



# Crops2Industry

## “Non-food Crops-to-Industry schemes in EU27”

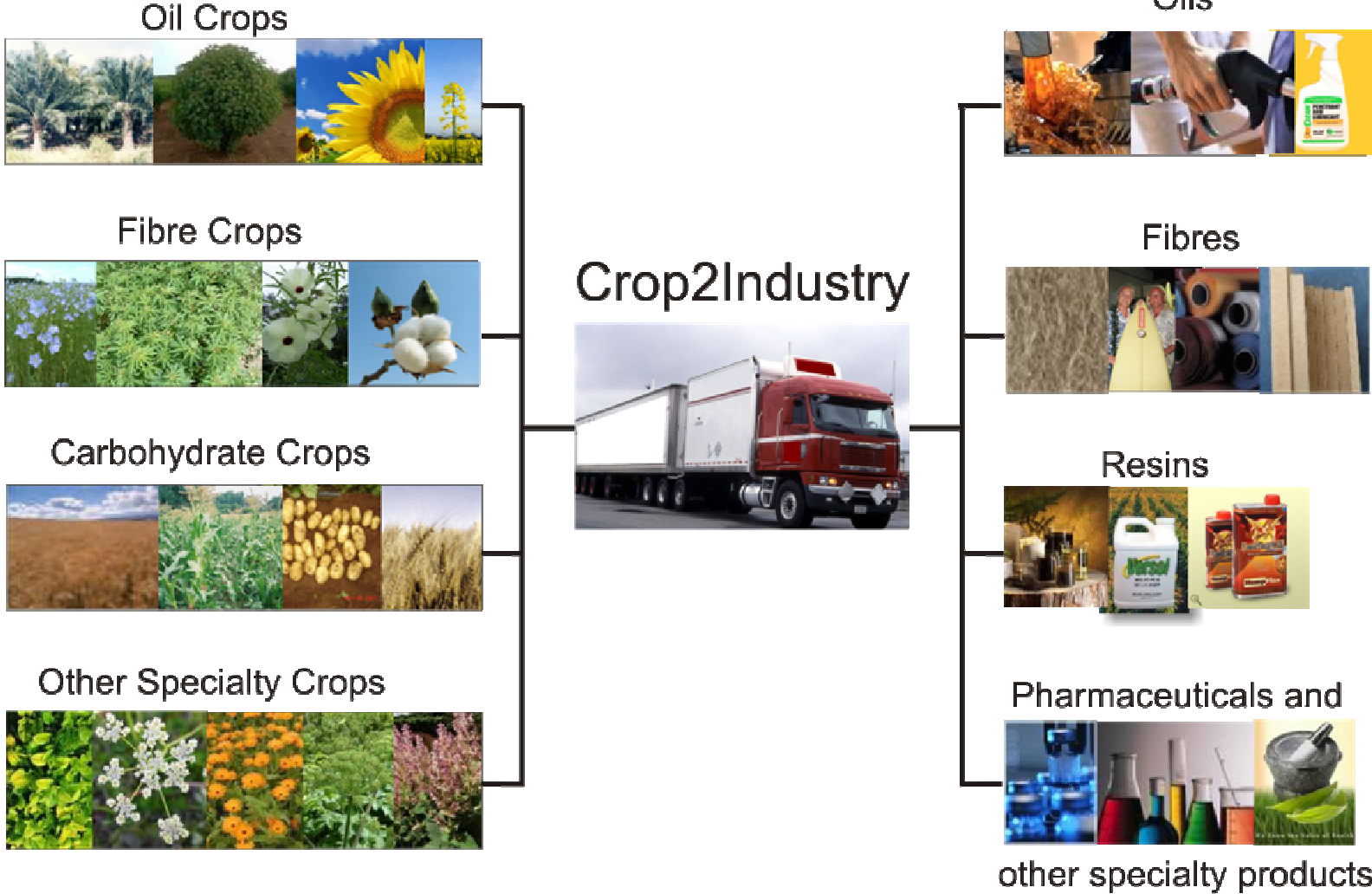
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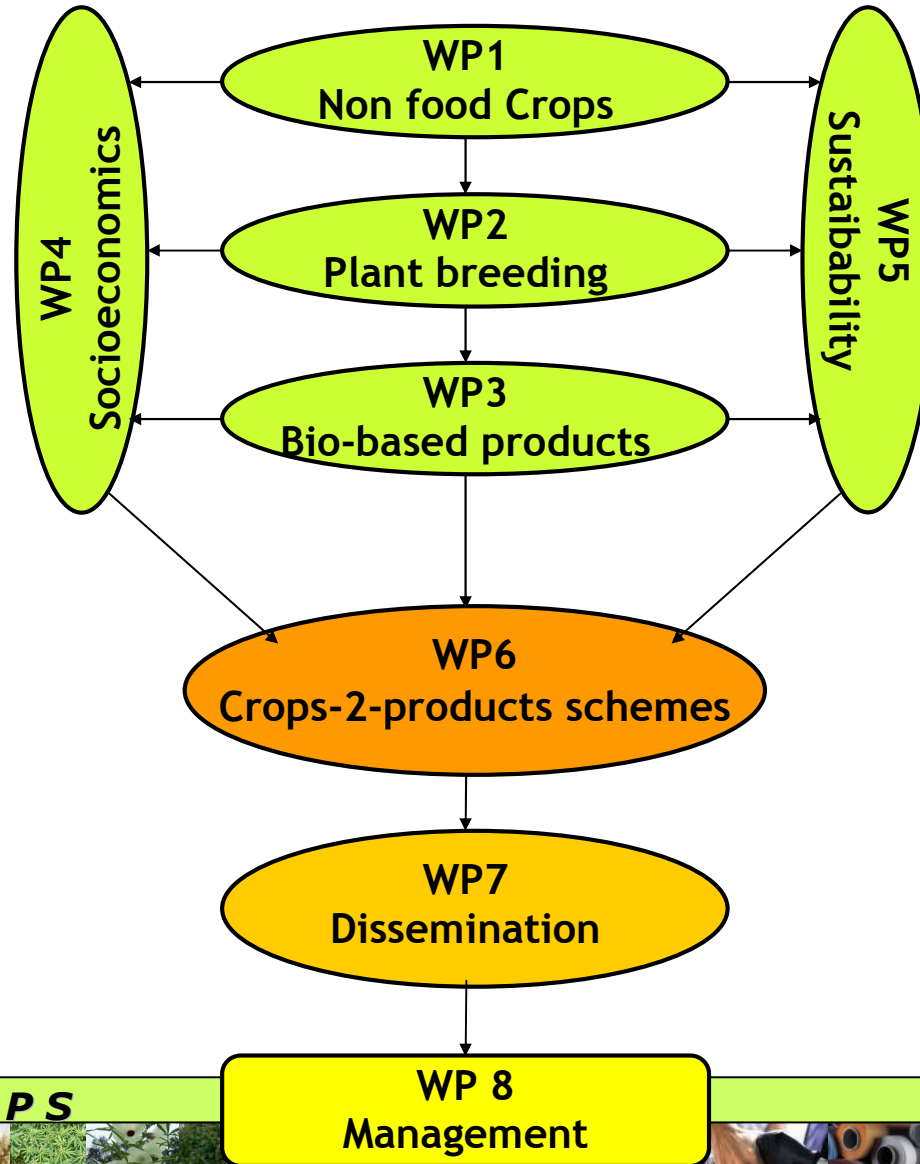




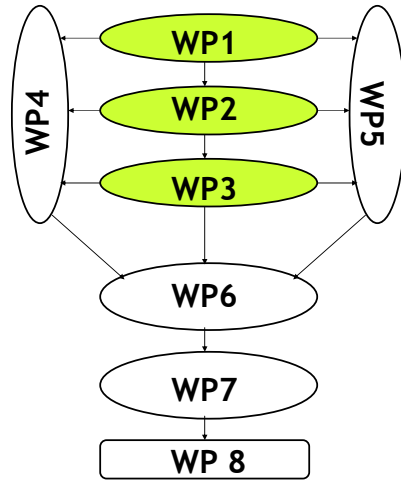
# The concept



# Project activities



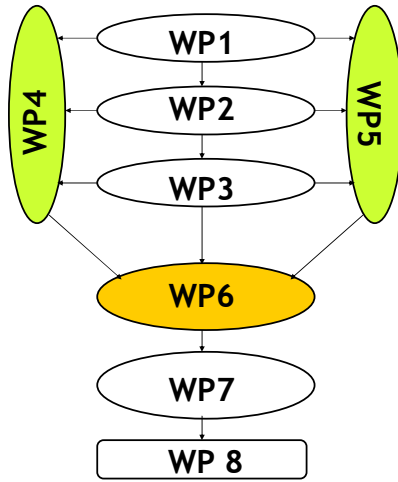
# Project activities



- Explore the potential of non-food crops, which can be domestically grown in EU27 countries, for selected industrial applications (WP1)
- Identify current molecular genetics technologies (genomic and biotechnological tools) and suggest their potential applications in a crop-specific manner to address a wide range of breeding constraints regarding yields and tolerance to abiotic and biotic conditions (WP2)
- Explore the potential and feasibility of the European industry to make high-value biobased products namely oils, fibers, resins, pharmaceuticals and other specialty products (WP3)



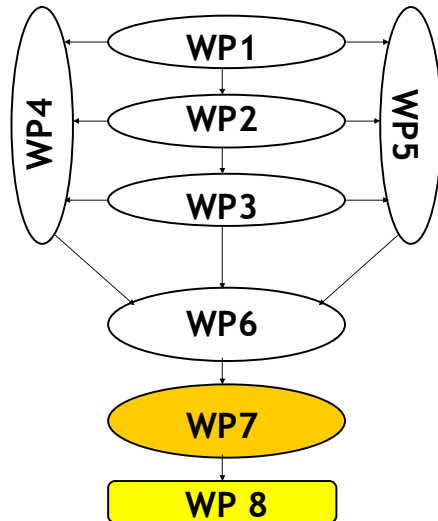
# Project activities



- Perform supply chain cost analysis, identify best business opportunities and assess the socio-economic impacts of selected crop-to-product schemes at EU-27, regional and country levels (WP4)
- Assess selected production and environmental impacts and identify a ‘core’ list of standards and criteria for the environmental and socio-economic sustainability of selected non-food crops-to-industrial-products systems(WP5)
- Perform an overall assessment aiming to select and prioritise crops-to-products schemes in technical, socio-economic and environmental terms (WP6)



# Project activities



- Dissemination activities (WP7) including project website, thematic workshops, links with other activities, such as:
  - Plants for the future platform
  - IENICA project
  - 4F Crops project
- Project management (WP8)

## Thematic workshops

- Can fibre crops offer a viable alternative land use option? (Poland, m5)
- Niche markets for specialty industrial crops (Greece, m11)
- Can oil crops be considered as the only industrial crops that have a clear niche market in EU 27? (France, m17)
- Carbohydrate crops and the dilemma of using them for non-food purposes (The Netherlands, m23)
- Non-food crops for a bio-based Industry and sustainable agriculture (Italy, m29)



# The consortium

<b>CRES</b> - Centre for Renewable Energy Sources, Greece	<b>Crops</b>
<b>UNIBO</b> - University of Bologna, Italy	
<b>INF</b> - Institute of Natural Fibres, Poland	
<b>BIOS</b> - BIOS AGROSYSTEMS S.A., Greece	
<b>NCPRI</b> -National Institute for Chemical and Pharmaceutical Research and Development, Romania	
<b>ITERG</b> , France	<b>Industry</b>
<b>KEFI</b> - Kenaf Eco Fibers Italia S.p.A, Italy	
<b>Hempflax B.V</b> , The Netherlands	
<b>CHIMAR</b> Hellas S.A, Greece	
<b>AUA</b> - Agriculture University of Athens, Greece	<b>Biotechnology</b>
<b>ICCEPT</b> - Imperial College London, UK	<b>Economics</b>
<b>OeKO</b> - Institut of Applied Ecology, Germany	<b>Sustainability</b>
<b>BOKU</b> - University of Natural Resources and Applied Life Sciences, Austria	
<b>FZ-JUELICH</b> Forschungszentrum Julich GmbH, Germany	<b>Crops2Industry schemes</b>

