

FOREST BASED BIOECONOMY

E-COURSE

<https://e-learning.irmo.hr/>

This E-course is a result of a strategic partnership supporting innovation within the project '**Innovative VET for key competences in the emerging field of forest bioeconomy (VET4BioECONOMY)**' between the following project partners: Croatian Forest Research Institute, Institute for Development and International Relations (IRMO), Slovenian Forestry Institute, Slovenia Forest Service, University of Natural Resources and Life Sciences (BOKU) and Austrian Research Centre for Forests (BFW).

Responsibility for the information, materials and views set out in this publication lies entirely with the authors and not with the Agency for Mobility and EU Programmes or European Commission.

This e-course is designed to provide basic knowledge on bioeconomy and forest based bioeconomy.

Through various graphic interactions, quizzes and texts, the participants will also acquire understanding of:

- **Cross-sectoral aspects of forest based bioeconomy**
- **Forest based value-chain concept, processes and links**
- **Political framework for forest based bioeconomy**
- **Entrepreneurship and business model development**

Entire e-learning content is translated into ENGLISH, CROATIAN, SLOVENIAN and GERMAN language.

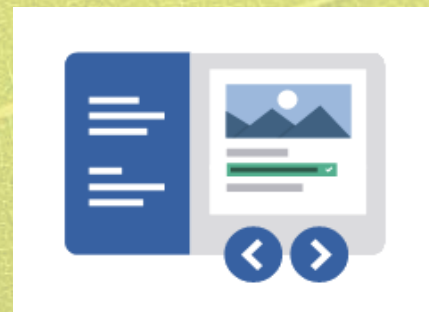
Because of rich graphic content and texts developed by forestry experts, the content is adapted for all understanding levels, from beginners to experts.



Interactive Videos



Presentations



Interactive Books



True / False Questions

Some examples of content formats in e-learning course.

SECTION CONTENT

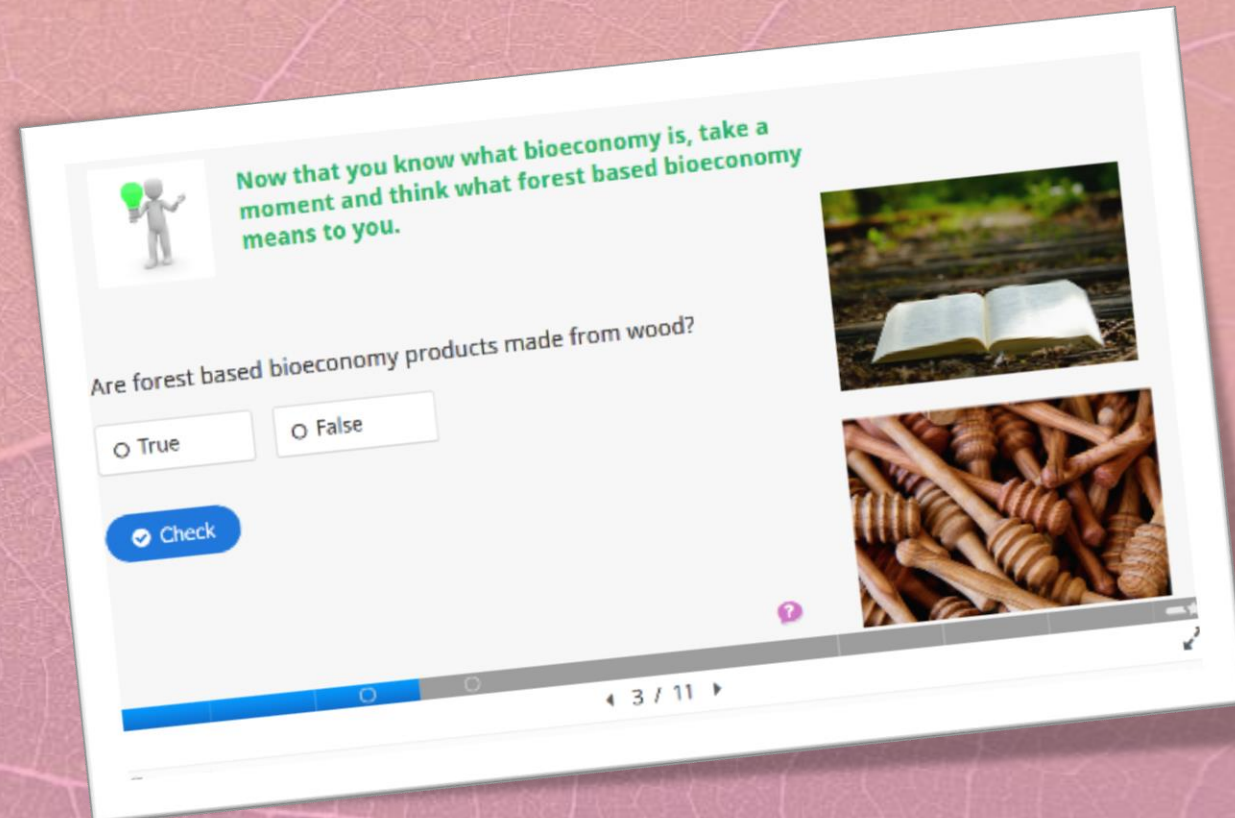
SECTION 1: INTRODUCTION TO FOREST BASED BIOECONOMY

In this section, we aim to provide the basic knowledge about the bioeconomy, forest based bioeconomy, and other related economies and terms.

1.1 Bioeconomy, circular economy and green economy

1.2 Forest based bioeconomy

CONTENT EXAMPLE



SECTION CONTENT

SECTION 2: FOREST-BASED VALUE CHAIN

This section provides an understanding of the forest-based value chain concept, processes, and links.

2.1 Forest-based value chain

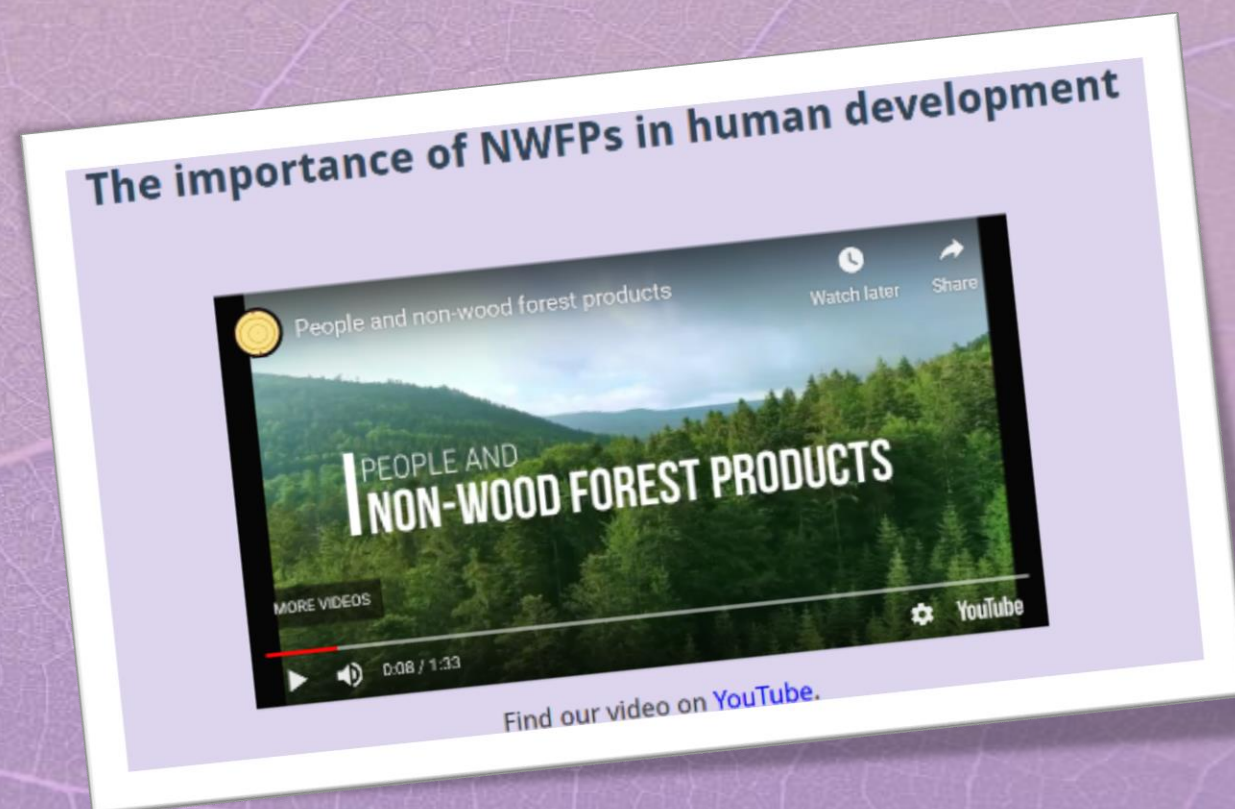
2.2 Products and resources in forest based value chain

2.3 Climate change and sustainable forest management in the forest based bioeconomy

2.4. Non-wood forest products

2.5. Cradle to Cradle

CONTENT EXAMPLE



SECTION CONTENT

SECTION 3: CROSS-SECTORAL ASPECTS OF FOREST BASED BIOECONOMY

The bioeconomy covers all sectors and systems that rely on biological resources (animals, plants, micro-organisms and derived biomass, including organic waste), their functions and principles.

3.1 Introduction to cross-sectoral aspects of forest based bioeconomy

3.2 Forest based bioeconomy in different sectors in Slovenia, Austria and Croatia

3.3 Opportunities for further development of bioeconomy in selected sectors

CONTENT EXAMPLE



SECTION CONTENT

SECTION 4: POLITICAL FRAMEWORK FOR FOREST BASED BIOECONOMY (FBB)

In this section, you will learn which EU sectoral strategies support forest based bioeconomy, which sectors are the most important and how they are involved in bioeconomy, how bioeconomy aspects are covered in forest based policies, as well to understand bioeconomy criteria and indicators and their relation to sustainable forest management criteria and indicator set.

4.1. EU Bioeconomy strategy and forest sectoral strategies and policies supporting the achievement of the individual objectives of bioeconomy

4.2. Example of Forest Based Bioeconomy strategies

4.3. Bioeconomy criteria and indicators

4.4. Perceptions of policy makers and other stakeholder groups about political framework

CONTENT EXAMPLE



SECTION CONTENT

SECTION 5: BOOSTING ENTREPRENEURSHIP AND INNOVATION

5.1. First: The Idea

5.2. Innovations in Forest Based Bioeconomy

**5.3. Creative techniques for solving a
problem**

5.4. Profitability analysis

CONTENT EXAMPLE



SECTION CONTENT

SECTION 6: BEST PRACTICE EXAMPLES

6.1 What Best practice means and how do we use it

6.2 Best practice examples from Austria, Slovenia and Croatia

CONTENT EXAMPLE



FINAL EXAM



Dear participants,

The final exam contains 15 questions. You will have 15 minutes to complete this final exam. It means you need to push a "Submit all and finish" button before the time expires in order to save your answers and submit results.

To pass an exam, 10 correct answers out of 15 are needed. You will have two attempts.

We wish you a success!

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