



# ALI NED

CONSTRUCTION - PULP AND PAPER - WOODWORKING - TEXTILE - BIO-CHEMICALS.



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# About

ALIGNED will advance the scientific field of Life Cycle Assessment (LCA) and collaborate with industries and representatives from five bio-based sectors:



CONSTRUCTION



WOODWORKING



PULP AND  
PAPER



TEXTILE



BIO-CHEMICALS

The models and tools developed in ALIGNED will allow the performance of high-quality assessment studies across the bio-based sectors, with industrial relevance and interoperability. This is made possible by the iterative application and improvement of the new and harmonised models and tools in five specific cases of biobased industrial technologies (TRL 2-6), one for each sector.



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# Objectives

1

Improve, harmonize, and align LCA methodology for the assessment of bio-based industries covering environmental and socioeconomic aspects.

2

Demonstrate the power of the methodology on five specific technology development cases in industries within these sectors, to improve their environmental performance.

3

Inform, involve, and empower all relevant stakeholders, enabling an efficient methodological uptake and practice improvement to support a sustainable growth of the bio-based sector in Europe.



# Impacts

The following results will be delivered:

- Aligned and simplified methods to assess Environmental Performance (EP) that are used in the five industrial bio-based sectors on several key aspects that are relevant to all, namely land and biomass competition, carbon accounting, biodiversity, and uncertainty handling, and,
- Directly improve the EP in five exemplary industrial processes in said bio-based sectors, by disseminating the proposed solutions to key stakeholders in these sectors
- Disseminate data on EP - and recommendations to improve it - in the five industrial bio-based sectors in the EU.



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# Implementation





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AND SEE YOU SOON



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