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New technologies and strategies for fuel cells and hydrogen technologies in the phase of recycling and dismantling

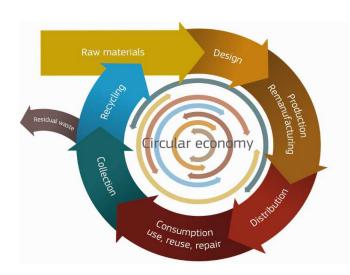
Grant No. 700190

www.hytechcycling.eu

Publication May 2017

## Hy Tech Cycling Crown

The main goal of HYTECHCYCLING is to deliver reference documentation and studies about existing and new recycling and dismantling technologies and strategies applied to Fuel Cells and Hydrogen (FCH) technologies, paving the way for future demonstration actions and advances in legislation.



## Key steps of the project

- 1. Pre-study and techno-economic, environmental, RCS assessment related to dismantling & recycling of FCH technologies to detect future needs and challenges
- 2. Development of new technologies and strategies applied to FCH technologies in the phase of recycling & dismantling and LCA analysis considering critical, expensive and scarce materials inventory

3. Proposal of new business model, implementation roadmap and development of reference recommendations and guidelines to focus the sector and pave the way for future demonstrations and introduction of the concept among FCH stakeholders.

**LCA** inventory of hazardous materials in FCH technologies 01/2018

**Guidelines on** readaptation recycling centres 01/2019

**New business** model and roadmap for implementation 05/2019

Dissemination and awareness plan 11/2016

Needs and challenges in the phase of recycling and dismantling established 07/2017

**New recycling** technologies and strategies in the phase of recycling and dismantling 01/2018

case studies with new strategies in dismantling and recycling state 11/2018

Set up of reference Recommendations and guidelines on the introduction of new technologies and strategies for recycling and dismantling of FCH products in

the EU

End

05/2019