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Sarajevo, Bosnia and Herzegovina

Erasmus +

STEPS

**Cooperation for innovation and the exchange of good practices
Capacity Building in the Field of Higher Education**

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STEPS WP 4

Activities and results



What is (was) STEPS WP 4

- **WP 4 of the STEPS project – titled simply as "STEPS development"**
- **The general objective of WP 4 was / is "... to develop and harmonize the content of STEPS courses"**
- **The goal or goals of this work package should be achieved by implementing tasks articulated and elaborated by:**
 - **Deliverable 4.1 – Development of LMS platform;**
 - **Deliverable 4.2 – Development and harmonization of STEPS courses;**
and
 - **Deliverable – 4.3 Conversion and digitization of educational material**

- **Produced** and distributed (STEPS on Google cloud) by **ReadLab P.C.**
 - **4.1 – Development of the LMS Platform** (28 pages; 15/07/2019)
- **Produced** and distributed (STEPS on Google Cloud) by **UNSA**
 - **4.2a – Development and harmonization of STEPS courses** (207 pages; 03/02/2021)
 - **4.2b – Digitization of STEPS Courses** (33 pages; 13/02/2021)
 - **4.2 – Development and harmonization of STEPS courses** (378 pages; 18/02/2022)
 - **4.3 – Conversion and digitization of educational material** (41 pages; 13/02/2021)

Del. 4.1 – Development of the LMS Platform

Compulsory deliverable
(28 st. pages)
Delivered – STEPS Cloud

Project Acronym:	STEPS
Project full title:	MSc in Sustainable Food Production Systems
Project No:	598963-EPP-1-2018-1-AL-EPPKA2-CBHE-JP
Funding Scheme:	Erasmus+ KA2 Capacity Building in the field of Higher Education
Coordinator:	AUT
Work Package:	WP 4– Steps Development
WP Leader:	UNSA
Task:	<u>4.1 – Development of the LMS Platform</u>
Task Leader:	ReadLab
Last Version date:	15. 07. 2019.
Author(s):	Petros Chondros, Alexandros Vouros
Status:	Final
Dissemination Level:	Public

4.2a – Development and harmonization of STEPS courses

Auxiliary deliverable
(207 st. pages)
Delivered – STEPS Cloud

Project Acronym:	STEPS
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Funding Scheme:	Erasmus+ KA2 Capacity Building in the field of Higher Education
Coordinator:	AUT
Work Package:	WP 4 – Steps Development
WP Leader:	UNSA
Task:	4.2a – Development and harmonization of STEPS courses
Task Leader:	UNSA
Last Version date:	03. 02. 2021.
Author(s):	Milenko Blesić, Sabahudin Bajramović
Status:	Final
Dissemination Level:	Public

4.2b – Digitization of STEPS Courses

Auxiliary deliverable
(33 st. pages)
Delivered – STEPS Cloud

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Funding Scheme:	Erasmus+ KA2 Capacity Building in the field of Higher Education
Coordinator:	AUT
Work Package:	WP 4 – Steps Development
WP Leader:	UNSA
Task:	4.2b – Digitization of STEPS Courses
Task Leader:	UNSA
Last Version date:	13. 02. 2022.
Author(s):	Milenko Blesić, Sabahudin Bajramović
Status:	Final
Dissemination Level:	Public

4.2 – Development and harmonization of STEPS courses

Compulsory deliverable
(378 st. pages)
Delivered – STEPS Cloud

Project Acronym:	STEPS
Project full title:	MSc in Sustainable Food Production Systems
Project No:	598963-EPP-1-2018-1-AL-EPPKA2-CBHE-JP
Funding Scheme:	Erasmus+ KA2 Capacity Building in the field of Higher Education
Coordinator:	AUT
Work Package:	WP 4 – Steps Development
WP Leader:	UNSA
Task:	<u>4.2 – Development and harmonization of STEPS courses</u>
Task Leader:	UNSA
Last Version date:	18. 02. 2022.
Author(s):	Milenko Blesić, Sabahudin Bajramović
Status:	Final
Dissemination Level:	Public

4.3 – Conversion and digitization of educational material

Auxiliary deliverable
(41 st. pages)
Delivered – STEPS Cloud

Project Acronym:	STEPS
Project full title:	MSc in Sustainable Food Production Systems
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Funding Scheme:	Erasmus+ KA2 Capacity Building in the field of Higher Education
Coordinator:	AUT
Work Package:	WP 4 – Steps Development
WP Leader:	UNSA
Task:	4.3 – Conversion and digitization of educational material
Task Leader:	UNSA
Last Version date:	13. 02. 2022.
Author(s):	Milenko Blesić, Sabahudin Bajramović
Status:	Final
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- Overview of possible solutions for the **STEPS LMS platform**
- Deliverable 4.1 promoted the development of the STEPS LMS platform based on **Open edX[®]** resources
- **Agreed by all STEPS project partners**
 - **Open edX[®]** resources – primarily **OER** (open educational resources) and **MOOC** (massive open online course) platform – flexible enough to be used as STEPS LMS platform (semi-closed approach)
- **Maintenance** of the STEPS LMS (Open edX[®]) platform during and after completion of the STEPS project – **transferred to a subcontractor** – platform maintenance (Tirana, Albania)

- **Deliverable 4.2a – Development and harmonization of STEPS courses**
 - An overview of the **situation with regard to initially created / uncreated courses** planned by the HEIs partner through their STEPS curricula
 - Also, highlighted the **proposals** for the **harmonization** of STEPS courses or mutual harmonization of STEPS study programs
 - Also, some general **instructions for the development** of initially created **STEPS courses** according to the so-called **VLE Storyboard** principles

- **Deliverable 4.2b – Digitization of STEPS Courses**
 - **Further inputs for the development of STEPS courses in a digital dimension**
- **Deliverable 4.3 – Conversion and digitization of educational material**
 - **Instructions and recommendations for creating courses and their (digitalized) contents adapted to implementation through the LMS platform**




- **Deliverable 4.2 – Development and harmonization of STEPS courses**
 - **Catalog of developed STEPS courses**
 - (Final) Syllabi:
 - **20 AUT & EUT STEPS courses**
 - **29 UHZ & UC STEPS courses**
 - **16 UNBI STEPS courses**
 - **26 UNSA STEPS courses**
- 91 STEPS courses**
- **Evaluation of the harmonization of STEPS courses developed at different HEIs**



- **Evaluation of the harmonization of STEPS courses developed at different HEIs**
 - Evaluation of the harmonization of courses according to two parameters: defined learning outcomes and course content
- **(Six) compulsory courses** (at all STEPS study programs)
 - 4 courses: harmonized over 80%
 - 1 course: harmonized 60 – 80%,
 - 1 course: harmonized 20 – 40%

Level of harmonization: ~77%
- **General level of harmonization of all courses** which could be compared (the same or comparable title) – high to very high ~71%

- **STEPS LMS Open edX®** – run and maintained in Tirana
- **Communication channels** (Tirana ↔ STEPS partner HEIs) – established
- **Administrators** at partner HEIs – appointed
- **Accessibility** (instructors, students) – **available** (at the request of the HEI administrator)
- It is now up to the **course instructors**
 - To **fill the contents** of their courses with (digitalized) teaching materials
 - To **manage their courses**
- It is now up to the students
 - To **use the resources** of courses created for LMS
 - To criticize and suggest **improvements** to STEPS LMS courses

- **All in all re. WP 4**
- **Deliverable 4.1 – STPS LMS Open edX[®] Platform – Established** 
- **Deliverable 4.2 – Development and harmonization of STEPS courses – Completed** 
- **Deliverable 4.3 – Digitization of educational materials – Ongoing** 

Thank you for your attention !!!

