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EduEnvi project realization and experiences in Erasmus+ Capacity Building

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Presentation content

EduEnvi project implementation

Achievements and impacts of the project

EduEnvi

Enhancing Competences of Sustainable Waste Management in Russian and Kazakh HEIs

Aims and Objectives:

- To modernize, improve the accessibility and to internationalize the higher education in Physical sciences and Environmental protection in Kazakhstan and Russia by building the capacity of the local academic staff
 - 1) in sustainable waste management and
 - 2) in the latest European pedagogical approaches.
- To build eight online learning modules on sustainable waste management (each university will build one-two modules of 6-9 ECTS)

EduEnvi partners

- Al-Farabi Kazakh National University
- Sh.Ualikhanov Kokshetau State University
- M. Auezov South-Kazakhstan State university
- Ministry of Education and Science, Kazakhstan
- ITMO University
- Ural Federal University
- Tyumen State University
- Tampere University of Applied Sciences, Finland (Coordinator)
- UCL University College, Denmark
- Universidad de Valladolid, Spain



Erasmus+ Capacity Building for Higher Education

The action:

- aims to support the modernization, accessibility and internationalization of higher education in the Partner Countries.
- contributes to the development of sustainable and inclusive socio-economic growth in Partner Countries.

Transnational cooperation projects base on multilateral partnerships, primarily between higher education institutions (HEIs) from Programme and Partner Countries.

Through structured cooperation, exchange of experience and good practices and individual mobility, CB Projects aim to:

- improve the quality of higher education and enhance its relevance for the labour market and society;
- improve the level of competences and skills in HEIs by developing new and innovative education programmes;
- enhance the management, governance and innovation capacities, as well as the internationalization of HEIs;
- increase the capacities of national authorities to modernize their higher education systems



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Timeline

EduEnvi CBHE

Curriculum design and accreditation

01/2018-06/2020



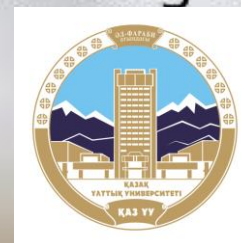
ITMO UNIVERSITY

UvA

Sustainable waste management curriculum content planning

Piloting new learning modules

09/2019-01/2020



University College

Learning innovation and entrepreneurship through university - industry cooperation

e-Learning pedagogies and tools teacher training



Tampere University
of Applied Sciences

15.10.2017
Erasmus+
CBHE funding

Kick off meeting
01/2018

Industry experts
workshop and policy meeting
04.10.18

Workshop on curriculum design &
Quality Framework
04.10.18

Curriculum content planning
workshop 04.10.18

Workshop on
e-learning pedagogies & tools
10/2018

Building an online-based learning
innovation ecosystem
10/2018

1st project management meeting &
Curriculum planning workshop
01/19

Deliberate evaluation workshop
04.19

Curriculum planning
workshop 05/19

Quality
Workshop
05/19



AUEZOV
UNIVERSITY
1943

2nd curriculum content meeting
04.10.19

Deliberate evaluation workshop
04.10.19

Final Conference
05/2020

End of the project
30.10.2020

01/18

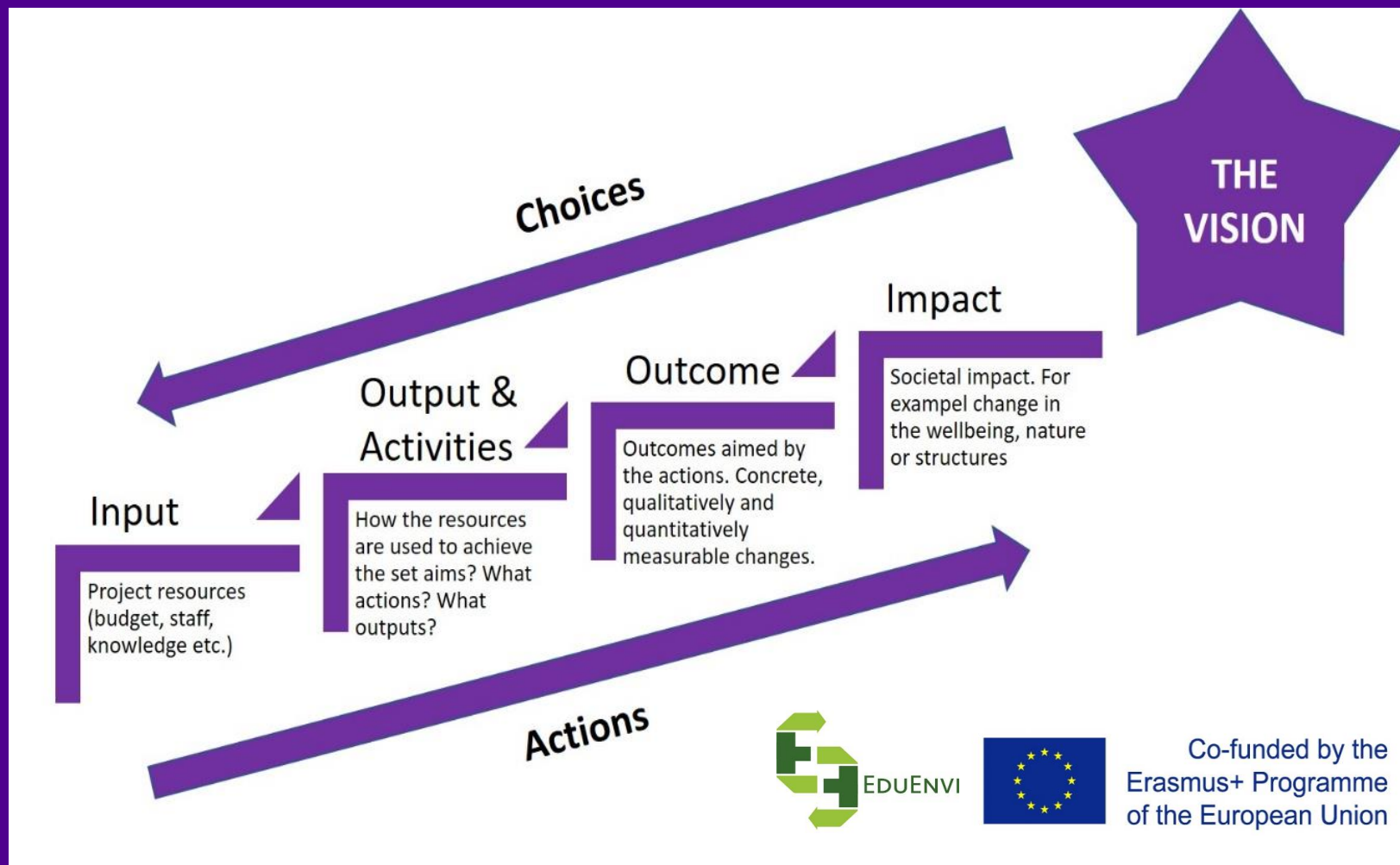
01/19

01/20

10/20

Input-output-outcome-impact IOOI Chain

- Steps towards future oriented project work
- In every project it is important to make reflection around the impacts and this way contribute to future development
- Framework helps to illustrate what kind of resources, outputs and activities and concrete changes are required to achieve the impact, i.e. the ultimate goal of the project.



8 Modules, 60 ECTS

Moudule#	Name	Responsible University
Module 1	Comprehensive risk assessment in waste management	KokSU
Module 2	Biotechnologies for waste utilization	SKSU
Module 3	Non-energy technologies for waste utilization	KazNU
Module 4	Energy technologies for waste utilization	KazNu
Module 5	Development of business and entrepreneurship for sustainable waste management	ITMO
Module 6	Public administration and municipal governance in Sustainable Waste Management	UrFU
Module 7	Environmental management and waste prevention	ITMO
Module 8	Life cycle assessment and life cycle costing	Tyumen

Impacts recognised by the teachers

Interviewing the teachers

Interviews organized on March 2020 with HEI staff who have participated in the course development in EduEnvi.

All together five interviews in which 20 HEI staff participated from Kazakhstan and Russia.

Questions 2 and 3 are used to clarify the project impacts.

The questions that were discussed in the interviews:

1. How do you find the feedback received from the pilots regarding the course(s) you have developed? How does it help you develop the courses?
2. How do you feel your capacity in online pedagogy is improved personally? What about the capacity of your university as higher education institution?
3. What have you learnt about the subject (sustainable waste management)?
4. What are your next concrete tasks regarding to EduEnvi project?



Findings compactly 1



➤ **Increasing Student Orientation in education:** Shifting emphasis from teaching to learning

➤ **Professional Capacity Building while developing online courses:** Gaining deeper knowledge on SWM substance and on how to design pedagogically high-quality online course

“learning by doing”

Findings Compactly 2



- **Raising University level questions:** The technology and processes for producing online courses in universities should be functional. Raising this kind of results will contribute to further development.
- **Sustainable Waste Management** introduced and developed to be a part of the academic programme: development of contents

Findings Compactly 3



- **Acting with a very current topic:** The competitiveness of the partner universities is increasing by development of master level online courses in the field of SWM.
- **Impact on waste management policies** regional level waste
- **Promoting environmental education more generally** in universities and nationally
- **Promoting a shift towards Circular Economy**



Thank you for your attention!

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