



**FOR A COMPETITIVE, CIRCULAR AND SUSTAINABLE  
EUROPEAN BATTERY MANUFACTURING INDUSTRY.**

**CLUSTERING EVENT**

**14th November 2022**

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# CONTEXT AND CHALLENGES OF A RECYCLING PROCESS

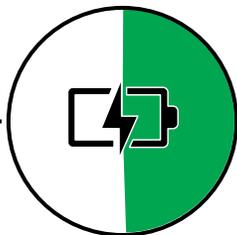
+30%



LIB's growth

Demand for Li-Ion Batteries is expected to grow (yearly by more than 30 %) for the next decade.

1000 GWh



LIB's demand

Total global battery demand is expected to reach nearly 1000 GWh per year by 2025 and exceed 2600 GWh by 2030.

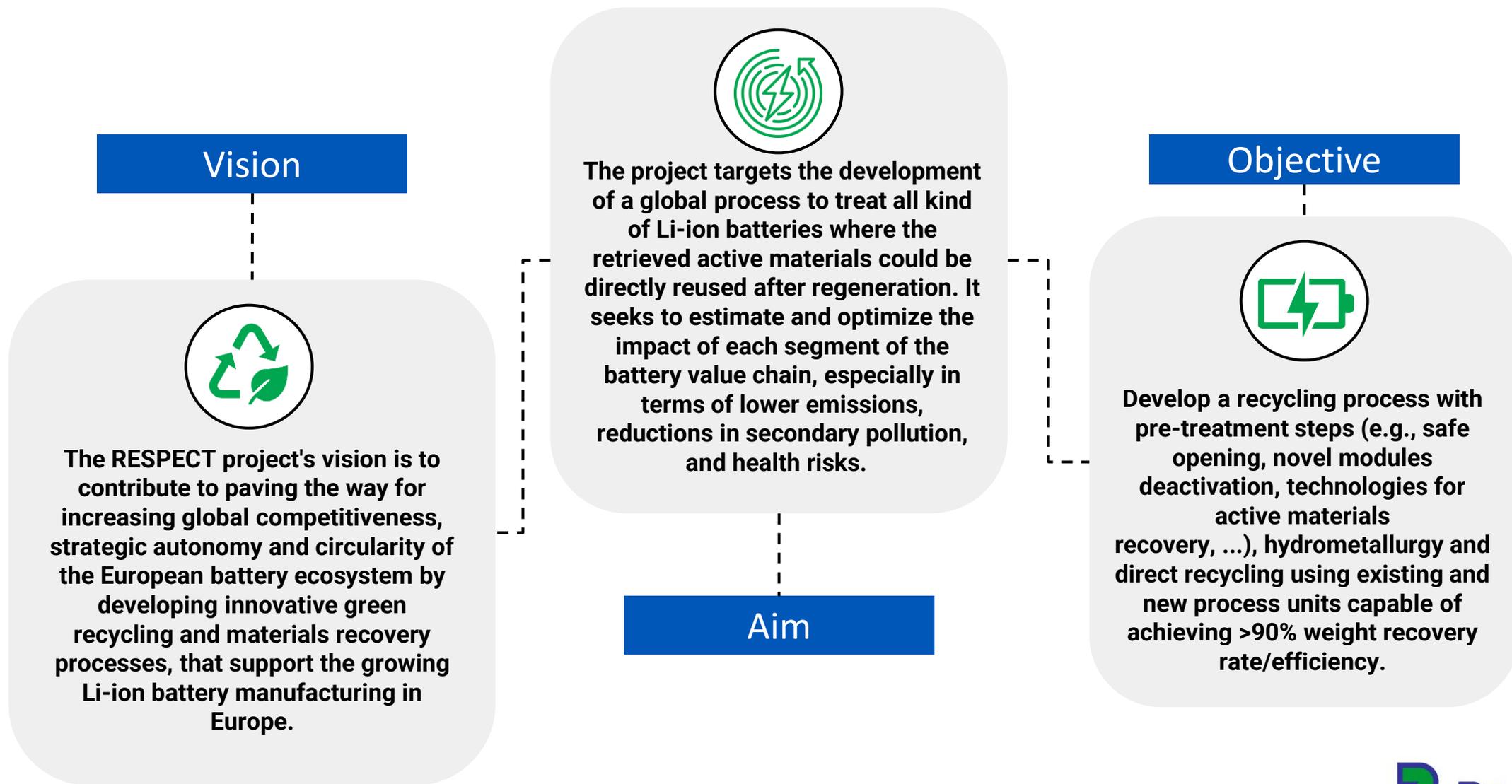
150 000 <sup>EV</sup>  
Batteries



LIB's for recycling

It is forecasted that around 150,000 EV batteries might be available for recycling in the EU in 2025 and more than 1 million by 2030.

# RESPECT OVERVIEW

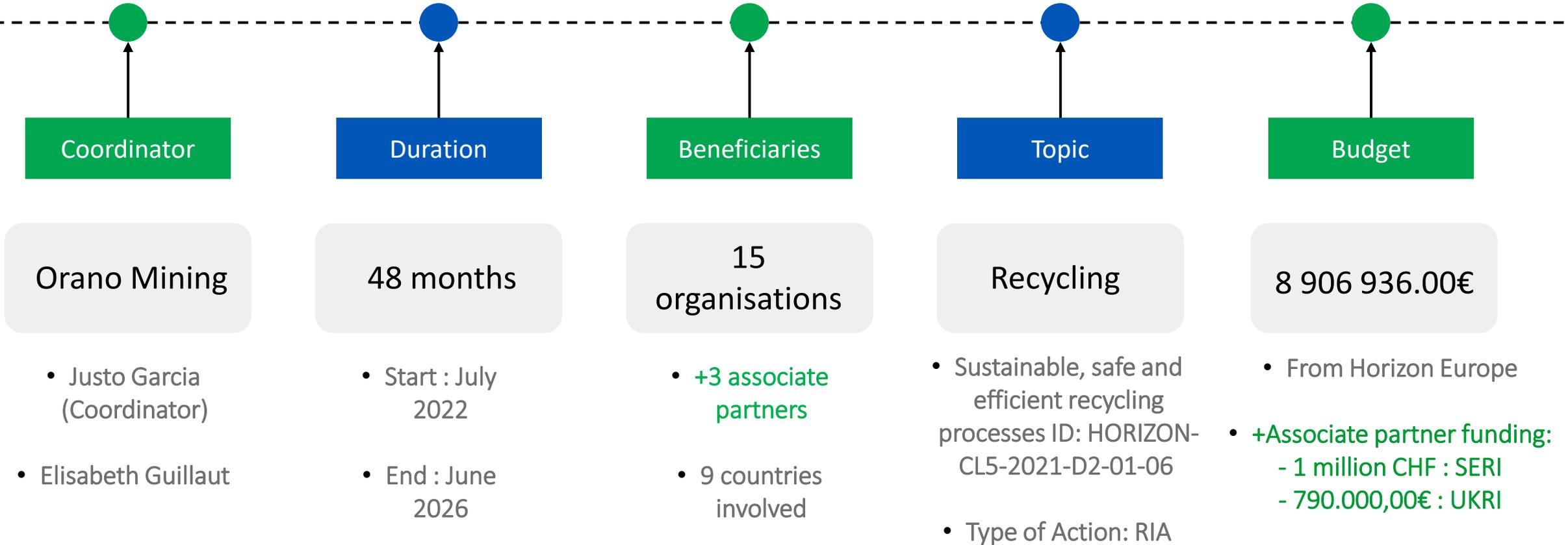


# RESPECT NUMBERS AND FIGURES

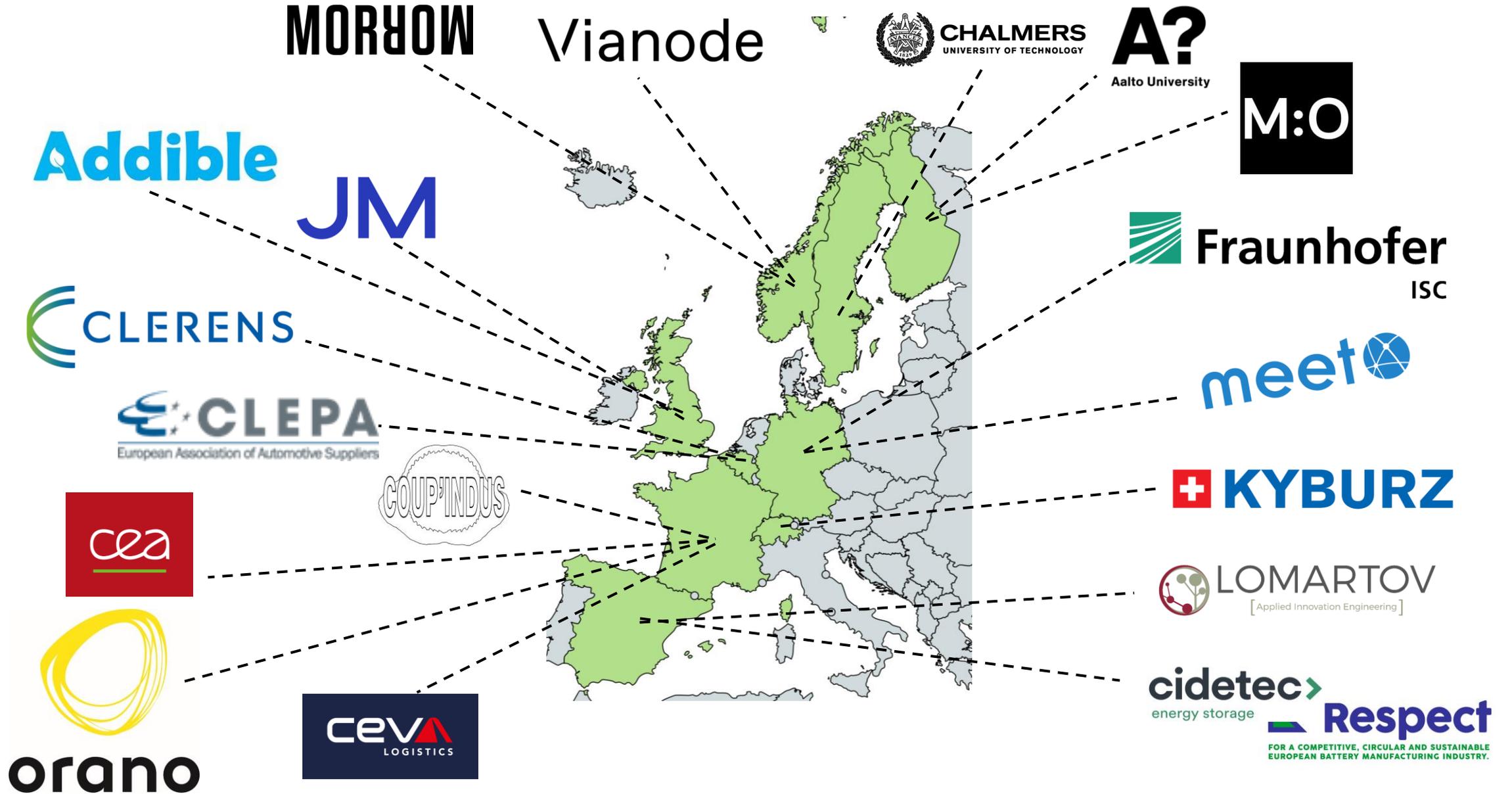
HORIZON-CL5-2021-D2-01-06

European Climate, Infrastructure and Environment Executive Agency

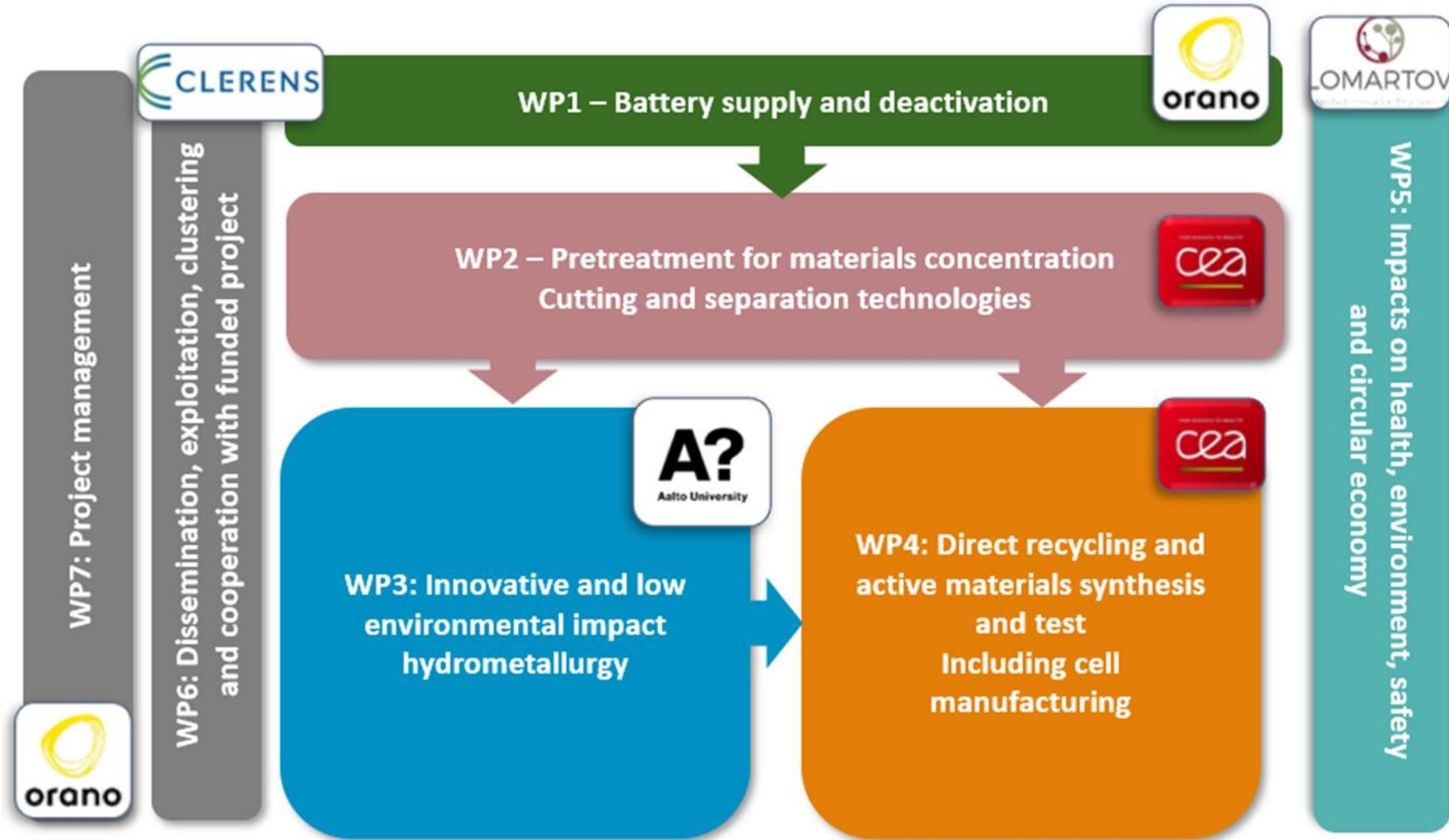
Project number: 101069865



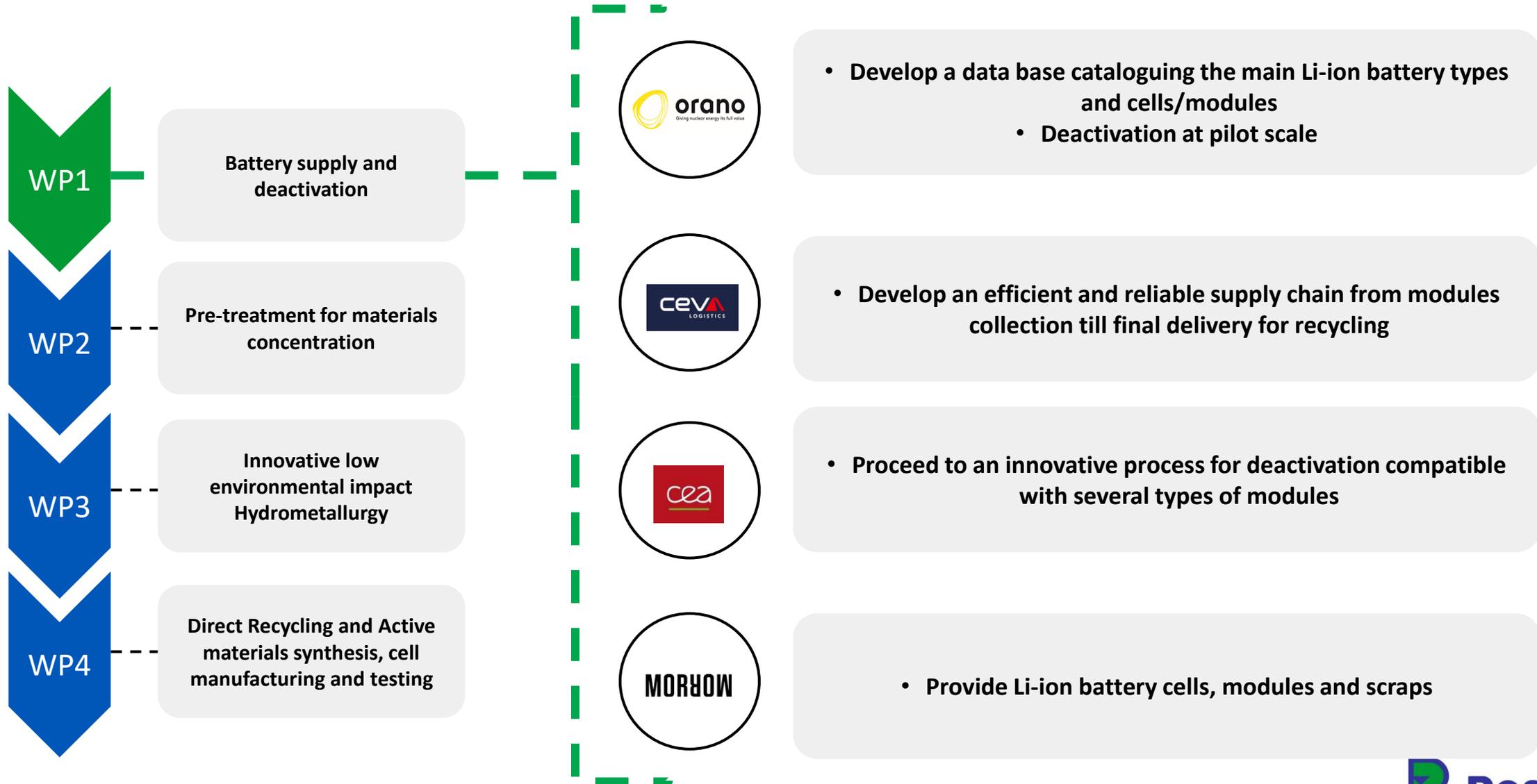
# RESPECT SNAPSHOT



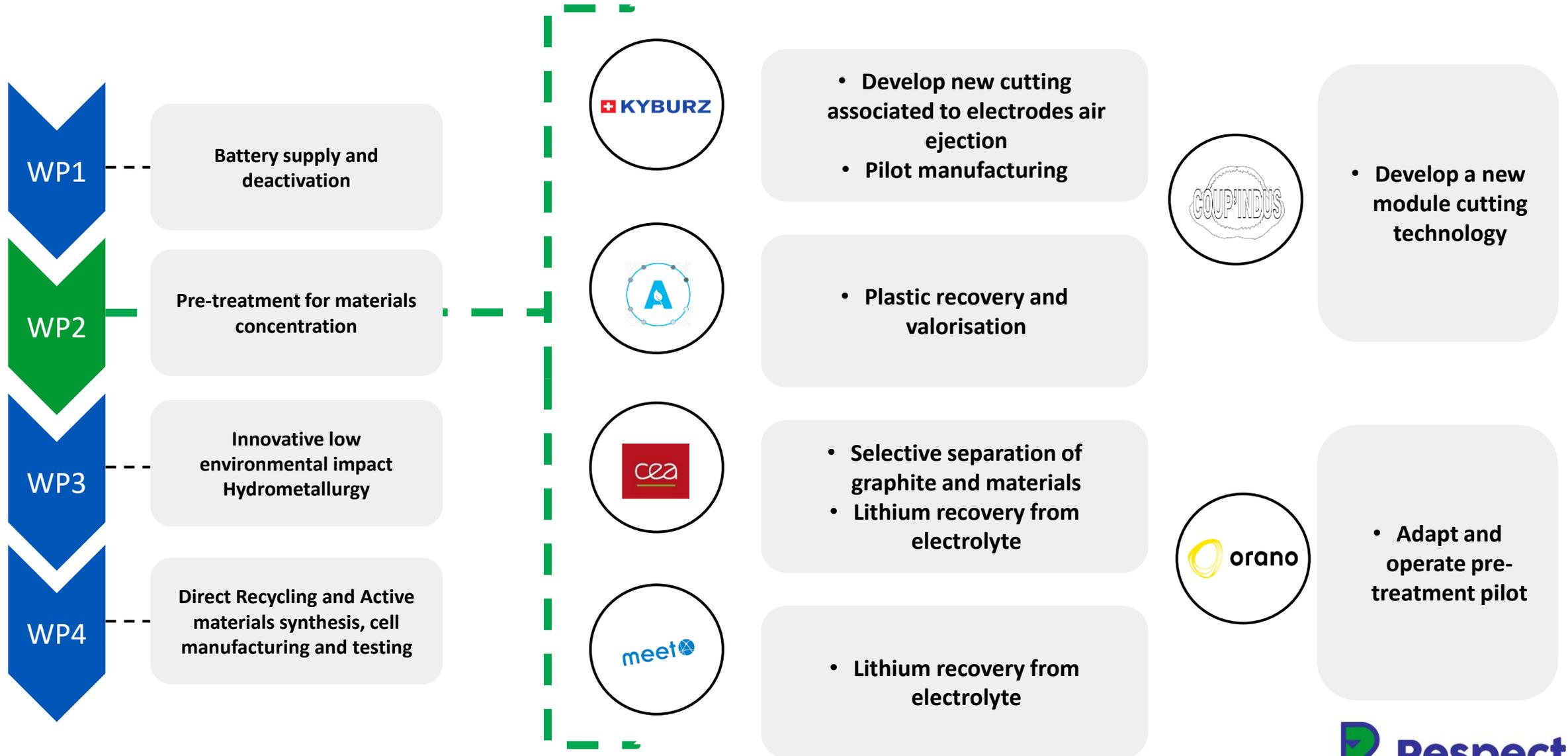
# RESPECT PROJECT WORKPLAN



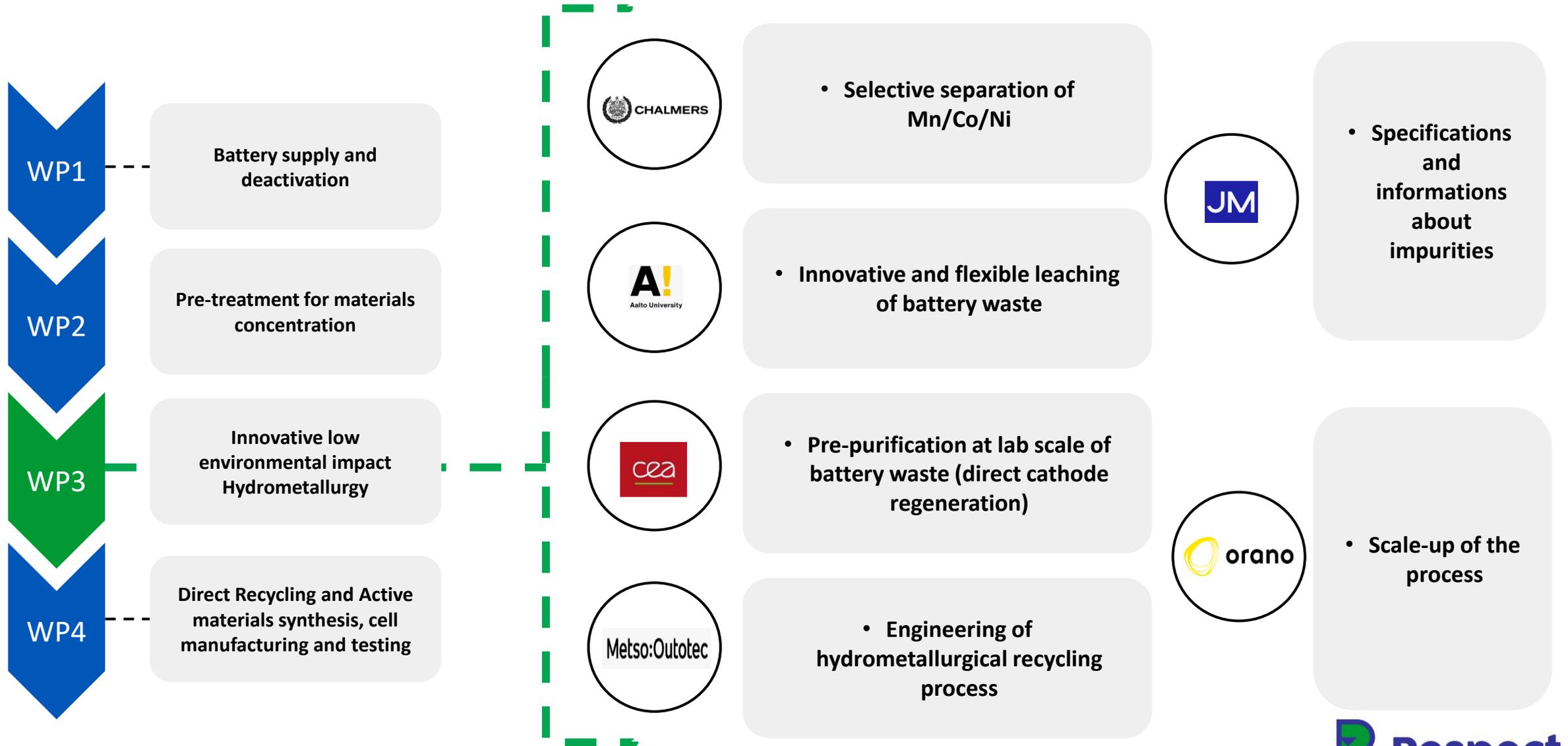
# OPERATIONAL VIEW OF THE RECYCLING PROCESS



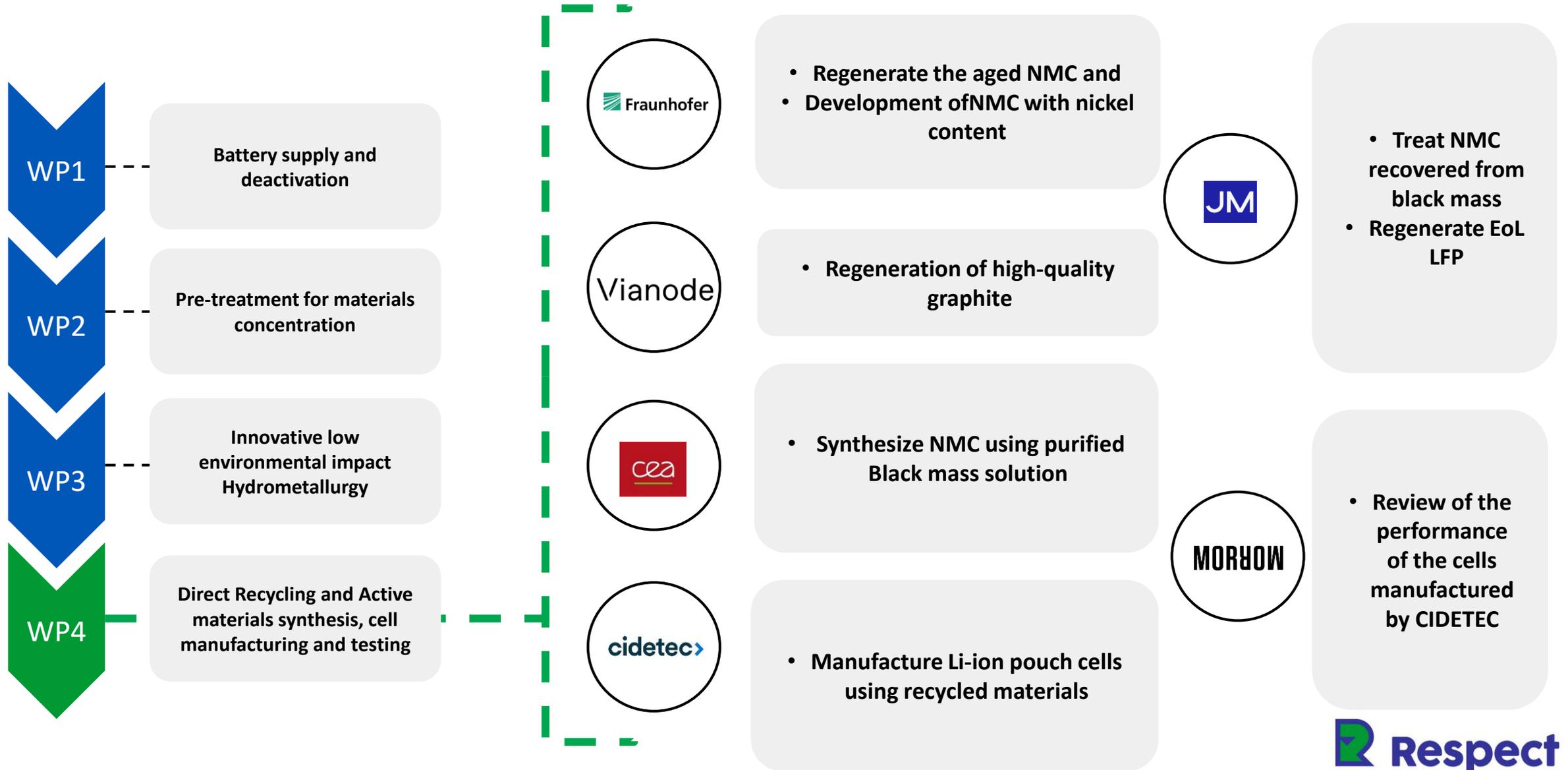
# OPERATIONAL VIEW OF THE RECYCLING PROCESS



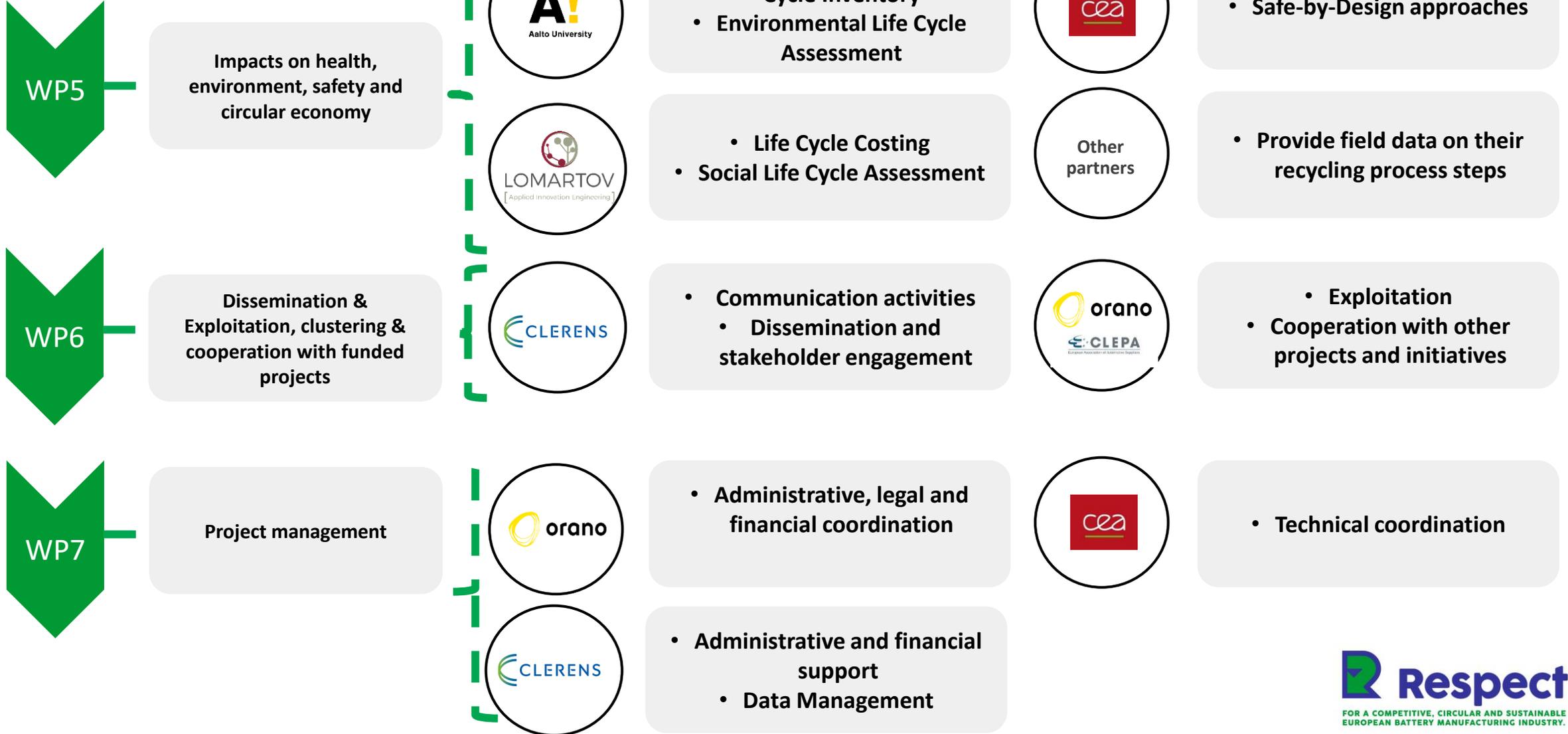
# OPERATIONAL VIEW OF THE RECYCLING PROCESS



# Operational view of the recycling process



# RESPECT process support



## Communication and dissemination activities

- Press release for the kick-off meeting held in September 2022
- First Newsletter
- Website (in progress)

## Next Event

- In June 2023, the consortium will organize a launch event in Brussels to present RESPECT to EU policy makers, industry representatives and civil society





# Respect

THANK YOU!

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