

# YOUR PATHWAY TO CRITICAL REVIEW

## Life Cycle Assessment (LCA) according to ISO 14040/44

As part of the process leading to the critical review, the applicant company must first complete Stages 1–3 and document the results in the LCA report

### 1 Goal and Scope definition of the LCA

- Rationale of the study, indication of potential target groups
- Description of the product system, including a process diagram
- Description of the functional unit
- Indication of the system boundaries
- Description of cut-off rules, assumptions, limitations
- Description of impact categories' choices

### 2 Life Cycle Inventory and Life Cycle Impact Assessment

- Flow diagram of the system as graphical representation of the product system with all process modules
- Description of data collection for all mass and energy flows and subsequent data validation
- Description of classification and characterization methods used
- Calculation of potential environmental impacts, impacts on human health and resource availability

### 3 Life Cycle Interpretation

- A summary of the results obtained in the assessed life cycle
- Interpretation of the results obtained in the Life Cycle Inventory and Life Cycle Impact Assessment according to the LCA goal definition

### 4 Critical Review of the LCA

