

# CULIS Transformation Model

Culmena team:

Prof.dr.sc.Nedeljko Štefanić  
[nedeljko.stefanic@culmena.hr](mailto:nedeljko.stefanic@culmena.hr)

Ivan Biondić  
[ivan.biondic@culmena.hr](mailto:ivan.biondic@culmena.hr)

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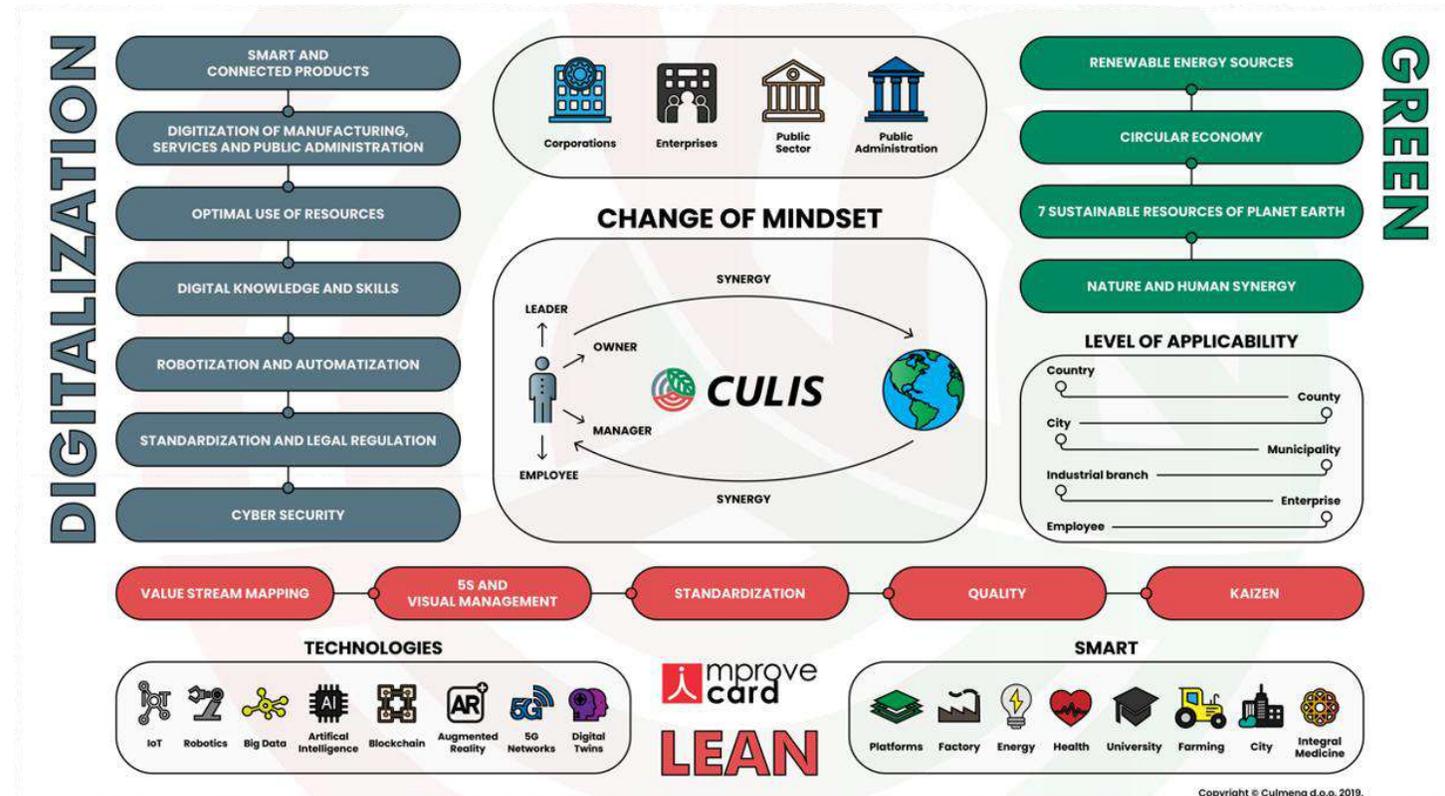
# Project Objectives

- Support the transition towards Industry 4.0 in the forest-based sector
- **Strengthen:**
  - Competitiveness
  - Resilience
  - Sustainability
- **Enable:**
  - Enhanced traceability and transparency
  - Better resource utilization
  - Improved process efficiency



# CULIS Transformation Framework

- Integrated transformation methodology
- Connects three key dimensions:
  - **Lean** - Process optimisation & efficiency
  - **Digital** - Data, connectivity & automation
  - **Green** - Sustainability & resource efficiency



# Lean Transformation Pillar

- **Objective:** process stability and waste reduction
- **Outcomes:**
  - Increased productivity
  - Reduced costs
  - Improved workflow

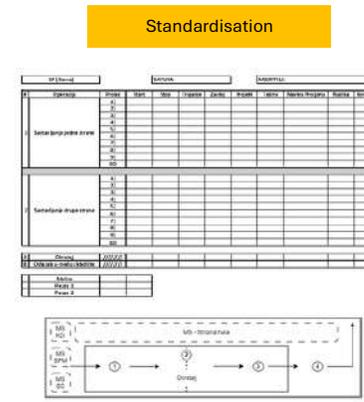
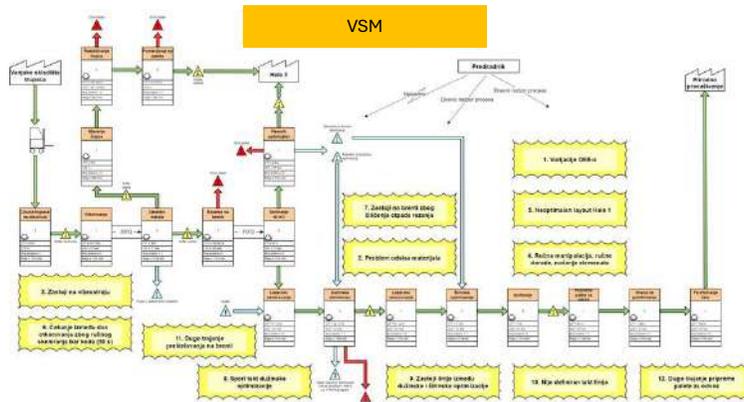
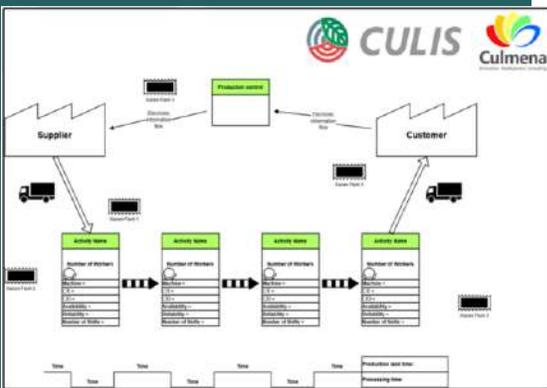
VALUE STREAM MAPPING

5S AND VISUAL MANAGEMENT

STANDARDISATION

QUALITY

KAIZEN



Kaizen



# Green Transformation Pillar

- **Objective:** sustainable and circular operations
- **Outcomes:**
  - Reduced environmental impact
  - Improved long-term sustainability



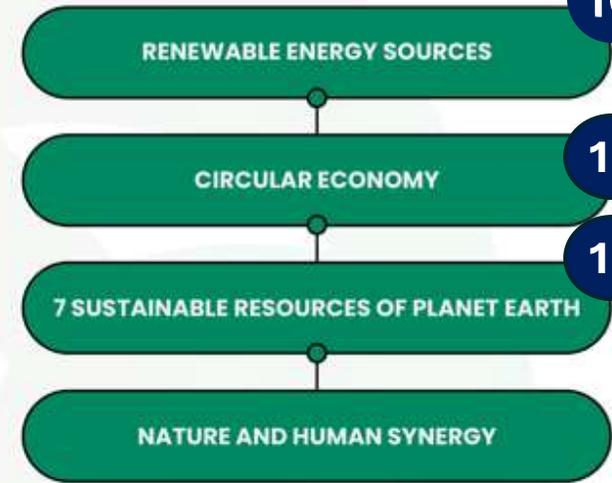
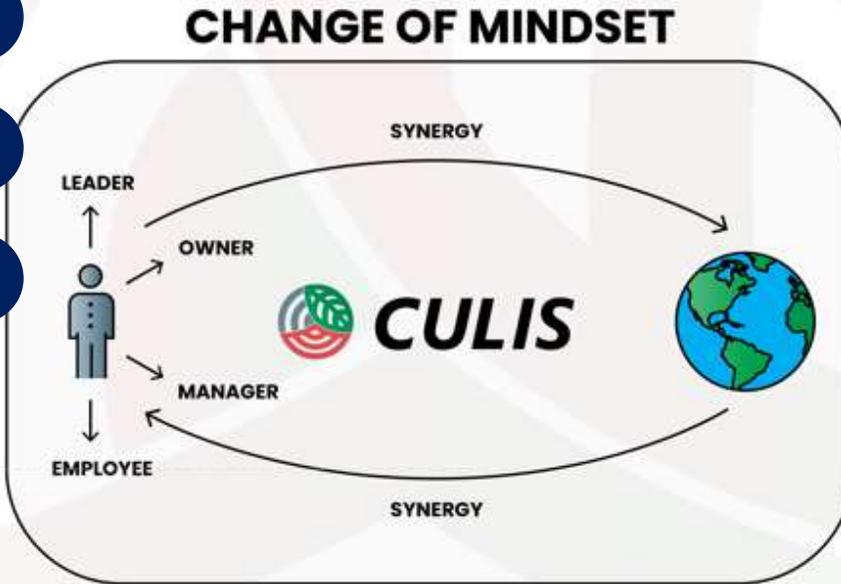
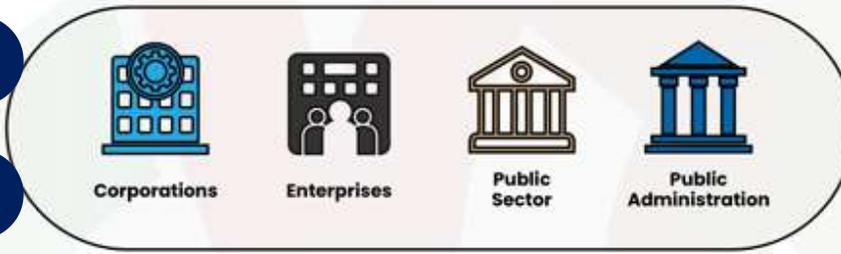
RENEWABLE ENERGY SOURCES

CIRCULAR ECONOMY

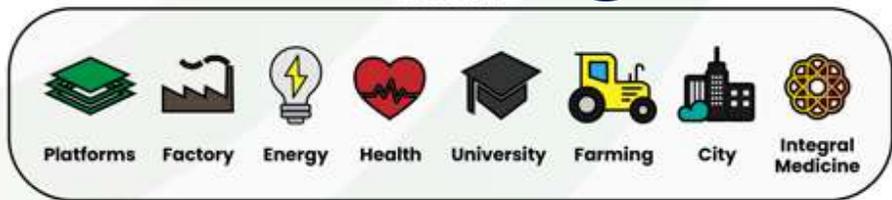
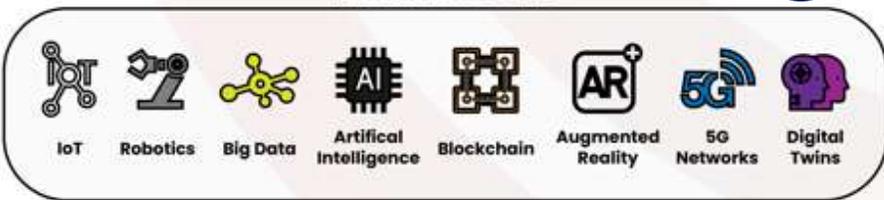
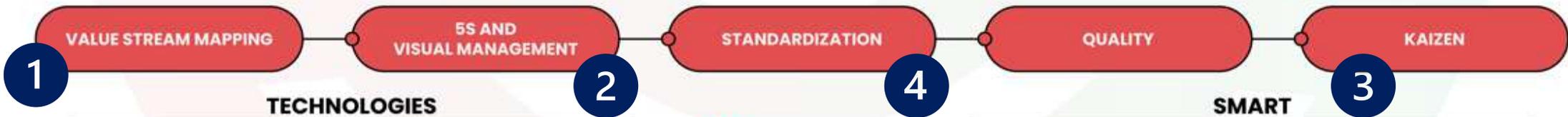
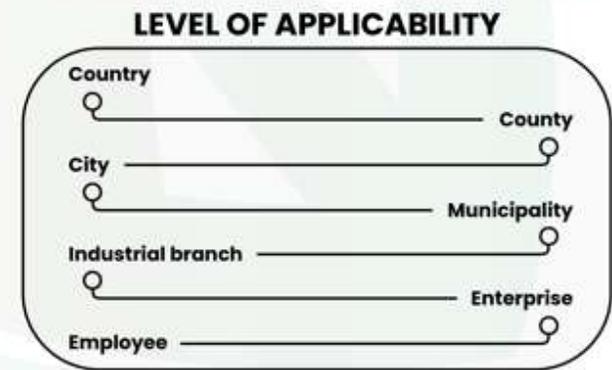
7 SUSTAINABLE RESOURCES OF PLANET  
EARTH

SYNERGY BETWEEN HUMANS AND  
NATURE

# DIGITALIZATION



# GREEN



# Digital Twin - Connekt



# Digital Strategy Plan



# ERP - ORKA



# APS - LSE



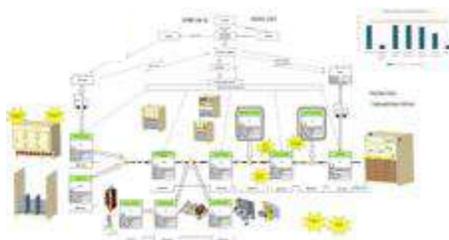
# Optimal Use of Resources - Connekt



# Real Time Analytics - Connekt



# Value Stream Mapping



# Kaizen



# Productivity - BIEPE



# Project Managment - BIEPE



# From Strategy to Implementation

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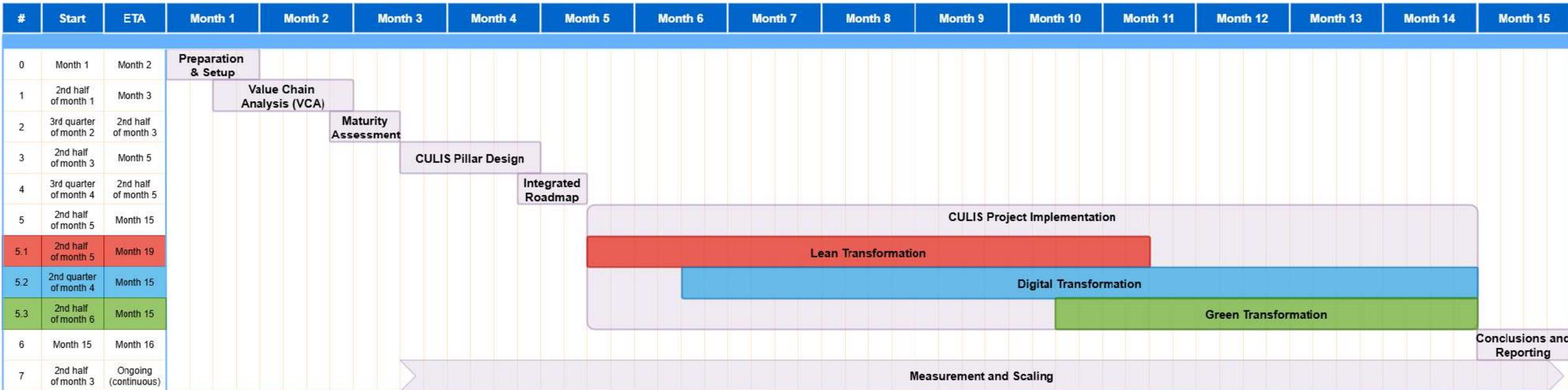
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CULIS



## Flowchart for the CULIS/VCA Transformation Model



# Benefits of the CULIS Model

- Increased operational efficiency
- Improved digital maturity
- Reduced environmental impact
- Enhanced competitiveness
- Better resilience to market and supply shocks



# Conclusion and Future Outlook

- **CULIS provides:**
  - Structured transformation pathway
  - Scalable and adaptable model
- **Supports:**
  - Industry 4.0 adoption
  - Circular bioeconomy transition
- **Key success factor:**
  - Alignment of technology, processes and people

