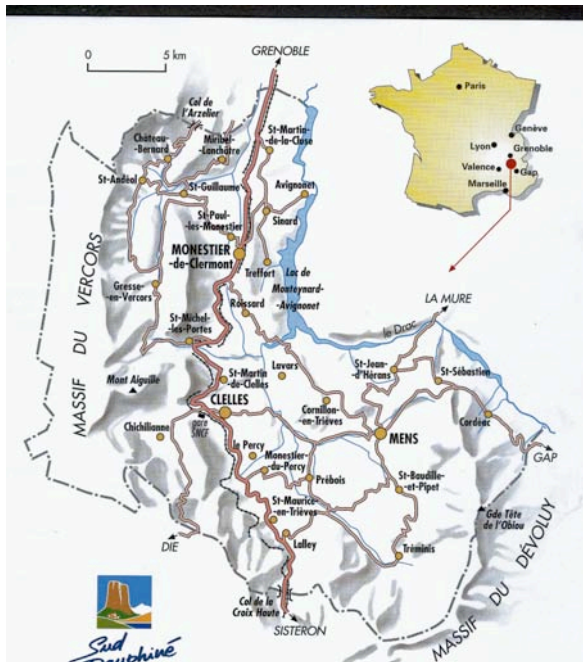
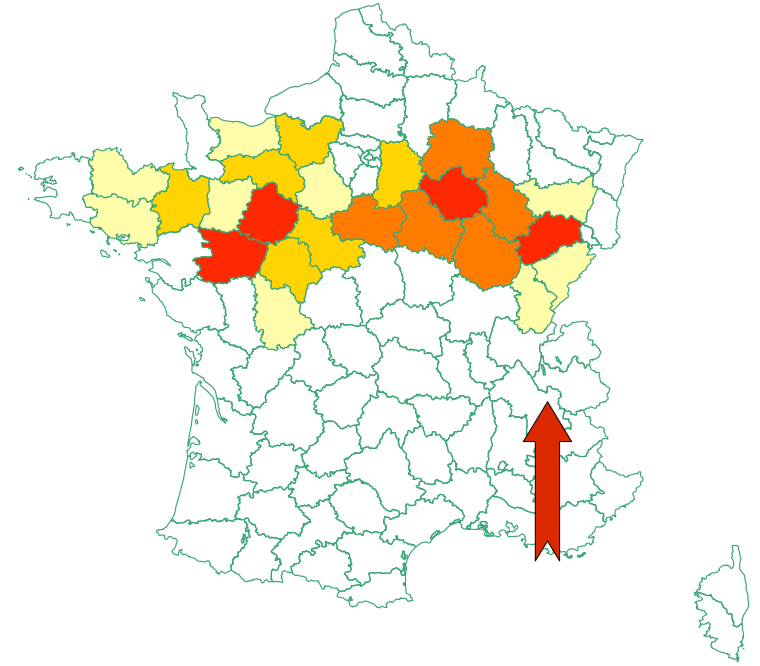


Opération Chanvre

HEMP PROJECT

Trièves Isère France

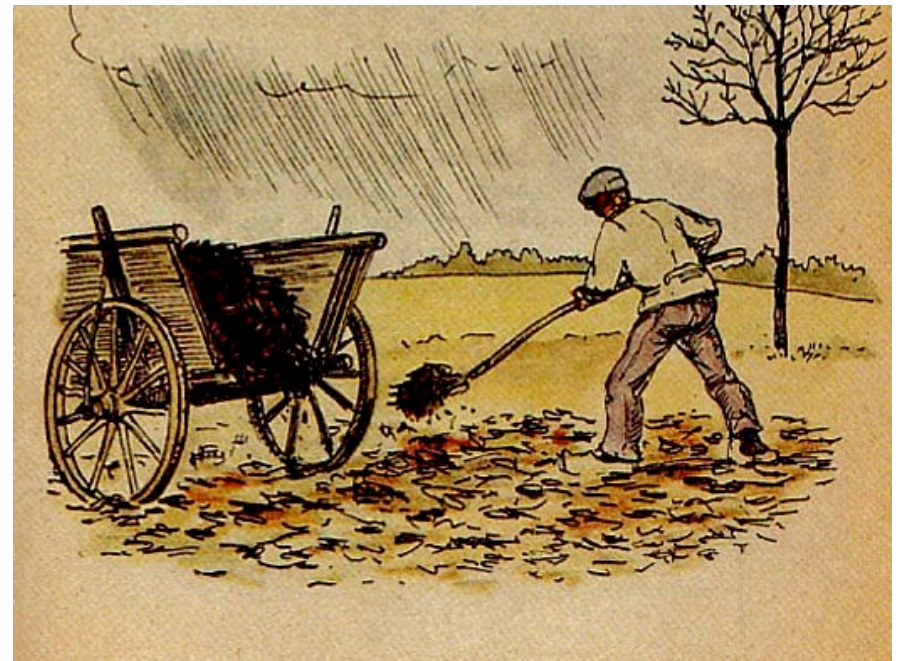




I. LA GENESE

WHY THIS PROJECT

- Hemp was cultivated in the past
- Most of the farmers produce organic
- Terre Vivante is located in Mens where the first french hemp house was built.





II. SCHEDULE

- 2001: hemp exhibition
- 2002: 0.5 ha first trial
- 2003: 12 ha 9 farmers
first results (very dry conditions)
- 2004: 24 ha 18 farmers
confirmation of the results
- 2005: 50 ha
- 2007: START OF THE DECORTICATION LINE

III. GOALS

- Set up a sustainable local development
- Creation of a coherent and adapted organisation

V. LES ETUDES

INVESTIGATIONS

- **2003 12 ha, 9 farmers**

Comparison:

locations

cultivars

seeding time

- **2004 24 ha, 18 farmers
organic farming**

Trièves, Nord-Isère, Diois (Drôme)

Comparison of fertilisations

- evaluation of the local market for the products: fibre, hurds and seed
- Decortication line: definition of the technology and the size
- Technology of hemp bricks production
- Uses of seed and oil (organic)
- Conclusion:

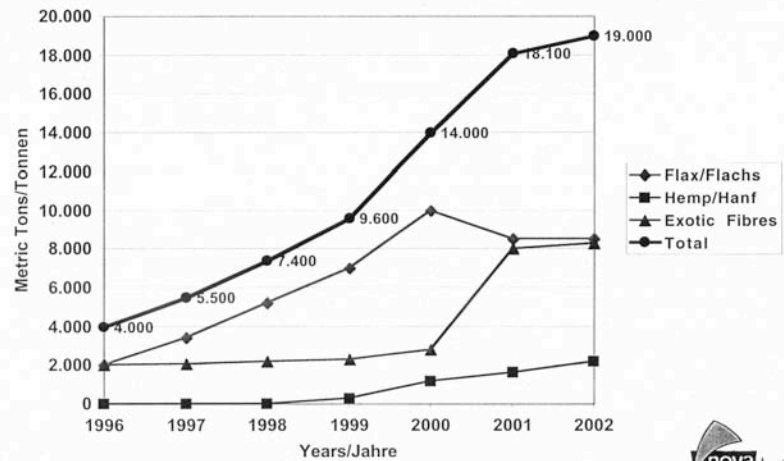
the size should be 1000 ha

THE TARGETED MARKETS



Use of Natural Fibres for Composites in the Automotive Industry in Germany and Austria 1996 - 2002

Naturfasereinsatz für Verbundwerkstoffe in der Automobilindustrie in Deutschland und Österreich 1996 - 2002



Fibre: composites



CHENEVOTTE HURDS

Horse bedding



Building materials

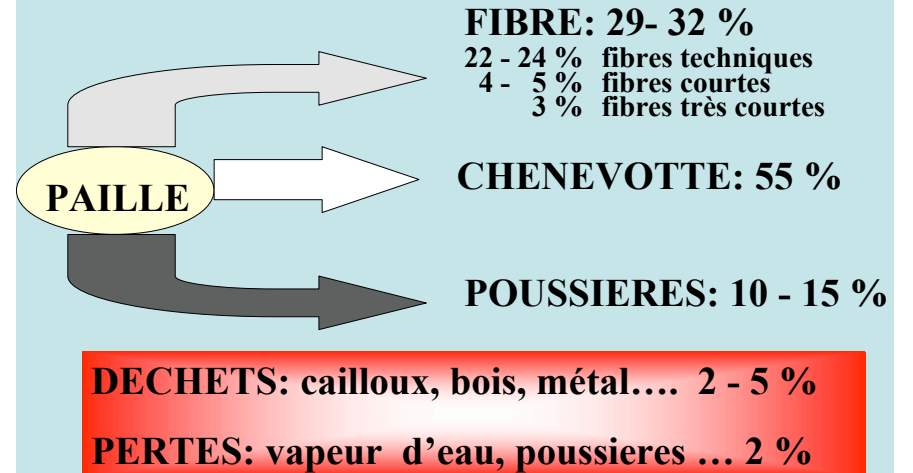




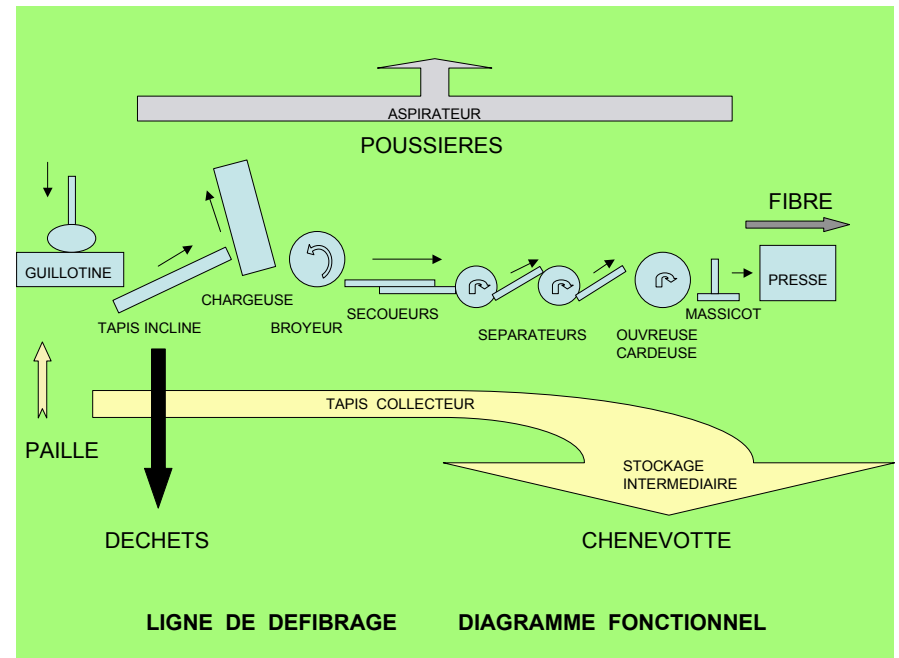
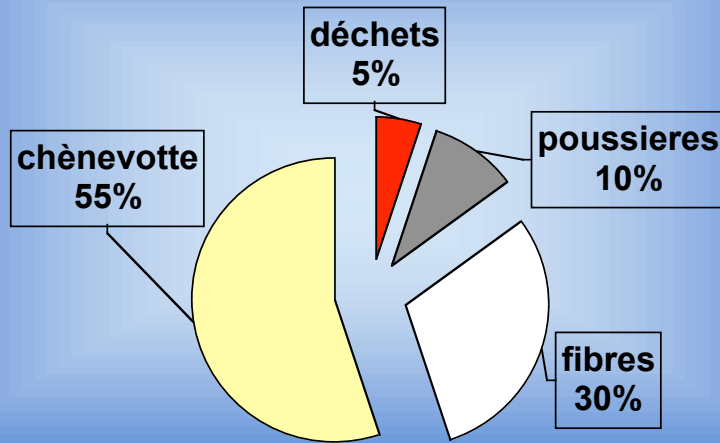
VI. L'ORGANISATION DE LA PRODUCTION



BILAN MATIERE



BILAN MATIERE



SOME FIGURES

SURFACE	1000 Ha
STRAW	5.000 Tons
SEED	1.000 Tons
FIBRE	1.200 Tons
HURDS	3.000 Tons
DUST	500 Tons

CASH FLOW

FIBRE	€ 700.000
HURDS	€ 450.000
SEED	€ 350.000
TOTAL	€ 1.500.000

INVESTMENT

- DECORTICATION LINE € 1.500.000
- BUILDING + FACILITIES € 500.000
- CASH € 1.000.000

TOTAL € 3.000.000

