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Task 5: Environmental and economic impacts of newly developed processes and materials

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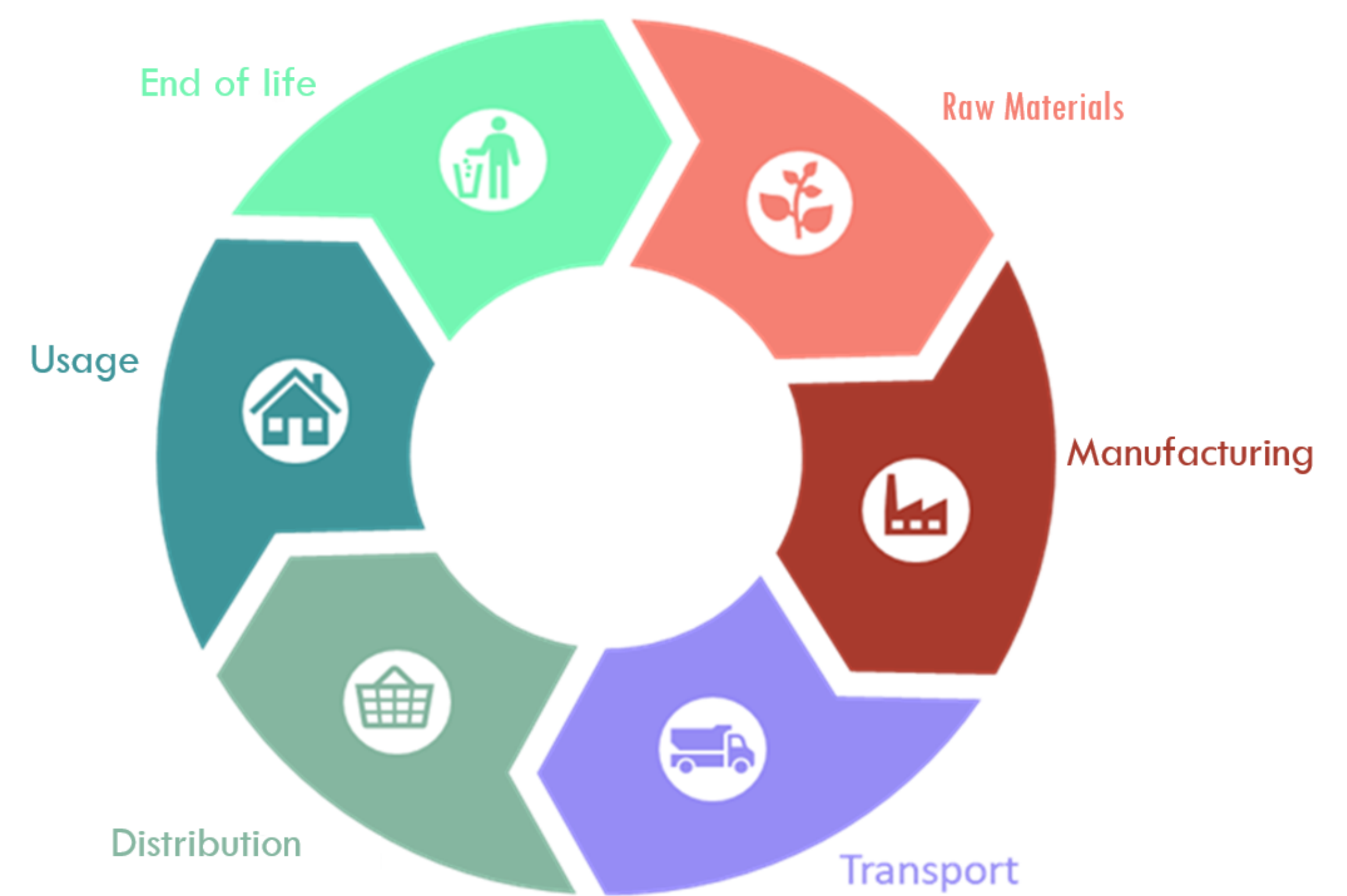


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Task 5: Environmental and economic impacts of newly developed processes and materials

Tâche 5.1 : Cadre méthodologique pour le couplage de l'ACV et des performances des meilleures techniques disponibles

- Understand the regulatory challenges related to the paper/cardboard value chains through regulatory monitoring.
- Provide an analysis of paper/cardboard processes and value chains in light of the Industrial Emissions
- Directive (IED 2.0), focusing on Best Available Techniques (BAT) and circular economy principles. Conduct Life Cycle Assessment (LCA) of PAC3R recovery processes



https://solinnen.com/blog/mis_en_avant/analyse-du-cycle-de-vie-acc-definition-et-principes/

Task 5.2 : Environmental assessment and territorial competitions for paper-cardboard waste-resource recovery chains.

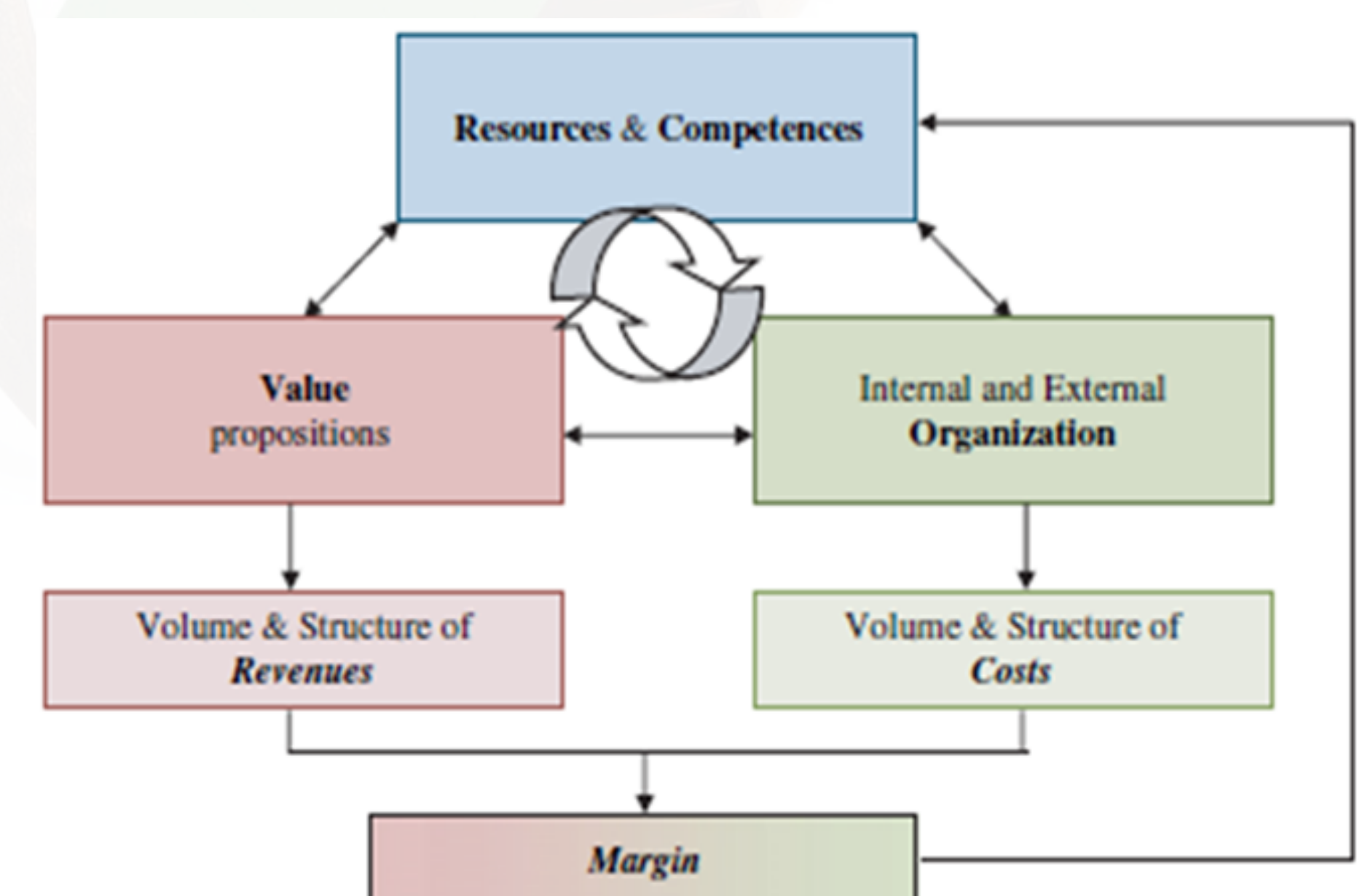
- Understand and model the territorial metabolism of waste
- Analyze competition dynamics
- Propose a decision-support tool for territorial planning of paper/cardboard management chains, integrating the new recovery pathways developed in other PAC3R tasks



<https://afifor.fr/environnement/>

Task 5.3 : Sustainable business model and business model innovation.

- How will the newly developed processes reshape existing ecosystems and lead to the emergence of new business models?
- What economic, societal, and environmental value can be created, and how?
- How are the different stakeholders organized within a sustainable business model?
- How is value delivered and captured within these ecosystems?



Demil & Lecocq(2010)