

## **LO 9: ENVIRONMENTAL AWARENESS: RECYCLING, REUSE AND WASTE MANAGEMENT**

The **Learning Outcome (LO) 9: Environmental awareness: recycling, reuse and waste management** is focused on waste minimization as one of the most important world problems of our age and its placement at the top of the waste management hierarchy of issues that have to be solved urgently. The LO presents basic information about recycling and reuse industry as a source of added economic value to the materials, its economic, environmental, social and ecological advantages, and its function as a mechanism for increase of the labour force. Waste recycling and the instruments for waste recycling promotion in the light of the PRO EUROPE wellness strategy are discussed. Special emphasis is given on the impact of recycling on waste prevention and contribution to environment protection and economy. The potential of recycling in energy and natural resources saving, and reduction of pollution risks is discussed. The learning material offered reveals as well the business waste actions that involve reduce, reuse and recycling and stresses on the active position of the business about the waste production environment, and the recycling and reuse business risk assessment.

## **LO 10: ENVIRONMENTAL RISK ASSESSMENT IN WASTE MANAGEMENT**

The **Learning Outcome (LO) 10: Environmental risk assessment in waste management** presents information about the main applications of this approach to evaluate any source of a hazard to or from the environment. The approaches to build and implement of a complete community solid waste programme are discussed. The impact on businesses that discharge industrial waste in violation of the waste management law are assessed with emphasis on waste management/recycling as business management risk, the benefits of recycling (environmental, social, economic) and its contribution in transformation of waste into a resource. The learning material is focused as well on the basic steps in the development of an environmental training programme, the supportive policy environment for implementation of good solid waste management (SWM) practices at local level. Data are given on how to choose appropriate technologies for collection and disposal of solid waste. Finally, some examples for activities performed by recycling businesses are given.

### **BASIC DATA ABOUT THE COURSE**

**Course Title:** Environmental awareness

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**Course type:**

Academic	Enrichment	Work-oriented training
		✓

**Target Group:** Teachers/trainers in adult education; education manager and other management staff in adult training institutions; non-teaching administrative staff

**EQF level:**

EQF level 5	EQF level 6	EQF level 7
✓	✓	✓

**Course aim:** to focus on waste minimization and its placement at the top of the waste management hierarchy of issues that have to be solved urgently. It also presents information about the main applications of this approach to evaluate any source of a hazard to or from the environment

**Knowledge background:** basic knowledge in chemistry, ecology and management

**Course content:**

**Learning Outcome 9: Environmental awareness: recycling, reuse and waste management**

1. Introduction
2. The recycling industry
  - 2.1 Waste recycling
  - 2.2 Instruments for waste recycling promotion
  - 2.3 Why incinerators are a waste of public money?
  - 2.4 Why recycling is better for the environment and the economy?
3. Impact assessment on the thematic strategy on waste prevention and recycling
4. Most Popular Reused Materials
  - 4.1 Recycling saves energy
  - 4.2 Recycling saves natural resources
  - 4.3 Recycling aluminium saves resources
  - 4.4 Recycling paper saves resources
  - 4.5 Recycling glass saves resources
  - 4.6 Recycling steel saves resources
  - 4.7 Recycling plastics saves resources
  - 4.8 Recycling Reduces Pollution Risks
5. Business waste actions involving reduce, reuse and recycling
  - 5.1 What is the present situation?
  - 5.2 Waste production environment and the active position of the business
  - 5.3 Recycling and Reuse Business Risk Assessment
6. References

**Learning Outcome 10: Environmental ethics and sustainability**

1. Environmental Risk Assessment in Waste Management
2. Solid Waste Programme

- 2.1 Reducing Waste
- 2.2 Separate Waste at Source
3. Impact on businesses that discharge industrial waste in violation of the Waste Management Law
  - 3.1 Waste management/recycling as business management risk
  - 3.2 Recycling Turns Waste into a Resource
  - 3.3 Benefits of Reuse
  - 3.4 What are the economic benefits on the recycling economy?
4. Develop an Environmental Training Programme
  - 4.1. Organic Waste – Types, Sources, and Uses
5. Supportive Policy Environment
6. Choosing Appropriate Technologies
7. What activities are performed by recycling businesses?
8. References