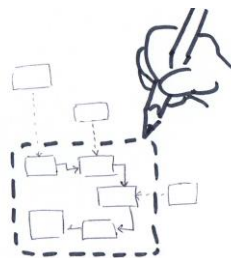
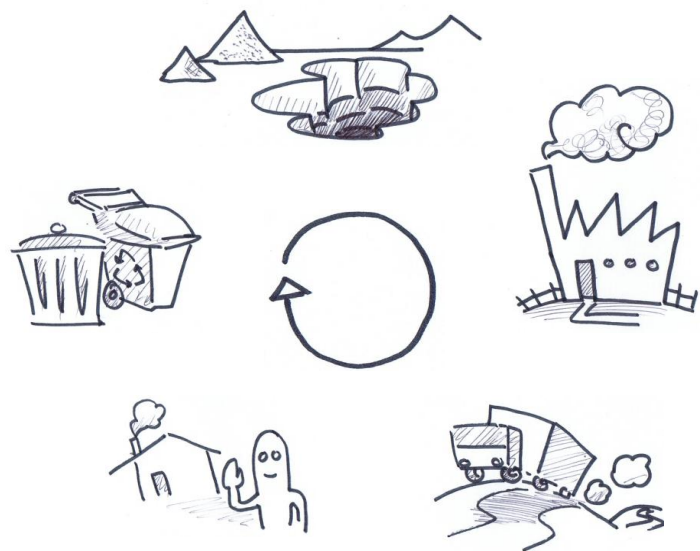




Life Cycle Assessment(LCA)

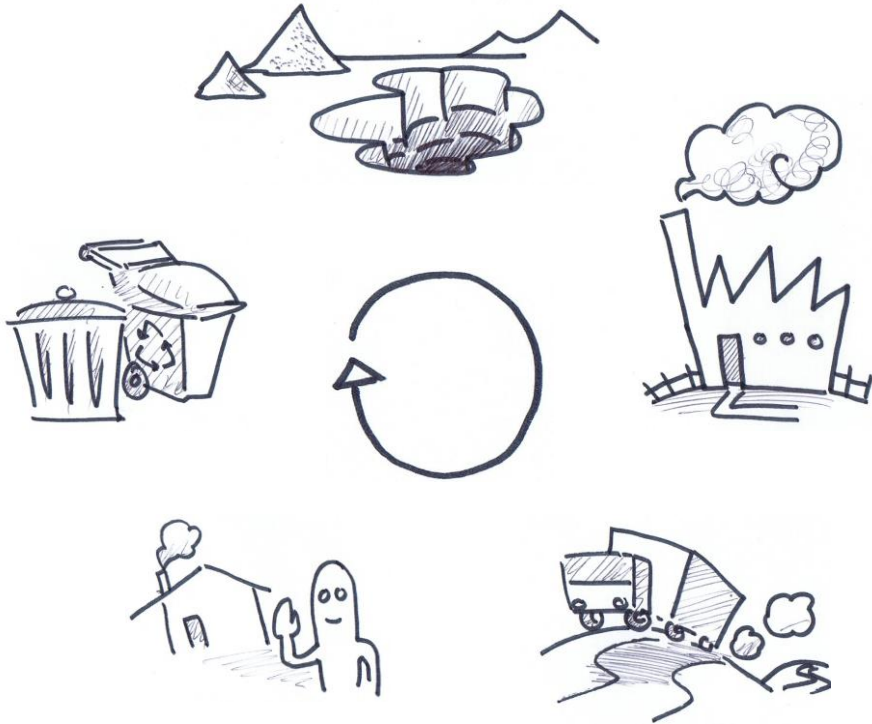
Presentation from Catalyst® Ltd



“Creating more from less”



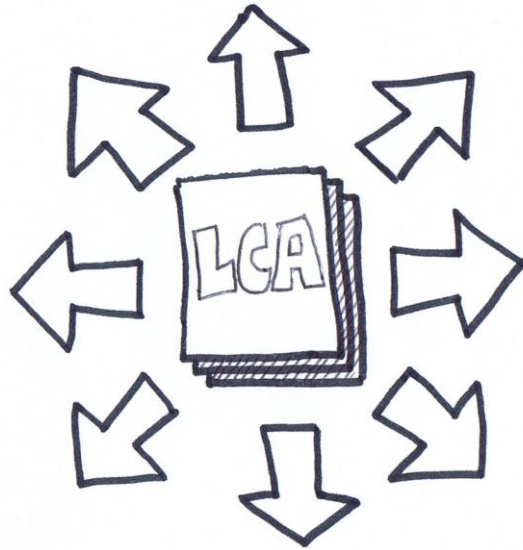
What is a Life Cycle Assessment (LCA)?



- ▶ A comprehensive environmental assessment of a product or service
 - Covering all its life cycle steps
 - From raw material extraction...
 - ... to the end of life
 - Addressing several environmental impacts
 - Global Warming Potential
 - Water consumption
 - Acidification
 - Air pollution
 - ...
- ▶ An LCA study often compares different systems providing the same function
- ▶ LCA is the most internationally recognised method to address environmental impacts and is based on ISO 14040-44 standards



Organisations need comprehensive environmental assessments of their products or services

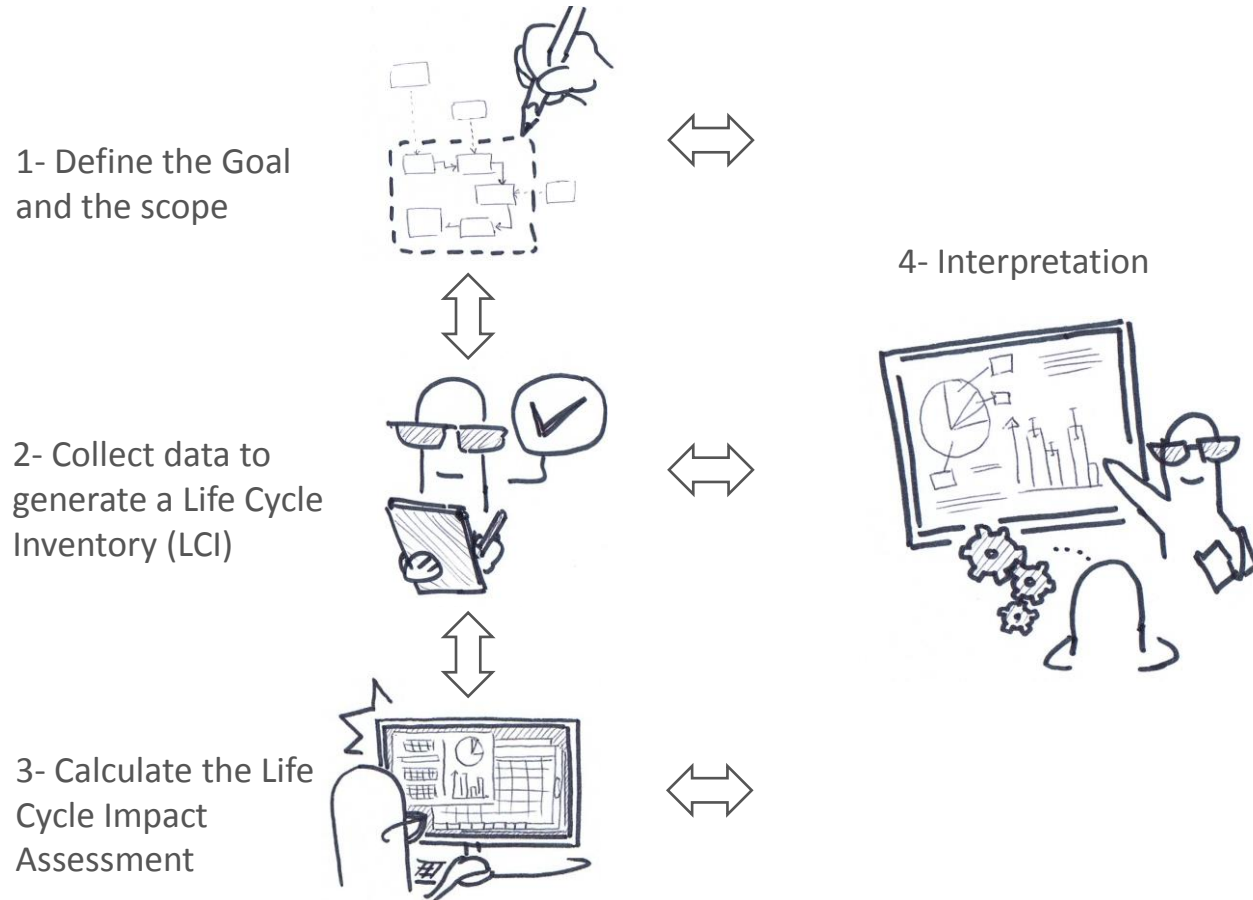


- ▶ To support decision-making in new product development
- ▶ To beat the competition and win a tender
- ▶ To compare different scenarios and assist Board strategy or policy
- ▶ To prepare an Environmental Product Declaration (EPD) for communication purposes
- ▶ As part of their corporate responsibility



How to undertake an LCA

▶ LCA is a 4 step process



- ▶ According to the international standard, LCA may be an iterative process
- ▶ For communication purpose, the LCA may be reviewed by an independent third party
- ▶ LCA may be the first step toward an Environmental Product Declaration (EPD)



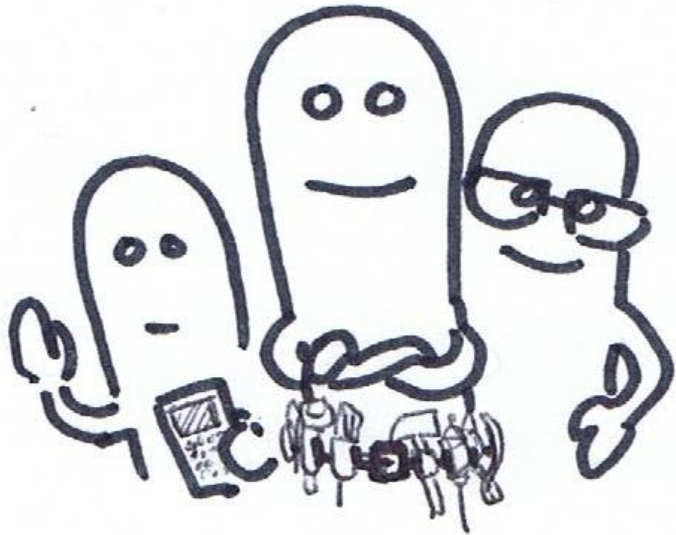
LCA has positive side-effects! ...



- ▶ Identifies environmental hotspots
 - Eco-design your product
 - Cost reduction
- ▶ Improves your supply chain
 - Better relationship with your suppliers/clients
 - Cost reduction
- ▶ Benchmarking
 - Be the reference within your product category
 - Lead the market and generate your own Product Category Rules
 - International recognition
 - Expand into new international markets
- ▶ Unite your teams
 - Create cross functional projects
 - Value and recognition for your employees
- ▶ Communication
 - Value for your stakeholders and information for your customers



... Catalyst[®] Ltd has the expertise to help you access these benefits



- ▶ Our environmental footprint specialists will perform LCA for
 - Your sustainability officer
 - Your product managers
 - Your marketing team
 - Your board
- ▶ We will
 - Define your goal and the scope of the study
 - Collect your activity data and model your system thanks to our professional LCA database and software
 - Calculate and interpret the results
 - Write a LCA report aligned with international standards
- ▶ Resources
 - LCA projects take 2 to 6 months depending on your product(s) and the selected scope
 - LCA screening could be performed to reduce time and cost
 - Contact us for a tailor made quote



Catalyst[®] Ltd delivers high standard LCA's



- ▶ We have a proven ability in environmental footprinting of products
- ▶ We have experience in dealing with boards and cross functional team
- ▶ We have experience in managing complex Life Cycle Assessment projects
- ▶ We have references across various industrial sectors to enhance our adaptability to your product and your teams methods
- ▶ We are actively involved in the Australasian LCA community
 - Member of ALCAS and LKANZ
 - Part of the Technical Advisor Group of the Australasian EPD scheme





▶ Contact us

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