

CONFERENCE REPORT

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

05 – 07 October, 2022
Yerevan, Armenia



NAS RA
INTERNATIONAL SCIENTIFIC
EDUCATIONAL CENTER



TÉCNICO
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GRENA
GEORGIAN RESEARCH AND EDUCATIONAL
NETWORKING ASSOCIATION



UNIVERSITÀ
DEGLI STUDI DELLA
TUSCIA



MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG



ACKNOWLEDGEMENTS

We acknowledge all the Consortium Partners who have been contributing in delivering the [MENVIPRO](https://www.menvipro.org) Final Conference; they are listed as per the own affiliation (11 institutions/organisations) in Table 1 that follows.

Table 1. Consortium Partners contributing to deliver the [MENVIPRO](https://www.menvipro.org) Final Conference

CONSORTIUM PARTNERS	AFFILIATING INSTITUTIONS
Andrey Girenko	Giraf PM Services GmbH - Germany
Angela Fattoretti	Tuscia University - Italy
Arusyak Harutyunyan	International Scientific - Educational Center of NAS RA (ISEC) - Armenia
Chiara Baldacchini	Tuscia University, National Research Council of Italy (CNR)- Italy
David Pipoyan	Center for Ecological -Noosphere Studies NAS RA - Armenia
David Chkhaidze	Ilia State University- Georgia
Gevorg Tepanosyan	Center for Ecological -Noosphere Studies NAS RA - Armenia
Irakli Gedevanishvili	Georgian Research and Educational Networking Association - Georgia
Lilit Sahakyan	Center for Ecological -Noosphere Studies NAS RA - Armenia
Lilit Torchyan	Gavar State University - Armenia
Marco Ciolfi	National Research Council of Italy (CNR)- Italy
Margarida Malta	Technical University of Lisbon
Michael Denk	Martin Luther University Halle-Wittenberg-Germany
Nicolò Merendino	Tuscia University - Italy
Kakhaber Tavzarashvili	University of Georgia – Georgia
Sara Di Lonardo	National Research Council of Italy (CNR)- Italy
Silvia Portarena	National Research Council of Italy (CNR)- Italy

FOREWORD

We are very proud to present you the outcomes and results of the [MENVIPRO](#) Final Online-Onsite Hybrid Conference "Innovative Postgraduate Education in The Field of Environment Protection: Methods and Tools " held in Yerevan (Armenia) on 5-7 October 2022.

This event attracted over 60 participants in person and many remotely attendees from Armenia, Georgia, Italy, Germany and Portugal. It was the first ever event of this scale at which we were able to actively engage with and reach out to a wider range of stakeholders, national authorities and labor market representatives (see [ANNEX I](#)).

The main objective of the Final Conference was to illustrate how MENVIPRO project implements its model and mission in practice, and to showcase its activities, achievements and developments to date at all levels.

To that effect, the Conference sessions were designed to provide participants with an in-depth understanding of MENVIPRO activities that would allow them to benefit from the lessons, presentations and reports learnt during this conference.

Additionally, the Conference served as a forum for representatives from all sides of the Quadruple Helix Model actors: academy, industry, government and civil society to interact and build bridges. The different sessions provided the framework of wider discussions on how innovation in the environmental education has been fostered to date and what can be done to direct innovation policies in the future.

Indeed, the three days were buzzing with lively discussion and multi-content presentations – not only during the interactive sessions, but also around the coffee breaks.



DELIVERING THE FINAL CONFERENCE

ORGANISATIONAL ASPECTS

The total expenses to delivering the Final Conference fell into the budget cost assigned to the related project task. The single cost items to be paid by the task leader were about:

- ✓ Translation service (synchronous translation)
- ✓ Meals and refreshments
- ✓ Zoom connection service.

CONFERENCE CONTENTS

Given that the Final Conference was the last collaborative task in the [MENVIPRO](#) project it was conceived as per the overall experience developed during the 4 year-work (2018-2022) both on scientific and educational contents to be addressed and concerning the contribution by all the Consortium Partners. The 4 plenary sessions were general or transverse per contents addressed, with functions of introduction or for conclusions.

Both reference Partners on the thematic issues and/or external experts in the field were identified as speakers according to their own specific competences and expertise (see Conference agenda at [ANNEX II](#)).

Day I: 5 October 2022



OPENING OF THE CONFERENCE

Dr. Lilit Sahakyan, the director of Center for Ecological-Noosphere Studies NAS RA (CENS) addressed and welcomed conference participants, and expressed her gratitude to Invited distinguished guests and speakers. Dr. L.Sahakyan outlined that she attach great importance to the conference, not only because the program is finishing and its time to present the results, but also because of the wide coverage that she expect to receive in order to finally consolidate de jure environmental sciences in the Republic of Armenia.

WELCOME SPEECHES

Academician **Ashot Saghyan**, the President of the National Academy of Sciences of Armenia in his speech emphasised, that it is no coincidence that “Environmental protection and nature management” united

department of CENS and ISEC is the bearer of an important component of this project results, because within the framework of [MENVIPRO](#) program, research and scientific based education is carried out using the scientific potential of CENS. In this sense, the realization of such programs, the holding of such conferences contributes to the implementation of the general idea of development of Innovative postgraduate environmental education, placing it from the very beginning on an internationally recognized level.

D.Sci. of Biol Rouben Aroutiounian, Academician-Secretary of Division of Natural Sciences also mention the importance of environmental education for nature protection and for the formation of environmental thinking.

Prof. Niccolò Merendino, coordinator of the MENVIPRO project, noted that the project was useful not only scientifically, but also culturally. "We met 3 or 4 different cultures, that's why I think one of the important aspects of this Project is which culture was involved in the project," said prof. Merendino.

In his welcoming speech **Armen Sargsyan**- Director of ISEC, highlighted the valuable impact of ERLEP unique inter-university educational and research laboratory, where various student collaborative projects are implemented based on the principles of project-based learning.

Lana Karlova, coordinator of the Erasmus+ program in Armenia, underlined that environmental education should be given a lot of attention, there is an urgent need of a young generation that has fundamental knowledge and is professionally involved in environmental protection. She also emphasized that MENVIPRO team, as professionals, must spread professional, fundamental education across their countries and must have a lot of followers.

PLENARY SESSION I: MAPPING CURRENT DEMAND FOR THE RISE OF INNOVATIVE POSTGRADUATE EDUCATION IN ARMENIA IN THE FIELD OF ENVIRONMENT PROTECTION

Moderated by Dr. Shushanik Asmaryan, Plenary session 1 included presenters:

Dr. Lilit Sahakyan - Director of CENS, ISEC lecturer

Dr. Gevorg Tepanosyan - Head of CENS department of Environmental Geochemistry, ISEC lecturer

Dr. Andrey Girenko - Managing Director of Giraf PM Services GmbH

Dr. Arusyak Harutyunyan - Head of ISEC Foreign Affairs Department

Prof. Kakhaber Tavzarashvili - Professor at The University of Georgia

Dr. David Pipoyan - Head of Informational-Analytical Center for Risk Assessment of Food Chain in CENS, ISEC lecturer

The keynote address of this session started from the presentation of Dr. L. Sahakyan, who started off by introducing MENVIPRO project general overview: key details about the project that give enough information to understand the purpose and scope of the project, underline all project outcomes and its future impact. Dr. G. Tepanosyan continued session by presenting the major tasks of Educational and Research ERLEP Laboratory. Were noticed the importance of ERLEP laboratory which is the key to ensure the high-quality education standards in the field of Environmental protection. Dr. A. Girenko addressed overall definition of postgraduate education, Principles of Innovative Postgraduate

Education and how MENVIPRO managed those principles. Next Dr. D.Pipoyan, Dr. A. Harutyunyan, and Prof. K.Tavzarashvili presented SWOT analysis of MENVIPRO project implementation and management in Armenia and Georgia, highlighting goals, activities, deliverables of the project, as well as internal and external factors affecting project successful implementation.



PLENARY SESSION II: MEETING LABOUR MARKET NEEDS IN THE CONTEXT OF ENVIRONMENTAL POSTGRADUATE EDUCATION

Moderated by Dr. David Pipoyan, Plenary session 2 included presenters:

Dr. Gayane Marmaryan- Coordinator of Erasmus+ ABIONET project

Arman Gevorgyan- Director of 'RVSPCLS" SNCO SSFS MA RA

Dr. Gayane Shahnazaryan- Deputy Director at Hydrometeorology and Monitoring Center SNCO

Dr. Vahagn Muradyan- Head of the Geomatics Center of Cadaster Committee of RA,
GSU, ISEC lecturer

Gorik Avetisyan- Chief specialist of the department of nature protection of staff of Yerevan municipality

Dr. K. Pyuskyulyan- Deputy Head of the Radiological Protection Department of the ANPP and Senior Researcher of CENS Radioecology Department



The objective of this session was to identify and characterize certain relationships that appear between education and the labor market outcomes. Emphasizing of several aspects and current needs of labor market can be helpful for revealing necessary key points in environmental education to prepare experts who can successfully enter the labor force.

For this session were invited representatives from

different State-Structures, including Republican veterinary and phytosanitary laboratory services center SNCO, food safety inspection body of the government of RA, Hydrometeorology and monitoring center SNCO of ME, RA, Cadaster Committee of RA, Yerevan municipality and Armenian Nuclear Power Plant, were CENS and ISEC “Environmental protection and nature management” department students do their internships.

Day II: 6 October 2022

PLENARY SESSION III: CURRICULUM MODERNIZATION AND IMPERATIVES FOR RELEVANCE: NEW DEVELOPED COURSES

Moderated by Dr. Gevorg Tepanosyan, Plenary session 3 included presenters:

Gayane Melkonyan- MSc program manager of CENS and ISEC department of “Environment protection & Nature Management” department.

G.Ayvazyan, S.Hovhannisyan- CENS and ISEC “Environmental protection and Nature Management” department students

Dr. Olga Belyaeva- Head of CENS department of Radioecology, ISEC lecturer

Dr. Margarida Malta- Head Unit Planning and Environmental Protection Division of Technical University of Lisbon

Dr. Gevorg Tepanosyan- Head of CENS department of Environmental Geochemistry, ISEC lecturer

Dr. Sara Di Lonardo – Permanent researcher at the National Research Council of Italy (CNR)

Dr. David Pipoyan - Head of Informational-Analytical Center for Risk Assessment of Food Chain in CENS, ISEC lecturer

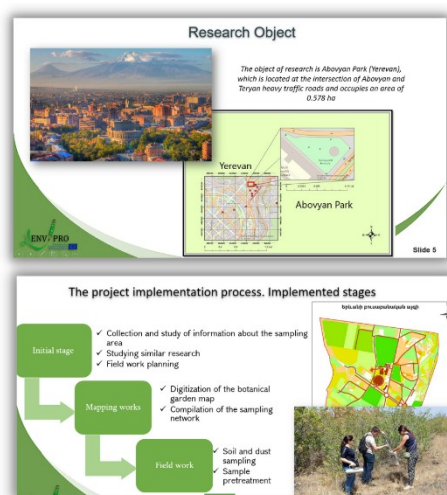
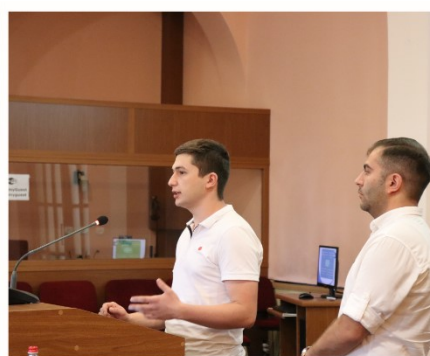
Prof. Nicolò Merendino - associated Professor at Tuscia University

Dr. Silvia Portarena – Researcher of the Research Institute of Terrestrial Ecosystems, CNR

Dr. Lilit Sahakyan - Director of CENS, ISEC lecturer
Team of Martin Luther University Halle-Wittenberg

This session was focused on new developed courses in MENVIPRO partner Universities. All presenters profoundly represented overviews and revisions of their courses, spatially highlighted impacts and outcomes of benchmarking with EU different universities, course prerequisites, results and benefits of learning modules and interdisciplinary connections with other courses. CENS and ISEC “Environment protection & Nature Management” department lecturers introduced how ERLEP Laboratory can be Involved in the Course Curricula, help to implement Research-based curriculum and conducted tresses with the usage of ERLEP infrastructure (see ANNEX III).

CENS and ISEC Msc department students explained in detailed their 2 projects: “Ecogeochemical research of soils in Abovyan park”, “Ecological passport of Yerevan Botanical Garden” done within project-based interdisciplinary education model carrying out during ther education.



PLENARY SESSION IV: CURRICULUM MODERNIZATION AND IMPERATIVES FOR RELEVANCE: MODERNIZED COURSES

Moderated by Dr. Shushanik Asmaryan, Plenary session 4 included presenters:

Dr. Olga Belyaeva- Head of CENS department of Radioecology, ISEC lecturer

Dr. Shushanik Asmaryan- Head of CENS department of GIS and Remote sensing, ISEC lecturer

Dr. Marco Ciolfi - researcher at the Research Institute on Terrestrial Ecosystems of the National Research

Dr. Chiara Baldacchini - Associate Professor of Applied Physics University of Tuscia, Associated to CNR-IRET

Dr. Vahagn Muradyan- Head of the Geomatics Center of Cadaster Committee of RA,
GSU, ISEC lecturer

Dr. Gayane Nersisyan -ISEC lecturer

Dr. David Pipoyan - Head of Informational-Analytical Center for Risk Assessment of Food Chain in CENS, ISEC lecturer

Dr. David Chkhaidze - Head of Laboratory Spaces, School of Technology, Computer and Electrical Engineering, Faculty of Business, Technology and Education of Ilia State University

Team of Martin Luther University Halle-Wittenberg

Contents that were presented in this session are also devoted to the general characteristics of the course modules, but in this session the speakers have already discussed the modernized courses. In this part it was dealt with positive improvements in courses offered by universities. Innovative teaching techniques and strategies (such as active learning or blended learning) were also devised in order to improve the student learning experience (see [ANNEX IV](#)).

CLOSING CEREMONY

Dr. Lilit Sahakyan extended her highest respect and most sincere gratitude to the joint efforts of all the participating leaders, experts, guests and representatives, and her most cordial congratulations to the success of realized MENVIPRO project. She expressed her wishes that the collaborations achieved within MENVIPRO framework will strengthen and continue during other educational and scientific projects.

Dr. David Pipoyan mentioned, that despite the overcome many technical and administrative obstacles in recent days, and difficulties collaborative works from different countries, the org-committee made this Final Conference happened. He took the opportunity to thank Prof. Nicolo Merendin and other sincere colleagues, who in these difficult times for Armenia not afraid to personally attend and participate in this important event for the completion of the program.

Dr. Gevorg Tepanosyan joined in all the wishes and made a special mention that the project was unprecedented, especially in terms of the cost and effort involved in setting up the ERLEP lab, and he is confident that it will serve its purpose in the best possible way for all students. He is also highlited scientific achievements of MENVIPRO project, in particular impacted publications with CENS departments of Environmental Geochemistry, Radioecology and Informational-Analytical Center for Risk Assessment of Food Chain.



Day III: 7 October 2022

CONSORTIUM MEETING

The last day of the "Innovative Postgraduate Education in The Field of Environment Protection: Methods and Tools" conference, a meeting of the MENVI PRO project Consortium Partners was implemented at the Center for Ecological-Noosphere Studies NAS RA.

During the meeting and overall discussions, the consortium members of the project thanked Armenian side for organizing the conference at such a high level.

Taking into account that this meeting sums up and completes MENVI PRO project, SWOT analysis results and done reports were discussed, and an agreement was reached on the presentation of a general final report.

After the meeting, consortium members toured the [#ERLEP](#) laboratory located in CENS and got acquainted with the devices acquired within the framework of the project.



ANNEX I – List of participants (day 1)



Online-Onsite Hybrid Conference

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

05 – 07 October, 2022

National Academy of Sciences of the Republic of Armenia

Day 1 (5 October 2022)

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Konstantin	Khachatryan	Armenian AXC	konstantin.khachatryan@axc.am	0938 91544	[Signature]
Gayane	Khachatryan	Armenian AXC	gayane.khachatryan@axc.am	093 55 07 02	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Irakli	Noselidze	UG	irakli.noselidze@ug.edu.ge	995 571 5333	[Signature]
Marion	Bizhbilova	UG	marion.bizhbilova@ug.edu.ge	995 571 5333	[Signature]
Katli	Tavazoni	UG	k.tavazoni@ug.edu.ge		[Signature]
Irakli	Gadavani	GRENA	irakli@grena.ge	+995 571 6162	[Signature]
Marine	Khachatryan	MUKI	marine.khachatryan@muki.am	093 53 09 94	[Signature]
Chantia	Khachatryan	MUKI	chantia.khachatryan@muki.am		[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]

1

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]

3

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]

2

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
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Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]
Marine	Khachatryan	CENS	marine.khachatryan@cens.eu	093 53 09 94	[Signature]
Alina	Dolynova	CENS	alina.dolynova@cens.eu	093 02 13 95	[Signature]

ANNEX I – List of participants (day 2)













Online-Onsite Hybrid Conference

















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
















05 – 07 October, 2022

National Academy of Sciences of the Republic of Armenia

Day 2 (6 October 2022)

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Zhenya	Poghosyan	CENS	zhenya.poghosyan@cen.am	077 44 28 26	
Astghik	Gavrogyan	CENS	astghik.gavrogyan@cen.am	094 37 87 70	
Rosa	Tadrosyan	CENS	rosa.tadrosyan@cen.am	091634582	
Gayane	Makaryan	CENS	gayane.makaryan@cen.am	093550702	
Shushe	Shahinian	Multi-agency	shushe.shahinian@cen.am	098705 20	
Chapman	Andriashyan	CENS	spartak.horhamisyan@cen.am	094988295	
Henka	Kharatyan	CENS	henka.kharatyan@cen.am	09680000	
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am	09700700	
Shushanik	Shushanikyan	CENS	shushanik.shushanikyan@cen.am	094008218	
David	Poghosyan	CENS	david.poghosyan@cen.am	096 780 726	

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Irakli	Georjanishvili	GRENA	irakli@gren.am	+995598441612	
Chapman	Chapman	Multi-agency	chapman.chapman@cen.am	093303609	
Kateh	Tavazarian	UG	katetavazarian@ug.am		
Irakli	Noseli	UG	ira.noseli@ug.am	9555457579	
Manana	Sakuridze	ISU	manana.sakuridze@isu.am	55557740875	
Marika	Tskhovrelishvili	ISU	marika.tskhovrelishvili@isu.am	55615711	
Khachatur	Khachaturyan	CENS	khachatur.khachaturyan@cen.am	094559117	
Chapman	Chapman	CENS	azadnizyan@cen.am	095095409	
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am	096541316	
Chapman	Chapman	Multi-agency	chapman.chapman@cen.am	0935521795	
CHARA	CHARA	UNIV	chara.chara@univ.am	+39 377449063	
SARA	DI LONARDO	RET-CNR	sara.dilonardo@ret.cnr.it	+3933852044	
SILVIA	PORTERENA	RET-CNR	silvia.porterena@ret.cnr.it	+39 323867806	
MARCO	CIOFI	CNR - IRET	marco.ciofi@ret.cnr.it	+39 32322426	
NICOLA	MERLINI	UNITUS	nicola.merlini@unitus.it	+39 332039156	
Armen	Abrahamyan	CENS	armen.abrahamyan@cen.am	094517473	

Name	Surname	University/Organisation	E-mail	Phone number	Signature
Seda	Shirazyan	CENS	seda.shirazyan@cen.am		
Lysine	Davtyan	CENS	lysine.davtyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		
Shiraz	Shirazyan	CENS	shiraz.shirazyan@cen.am		

ANNEX II – Final Conference agenda

Online-Onsite Hybrid Conference

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

05 – 07 October, 2022

National Academy of Sciences of the Republic of Armenia
Address: 24, Marshall Baghramian Ave. 0019 Yerevan

**The working language is Armenian with synchronous translation into English*

Day 1 - 05 October 2022 (Wednesday) - Conference Hall of the Presidium of NAS RA		
09:00 – 09:30 AM	Registration	
09:30-10:20AM	Opening Address Moderator: L. Sahakyan	National authorities D.Sc. Chem, Ashot Saghyan The President of the National Academy of Sciences of Armenia D.Sci. of Biol., Rouben Aroutiounian , Academician- Secretary of Division of Natural Sciences Prof. Nicolò Merendino MENVI PRO Project Coordinator Dr. Angela Fattoretti MENVI PRO Project Manager Host organizations CENS and ISEC Dr. Lilit Sahakyan Center for Ecological -Noosphere Studies NAS RA, CENS Dr. Armen Sargsyan International Scientific Educational Center of NAS RA, ISEC National Erasmus+ Office Armenia Dr. Lana Karlova
Plenary Session 1: MAPPING CURRENT DEMAND FOR THE RISE OF INNOVATIVE POSTGRADUATE EDUCATION IN ARMENIA IN THE FIELD OF ENVIRONMENT PROTECTION		Moderators: Dr. Sh. Asmaryan Prof. Nicolo Merendino
10:20 AM – 10:35 AM	Theme 1- MENVI PRO project general overview (Keynote address)	Dr. Lilit Sahakyan Center for Ecological -Noosphere Studies NAS RA
10:35 AM – 10:50 AM	Theme 2- Brief introduction of project partners	Project partners: Menvipro consortium

10: 50 AM – 11:05 AM	Theme 3 -ERLEP laboratory: a multidisciplinary research space	Dr. Gevorg Tepanosyan Center for Ecological -Noosphere Studies NAS RA
11:05 AM – 11:15 AM	Q&A	
11:15 – 11:40 PM	Coffee Break	
11:40 AM – 12:00 PM	Theme 4 - Innovative postgraduate education in the field of environment protection (Keynote address)	Andrey Girenko Giraf PM Services GmbH
12:00 PM – 12:20 PM	Theme 5 – SWOT analysis of MENVIPRO project implementation and management in Armenia	Arusyak Harutyunyan International Scientific - Educational Center of NAS RA
12:20 PM – 12:40 PM	Theme 6 – SWOT analysis of MENVIPRO project implementation and management in Georgia	Kakhaber Tavzarashvili University of Georgia
12:40 PM-1:00 PM	Theme 7 - SWOT analysis of MENVIPRO project curriculum evaluation	Dr. David Pipoyan Center for Ecological -Noosphere Studies NAS RA
1:00 PM – 1:20 PM	Theme 8 - SWOT analysis of MENVIPRO project curriculum evaluation	Avtandil Tavkhelidze Ilia State University
1:20 PM –1:40 PM	Q&A	
1:40 PM – 2:40 PM	Lunch	
Plenary Session 2: MEETING LABOUR MARKET NEEDS IN THE CONTEXT OF ENVIRONMENTAL POSTGRADUATE EDUCATION		Moderator: Dr. D. Pipoyan
2:40 PM – 2:55 PM	Theme 1 - ABIONET (Armenian Network of Excellence in Bio-Products Science and Technology project): knowledge and experience sharing	Dr. Gayane Marmaryan Coordinator of ABIONET project
2:55 PM – 3:10 PM	Theme 2 - Republican veterinary and phytosanitary laboratory services center SNCO, food safety inspection body of the government of RA	A.Gevorgyan Director of “RVSPCLS” SNCO SSFS MA RA
3:10 PM – 3:25 PM	Theme 3 -Hydrometeorology and monitoring center SNCO of ME, RA	Gayane Shahnazaryan Deputy Director at Hydrometeorology and Monitoring Center SNCO
3:25 PM – 3:40 PM	Theme 4 - Cadaster Committee of RA	Dr. Vahagn Muradyan Head of the Geomatics Center
3:40 PM – 3:55 PM	Theme 5 - Yerevan municipality	Gorik Avetisyan Chief specialist of the department of nature protection of staff of yerevan municipality
3:55 PM – 4:10 PM	Theme 6 - Armenian Nuclear Power Plant	Dr. K. Pyuskyulyan Deputy Head of the Radiological Protection Department of the ANPP and Senior Researcher of CENS Radioecology Department
4:10 – 4:20 PM	Q&A	
4:20 – 5:20 PM	Networking: Coffee break	

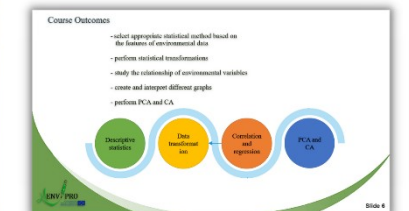
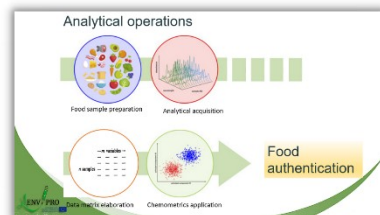
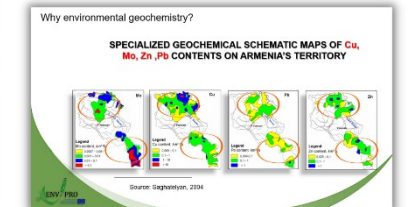
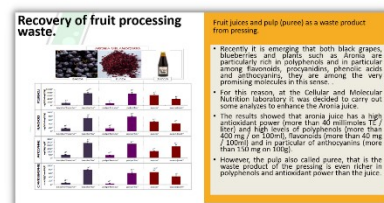
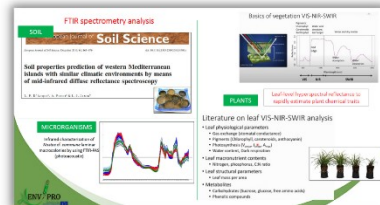
Day 2 – 06 October 2022 (Thursday) - Conference Hall of the Presidium of NAS RA		
9:30 – 10:00 AM	Registration	
Plenary Session 3: CURRICULUM MODERNIZATION AND IMPERATIVES FOR RELEVANCE: NEW DEVELOPED COURSES		Moderator: Dr. G. Tepanosyan
10:00AM – 10:15AM	Overview and revision of “ <i>Environmental protection and Nature Management</i> ” department curricula	Gayane Melkonyan International Scientific - Educational Center of NAS RA, CENS

10:15AM– 10:25AM	MENVIPRO project implementation perspectives in the context of student learning outcomes	G.Ayvazyan S.Hovhannisyan “Environmental protection and Nature Management” department students
10:25AM– 10:35AM	Theme 1 -Environmental Radiation Protection	Dr. Olga Belyaeva Center for Ecological - Noosphere Studies NAS RA
10:35AM– 10:45AM	Theme 1.1 - Environmental Radioactivity Monitoring for Protection of the Public	Dr. Margarida Malta Technical University of Lisbon
10:45AM -11:10 AM	Theme 2 – Environmental statistics	Dr. Gevorg Tepanosyan Center for Ecological - Noosphere Studies NAS RA
	Theme 3 – Soil Quality monitoring	
11:10 AM – 11:30 AM	Theme 3.1 - Soil Spectroscopy	Dr. Sara Di Lonardo National Research Council of Italy (CNR)
11:30AM - 11:40 AM	Q&A	
11:40AM – 12:00 PM	Coffee Break	
12:00 PM -12:10 PM	Theme 4 – Food safety risk assessment	Dr. Davit Pipoyan Center for Ecological - Noosphere Studies NAS RA
12:10 PM – 12:20 PM	Theme 4.1 – Food Science and Nutrition: new prospective for human and environmental health	Prof. Nicolò Merendino Tuscia University
12:20 PM – 12:40PM	Theme 5 – Food authentication by fingerprinting approaches	Dr. Silvia Portarena National Research Council of Italy (CNR)
12:40PM – 1:00PM	Theme 6 - Current developments in remote sensing – from data to products and applications	Martin Luther University Halle-Wittenberg
1:00PM – 1:10PM	Theme 6.1 - Applied remote sensing	Dr. Vahagn Muradyan Gavar state University
1:10PM – 1:20PM	Q&A	
1:20 PM – 2:20 PM	Lunch	
Plenary Session 4: CURRICULUM MODERNIZATION AND IMPERATIVES FOR RELEVANCE: MODERNIZED COURSES		Moderator: Dr. Sh. Asmaryan
2:30 PM – 2:40 PM	Theme 1 -Environmental geochemistry	Dr. Lilit Sahakyan Center for Ecological - Noosphere Studies NAS RA
2:40 PM – 2:50 PM	Theme 2 - Environmental monitoring and measurement devices	Dr. Olga Belyaeva Center for Ecological - Noosphere Studies NAS RA
2:50 PM – 3:10 PM	Theme 3 –Spatial data infrastructure and data management	Dr. Shushanik Asmaryan Center for Ecological - Noosphere Studies NAS RA
	Theme 4 -Landscape Planning	
3:10 PM –3:30 PM	Theme 4.1 - Quick Sentinel-2 optical indices assessment exploiting the Google Earth Engine platform	Dr. Marco Ciolfi National Research Council of Italy (CNR)
3:30 PM – 3:50 PM	Theme 4.2 - The role of landscape planning and development in times of climate change	Martin Luther University Halle-Wittenberg
3:50 PM – 4:10 PM	Modernized courses from Georgian curricula	Prof. Irakli Noselidze University of Georgia Dr. D.Chkhaidze Ilia State University
4:10 PM – 4:20PM	Q&A	
4:20 PM – 4:40 PM	Coffee break	
4:40 PM – 4:50 PM	Theme 5 – Urban Ecology	Dr. Gayane Nersisyan International Scientific Educational Center of NAS RA, ISEC

4:50 PM – 5:10 PM	Theme 5.1 - NBS in urban and extra-urban environments	Prof. Chiara Baldacchini Tuscia University, National Research Council of Italy (CNR)
5:10 PM – 5:20 PM	Theme 6 – Environmental toxicology	Dr. Meline Beglaryan Center for Ecological - Noosphere Studies NAS RA
5:20PM -5:40 PM	Theme 7 – Geographic information system. Recent developments in geodata science	Dr. Vahagn Muradyan Gavar State University Martin Luther University Halle-Wittenberg
5:40PM – 6:00 PM	Modernized courses from Georgian curricula	Prof. Irakli Noselidze University of Georgia Dr. D.Chkhaidze Ilia State University
06:00 PM	Closing ceremony	
07:00 PM	SOCIAL EVENT	Participation fee: 30€

Day 3 – 07 October 2022 (Friday)	
CONSORTIUM MEETING	
Time	Place
12:00 PM	Center for Ecological -Noosphere Studies NAS RA

ANNEX III – Speakers and presentations of 3rd plenary session



BIO Presenter



Margarida Malta

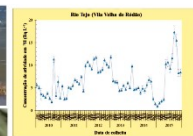
Head of Unit
Planning and Environmental Protection
Division (DPA)
Emergency and Radiation Protection
Department (DERP)
Portuguese Environment Agency (APA)

LinkedIn: in/margareta-malta-60312329
Email: margarida.malta@apaambiente.pt



Slide 2

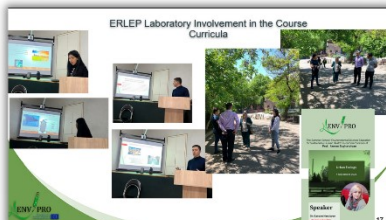
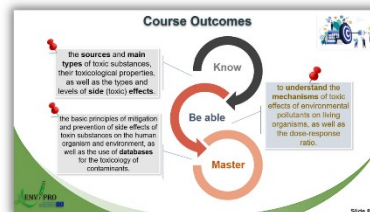
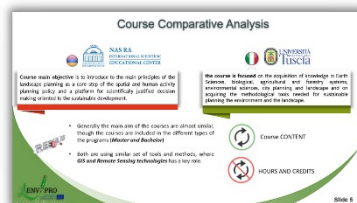
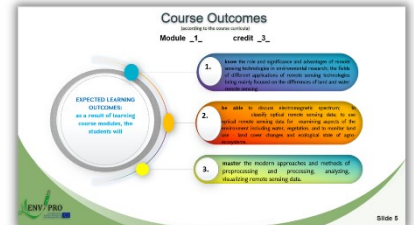
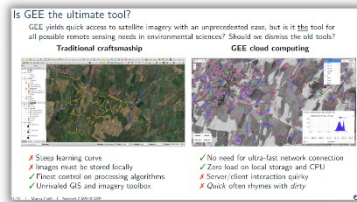
Radioactivity in aquatic environments (rivers, lakes)



Evolution of the volume activity of ¹³⁷Cs (Bq L⁻¹) for the years 2010 to 2015, in Vila Velha de Ródão (River Tejo)

Sampling of water, sediment and aquatic plants in the Tagus (Tejo) River

ANNEX IV – Speakers and presentations of 4th plenary session



Martin Luther University Halle-Wittenberg, Institute of Geosciences and Geography



Prof. Dr. Cornelia Gläßer



Dr. Michael Denk



MSc. Moritz Koza

@ cornelia.glaesser@geo.uni-halle.de
michael.denk@geo.uni-halle.de
moritz.koza@geo.uni-halle.de