

## GUIDE FOR EDUCATOR:

### MODULE: “Resource Efficient and Cleaner Production”

#### Brief explanation of the module

Through the module “Resource Efficient and Cleaner Production (RECP)”, the basic types of knowledge get closer together: Getting to know the benefits due to a certain entity would decide on usage of the concept RECP, its methodology, basic elements, phases of implementation etc.

The module itself contains:

- Article;
- Introduction;
- Lesson plan;
- Powerpoint presentations through which the method of lecturing of the educators is simplified and illustrated with photographs, graphs, and similar;
- Videos - through which in an interactive way are presented the significant information for the given topic;
- Activities and tools intended for a school environment, training spaces, online platform environment as well; evaluation of each activity;
- Exercises as quizzes in regards to checking the engaged knowledge;
- Suggestion resources for further research.

#### Aim of the module

The goal of the module is to educate the youth in regards to the following points:

- ❖ Getting to know the term and use the resources correctly and cleaner producing;
- ❖ Reasons why the RECP concept can be evaluated as a self-help mechanism;
- ❖ Motivations and benefits for which a certain entity would decide to implement the RECP concept;
- ❖ Elements of the concept of Resource Efficient and Cleaner Production; phases and steps of implementation of the concept for RECP;
- ❖ Different key indicators of performance and tools of implementation of the RECP concept.

At the same time, through implementation of the activities within the module:

- ❖ Encouragement for the entrepreneurship spirit;
- ❖ Self-evaluation of daily habits related to impact to the environment;
- ❖ Encouragement of the research potential in youths, their evaluation for development of the concept of efficiency regarding resources and cleaner production in a certain company, through studies for the same;
- ❖ Building an image by establishing a social responsibility policy that will be publicly available emphasizing the application of Resource Efficient and Cleaner Production.

#### **General instructions:**

Educators, teachers can choose which resources they would like to share with the target groups of the offered curriculum. Presentations and videos can serve as an initial introduction to the topic.

However, if they want to realize an activity, the video and the presentation are incorporated in it, due to the simpler implementation and approach of the topic to the target groups.

That is why the module is divided into three sections:

- Introductory part (presentation and video);
- Activity details - If the "Introductory part" has been realized before, continue with the next step of the document "description of the activity";
- Exercise.

- ✓ The activities can be done as a team, but also will not be an obstacle to be realized individually.
- ✓ They can also be realized online and in physical conditions.
- ✓ The exercises are in the form of quizzes and in order to determine the acquired knowledge.
- ✓ The time frame given is indicative and depends on the way the educator works, the structure of the target group (prior knowledge, age, number of participants), the goal he wants to achieve and the like.
- ✓ It is desirable for the educator to have experience working with young people, as well as knowledge and skills related to topics such as: entrepreneurship, climate change, cleaner production, eco design etc.

#### **Details of the module: "title"**

##### **Lesson 1: Concept of Resource Efficient and Cleaner Production**

As an introduction, give a view and knowledge to students/ participants about: Concept of correct usage of Earth's resources (Resource Efficient), Term of a concept for historical review, what are the motivations and benefits for which a certain entity would decide to implement the RECP concept.

As part of the lesson, participants will be encouraged to make a self-evaluation for following the concept of 3Rs and preparing a monthly plan for this.

**Lesson 2: Methodology of the concept of more efficiency regarding resources and cleaner production**

Lesson 2 gives an overview about the phases of implementation of the concept for more efficiency regarding resources and cleaner production.

The goal of the activity (part of the module) is to encourage the research potential in youths, their evaluation for development of the concept of efficiency regarding resources

and cleaner production in a certain company, through studies for the same.

**Lesson 3: Key indicators of performance**

In this lesson, are covered the following topics:

Tools of implementation of the concept for more efficient and cleaner manufacturing regarding resources, suggestion-measures for implementation in accordance with the concept RECP, difference between absolute and relative key indicators.

The participants as part of the lesson work on building an image by establishing a social responsibility policy that will be publicly available emphasizing the application of Resource Efficient and Cleaner Production.

**Activities connected to the module (title)**

Activity 1 connected to lesson 1:

Self-evaluation for the concept 3Rs and monthly plan for household 3Rs

Activity 2 connected to lesson 2: Preparation of a case study for company/social enterprise that follow the RECP concept

Activity 3 connected to lesson 3: Preparation of social responsibility policy

**Exercises connected to the module (title)**

Exercise 1 connected to lesson 1: Quiz

Exercise 2 connected to lesson 2: Quiz

Exercise 3 connected to lesson 3: Quiz

**Target groups**

Youths between 15-29

Youth workers and volunteers working with youths looking for materials to work with them.

Teachers/educators

The modules can be realized by all the mentioned target groups and ages without restrictions, by proposing the most appropriate age category for the separate activities. For example:

- Activity 1 connected to lesson 1: Self-evaluation for the concept 3Rs and monthly plan for household 3Rs/Recommended age: 15-29
- Activity 2 connected to lesson 2: Preparation of a case study for company/social enterprise that follow the RECP concept/Recommended age: 17-24
- Activity 3 connected to lesson 3: Preparation of social responsibility policy/Recommended age: 17-29

### Tips and tricks (with solutions to exercises and activities)

- ✓ Use online tools as much as possible such as: jam board, Miro online board, google forms, creation of separate rooms for groups for online realization of the activities etc.
- ✓ Before implementation of activities, gain new knowledge and information about the topic in regard to suggested resources.
- ✓ Be good prepared, but don't forget your individuality and ways of teaching.
- ✓ Use polls to get viewpoints.
- ✓ Use more ice breaking activities (for online or physical conditions).
- ✓ Focus on Collaboration, communication, creative and critical thinking. These skills should be an integral part of teaching and learning to ensure highly effective teaching and to make learning more rigorous and relevant in the 21<sup>st</sup> century.
- ✓ Sharing your findings and best practices with others in the field.

### References with videos and other useful literature connected to the module

References and videos are available in description of the activities.



**Making Learning Fun  
and Ecological**

