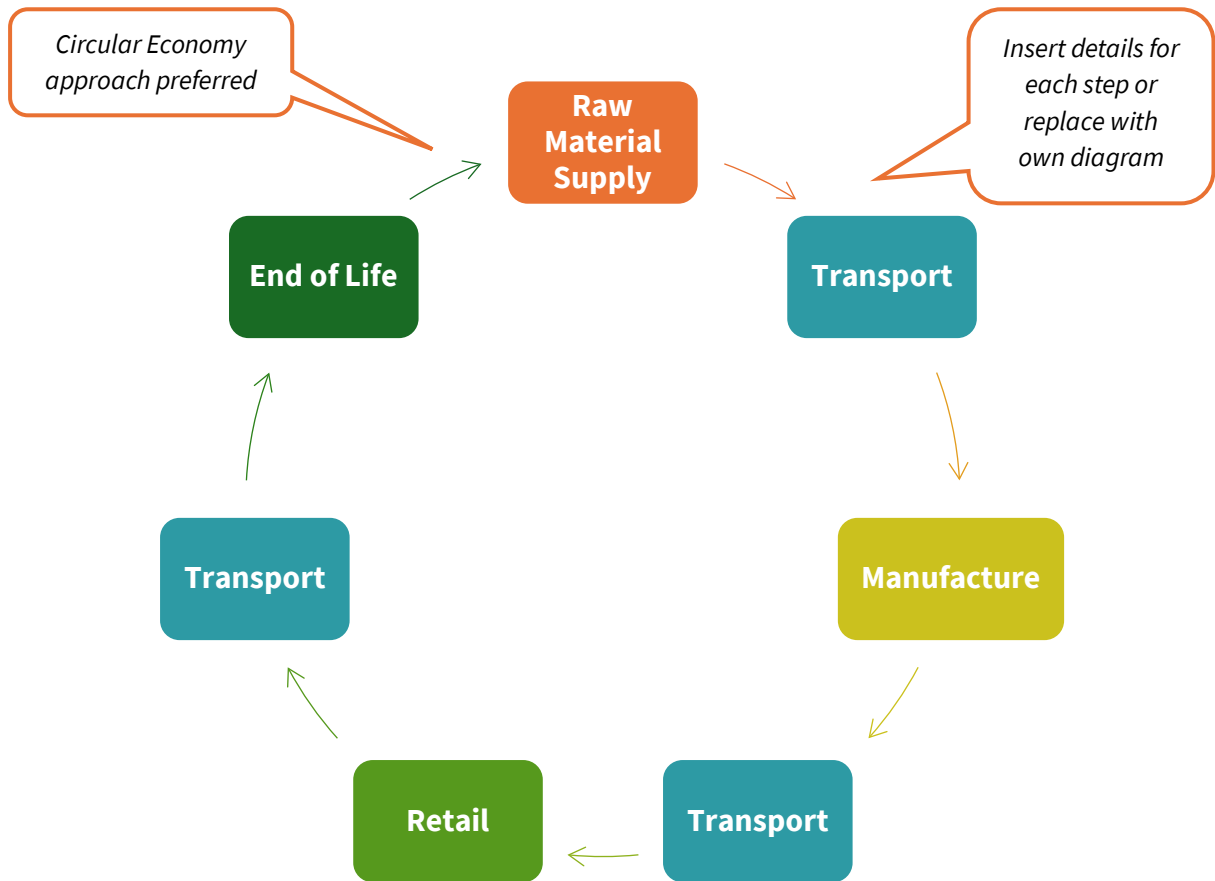




GUIDANCE NOTE 1: LCA

LIFE CYCLE DIAGRAM



NOTE: PRODUCT OPERATIONAL LIFE CYCLE SHOWN. SERVICE OR PROJECT LCA WILL DIFFER

LIFE CYCLE BOUNDARIES DEFINITION

Start:

eg. Inwards Goods

Stop:

eg. Outwards Goods

Boundaries: Operational Financial

Where applicant has direct control of activities, eg. most do not have direct operational control of transport



GUIDANCE NOTE 1: LCA

LIFE CYCLE ASSESSMENT PHASES

1. PURPOSE AND SCOPE

- a. Define Purpose of LCA (eg. win Green Tick® Certification)
- b. Define Product (or Service or Project) Unit
- c. Define System (eg. manufacturing of a defined product)
- d. Define limits of LCA (eg. single production line)

2. LIFE CYCLE INVENTORY ANALYSIS

- a. Define inputs and outputs by measurable units (examples below)
 - i. Raw materials
 - ii. Chemicals
 - iii. Energy
 - iv. Water
 - v. Contaminant discharges, including GHG emissions
 - vi. Waste management
- b. Collect at least one year of data on each input and output
- c. Note sustainable sourcing (eg. supplier products certified sustainable, renewable or zero emissions energy sources)
- d. Create Life Cycle Inventory (LCI) Flow Model (diagram) as a summary of LCI

3. LIFE CYCLE IMPACT ASSESSMENT

- a. Define health, safety and sustainability impact categories according to Green Tick® [Certification Standards](#) for ecolabel sought
- b. Assign results from Life Cycle Inventory to appropriate impact category
- c. Summarise key findings from Life Cycle Impact Assessment (LCIA)

4. INTERPRETATION

- a. Identify areas where certification standards are met, or not met
- b. Identify areas where company standards are met, or not met
- c. Identify areas where results show legal, operational, reputational or financial risks or exposures
- d. Review fidelity and limitations of LCA project
- e. Define conclusions and recommendations for corrective actions if required
- f. Complete Environmental Product Declaration where appropriate

References: ISO 14044:2006, ISO 14025:2006. This Guidance Note is for information only. It does not guarantee the grant of any application for Green Tick® Certification. We recommend that applicants engage their own suitably-qualified LCA staff or consultants to complete this analysis.