



## Circularity Assessment Guideline – 4 Phases



### Phase 1 Assessment of Materials, Resources and Waste Streams

Assessment of the different operations along the life cycle (manufacturing, transport, operation, disposal) to create a map of materials, resources (water, energy) and waste streams

### Phase 2 Life Cycle Cost Assessment

Definition and development of the life cycle cost model of the product (LCC)

### Phase 3 Definition of Sustainability & Circularity Metrics

Related to environmental and life cycle costs, efficiency in the use of materials and resources

### Phase 4 Identification of Circularity and Competitiveness Opportunities

Related to strategy, business, model, ecodesign, circular supplies, eco-efficient processes, energy and water

This guideline facilitates self-assessment of circularity in companies, helping to identify circularity, sustainability and competitiveness improvement opportunities.

## Objectives

1. Create a map of materials, resources and waste streams along the life cycle
2. Define the life cycle cost structure
3. Define sustainability and circularity metrics
4. Ease adaptation to circular economy trends (legislation, market, sector)
5. Identify circularity and competitiveness improvement opportunities

## 4 Steps to identify opportunities

Steps to identify opportunities in every operation of the product life cycle in Phase 4

