



ERASMUS+ PROJECT STEPS MSc in Sustainable Food Production Systems

WP4 – STEPS development Discussion:

STEPS WP4





What was the STEPS WP2?

- WP2 STEPS structure and courses design
- Del. 2.1 Design of the MSc programme
- Del. 2.2 Selection of faculty staff and organisation of working groups
- Del. 2.3 Organization of study visit
- Del. 2.4 Design of the MSc programme courses

WP2 – Curriculum development???



STEPS program(s) courses

- WP2 outcomes
- 6 HEIs in 3 PCs
 - 5 MSc/MA study programs (AUT & EUT joint program?)
 - 5 HEIs 2 years (120 ECTS) MSc/MA study program + 1 HEI (UNBI) 1 year study program (60 ECTS)
- Simple addition (all courses of all programs of all HEIs) = 106 courses = 106 syllabi
- Program core courses 1st semester; 6 courses at all HEIs (AUT & EUT?)
 - More or less the same course titles
- Courses' syllabi some finished/published, some not yet ???
 - Among the finished/published courses different approaches (and content), even different ECTS loading, but mostly comparable basic learning outcomes ...



ERASMUS+ PROJECT STEPS MSc in Sustainable Food Production Systems



STEPS program(s) – Courses

- Besides 6 core courses, 32
 (elective) courses, at the level of
 the (at least comparable) course
 titles, without insight into
 courses' contents
- Among 32 elective courses:
 - 3 courses at all HEIs
 - 3 courses at 5 HEIs
 - 4 course at 4 HEIs
 - 7 courses at 3 HEIs
 - 6 courses at 2 HEIs
 - 9 courses at 1 HEI

Course Type AUT EUT UC UNBI UNIX UNSA Advanced Food Science and Technology Agricultural and Food Industry Waste Management CO Food Ethics CC Fundamentals of Agri-Food Production Systems CC Governance, Policy and Legislation in the Agri-Food Sector Research Methodologies and Tools Harvesting and Post-Harvesting Technologies for Agricultural Products CONSUMER Science and Sustainable Consumption Innovation and Entrepreneurship for Sustainable Food Production Systems Sustainable Food Value Chain Management ENvironmental Chemistry towards Food Processing Quality System Development, Management and Shelf Life Assessment of Food Traceability systems of food products Sustainable Ecology for Fish Management and Conservation EUS Sustainable Ecology for Fish Management and Conservation EUS Sustainable Econology of Dairy Products EUS Sustainable Economics and International Trade in the Agri-Food Sector EB Last Analysis and Decision-making Innovative Product Development Management of Sustainable Food Supply Chain Management of Sustainable Food Supply Chain Management of Sustainable Food Supply Chain Management EB Sustainable Econology of Fruit and Vegetable Processing Products EUS Sustainable Technology of Fruit and Vegetable Processing Products EUS Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Fruit and Vegetable Processing Products ES Sustainable Technology of Weith Production ES Sustainable Produc								
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Sustainable Plant Production E	Rural Development	E						
	Sustainable Animal Production	E						
Waste and recycling technologies in agriculture E	Sustainable Plant Production	E						
	Waste and recycling technologies in agriculture	E						





All universities

Course	Typo	University								
Course	Type	AUT	EUT	UC	UNBI	UNHZ	UNSA			
Advanced Food Science and Technology	С									
Agricultural and Food Industry Waste Management	С									
Food Ethics	С									
Fundamentals of Agri-Food Production Systems	С									
Governance, Policy and Legislation in the Agri-Food Sector	С									
Research Methodologies and Tools	С									
Harvesting and Post-Harvesting Technologies for Agricultural Products	E									
Marketing of Sustainable Agri-Food Products	E									
Total Quality Management in the Agri-Food Sector	E									





5 universities

Course	Type			Unive	ersity		
	Type	AUT	EUT	UC	UNBI	UNHZ	UNSA
Consumer Science and Sustainable Consumption	Е						
Innovation and Entrepreneurship for Sustainable Food Production Systems	Е						
Sustainable Food Value Chain Management	Ε						

4 universities

Course	Typo			ersity	У		
Course	Type E E	AUT	EUT	UC	UNBI	UNHZ	UNSA
Environmental Chemistry towards Food Processing	E						
Quality System Development, Management and Shelf Life Assessment of Food	E						
Traceability systems of food products	E						
Sustainable Ecology for Fish Management and Conservation	E						





3 universities

Course	Туре	University							
Course	Type	AUT	EUT	UC	UNBI	UNHZ	UNSA		
Sustainable Technology of Dairy Products	E								
Sustainable Technology of Meat Products	E								
Business Economics and International Trade in the Agri-Food Sector	E								
Data Analysis and Decision-making	E								
Innovative Product Development	E								
Management of Sustainable Food Supply Chain	E								
Quality and Sustainability of Animal-source Food Production	E								





2 universities

Course	Type			Unive	versity				
Course	Туре	AUT	EUT	UC	UNBI	UNHZ	UNSA		
Low Input Agriculture	E								
Nutritionism	E								
Sustainable Land Management	E								
Sustainable Technology of Bakery Products	E								
Sustainable Technology of Fruit and Vegetable Processing Products	Е								
Sustainable Technology of Wine, Beer and Spirits	E								



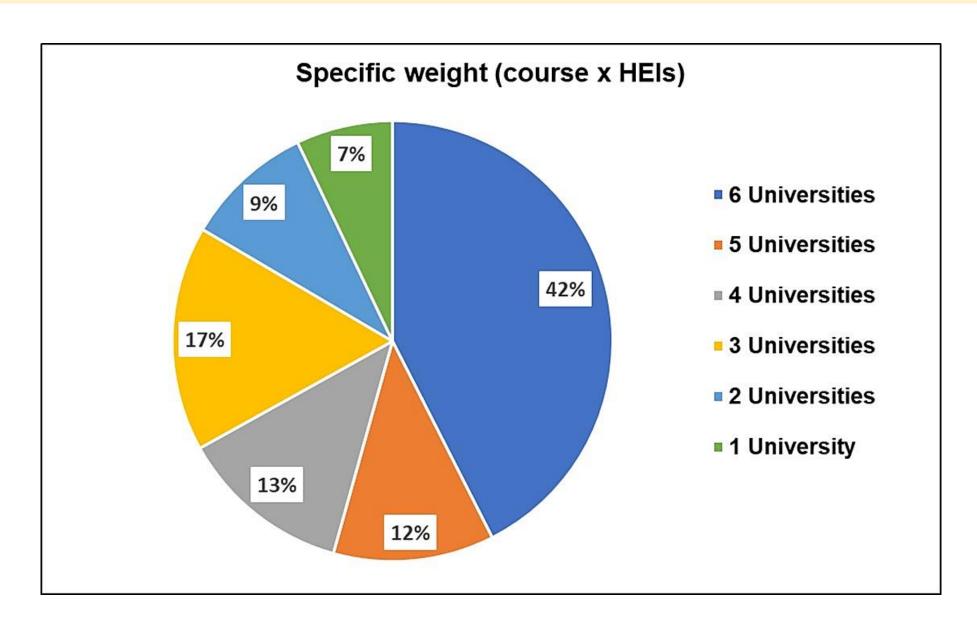


1 university

Course	Type		University						
Course	Туре	AUT	EUT	UC	UNBI	UNHZ	UNSA		
Agri-food Economics	Е								
Animal Food Technology Science	Е								
Packaging Technology	E								
Project Cycle Management	E								
Quality and Sustainability of Plant-source Food Production	E								
Rural Development	Е								
Sustainable Animal Production	E								
Sustainable Plant Production	E								
Waste and recycling technologies in agriculture	E								











What is the WP4? – STEPS development – Deliverables

- Del. 4.1 Development of LMS platform

 ✓ Completed (ReadLab)
 - LMS platform Open edX® transferred to a subcontractor platform maintenance (Albania)
- Del. 4.2 Development and harmonization of STEPS courses
 - UNSA
 - Due date: <u>15/10/2020</u>
- Del. 4.3 Conversion and digitisation of educational material
 - subcontract?
 - Due date: <u>15/10/2020</u>





- What do development and harmonization of STEPS courses exactly mean?
- Development and harmonization in the context of WP4 and WP2 deliverables:

harmonized development of STEPS courses' materials for their placement on the Open edX® ???

Confirmation needed





- If it is so...
- UNSA (WP4 D.4.2 Lead Organization) to prepare and distribute to all HEIs in all PCs:
 - A <u>template</u> for transferring syllabuses of all courses into a formalized structure (the form + requested contents) that can be easily transferred on the LMS platform – <u>VLE Storyboard</u> <u>Template</u>
 - Two-section template:
 - Course about section
 - Corse content (+ implementation + resources + ...) section VLE Storyboard





- If it is so...
- Precondition: all syllabi (WP2) at all HEIs produced
- UNSA needs D.4.2 coordinators from each HEI (STEPS project coordinators?)
- Distribution of the WP4 D.4.2 Template (UNSA → HEI coordinators → course instructors)
- Collection of developed STEPS courses:
 - Course instructor → HEI coordinator → UNSA → Open edX
 - Course instructor → UNSA → Open edX
 - Course instructor → Open edX (preferable)





- If Course instructor → Open edX scheme ...
 - All course instructors access to Open edX
 - Course development by the D.4.2 Template + Open edX Studio (with edX Manual: "Building and Running an edX Course")
 - Deadlines:
 - WP4 Del. 4.2 (UNSA) ??? 15/01/2021
 - Del. 4.2 Template distributed ??? 31/01/2021
 - All STEPS courses placed on the Open edX ???





- Open edX courses questions, dilemmas:
 - In the context of the approaches promoted by Del. 4.1 OER (open educational resources) and MOOC (massive open online course) – would the STEPS courses be publicly available?
 - STEPS (programs) and courses closed, semi-closed or open?
 - Open edX as a basic or accessory (repository) tool?
 - All PC HEIs primarily in class/in laboratory education/training (okay, Covid-19 changed somethings, but ...)
 - Maintenance of the STEPS LMS (Open edX) platform after completion of the STEPS project?
- Digitization ??? What is the plan?

 Sorry for having many questions but not enough answers ...

Discussion