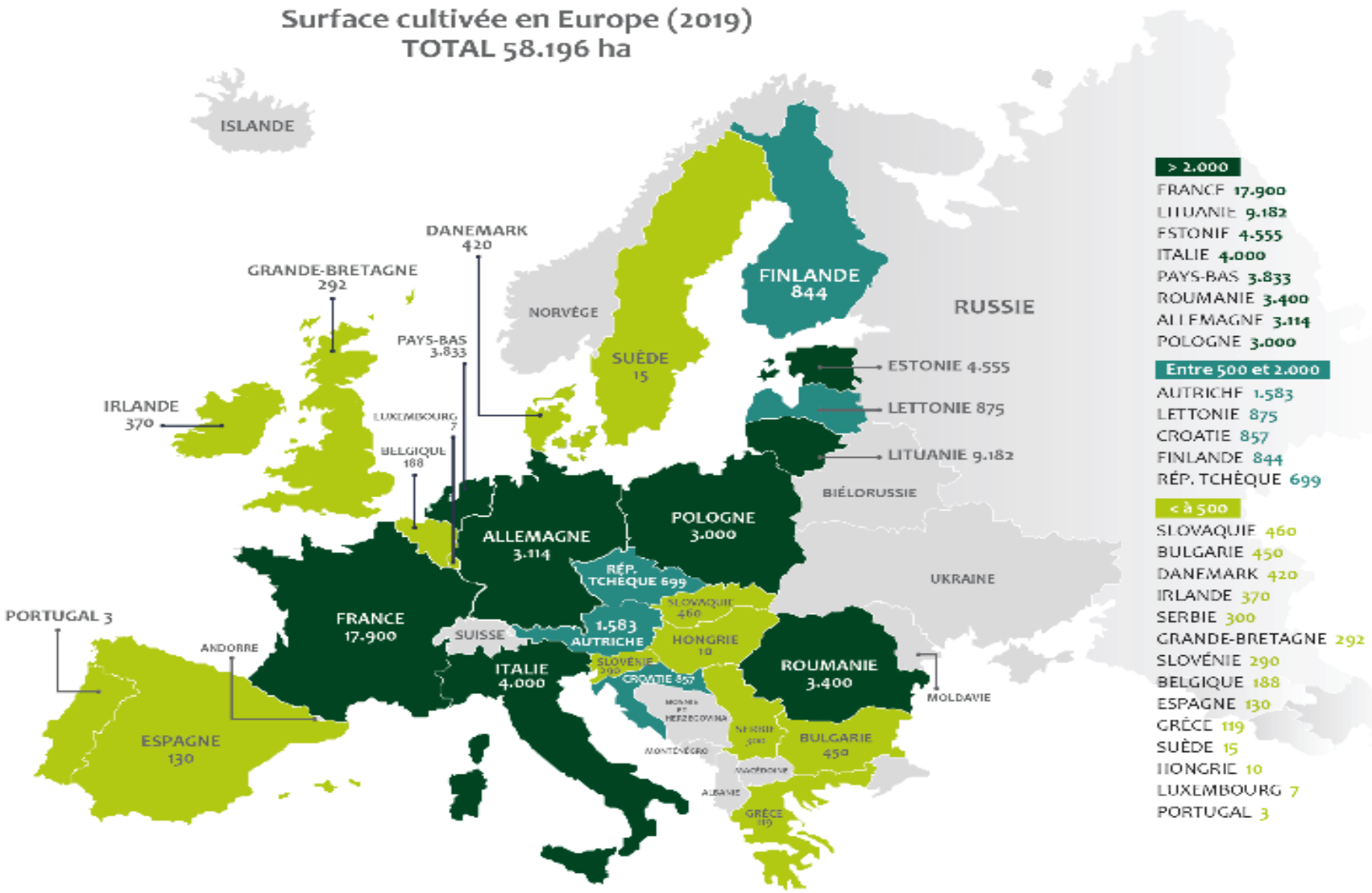
Hemp in the world



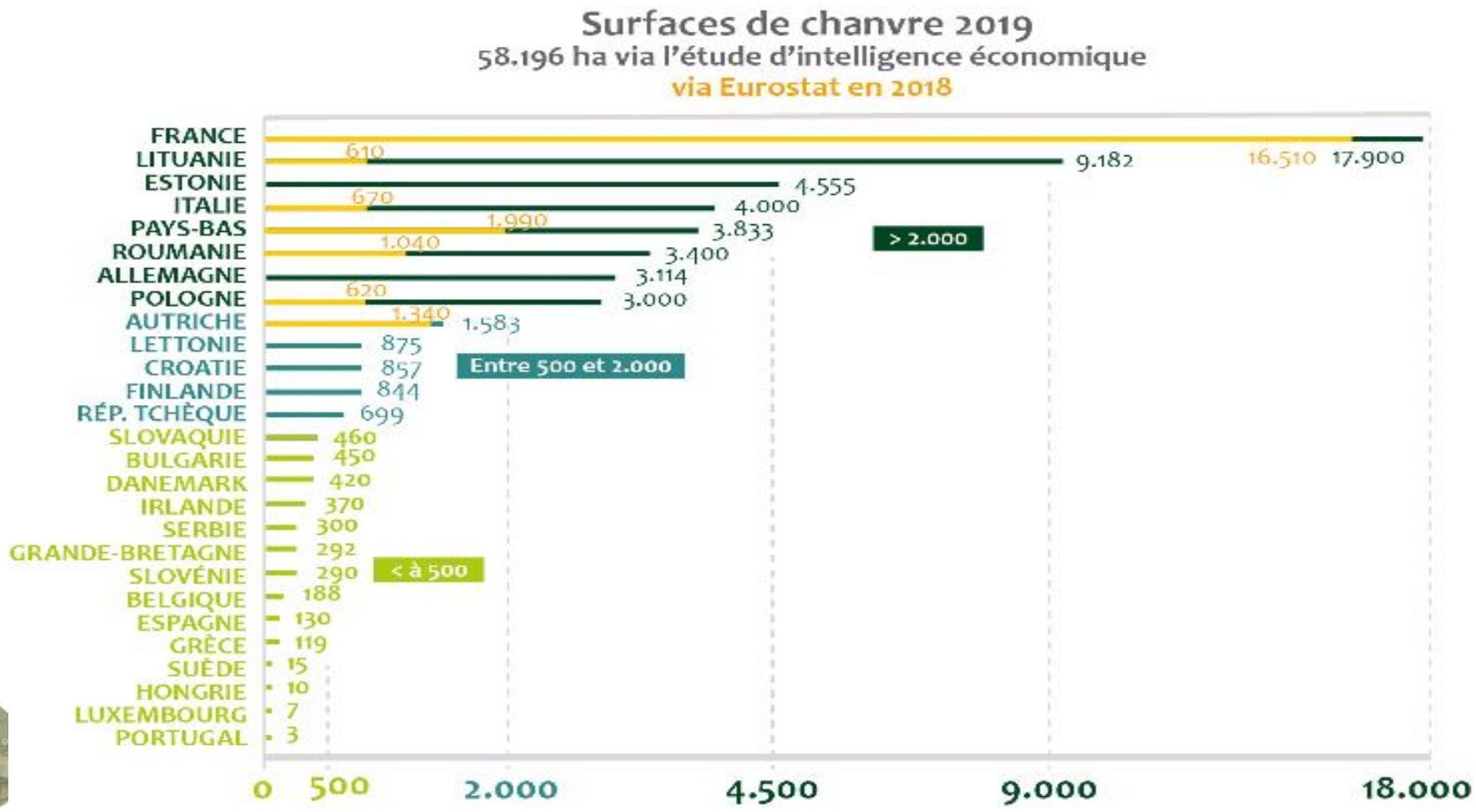
Hemp in the world



Hemp in Europe

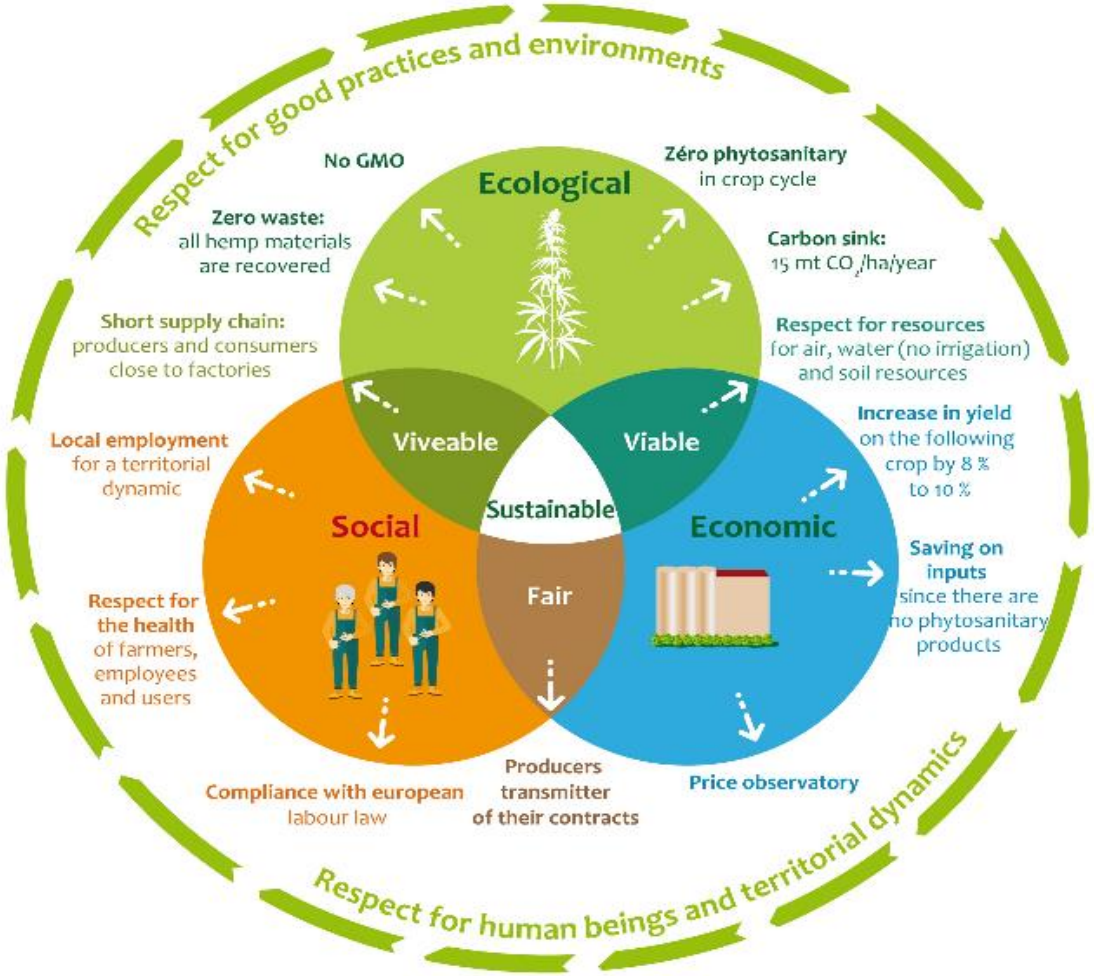


Hemp in Europe



Hemp = sustainable development

Local development and 100% in accordance with the Green Deal's objectives



Hemp products

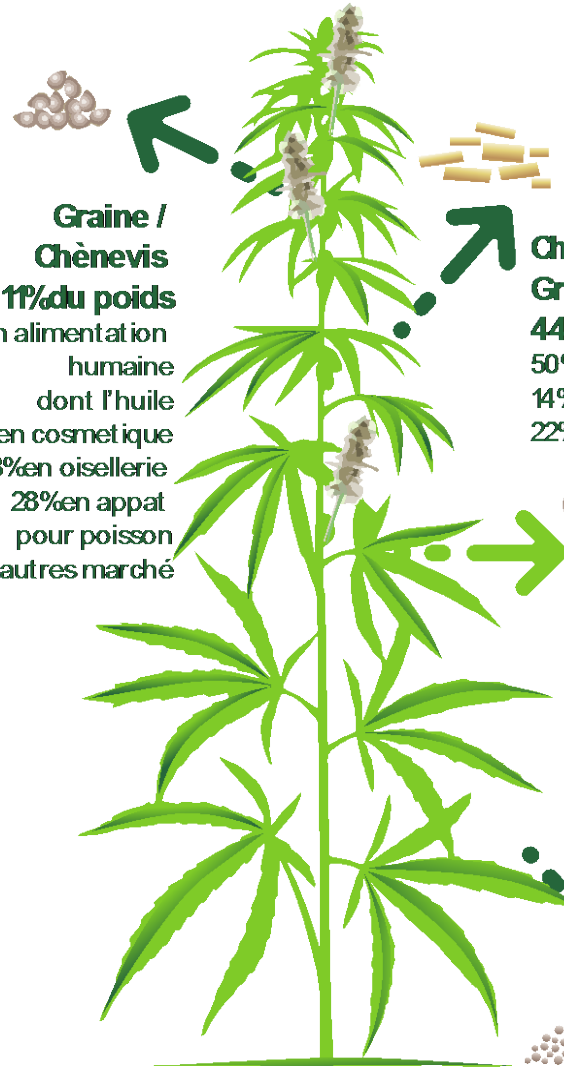
From processed products to markets

Average yield

In hemp seed 1 t/ha

Average yield

In straw 6.5 t DM/ha



Graine / Chènevis
11%du poids
15%en alimentation humaine dont l'huile
1%en cosmetique
53%en oisellerie
28%en appat pour poisson
3%autres marché

Chènevotte / Granulat
44%du poids
50%en litière pour animaux
14%dans le bâtiment
22%en paillage pour jardin

Fibre 24%du poids
56%pour les papiers spéciaux
29%pour l'isolation
9%en Plastiques biosourcés
1%en textile
5%sur d'autres marchés

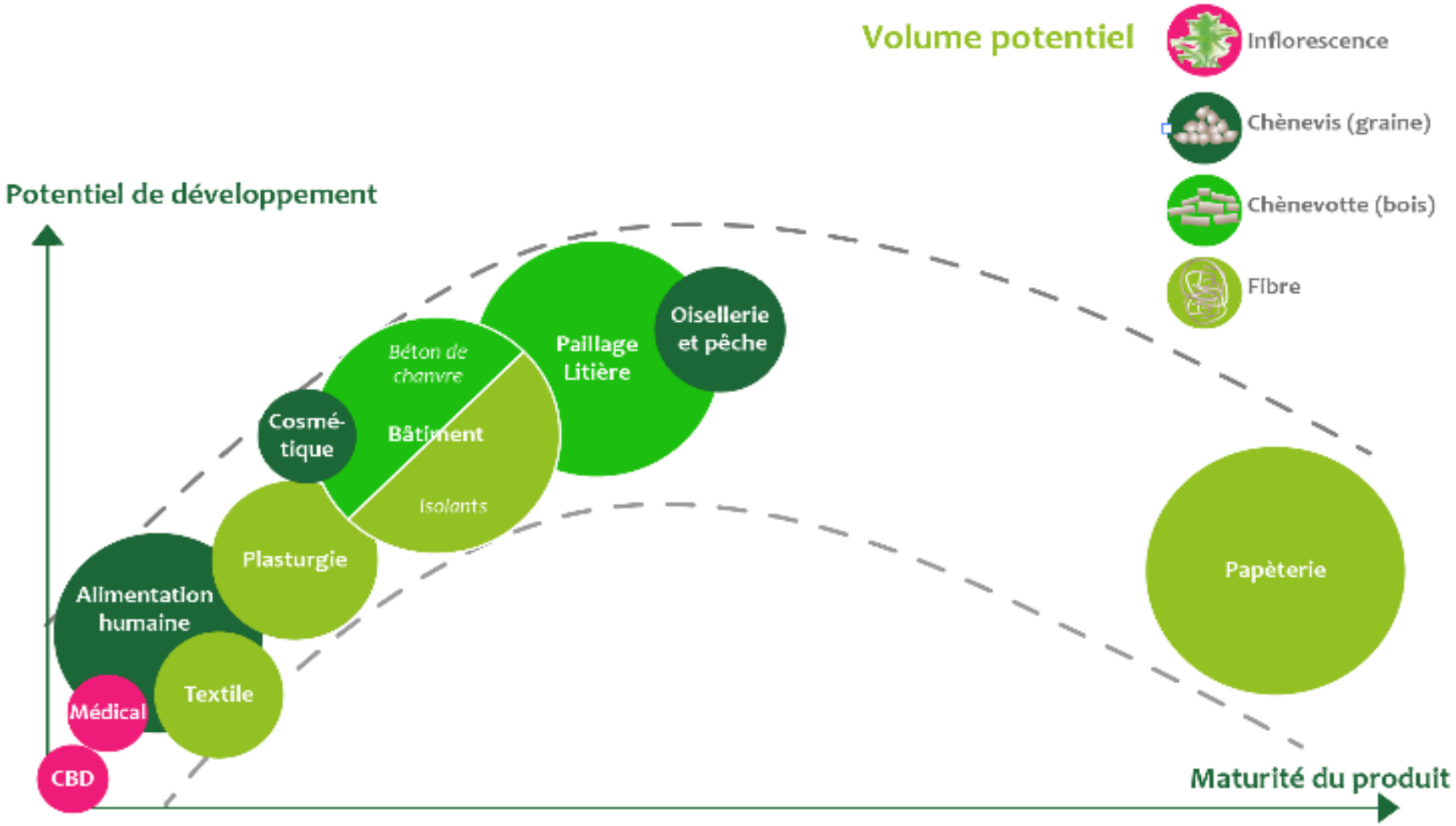
Poussières
21%du poids
Valorisation diverses (énergie)

Controlled varieties with less than 0.2% THC

(European standard)

Positioning of products

Life cycle



Les différents marchés du chanvre

Alimentation

Bâtiment

Automobile

Bénéfices :

- Allègement de 20% du poids des pièces
- Les fibres sont renouvelables
- En fin de vie, les plastiques en chanvre sont recyclables

Jardin

Litière

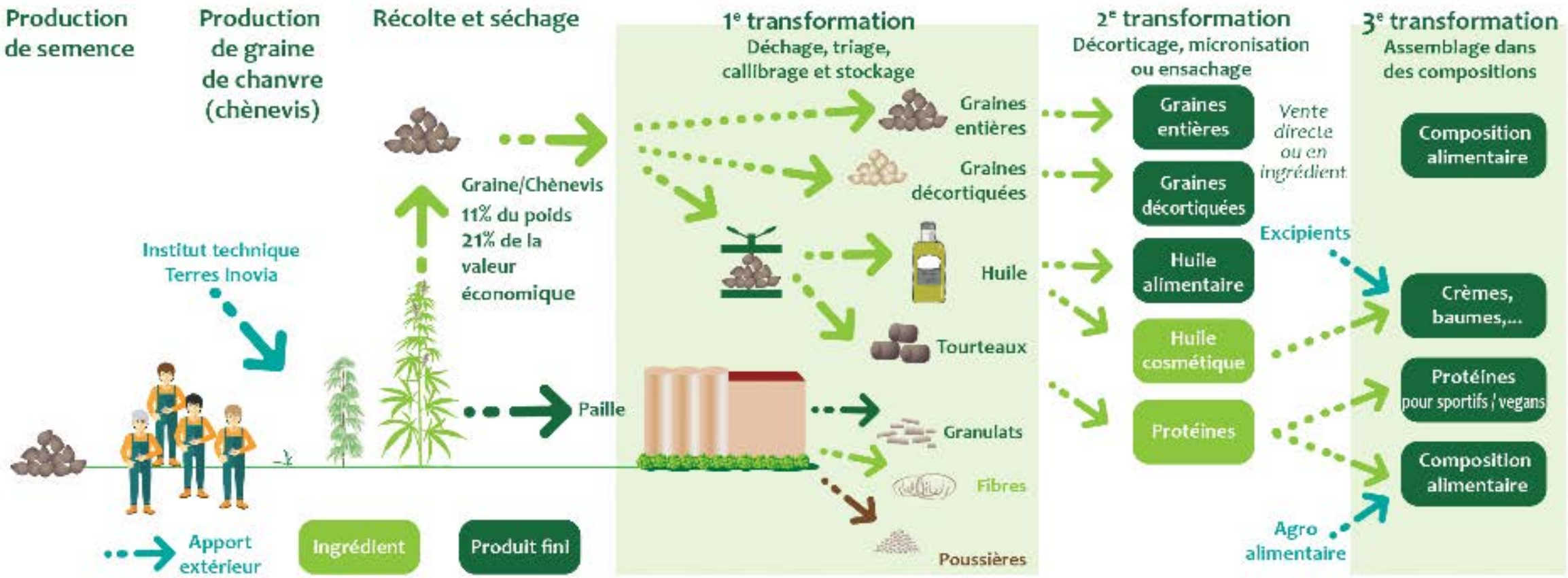
Divers

Cosmétique

The hemp food market

The diversity of food products

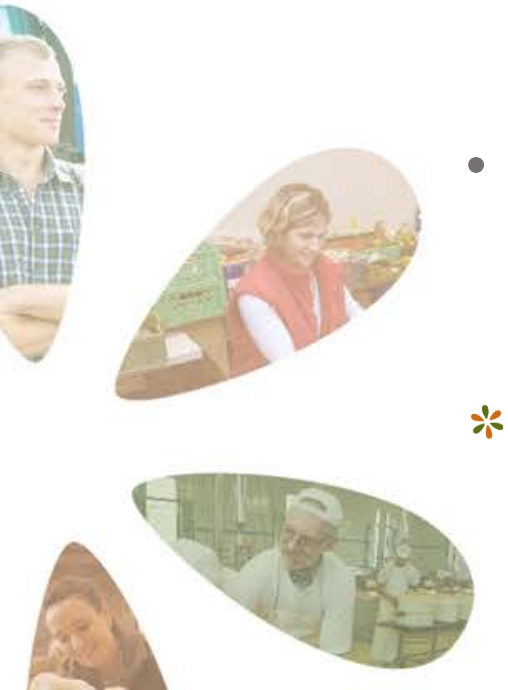
The value chain



Traced seeds that meet European quality standards

The benefits of hemp seed (chenevis)

- **GMO-free, gluten-free, lactose-free and allergen-free:** the hemp seed is a healthy food suitable for all diets, including vegetarian and gluten-free diets.
- **Easily digestible, hemp seed is rich in vegetable protein** and provides the 8 essential amino acids. They represent 24% of the whole seed, 30% of the dehulled seed and 50% when the seed is de-oiled.
- **Rich in essential fatty acids, ideal ratio between Omega 3 and Omega 6,** minerals (magnesium, phosphorus, potassium), trace elements (copper, iron, zinc, manganese) and vitamins B1 and B6.



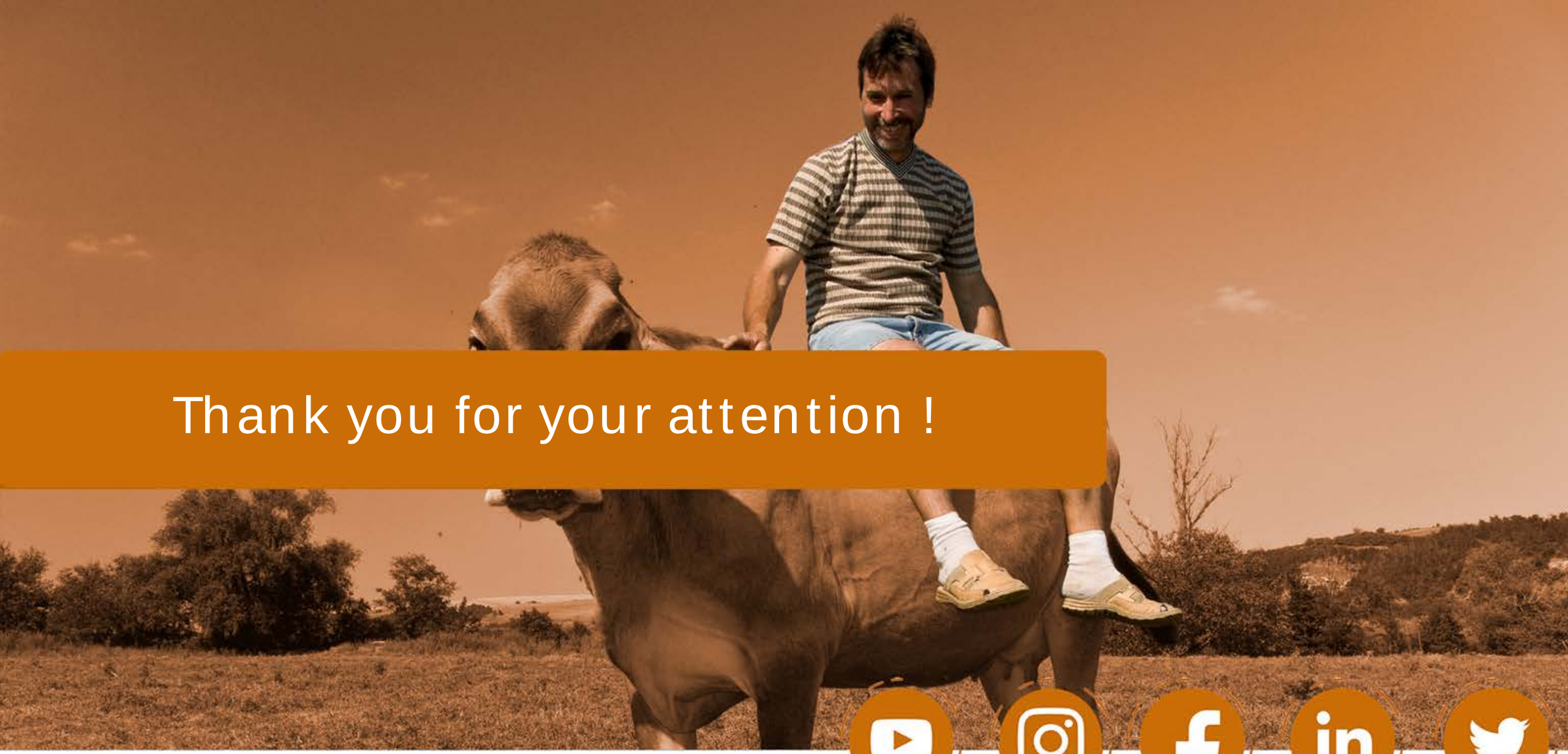
- **All these advantages make the hemp seed a superfood** in the form of oil, shelled seeds, the entire seed or flour that can be eaten on its own or as an accompaniment to a multitude of recipes.

The hemp seed in practice

1 tablespoon of shelled hemp seed provides
(% RDA)

- 85% omega 3
- 38% manganese,
- 22% phosphorus,
- 16% copper,
- 5 % iron and potassium,
- 18% magnesium,
- 9 % zinc, and vitamins B1, PP, B6, B9,
- vitamin B2.

But also: protein, calcium, fibre.



Thank you for your attention !

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