



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

CLUSTERING EVENT

14th November 2022

Justo Garcia

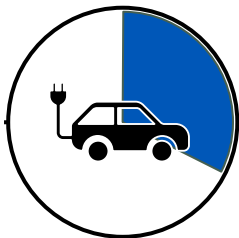


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CONTEXT AND CHALLENGES OF A RECYCLING PROCESS

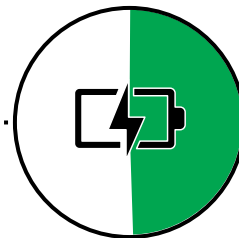
+30%



LIB's growth

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

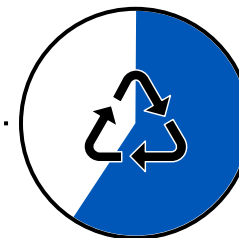
1000 GWh



LIB's demand

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

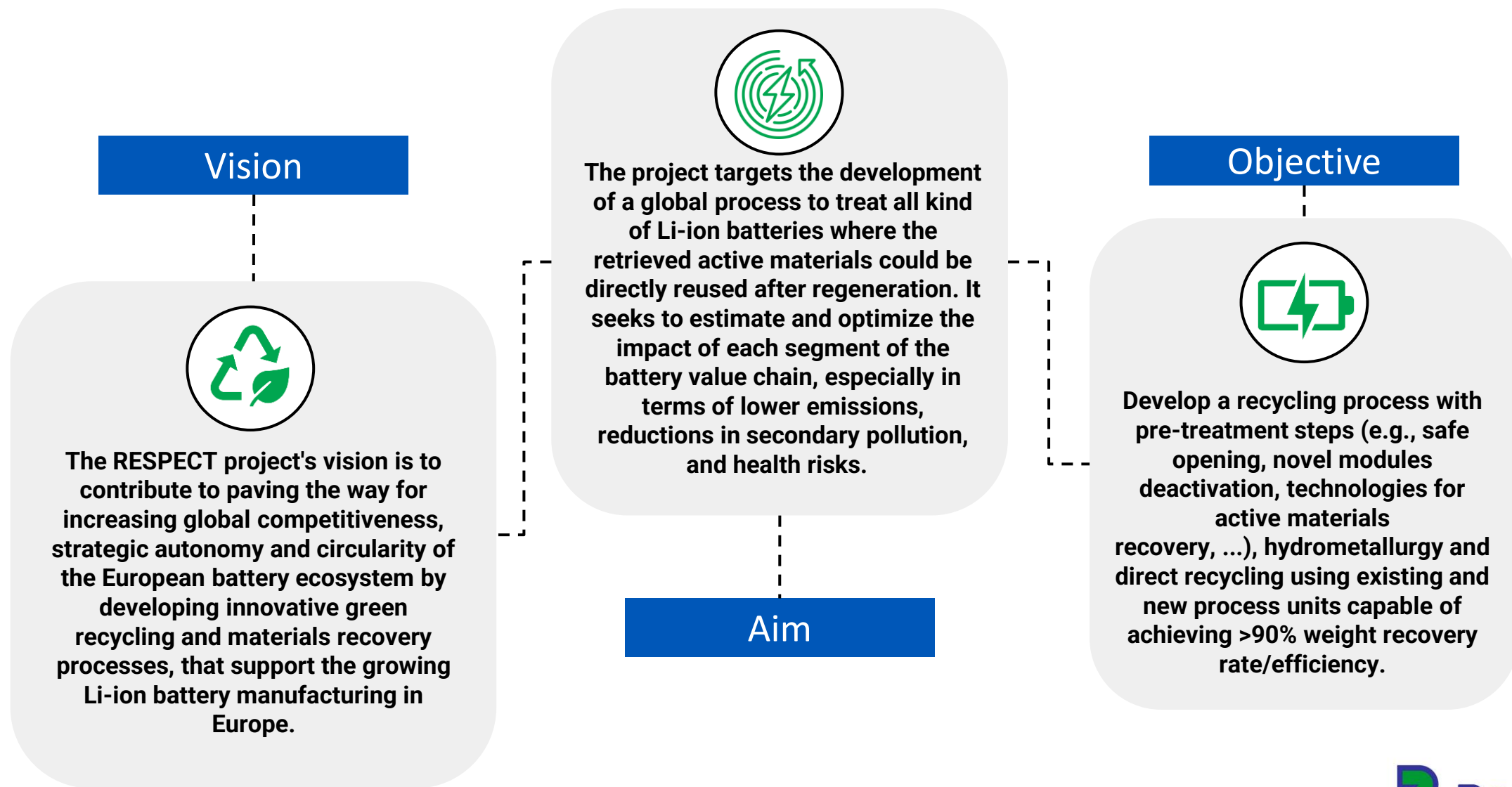
150 000 ^{EV}
Batteries



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

Coordinator

Orano Mining

- Justo Garcia
(Coordinator)
- Elisabeth Guillaut

Duration

48 months

- Start : July
2022
- End : June
2026

Beneficiaries

15
organisations

- +3 associate
partners
- 9 countries
involved

Topic

Recycling

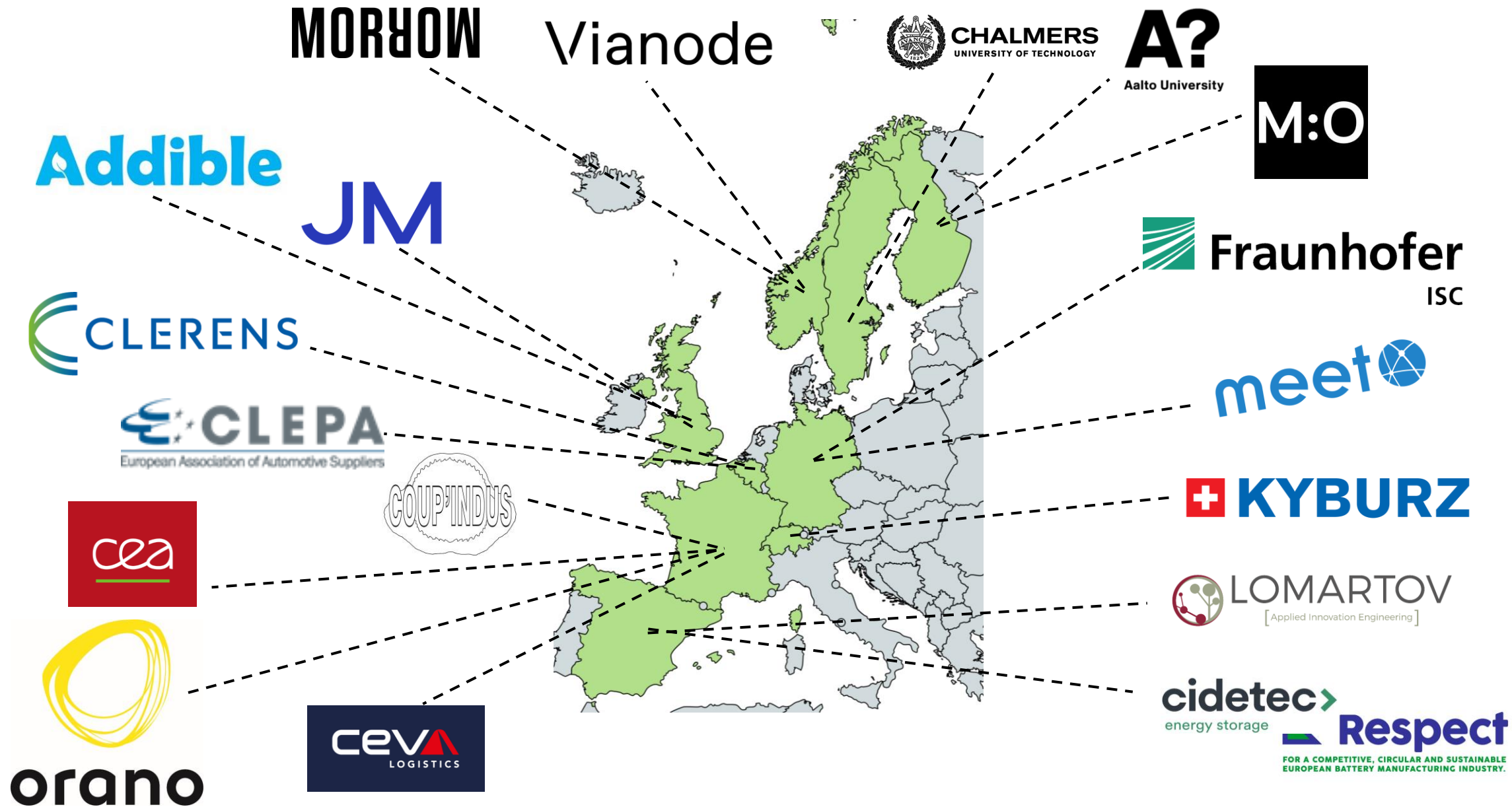
- Sustainable, safe and
efficient recycling
processes ID: HORIZON-
CL5-2021-D2-01-06
- Type of Action: RIA

Budget

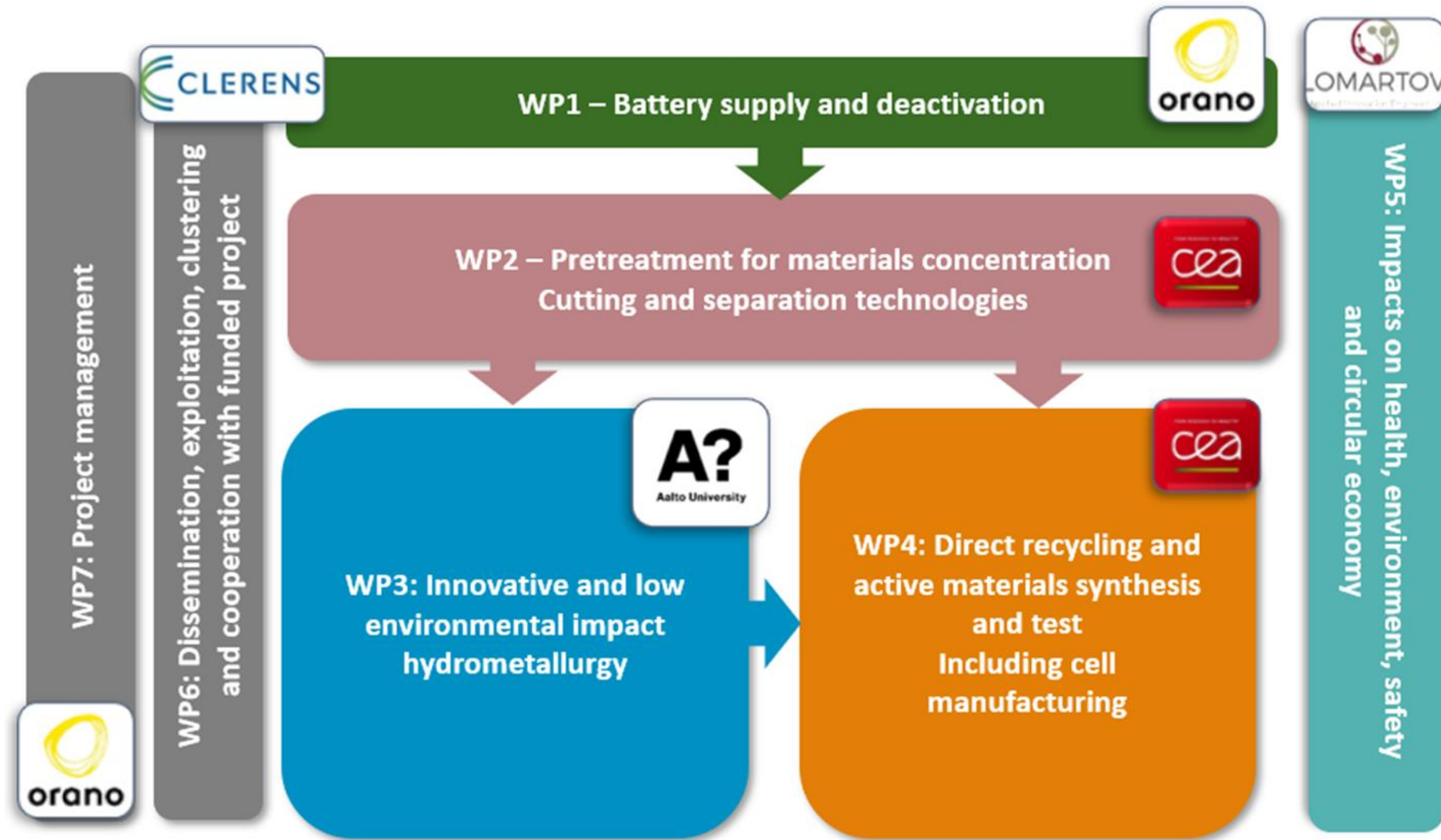
8 906 936.00€

- From Horizon Europe
- +Associate partner funding:
 - 1 million CHF : SERI
 - 790.000,00€ : UKRI

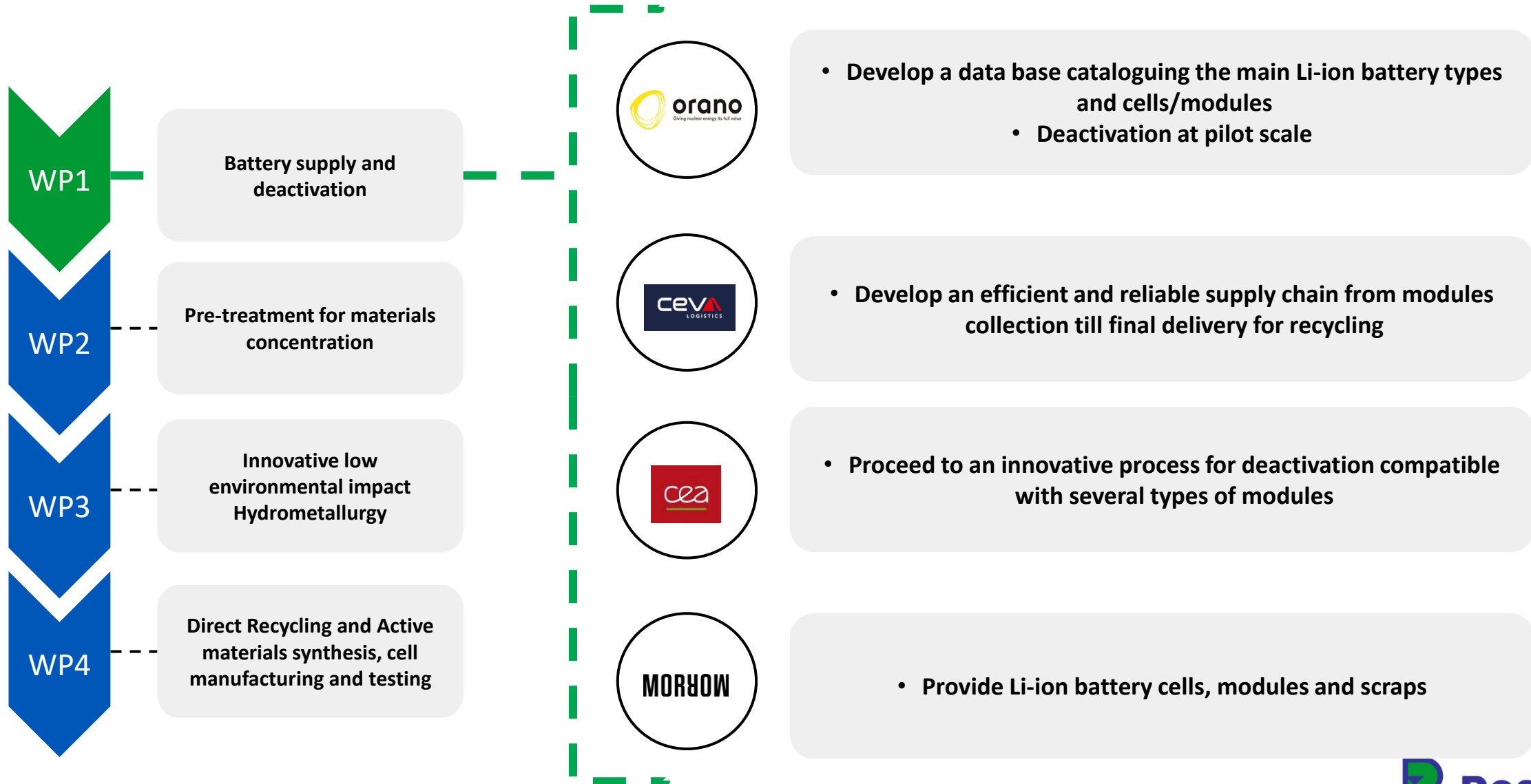
RESPECT SNAPSHOT



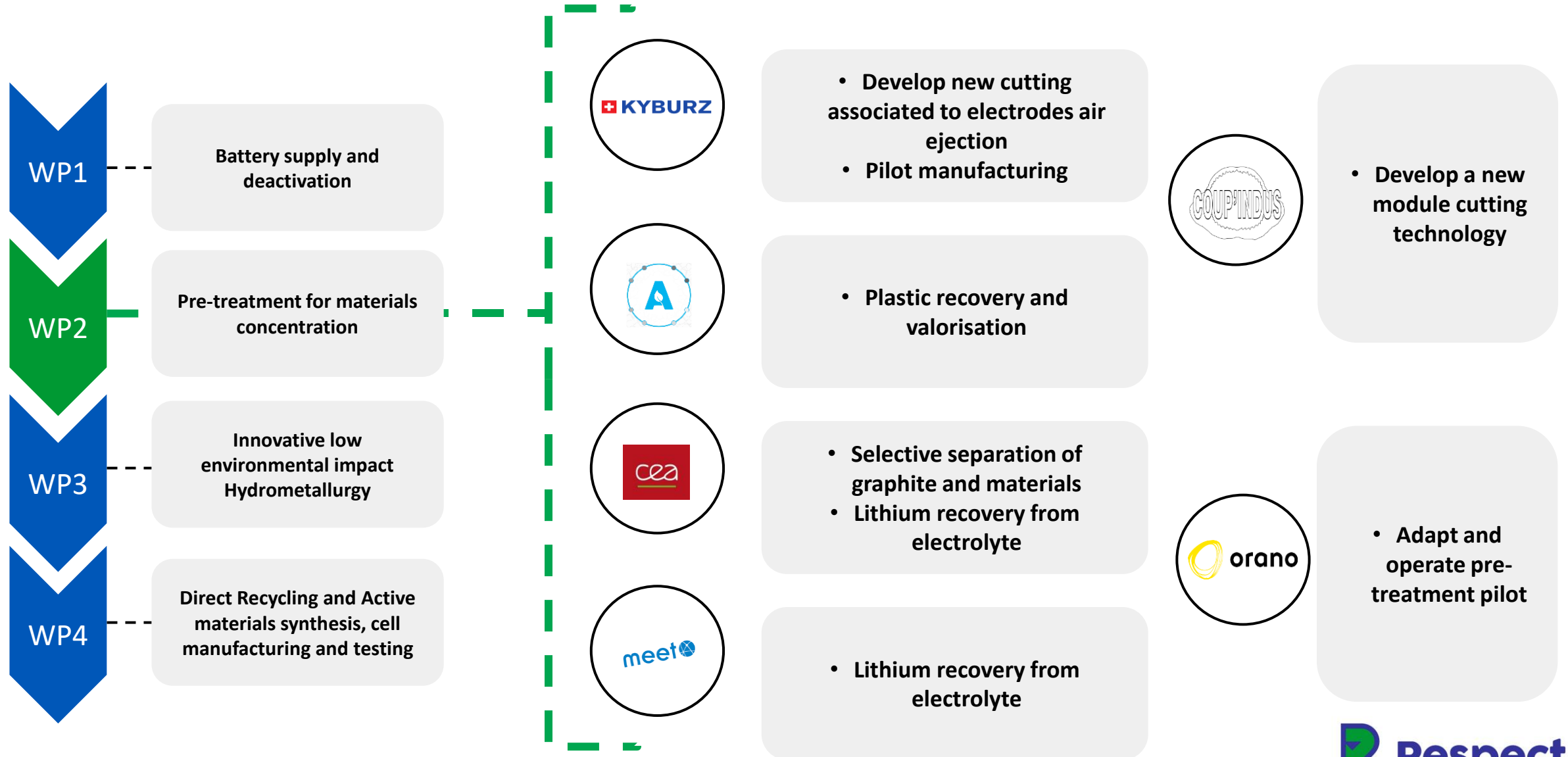
RESPECT PROJECT WORKPLAN



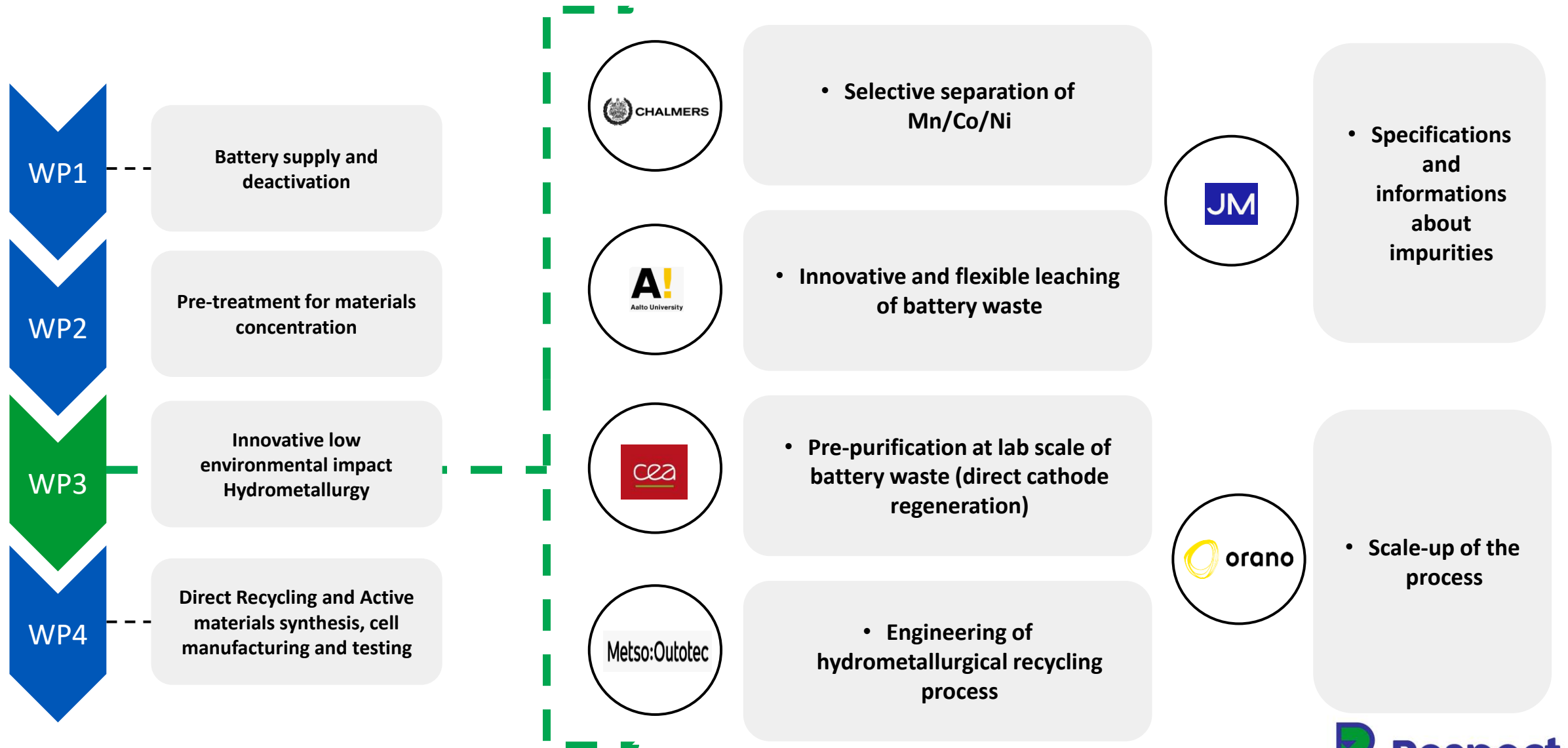
OPERATIONAL VIEW OF THE RECYCLING PROCESS



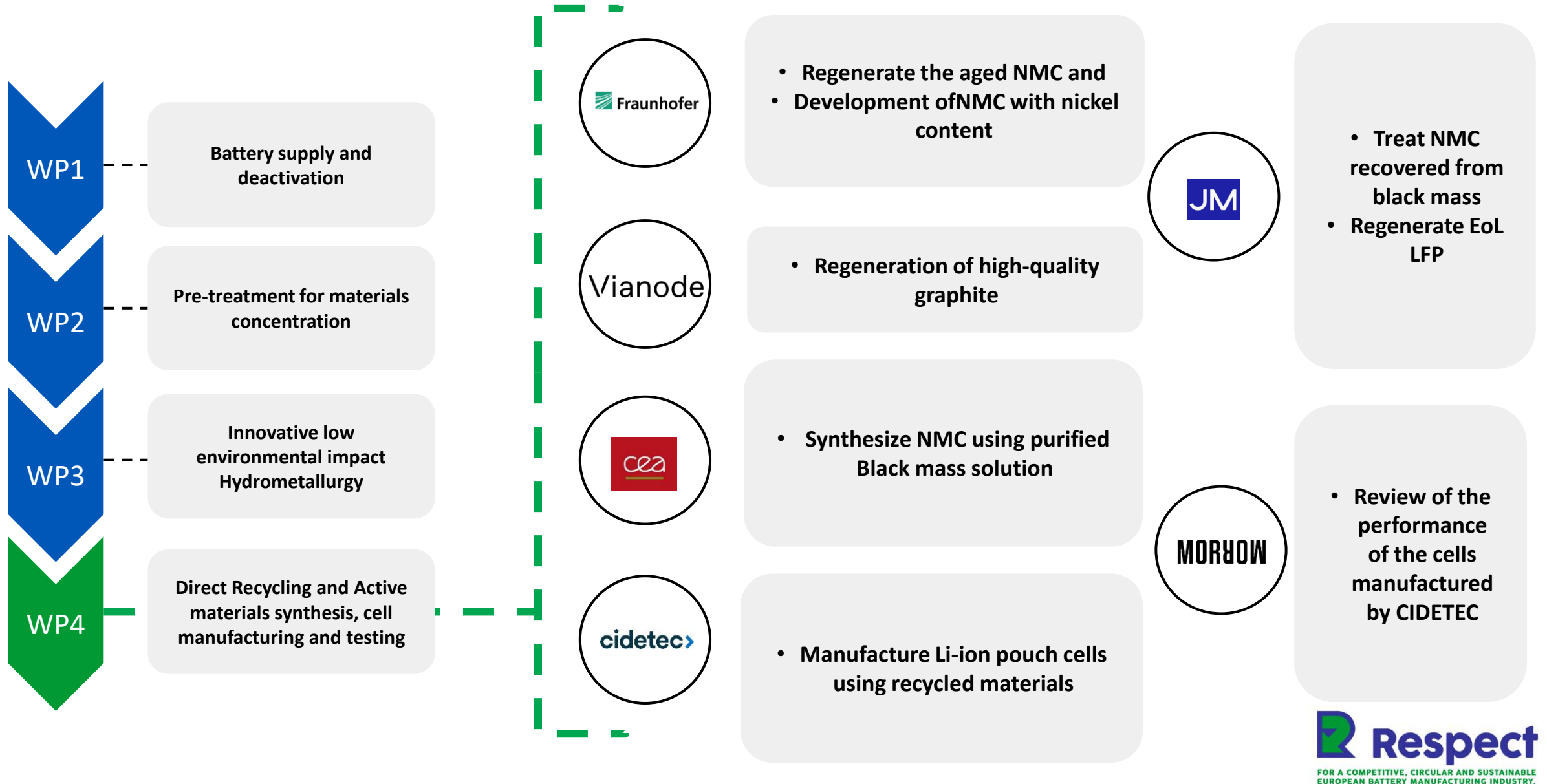
OPERATIONAL VIEW OF THE RECYCLING PROCESS



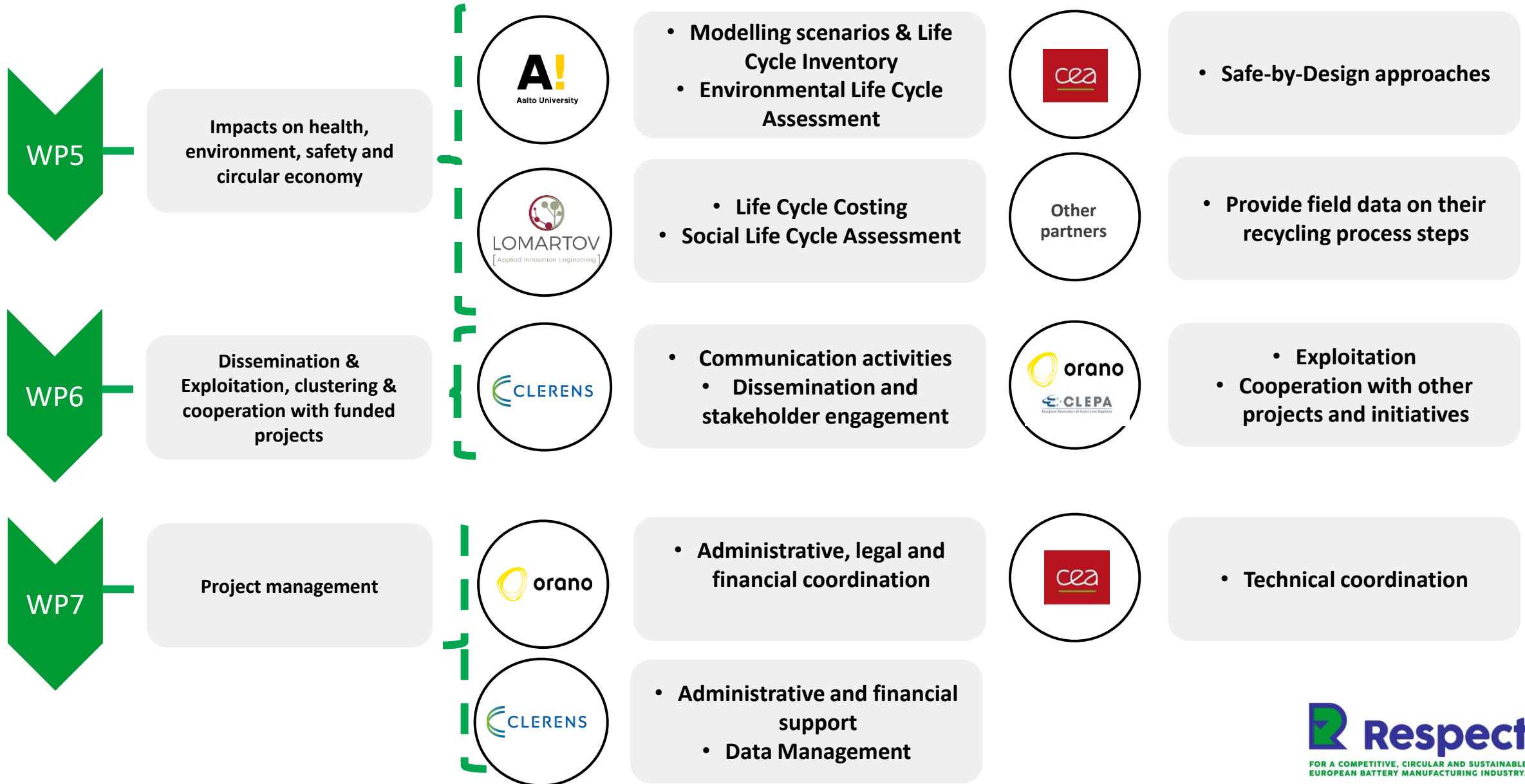
OPERATIONAL VIEW OF THE RECYCLING PROCESS



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





THANK YOU!

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