



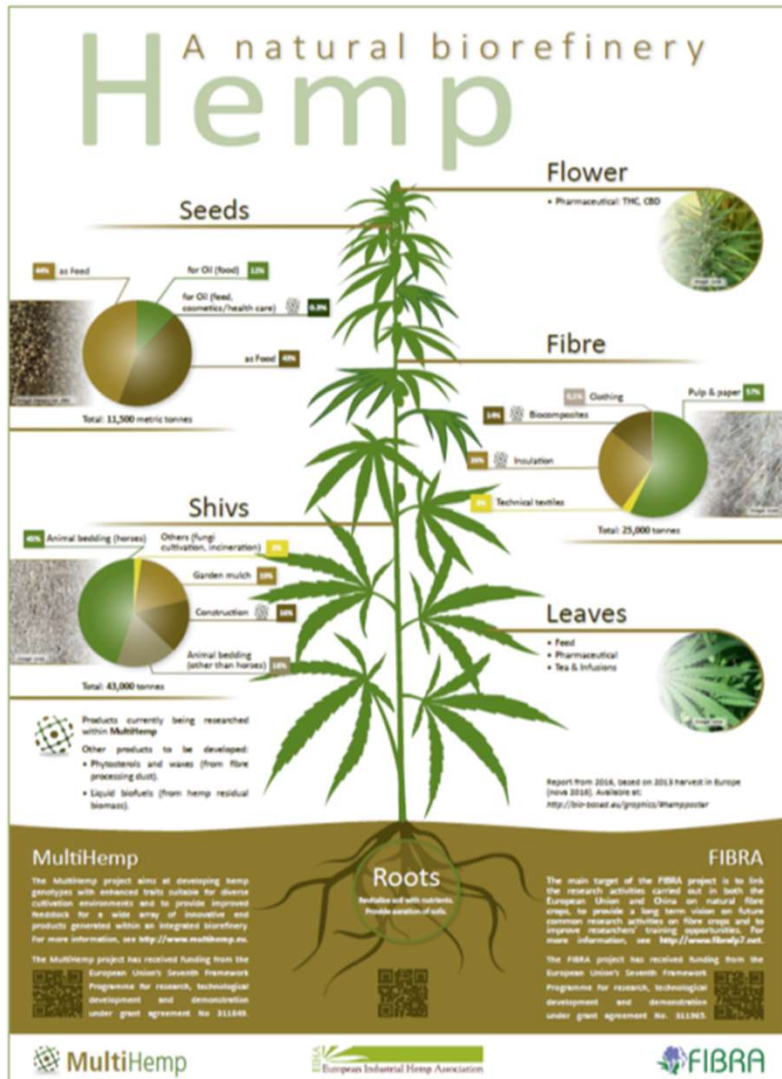
EXPERT WORKSHOP ENVIRONMENTAL SUSTAINABILITY OF CROPS FOR BIO-BASED INDUSTRIES IN EUROPE

Wednesday 26 June 2024 - 12.00-15.45 Room Samena

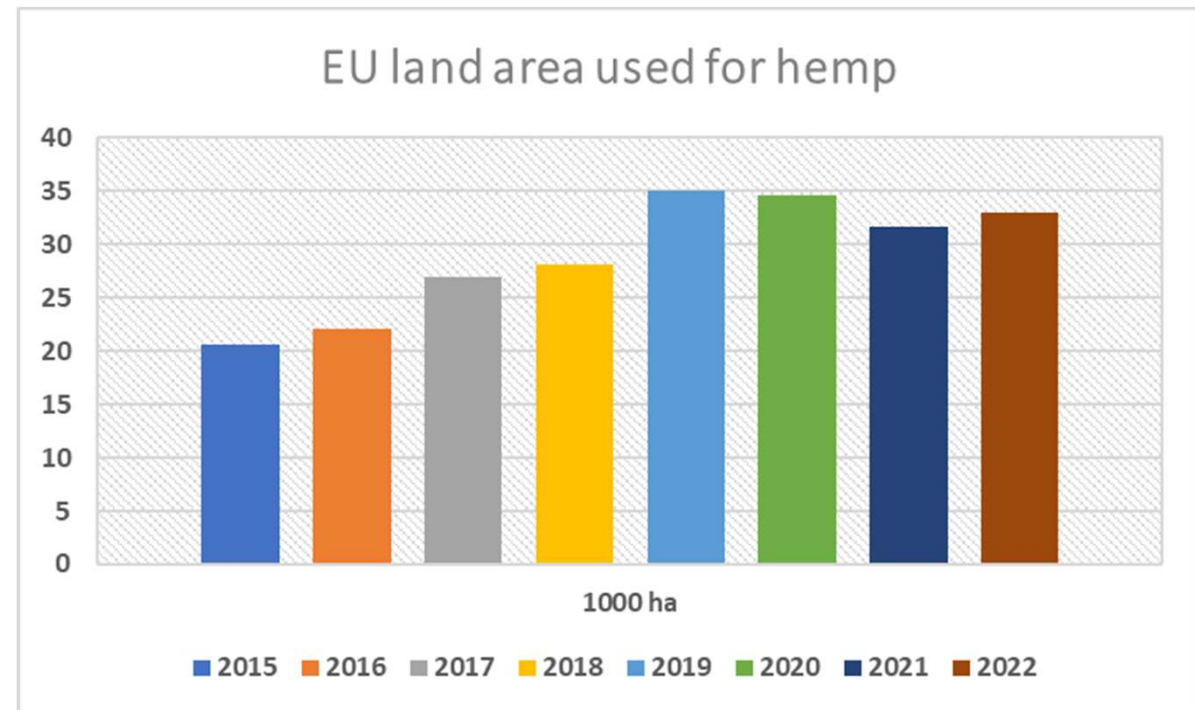
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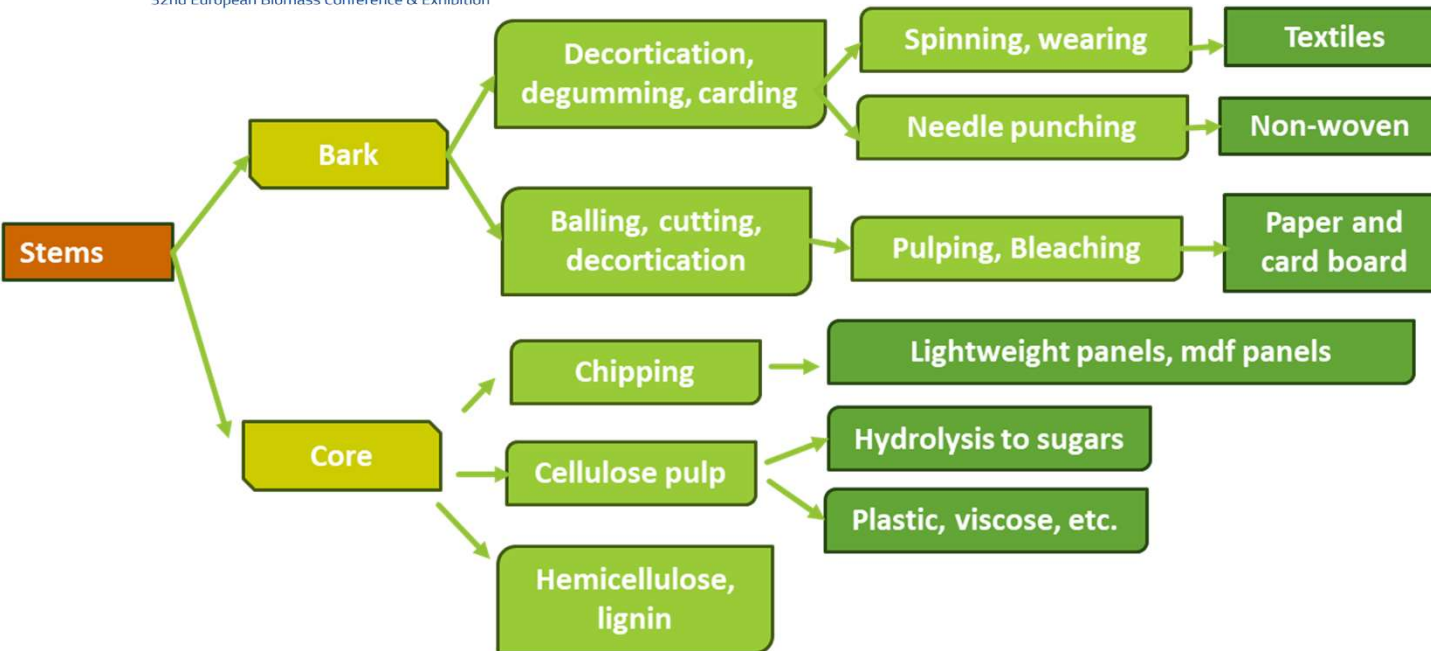
Industrial hemp



- Hemp is a natural biorefinery since the whole plant can be used for biobased products.
- In Europe the area of its cultivation in 2022 was 33020 ha (179000 tones). It should be pointed out that till 2014 was up to 14000 ha. The main producer is France.

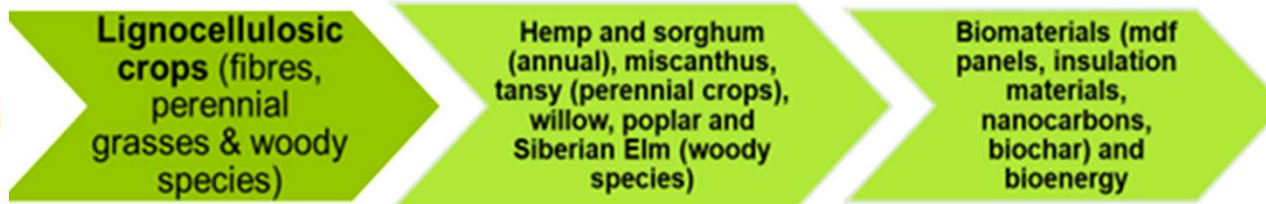


Industrial hemp

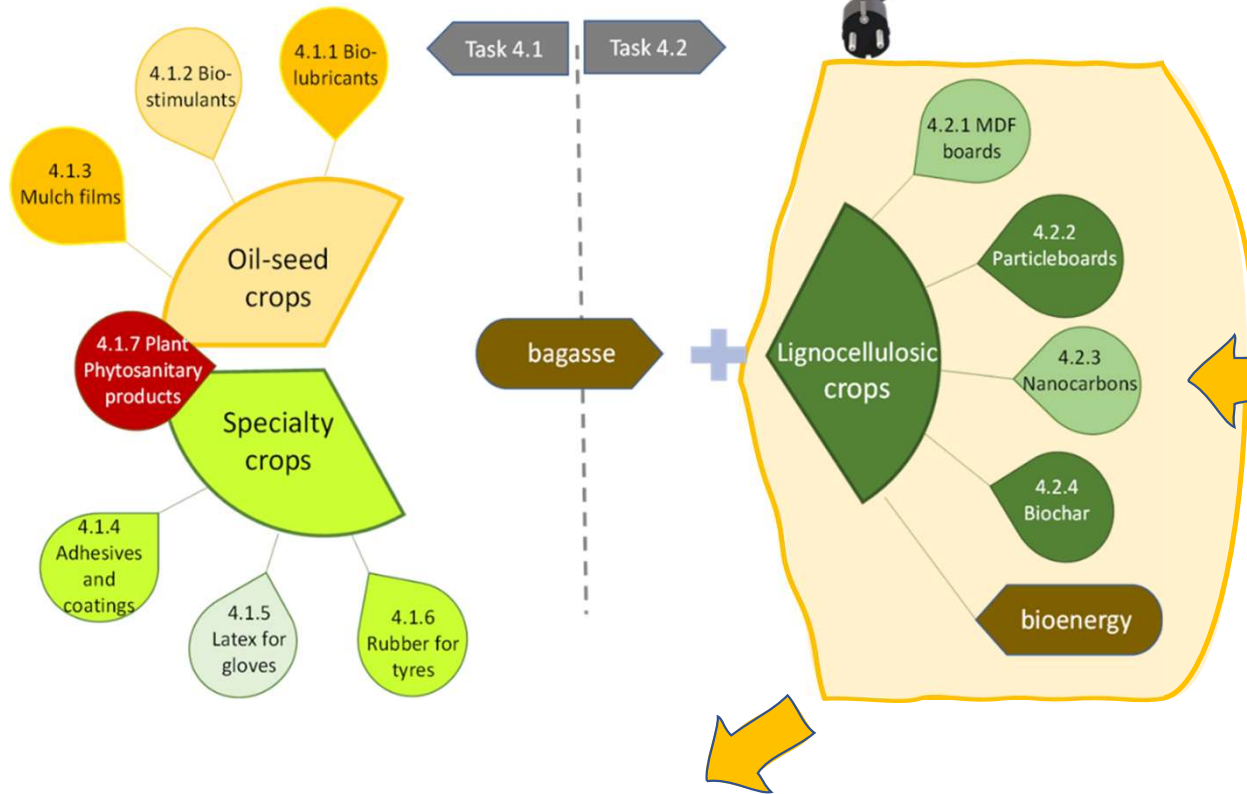


- *Although the area of its cultivation has been increased, still their value chains need to be improved to fully exploited the produced biomass.*
- *It can be used on contaminated lands to produce biomass and to contribute to their decontamination (like GOLD project).*

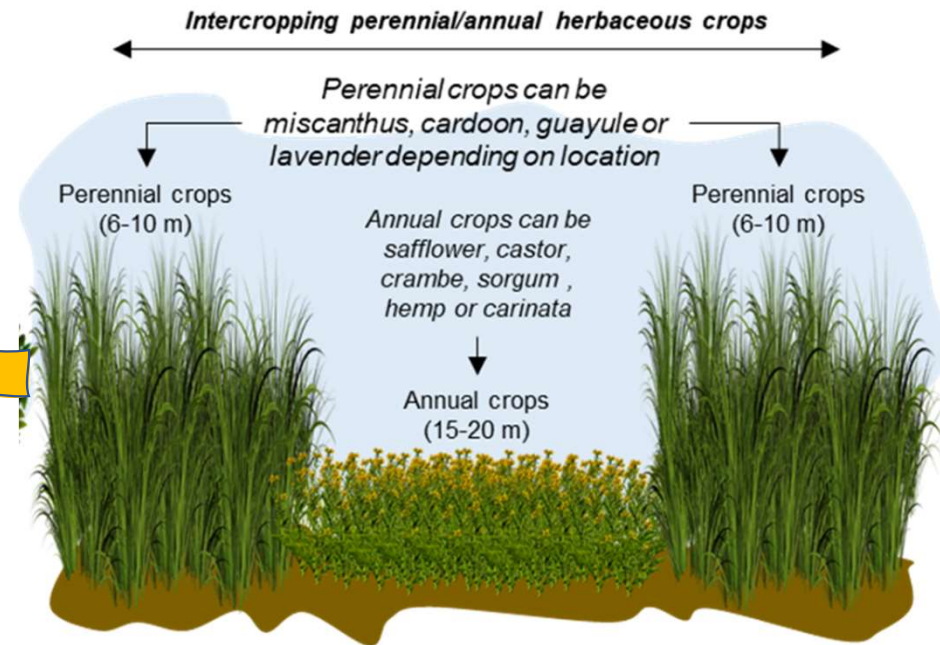
- *In MIDAS project it was selected as key industrial crop for marginal lands facing natural constraints and it is grown on innovative intercropping systems and its biomass is being used for resins, insulation materials, particle boards and its remaining as being used for bioenergy.*



WP4 Innovative bio-based products



The end applications of hemp in MIDAS project



As lignocellulosic crop in MIDAS is being grown in intercropping with other annual and perennial industrial crops like safflower and miscanthus, etc.

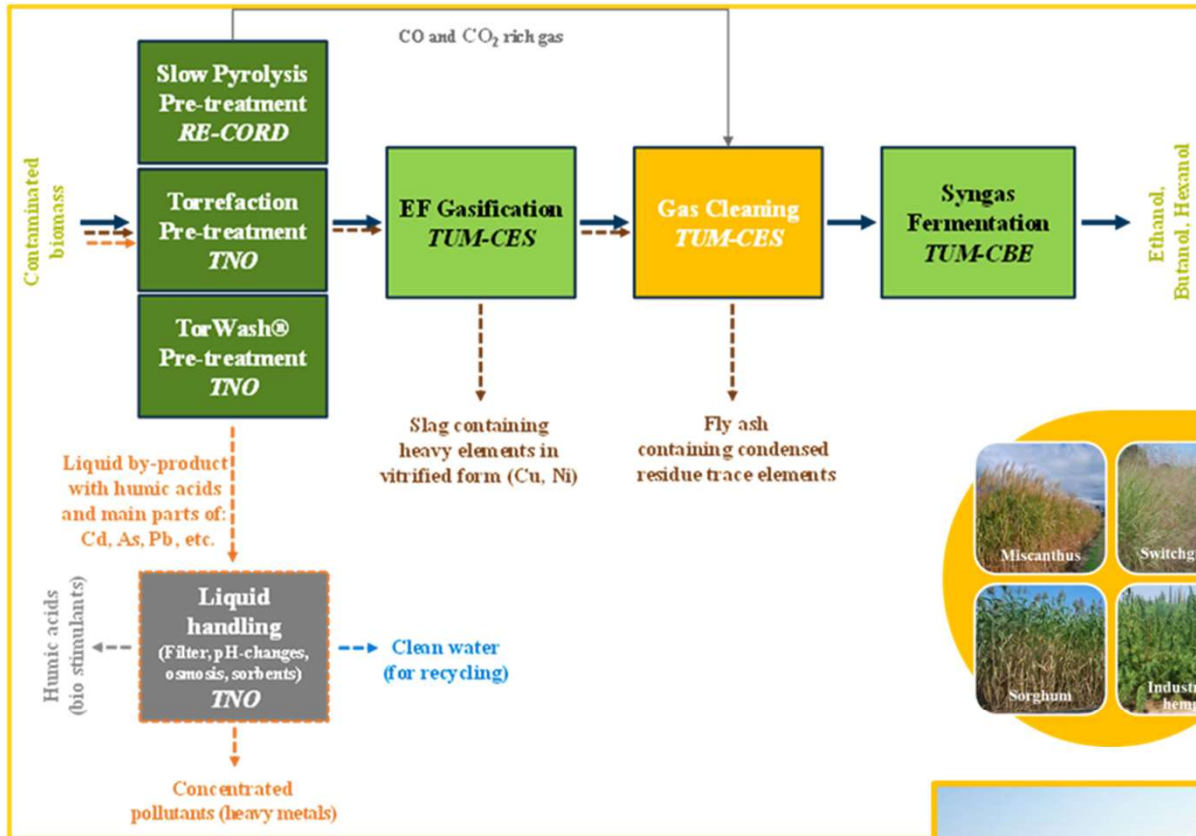


EUBCE 2024

32nd European Biomass Conference & Exhibition

Industrial hemp in GOLD

NAME OF PANELLIST
AFFILIATION



- In GOLD project industrial hemp has been selected as key high yielding lignocellulosic crop to be grown on contaminated lands. Its feedstock is being used for advanced biofuels production.
- In this way industrial hemp is being used for land decontamination and biomass provision to feed the biofuels biorefineries. It is contributing to land remediation.

View of hemp trials operated by AUA in Lavrion



- Innovative phytomanagement solutions that will be tested and validated on site
- Development of bio-based products and applications from the produced biomass feedstock

