ERASMUS+ PROJECT STEPS
MSc in Sustainable Food Production Systems

WP 4 - *STEPS Development*

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WP 4 – Description (1)

- **The objective of the WP:** To develop and harmonize the content of the STEPS courses
  - Development under the two main pillars
    1. Food engineering, quality and safety
    2. Food production system management

- Courses will address food production, small-scale processing, quality, safety, sustainable management, industrial ecology of food productions systems, entrepreneurship in relation to rural development, etc.

- Educational material will be adapted to open-source LMS such as Moodle and/or similar ICT tools

WP 4 – Description (2)

- A critical factor of development of courses is their strong link with the development of infrastructure and specific type of laboratories

- LMS platform will be used to upload the educational material

- Monitoring of indicators (given in LFM – logical framework matrix)
  - Quality of the educational material developed
  - The number of courses designed
  - The level of courses linking with experiments and simulations

STEPS

WP 4 - *Three tasks*

1. Development of LMS (Learning Management System) platform

2. Development and harmonization of STEPS courses

3. Conversion and digitization of educational material

STEPS

WP 4 - Task 1: Development of LMS platform

- To upload and harmonize the educational material of the STEPS courses it will be used an LMS platform based on open source utilities

- LMS platform will offer the opportunity
  - to upload:
    - Videos and simply formed and interactive presentations,
  - To organize
    - Joint activities and projects
    - Questionnaires and quizzes,
    - Monitor the participation and performance of STEPS attendees

- High quality educational material will offer advanced knowledge on topics related to sustainable food production systems

- Focused activities and ICT-based modules will promote the development of soft skills, including problem solving, team-working, decision making etc.

STEPS

WP 4 – Task 2: Development and harmonization of STEPS courses

- **Scientific staff of partner countries HEIs**
  1. Will develop of the syllabus of the courses

- **EU HEIs staff**
  1. Will provide guidance and mentoring (mentors) including "hot" scientific topics
  2. Will cooperate with their colleagues in order to produce harmonized educational material

- **Staff involved in this task will participate in seminars and lectures and will be involved in experiments and simulations after installation of the modern equipment in partner countries HEIs**

WP 4 – Task 2: Development and harmonization of STEPS courses
Courses syllabus (1)

- Basic information about the course, such as course title and code, semester and ECTS units

- Professor/Instructor and teaching assistances contact information, including professor's name and title and web page address

- Description of course purpose and link with specific processes, problems and challenges

- Scientific topics, methods and approaches that will be analyzed to address processes, problems and challenges

- Course learning objectives and learning outcomes for each of the sections of the course and skills that are expected to be developed by students

- Schedule and course calendar including the details of the educational content that will be presented, activities that will be carried out, individual and/or team projects to be conducted

- Scheduled laboratory experiments and software simulations

- Educational material including presentations, videos, quizzes, questionnaires, projects, assignments

- Additional learning resources and literature

- Evaluation and grading criteria for assignments, projects and laboratory reports and the percentage of the various grades to the final grading of students etc.

WP 4 – Task 3: Conversion and digitization of educational material

- The content of educational material will need to be digitized in order to be upload in LMS platform

- Text will be harmonized

- Links will be used between key words, presentations

- Figures will need to be designed

- Project/activities will be presented by utilizing modernized interactive learning modules

- The digitization of the educational material will be subcontracted

WP 4 – Deliverable/results/outcomes (1)

1. LMS platform with open source utilities (plugins and customize tools) will be used to upload and harmonize the educational material of STEPS courses (15/09/2020)

2. Courses structure and content will developed according to the guidelines and ECTS units (15/10/2020)

3. Courses syllabus with necessary content will be developed (15/10/2020)

4. The educational material will be uploaded to the STEPS LMS platform (15/10/2020)

5. The content of STEPS programme course will be digitized in order to be uploaded in the LMS platform (15/10/2020)

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Thank you for your attention!

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Tirana, 19/03/2019