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WP2 -
STEPS structure and courses design

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Kick – off Meeting,
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- **Lead organisation - USAMVB (P9)**
- **Estimated Start Date - 15/4/2019**
- **Estimated End Date - 15/3/2020**
- **Participating Organisation - ALL**

Deliverables

- ***D2.1 - STEPS structure and courses***
- ***D2.2 - Selection of faculty staff and organisation of working groups***
- ***D2.3 - Study visit report***
- ***D2.4 - Design of STEPS courses***

D2.1 - STEPS structure and courses

- **Due date - 15/9/2019** in English

According to the **target groups** and the **needs analysis**, the scientific background and the experience of the partners, the **courses will be organized in two groups**:

- *Food engineering, quality and safety*

- *Food production systems management*

- The design and the development of courses will be distributed according to partner`s scientific background an experience.

- ***All partners will offer "core" courses among other will include:***

- Fundamentals of food production systems
- Law and policies on food production systems
- Agricultural economics
- Research methodologies and tools

- Two groups of elective courses will be delivered based on the two main pillars mentioned above:

- ***Group I. - Food engineering, quality and safety***

- Food engineering, quality and safety
- Advanced food science and technology
- Innovative harvest and post-harvest practices
- Energy design of processes and emissions control
- Food quality and safety

Scientific staff of AUT, UHZ, UNBI, USAMVB and ReadLab will design the courses related to food engineering, quality and safety.

- ***Group II. - Food production systems management***

- Agri-food marketing
- Industrial ecology and circular economy in agriculture
- Planning and administration of rural communities development
- Sustainable supply chain management
- Innovation and entrepreneurship for sustainable food systems.

Scientific staff of UET, UHZ, UC, UNSA, CULS, TEISTE and ReadLab will design the courses related to Food production systems management.

D2.2 - Selection of faculty staff and organisation of working groups

- **Due date - 15/9/2019 in English**

- A list of the names and contact information of the scientific staff organised in working groups, according to their scientific background and the STEPS courses they will design (task 2.4).

- The working groups will be comprised by scientific staff participating also in seminars/lectures (task 3.1, 3.2) and involved in the development of research labs and the experiments and simulations after the installation of the modern equipment in partner countries HEIs (tasks 5.2, 5.3).

D2.2 - Selection of faculty staff and organisation of working groups

- **Due date - 15/9/2019 in English**

- Scientific staff of **AUT, UHZ and UNBI, USAMVB and ReadLab** will collaborate in the design of *Food engineering, quality and safety related courses*.
- Scientific staff of UET, UHZ and UNSA, CULS, TEISTE and ReadLab will collaborate in the design of *Food production system management related courses*.

D2.3 - Study visit report

- **Due date - 15/6/2019** in English
- Managers and scientific staff (3 persons per partner) will participate in the three-day visit to the infrastructures of USAMVB in June 2019.
- The efficiency of the study visit will be evaluated based on indicators included in the Logical Framework Matrix and additional ones which **will be included** in the **Quality Plan report** (**D8.1**).
- Those include the number of seminars/lectures, the number of participants, the level of expectations achieved by both “teachers” and “learners” etc. Results will be included in a **report** (**D8.2**), analysed by the QT and reviewed by MT.
- **The event will be disseminated by newsletters, publicly available reports (downloaded from the web site)** etc.

D2.3 - Study visit report

- **Due date** **- 15/6/2019** in English
- Managers and scientific staff (3 persons per partner) will participate in the three-day visit to the infrastructures of USAMVB in June 2019.
- A critical task will be to compare educational strategies and practices, exchange ideas about technological advancement and ….
- ….**to develop new contacts and explore opportunities of cooperation**.
- The main task will be to identify and record how interrelated scientific topics can be combinated in the structure of educational programmes and…
- ….how the inter-institutional collaboration can improve the quality of the educational programme.

Study visit in Bucharest

- **T W T F Sa**
- **(4) 5 6 7 (8) of June 2019**
- Travel day / Working days / Travel day

- International Scientific Conference – 6-7 June 2019
  (Main Building of the University)

- Visiting host institution capacities

- Otopeni “Henri Coanda” Airport

- By taxi or by bus (no.783) 30 minutes –> Triumph Arch Station – 100 m to

  <u>Euro Hotel</u>

- From the Hotel to USAMVB – 350 m walking – 10-15 minutes (residential area)

D2.4 - Design of STEPS courses

- **Due date - 15/3/2020 – in English, Albanian and Bosnian**

- The report will first provide the list of the courses which will be developed under the two groups analysed in D2.1.
- Descriptions of the MSc programme courses will be provided along with the key scientific topics addressed.

- *Courses design* will provide **guidelines for the development of the educational material** and the **incorporation of ICT-based tools**, in order to combine traditional teaching with student-centered and blended learning approaches.

- *ECTS credits* will be assigned to courses, in accordance with the estimated work load in terms of formal lectures, laboratory activities, projects and reports to be delivered by students, additional individual or team-based activities etc.

- MESCS USK will provide guidelines in order to ensure that the courses of the MSc programme are designed in accordance to the requirements of the educational systems of partner countries.

D2.1 - STEPS structure and courses

- **Professional Master Course**

2 years of study – 4 semesters – 120 credits

Semester I – 30 credits – Core curses
Semester II – 30 credits – Elective courses
Semester III – 30 credits – Elective course
Semester IV – 30 credits – Work (project) for Final examination (?)

1 semester – 14 (16) weeks of courses + 2-3 weeks of exams

12-16 hours/week – “Face to face” activities – Lectures, Seminars
14-18 hours/week – individual/team work (IT lab.; quality control lab.; library)
- case studies
- visits in farms, storage/processing enterprises

- Classic and blended education and training system
  - Digital and on-line educational resources

D2.4 - Design of STEPS courses

- **Necessary information to be used for the development of**
- **the educational content:**

- Course unit title
- **Type of course (compulsory or optional)**
- Semester of delivery
- **Number of ECTS credits**
- Course description and link with the problems and needs that it intends to address
- **Scientific topics, methods and approaches that will be analyzed in relation to the specific problems and needs**
- High-level learning outcomes
- **Course contents and proposed sections**
- Teaching methods and learning activities proposed, including laboratory experiments and software simulations
- **Proposed evaluation methods and grading criteria**

USAMVB Role in STEPS Project

- *USAMVB will*:

- Report the needs (in terms of education) of Western Balkans according to reports, documents and forecasts of the EU and other European/International organisations, analyse relevant MSc programmes at EU and international level and review best practices.
- Lead the design of the STEPS programme (WP2 leader) and courses that address organic production, agro-ecology and harmonization with quality standards.
- Provide assistance regarding the organization of training seminar and guest lectures.
- Provide assistance to partner countries regarding the implementation of STEPS programme.
- Contribute to the evaluation of project outputs and outcomes.
- Participate in projects workshops.

Thank you for your attention!