Innovative Postgraduate Education in The Field of Environment Protection: Methods and Tools



Dr. Lilit Sahakyan CENS and ISEC

5 October 2022

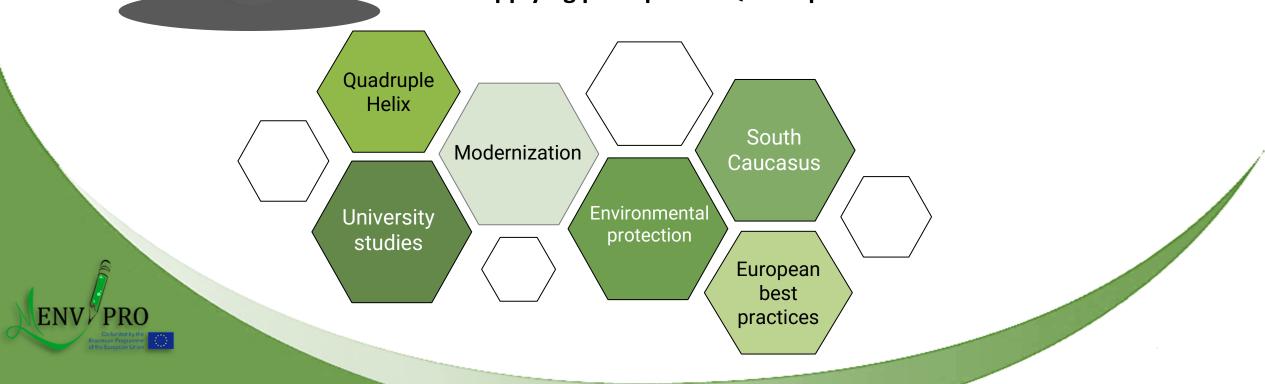


ENV

MENVIPRO: Modernization of Environment Protection Studies Programmes for Armenia and Georgia

Aim of the project

to facilitate the modernization of the University studies in the field of Environment Protection in the Region of South Caucasus by transferring European best practices and applying principles of Quadruple Helix.



MENVIPRO PARTNERS





WHY CENS AND ME?

CENS Director

Head of ISEC department

lecturer of ISEC department

Dr. Lilit Sahakyan

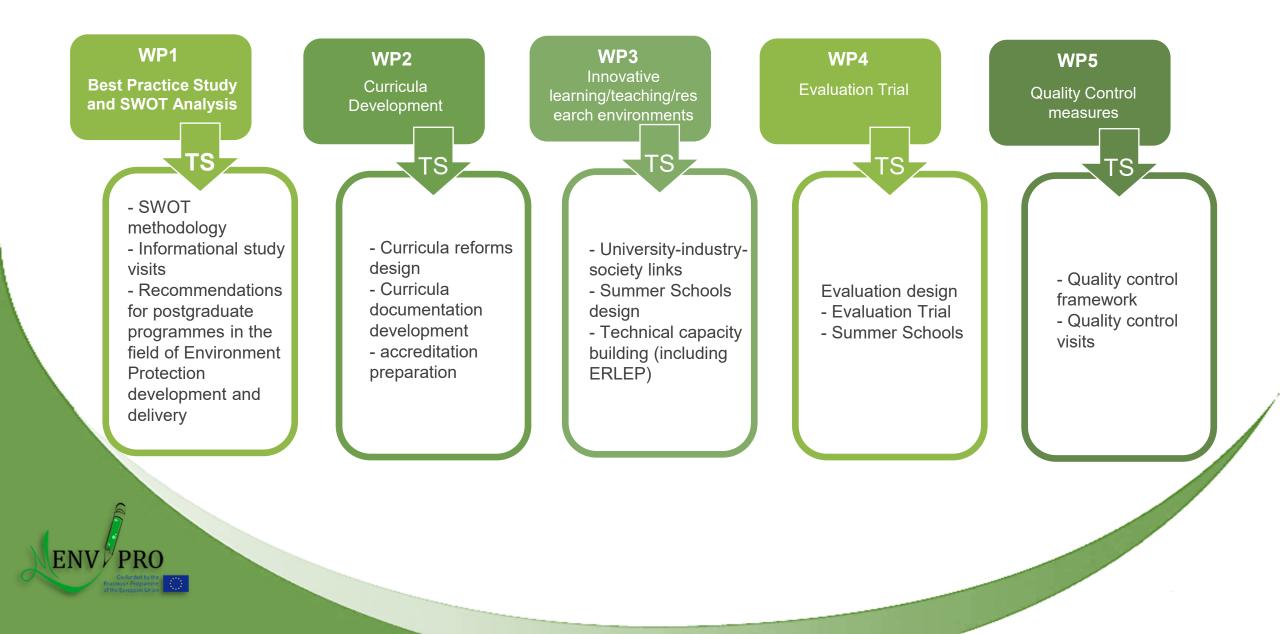
MENVIPRO Local Coordinator from CENS

A transmission

CENS Founder Prof. Armen Saghatelyan

Center for the Ecological-Noosphere Studies of National Academy of Sciences of Armenia (CENS) was founded in 1993.It is a research and education center, engaged in fundamental and applied studies in ecology, environment, agriculture and food safety.

WP & TASKS





MENVIPRO

Modernization of Environment Protection Studies Programmes for Armenia and Georgia (598232-EPP-1-2018-1-IT-EPPKA2-CBHE-JP)

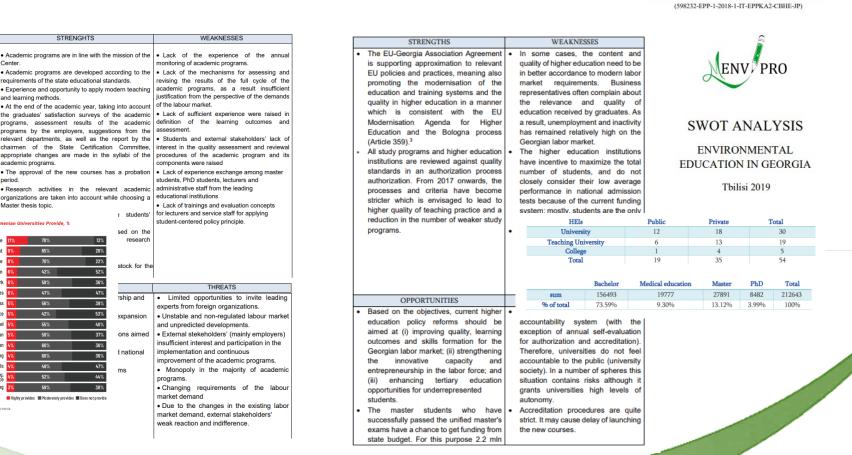


SWOT ANALYSIS ENVIRONMENTAL EDUCATION IN ARMENIA

Yerevan 2019

Graph 2: Types of Skills that Armo	nian Univers	ities Provide, %	
To Troubleshooting and user experience	17%	70%	13'
Coordination and time management	9%	65%	26
Creativity, originality and initiative	8%	70 %	22'
Manual dexterity, endurance and precision	6%	42%	52'
Team work	6%	58%	36
Active learning and learning strategies	6%	47%	47
Attention to detail, trustworthiness	5%	56%	39'
Leadership and social influence	5%	42%	53'
Management of personnel	5%	55%	40'
Persuasion and negotiation	5%	58%	37
Analytical thinking and innovation	<mark>4%</mark>	60%	36
Complex problem-solving	4%	60%	36'
Communication skills	<mark>4%</mark>	49%	47
Technology design, programming, installation, maintenance	4%	52%	44
Reading, writing, math and active listening	3%	59%	38'
	Highly provides	Moderately provide	es 🔳 Does not prov

Best Practice Study and SWOT Analysis Armenia and Georgia



Co-funded by the Erasmus+ Programme of the European Union

MENVIPRO

Modernization of Environment Protection Studies Programmes for Armenia and Georgia (598232-EPP-1-2018-1-IT-EPPKA2-CBHE-JP)

Curricula Development

CENS & ISEC

- 8 modernized curricula
 4 new developed
- Comparative analyses was done with 5 EU universities including not partners of MENVIPRO
- -National accreditation preparation and passing with new syllabus
- All 12 Curricula were renewed according the modernized ones
- 4 New curriculum was designed and prepared according national quality requirements

ENV^V**PRO**



- 4 new developed curricula
- Comparative analyses was done with 1 EU universities including not partners of MENVIPRO
- -National accreditation preparation and passing with new syllabus
- All 4 Curricula were renewed according the modernized ones
- 4 New curriculum was designed and prepared according national quality requirements

developed/mode	
curricula	ernized
 National accredi 	itation
preparation and	
passing with ne	W
syllabus All 3 Curricula w	loro
renewed accord	
modernized one	-
> 3 New curricului	m was
designed and pr	· ·
according nation	
quality requirem	ients

Innovative learning/teaching/research environments



- ✓ Practices of CENS/ISEC and ANAU students since 2020
 ✓ Cognitive v of more than 80
- pupil from 10 Yerevan Schools
- ✓ 2 scientific articles on ERLEP Laboratory
- ✓ 2 visits for ERLEP infrostructure quality control
- ✓ Dr. Andrey Garence
- ✓ Dr. Angela Fatorettu
- ✓ ERLEP Laboratory Involvement in all 12 Course Curricula
- ✓ 2 Project based education realisation using ERLEP infrostructure

Room for online classes and meetings

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ERLEP-Education and Research Laboratory for Environment Protection in the bases of CENS

Project based education development, testing and implementation



2021-2023 MSc students



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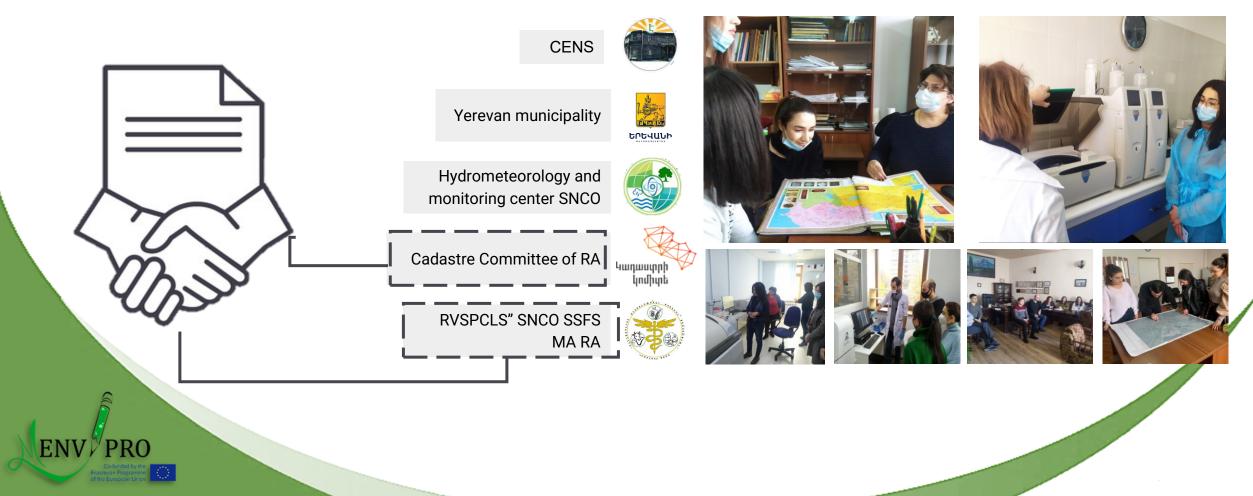


2020-2022 MSc students

Quadruple Helix

2 Signed agreements with Labor Market

5 Manufacturing practices of 2019-2022 MSc students



VISITS and working meetings



"Environmental Science Education for Sustainable Human Health" 2 Summer schools

"Sustainable and Innovative Approaches to Environmental Security"



- ✓ Articles in Local & international media
- ✓ More then 2000 post views in social media
- ✓ 2 Dissemination video clips

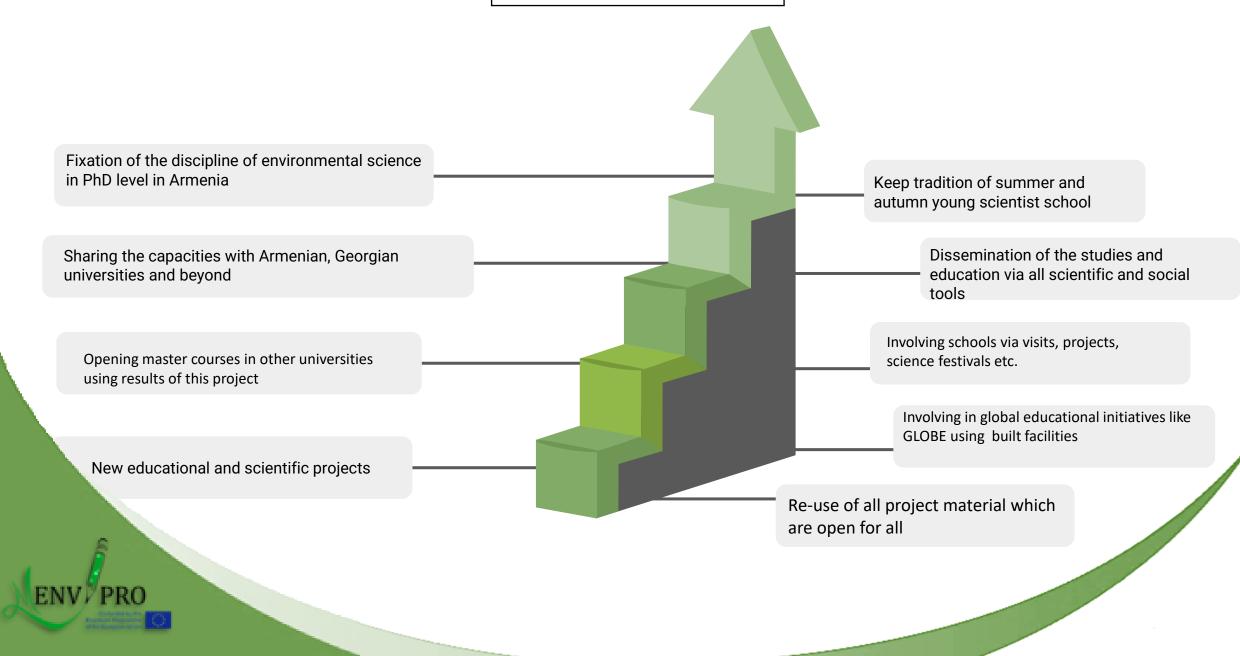
ENV^V**PRO**

- ✓ Dissemination materials: flyers, banners ...
- ✓ 2021,2022 Education & Carreer EXPO
- ✓ STARMUS Fest: Science camp, 100 000 participants



Dissemination

SUSTAINABILIY & FUTURE



THANK YOU !



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