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Project acronym: MINERVA

Project full title: STRENGTHENING RESEARCH MANAGEMENT AND OPEN SCIENCE
CAPACITIES OF HEIS IN MOLDOVA AND ARMENIA

Project No: 597912-EPP-1-2018-1-MD-EPPKA2-CBHE-SP

Funding Scheme: Erasmus+

ASEM Achievements within MINERVA project

2-3 December 2021 / Chisinau, Moldova



HR EXCELLENCE IN RESEARCH

Speakers: Liliana STAYER, Head of Science Department
Roscovan Nina, Head of European Project and Program
Laboratory

Institution: Academy of Economic Studies of Moldova

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WP2:

D2.3. Institutional policies of Open Science (OS)

- Institutional OS Strategy

Regarding the Institutional Open Science Strategy (henceforth OS) – it is currently being drafted to be presented to the ASEM Senators to be consulted and approved, and, therefore it is being translated into the official language (all institutional acts, issued by a public institution, such as ASEM, are drafted and approved in the official language of the state). Following the approval in ASEM Senate meeting scheduled to take place on 24 December 2021, a summary of this Strategy in English will be drafted. Moreover, we would like to mention that we will take Notes on the expert suggestions regarding the Strategy, as it is a totally (100%) new document, drafted based on the knowledge and experience following the Study Visits and Workshops presented by our EU Partners.

On 30 November 2021, the second round of consulting with our academia (professors, researchers, PhD students, master students, as well as our partners) has been carried out regarding the knowledge and identifying the measures of establishing familiarity with the concept of Open Science as well as the benefits of implementing the OS Principles within ASEM, 47 samples were valid.

WP2:

D2.3. Institutional policies of Open Science (OS)

- Institutional OA Policy

The Institutional Policy on OS is a partially new document of ASEM, until the launch of the MINERVA project, ASEM had implemented and approved The Open Access Policy, which had presented some aspects of Open Access, followed by an upgrade of all components specific to the OS Initiative at the institutional level. The document is being prepared for voting and approval at the ASEM Senate Meeting on December 24, 2021.

It will also take note of those mentioned by the EU Expert and the recommendations from the following event:

The online roundtable “Open Access - it matters how we open our knowledge”, 28 October 2021 - <https://eifloamoldova.wordpress.com/2021/11/02/masa-rotunda-online-accesul-deschis-conteaza-modul-in-care-deschidem-cunoasterea/> - organised by [The Association of Librarians of the Republic of Moldova](#) (ABRM), [REM Consortium](#), [Information Society Development Institute](#) (IDSI) in cooperation with the Department of Communication and Information Theory of the [Faculty of Journalism and Communication Sciences](#) MSU și [Scientific Library of ASEM](#). The event took place during [International Week of Open Access 2021](#). The benefits of MINERVA project were presented at the event.



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WP2:

D2.3. Institutional policies of Open Science (OS)

- Institutional Regulation on Repository

- ❑ The Institutional Regulation on ASEM REPOSITORY was drafted in 2012, being placed on an OS (Open Source) system, however, so far, the academia have a reluctance regarding uploading their scientific papers to this repository.
- ❑ Therefore, ASEM Scientific Library, together with the Science Service, organizes sessions to inform and familiarize the academic environment on the benefits of Open Access through the Repository of Researchers' Publications and Scientific Results.
- ❑ On this subject, the ASEM Library and the Science Service are working on this Institutional Regulation, which is also to be submitted to the ASEM Senate, and put to the vote on December 24, 2021.



D2.3. Institutional policies of Open Science (OS)

Signatory of the Berlin Declaration

openaccess.mpg.de/319790/Signatories

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702	31.08.2021	Universidad Nacional de Jaén	Oscar Andrés Gamarra Torres
701	12.08.2021	Universidad Nacional del Callao	Jorge Alberto Montaño Pisfil
700	04.08.2021	Universidad Privada de Tacna	Humberto Serruto Aquice
699	28.07.2021	Brusov State University	Karine Harutyunyan
698	26.07.2021	Universidad Nacional de Ucayali	Fernando Pérez Leal
697	22.07.2021	Universidad Nacional de Cajamarca	Ángel Francisco Dávila Rojas
696	19.07.2021	University of Applied Sciences Würzburg-Schweinfurt	Robert Grebner
695	13.07.2021	Nicolae Testemitanu State University of Medicine and Pharmacy of the Republic of Moldova	Liubovi Karnaeva
694	12.07.2021	Ivan Franko National University of Lviv, Studia Biologica Journal	Rostyslav Stoika
693	07.07.2021	Universidad Nacional José María Arguedas	Manuel Isaias Vera Herrera
692	29.06.2021	Yerevan State University	Rafayel H. Barkhudaryan
691	23.06.2021	Armenian State University of Economics	Diana Galoyan
690	22.06.2021	Academy of Economic Studies of Moldova	Liliana Staver
689	10.06.2021	Universidad Nacional de la Amazonia Peruana	Margarita Fasanando-Vásquez
688	10.06.2021	Instituto de Investigaciones de la Amazonia Peruana	Carmen García-Dávila
687	03.06.2021	Pädagogische Hochschule Schwyz	Silvio Herzog
686	31.05.2021	Universidad Nacional de Educación Enrique Guzmán y Valle	Lida Violeta Asencios Trujillo
685	29.05.2021	Universidad Privada de Huanayo Franklin Roosevelt	Chipana Beltran, Feliza Nieves



D.3.3. Integrated system of institutional repositories

The institutional Repository IREK – AESM (Institutional Repository of Economic Knowledge): current situation and development prospects

IREK – AESM (Institutional Repository of Economic Knowledge) is the digital repository (repository) available on the Library page <http://irek.ase.md/xmlui/>, which includes scientific publications of researchers from the Academy of Economic Studies of Moldova. The IREK repository is created by implementing the DSpace software.

The Institutional Repository is structured into 11 communities (43 collections), representing faculties, including the Doctoral School and the Master School of Excellence in Economics and Business. In 2021, the CNC community was added (5 collections).

The ASEM repository is an electronic archive of scientific, educational, regulatory or other documents, drafted in any ASEM subdivision, as well as by employees of other organizations, who have published in ASEM materials and sent ASEM the right to place on the Internet.

The Scientific materials included in the Repository comprise articles from the Scientific Journal "Economica", Journal - External European Journal of Regional Studies (added in 2021), Journal - CSEI Working Papers (added in 2021); Scientific Annals of the Academy of Economic Studies of Moldova; thematic collections, conference materials, which were edited by the ASEM Editorial-Printing Service; any publications of ASEM employees, from other publishing houses, in the absence of a ban from the publishing house regarding their publication in the Institutional Repository; doctoral thesis summaries and doctoral theses to be defended within ASEM; other scientific, didactic, informative, regulatory or any other materials, at the author's request, at the recommendation of the heads of departments.

D.3.3. Integrated system of institutional repositories

The ASEM institutional repository is under development and currently displays 2121 publications (11/24/21). The increase in 2021 is by 793 digital units.

A new collection of ASEM scientific reports will soon be created.

The ASEM institutional repository is registered in the OpenDOAR Directory, the ROAR Registry and ROARMAP.

DSpace version 6.3 is currently in use. Upgrading to the current version (7.1) has been tested and is not possible due to factors such as lack of multiple system features, errors loading DSpace frontend files.

Several CRIS / RIMS systems are being tested. DSpace-Cris (current version: 7) being on the same basis as DSpace (current version 7.1) are tested and configured for internal needs, the launch we plan in a few weeks.

The connection of the CRIS1 / RIMS2 systems with the identification system (IDP3) that is connected to the LEAF4 identification federation will be organized only starting with January 2022. The LEAF federation allows the connection with other study and research organizations through EDUGAIN5. A cluster of servers with an external storage unit (Hard Drive Array and NAS6) is organized for storing and processing information.

We are currently in the process of renewing the continuous supply units for servers and storage equipment.

Following the acquisition of equipment from MINERVA, in particular Servers: Dell EMC ME4024 Storage Array (1 unit) and Dell Power Edge R440 (2 units) The infrastructure has been greatly improved as the HP Proliant ML30 Gen10 Server, Intel Xeon E-2224 , 3.4 Ghz 8 GB DDR4, Hard2x1TB purchased from the project Funded by the Norwegian Embassy, decommissioned, installed in 2011.



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A.3.3. Brochure about the institutional repositories - upload on Trello and present information about it during the meeting

The Institutional Repository Brochure has been developed with the purpose to present this type of research infrastructure.

The latter can be consulted on the project work platform - TRELLO



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D4.3. HRS4R improved

A4.3.2/ Preparing and adopting improved HRS4R

The Academy of Economic Studies holds the Excellence in Research Logo, currently, it is at the stage of consultations with the academic environment on the 40 principles of the Researcher's Charter and Code at EU level.

We are working on the HR4R Strategy, the Science Service is preparing for the Senate on December 24, 2021 a comprehensive strategy that will extend the activities that come to support the academic environment (professors, young researchers, PhD students, master students)



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D4.4. Plagiarism monitoring tools implemented

A4.4. Implementing plagiarism monitoring tools

- ❑ Within ASEM, there is an anti-plagiarism system that is applied (developed by the team of the IT department within the institution), through this system all the bachelor's and master's diploma papers are verified.
- ❑ The Doctoral theses and other papers are not verified by this system. Moreover, on February 24, 2020, the *National Agency for Quality Assurance in Education and Research* (the entity which confers and confirms scientific titles, according to Government Decision 497/2019) informed all institutions which prepare scientific staff (doctorate and postdoctoral degree) that it recognizes as an anti-plagiarism tool the program "**sistematiplagiat.ro**", which is owned only by a few universities in the Republic of Moldova.
- ❑ In turn, ASEM will acquire it through funding from this project. This system being one of the impediments to preparing a complete file to be submitted to ANACEC.

D4.4. Plagiarism monitoring tools implemented

A4.4. Implementing plagiarism monitoring tools

- ❑ For this Deliverable, the Science Service is working on an Integrative Regulation about anti-plagiarism for bachelor's, master's, doctoral, post-doctoral theses, currently, within ASEM, there are 2 internal Regulations on this subject, while the Cycle III, doctoral studies, refer to the ANACEC Regulation.
- ❑ For the scientific articles in the Scientific Journals of ASEM, we aim to acquire the anti-plagiarism system of the Turnitin type to ensure integrative ethical values.
- ❑ For scientific conference articles, in order to ensure academic integrity and copyright, it has been proposed to purchase the respective anti-plagiarism software.

Therefore, for the two anti-plagiarism systems, articles in journals and in conference proceedings, no response was obtained from the European Commission. For now, we have the EC approval for the antiplagiat.ro system.



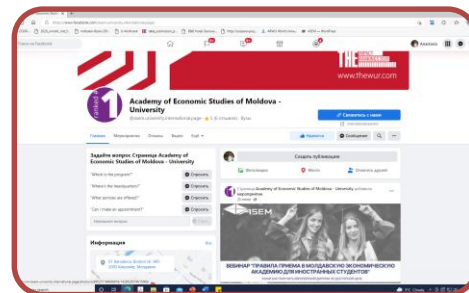
A6.2./ WEB PAGE & SOCIAL MEDIA: institutional dissemination channels used



MINERVA
Institutional
Web page in
national
language



Institutional
Facebook
page



ASEM
international
Facebook
page



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A6.2. Design, develop and maintain OS platforms (joint with A3.3)

The Open Science module was created on the page www.ase.md, the RESEARCH module - <https://ase.md/opiinta-deschisa/>

The information will be completed after the Open Science regulatory documents are approved at the Institutional level.



A6.3. Design and run the dissemination to TG raise awareness on research and OSP

Following the questionnaire launched at institutional level, the following training sessions are requested:

1. Data research and management (storage, data sharing, FAIR principles) – 40%
2. Research integrity – 17%
3. Publication and dissemination of research – 59,6%
4. Collaboration and networking – 63,8 %
5. Scientific dissemination to the general public – 42,6%
6. Involvement of the general public in research
7. Evaluation of research projects and researchers
8. Public assessment of the impact of initiatives
9. I don't know that there are OS training– 21,3% (therefore, a more active popularization of the concept of OS is required)

PLANNED FOR: 15 JANUARY – 15 FEBRUARY 2022



D6.3. TG Information sessions

A.6.3.1. / Information sessions

A6.4./ Organize and run career development sessions for TGs.

- ❑ In 2021, at the initiative of the Science Service, by order of the Rector of ASEM, no. 39 of September 15, 2021, the campaign to create academia accounts was launched for such platforms as ORCID, Google Scholar, Publon (Web of Science), Scopus ID (Elsevier) and LinkedIn, in addition to the promotion on the ResearchGate pages, Zenodo, Academia.edu etc. Thus, contributing to an increased visibility of ASEM research / publications.
- ❑ Before this initiative, in August 2021, the following statistics were presented - ORCID - 26, Google Scholar - 13, Publon (Web of Science) - 7, Scopus ID (Elsevier) - 2 and LinkedIn -80, researchers / professors belonging to institution.

Therefore, the ASEM Scientific Library carried out 2 tutorials "Creating and managing the ORCiD profile" and "Creating and managing the Google Scholar profile";



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D6.3. TG Information sessions

A.6.3.1. / Information sessions

A6.4./ Organize and run career development sessions for TGs.

TG Orientation Session (*Institutional Career development event on Research and OS*): events covering period January-December 2021

- ❑ As of October 11, 2021, ASEM Library organized a two-month training campaign on Creating and Managing ORCID and Google Scholar Profiles;
- ❑ Every day, between 11.00-12.00, individual consultations are offered on the creation of all types of profiles;
- ❑ Organizing online sessions on ZOOM platform: individual - 112; departmental - 2 ("Accounting, Auditing and Economic Analysis", 26.10.21 and "Marketing and Logistics", 11.11.21);
- ❑ The Marathon for creating ORCID and Google Scholar profiles in ASEM was organized during the International Open Access Week (October 25-31, 2021) - 15 people.

At the country level, with the direct involvement of the Science Service, a series of Workshops of the Clarivate Web Platform of Science were organized.

D6.3. TG Information sessions

A.6.3.1. / Information sessions

A6.4./ Organize and run career development sessions for TGs.

TG Orientation Session (*Institutional Career development event on Research and OS*): events covering period January-December 2021

Training session for PhD students, sessions organized with the Scientific Library, I ASEM Doctoral School:

- Guidelines to writing a scientific article
- Scientific Creativity Stimulation
- Knowledge management
- Data research and management (storage, data sharing, FAIR principles)
- Research integrity
- Research publication and Dissemination
- Collaboration and networking
- Scientific dissemination to the general public
- Involvement of the general public in research
- Evaluation of research projects and researchers
- Public assessment of the impact of initiatives



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A6.5./ Organize and run multiplier events

INSTITUTIONAL LEVEL

1. INSTITUTIONAL DISSEMINATION EVENTS (3)
2. INSTITUTIONAL NEWSPAPER/BULLETIN (ARTICLES/NEWS)
 - Institutional newspaper publications: 4
 - Institutional web & social media publications: 18

NATIONAL LEVEL

3. INFORMATION DAYS AND PUBLIC APPEARANCES (4)
4. NATIONAL CONFERENCES/ WORKSHOPS/ SEMINARS (2)
5. MASS-MEDIA APPEARANCE
 - (2) articles published in national mass media

INTERNATIONAL LEVEL

6. INTERNATIONAL CONFERENCE/ WORKSHOPS/ SEMINARS (1)



Thank you for Your attention!



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