



Circular economy: the 9R Framework

economy

R10 - Responsabilità?

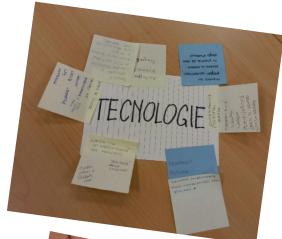
Circular Strategies [Kirkherr et al, 2017, economy adattato da Potting et al. 2017] Make product redundant by abandoning its function or by R0 Refuse Smarter offering the same function with a radically different product product R1 Rethink Make product use more intensive (e.g. by sharing product) use and manu-Increase efficiency in product manufacture or use by consufacture R2 Reduce ming fewer natural resources and materials Reuse by another consumer of discarded product which is still in good condition and fulfils its original function creasing circularity Repair and maintenance of defective product so it can be Extend used with its original function LOW CARBON
LOW CARBON
LCA APPROACH lifespan of R5 Refurbish product Restore an old product and bring it up to date and its Use parts of discarded product in a new product with the parts same function Remanufacture Use discarded product or its parts in a new product with a different function Process materials to obtain the same (high grade) or lower Useful (low grade) quality application Behavioral change! of mate-R9 Recover Incineration of material with energy recovery rials Linear

https://www.sciencedirect.com/science/article/pii/S0921344917302835















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