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INNOVATIONS



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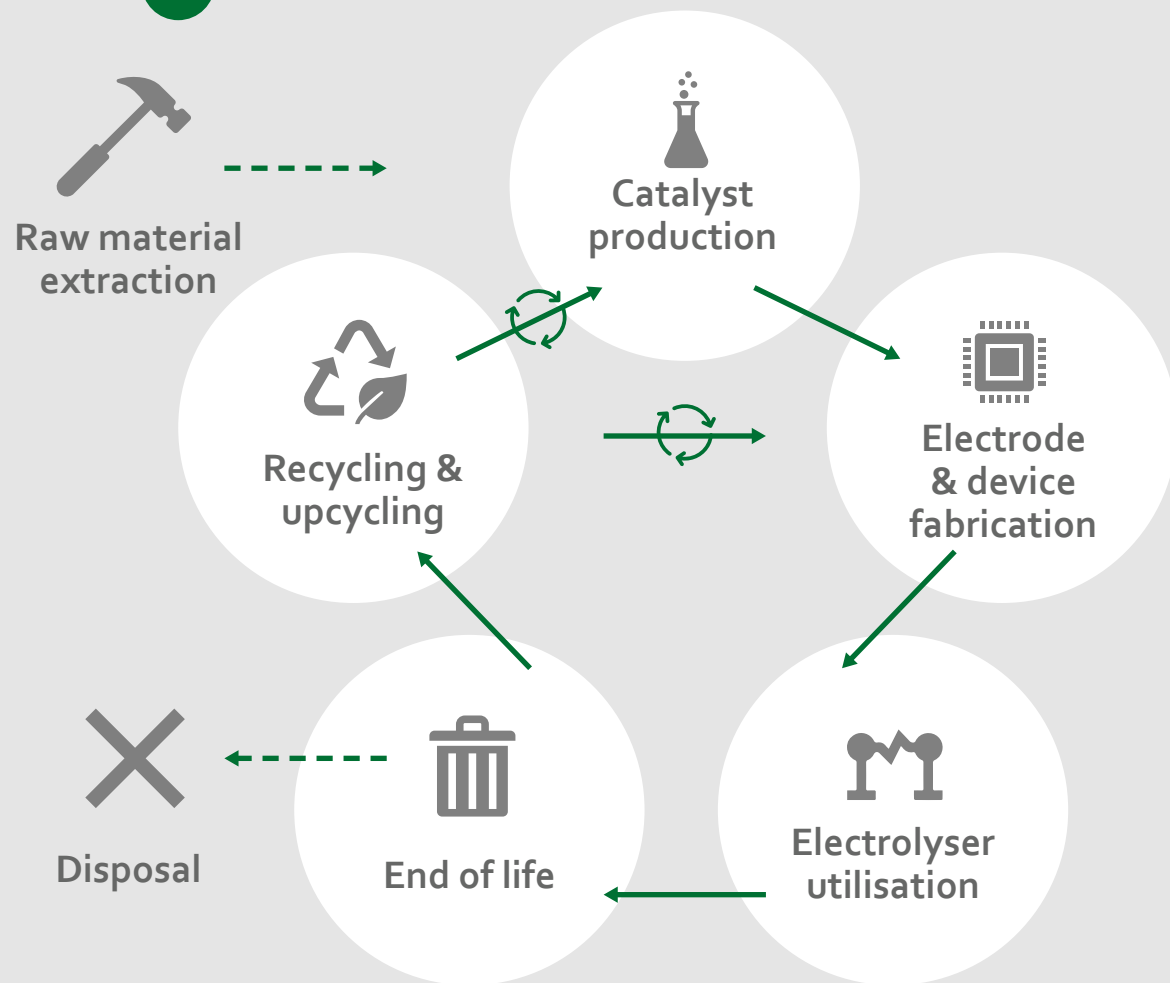
New sustainable and recyclable catalytic
materials for proton exchange membrane
electrolysers



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for Research & Innovation

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CONCEPT



OBJECTIVES

1. Develop and manufacture highly active sustainable oxygen evolution catalysts that will reduce or eliminate the use of Critical Raw Materials.
2. Establish a recycling scheme for proton exchange membrane electrolyser catalysts, electrodes and overall systems. By implementing the recovered elements in the new developed catalysts, dependence on materials import in Europe is reduced or avoided, thus reaching a full circular economy.

IMPACTS



Leading improved levelised cost of (renewable) energy



Improvement of EU energy storage competitiveness



Enabling reduced CO₂ emissions

