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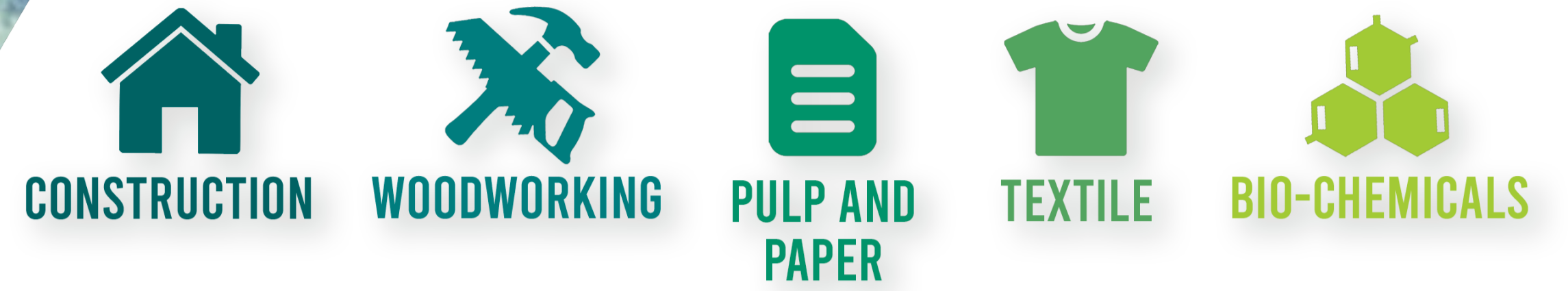
# ALIGNED: A framework for the LCA of bio-based products

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# ALIGNED

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

## Aligning Life Cycle Assessment methods and bio-based sectors for improved environmental performance



## About

**ALIGNED will advance LCA and collaborate with industries and representatives from five bio-based sectors:**

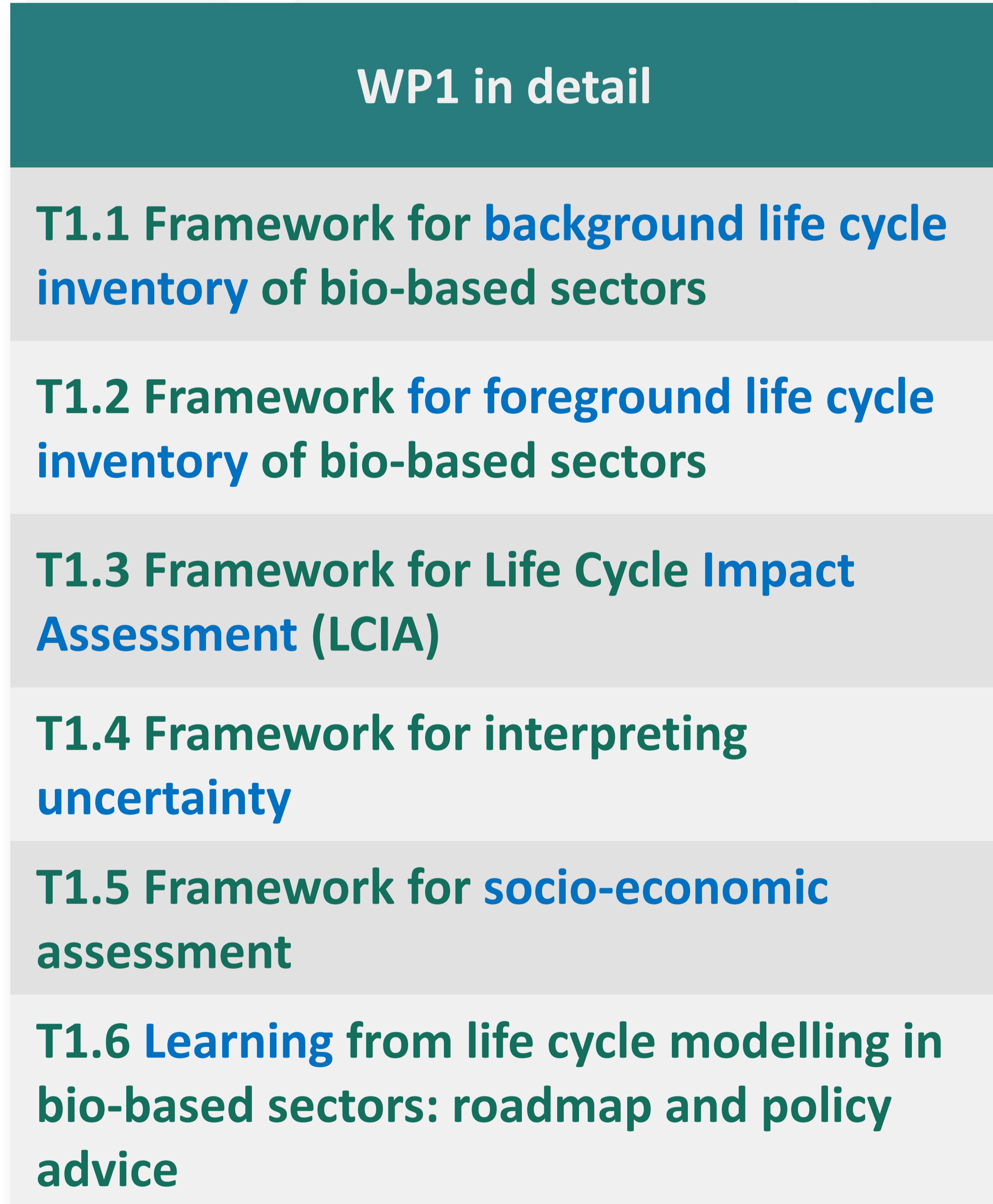
The models and tools developed in ALIGNED will allow the performance of high-quality assessment studies **across the bio-based sectors, with industrial relevance and interoperability.**

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.**

## 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.

## Implementation



### Framework:

- Scientifically sound, evidence-based
- Ensures consistency across models

### Approaches:

- Model reality as close as possible
  - Avoid normative choices

### Tools:

- High applicability (simple, work across sectors, open)
- Tested on the case studies, continuous improvement



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