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## **VIVAE Project : innoVatIve life cycles to keep the VAlue of power Electronics**

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# VIVAE Project

innovative life cycles to

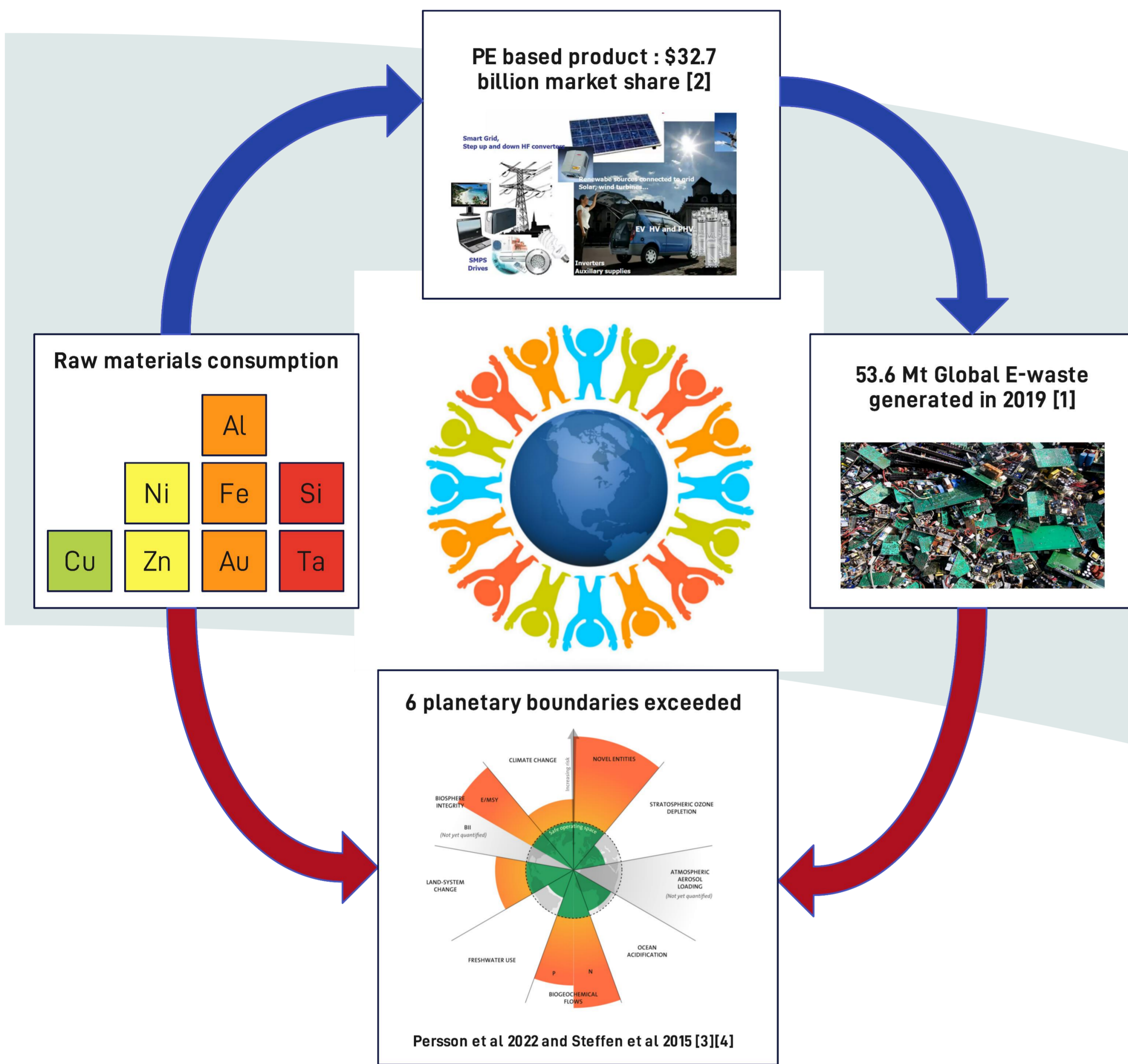
keep the value of power Electronics

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Supervisors : Thècle Alix, Maud Rio, Peggy Zwolinski,  
Jean-Christophe Crébier, Pierre Lefranc, Yves Lembeye, Nicolas Perry

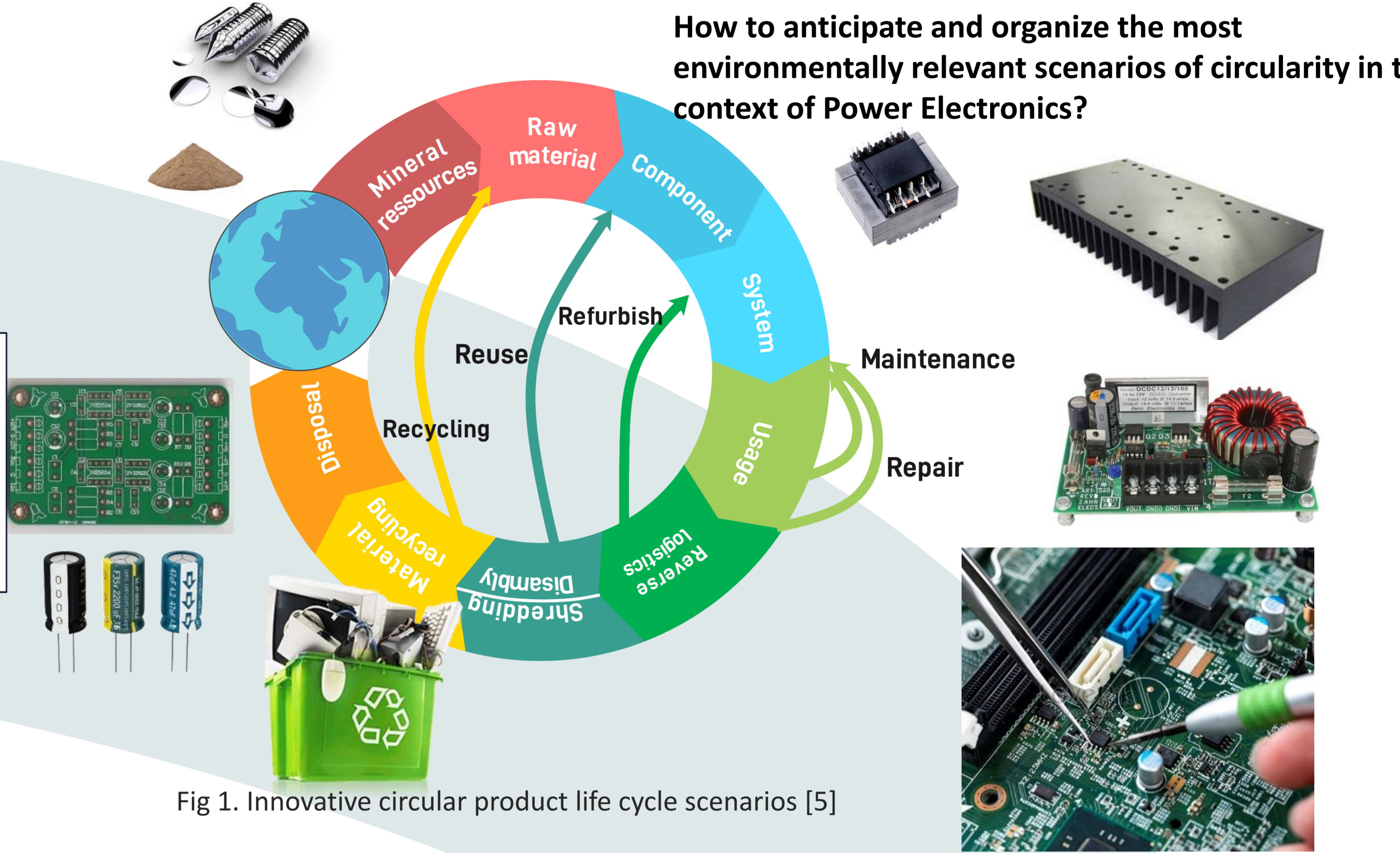
Learn more about VIVAE : <http://vivae.energie-societe.fr/>  
ANR Research Project 2021-2024



## WHY VIVAE?



## INNOVATIVE LIFE CYCLES



## CHALLENGES of CIRCULARITY in EP

## Life cycle value optimization of PEs: Toward the best scenario for sustainable circularity

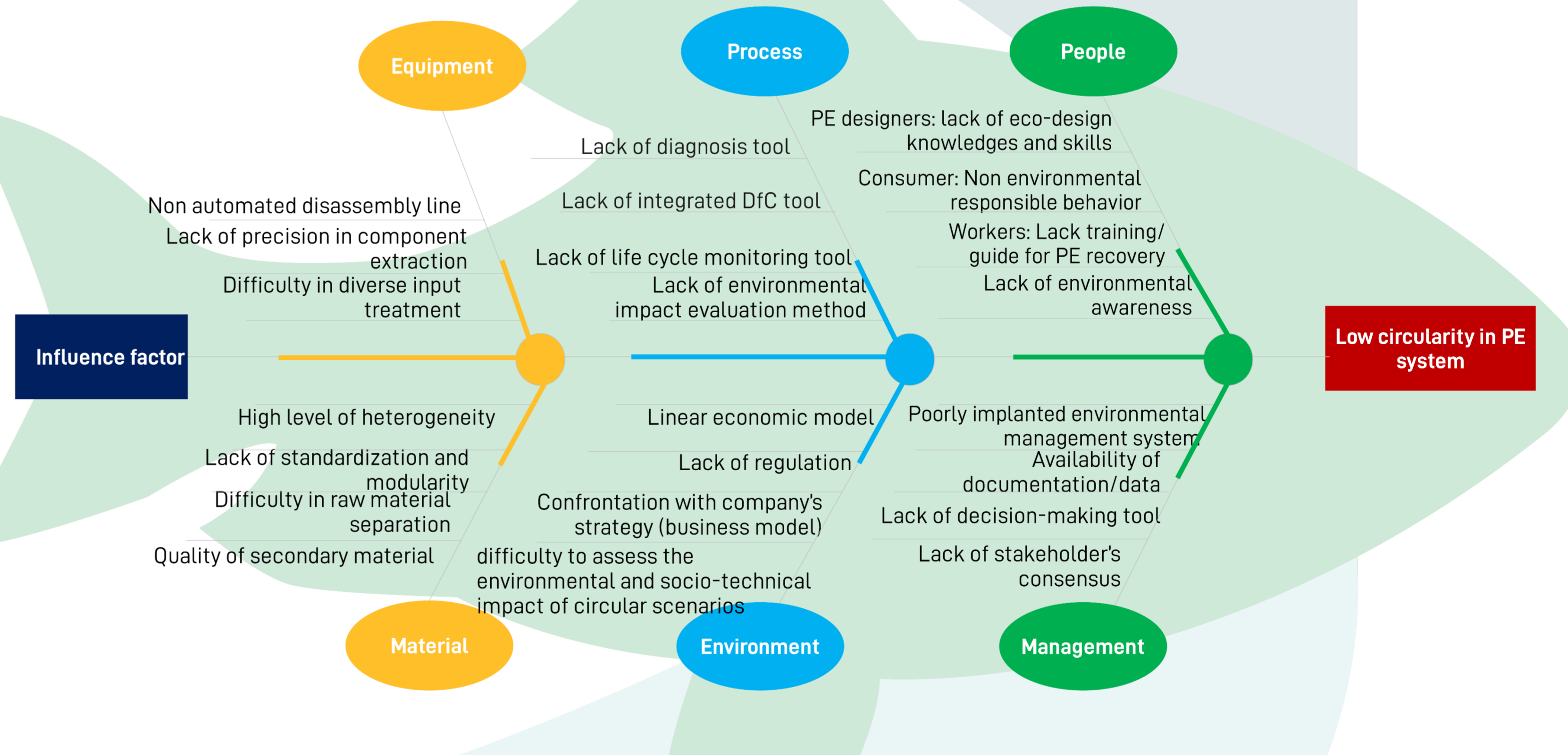
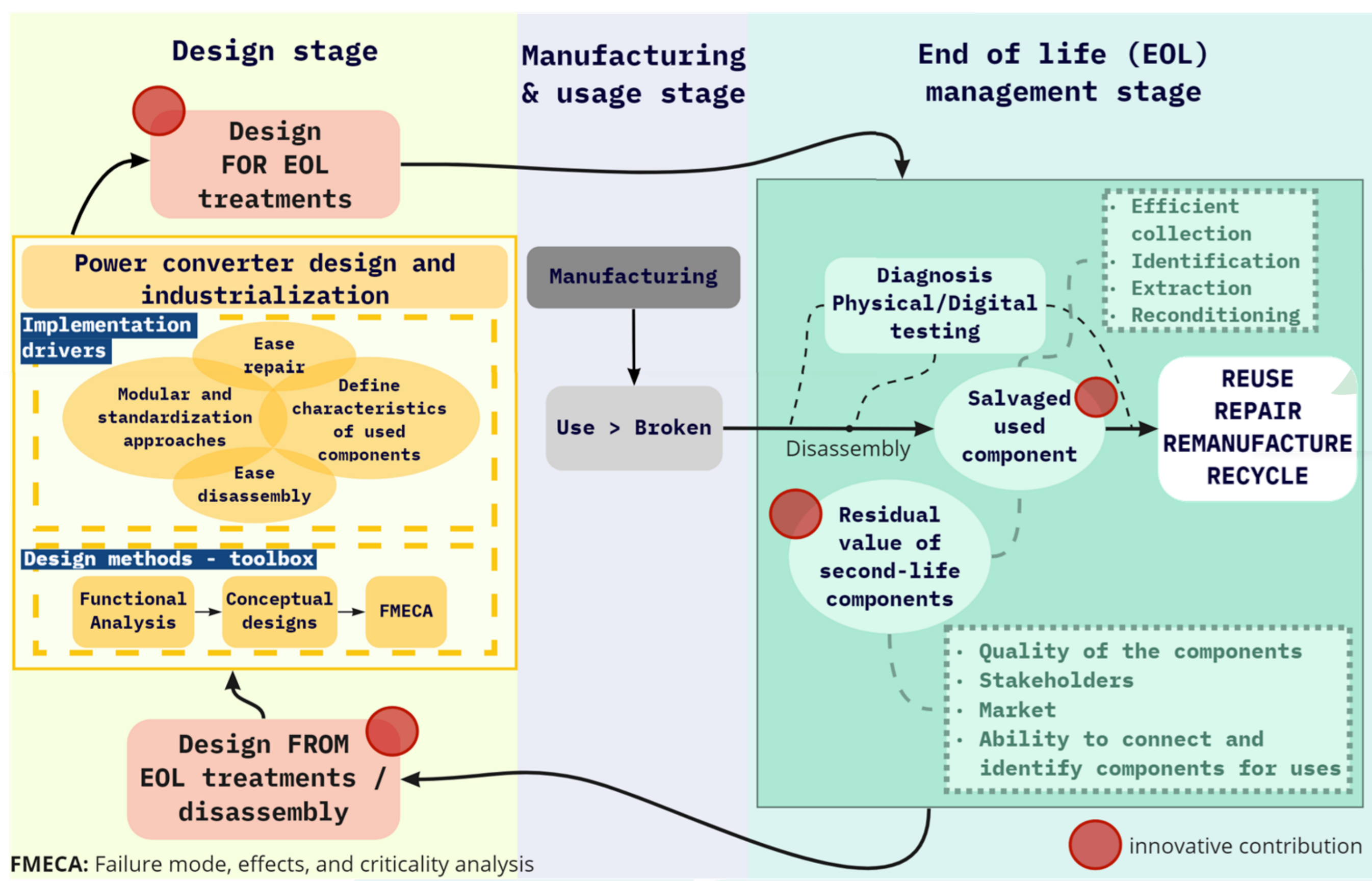
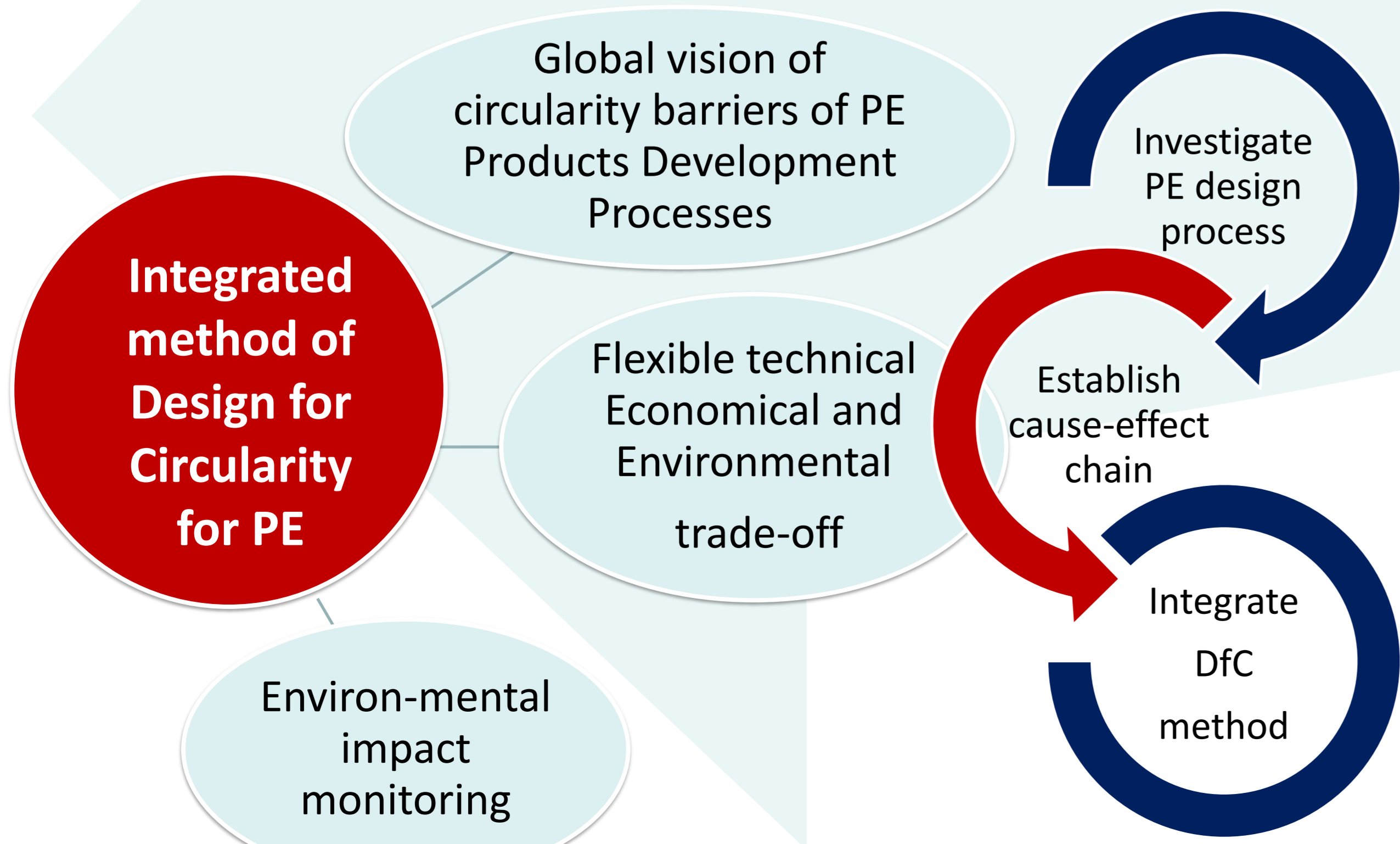


Fig 2. Challenges to integrate circularity into PE product development process (PDP)

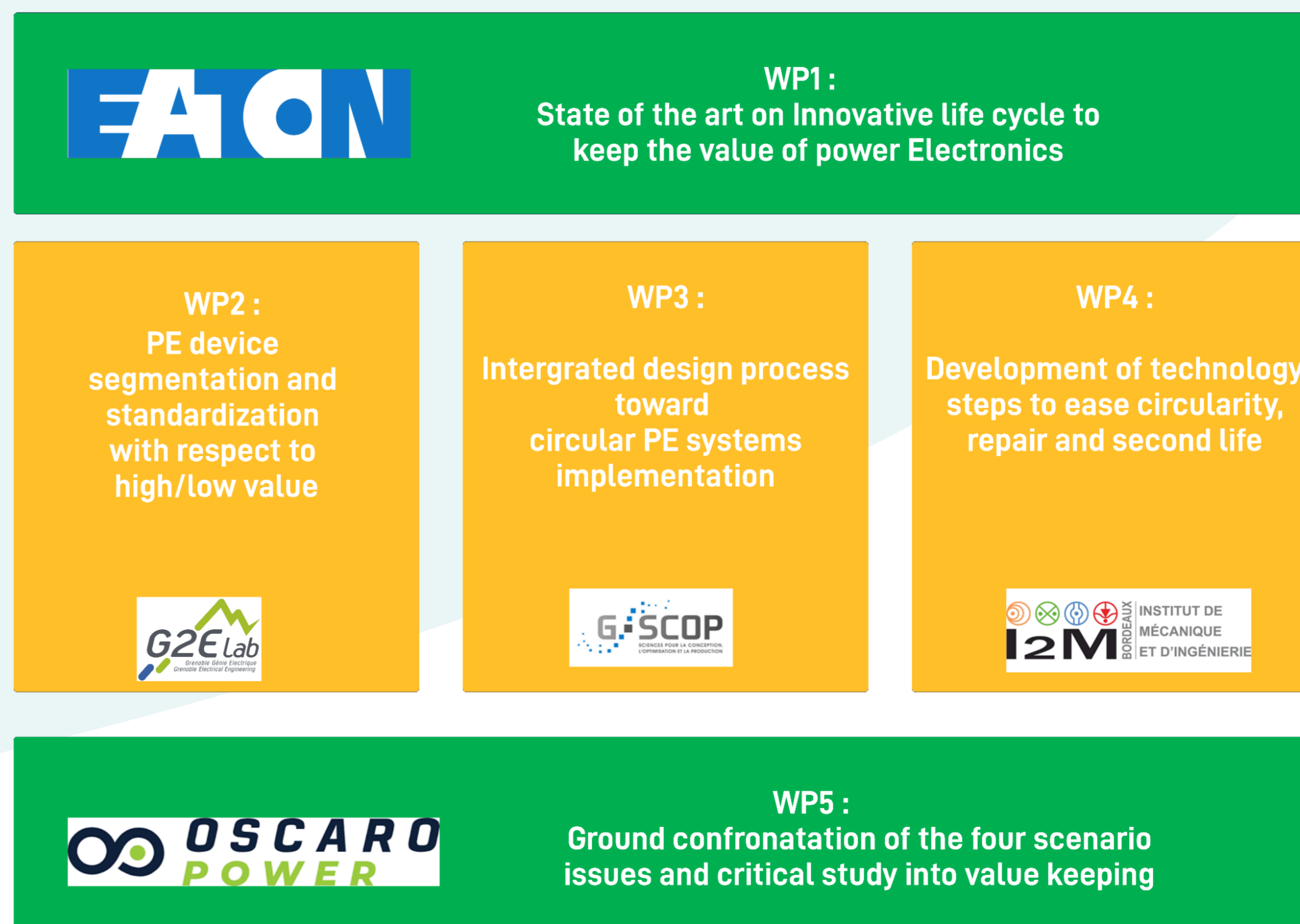
## Toward functional value preservation for sustainability in Power Electronics

### Objective

### Method



## VIVAE CONSORTIUM



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