



**LAND MANAGEMENT, ENVIRONMENT & SOLID-WASTE:
INSIDE EDUCATION AND BUSINESS IN CENTRAL ASIA
ERASMUS-EDU-2023-CBHE Project Number: 101129032**

MICRO-CREDENTIAL

**CIRCULAR ECONOMY FOR LAND AND WASTE
MANAGEMENT**

**1.- Introduction to Circular Economy in Land and Waste
Systems**

Activity 1

***Concept-map worksheet: “Linear vs circular material
flows”***



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Activity 1: Concept Map – Linear vs Circular Material Flows

Objective

The aim of this activity is to help students understand the difference between linear and circular material flows and to visualize how resources move through economic systems.

Task

Create a concept map that illustrates how materials flow in a linear economy and how these flows change in a circular economy.

Your concept map should include the main stages of material use and show the relationships between them.

Instructions

Begin by identifying the main stages of a linear material flow, such as:

- resource extraction
- production and manufacturing
- distribution and consumption
- waste generation and disposal

Next, illustrate how these flows change in a circular economy.

Use arrows to show how materials move between stages.

Clearly indicate how circular strategies help reduce waste and keep materials in use for longer periods.

Output

Your concept map should be presented as a diagram or visual scheme that clearly compares the linear and circular systems.

Guiding Question

How does the circular economy change the direction and lifecycle of material flows compared to the traditional linear model?

Submission

Upload your concept map as an image, PDF, or diagram file to the course platform.