



## Erasmus+ project: Promoting academia-industry alliances for R&D through collaborative and open innovation platform (ALL4R&D)

Project reference number 598719-EPP-1-2018-1-MK-EPPKA2-CBHE-JP

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University of Nis



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Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders

Project number: 597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP



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

## Project Consortium

1. "Ss. Cyril and Methodius" University in Skopje - UKIM
2. Institute for Environment, Civil Engineering and Energy - IECE
3. Ruhr University Bochum, Germany - RUB
4. VAASAN YLIOPISTO, Finland - UVA
5. World University Service - Austrian Committee – WUS Austria
6. University of Sarajevo - UNSA
7. Dzemail Bijedic University of Mostar - UNMO
8. National University Architecture and Construction of Armenia - NUACA
9. National Polytechnic University of Armenia Foundation - NPUA
10. Winner Project d.o.o. Sarajevo - WP
11. HP Investing Mostar - HPM
12. Yerevan Telecommunication Research Institute CJSC - YeTRI
13. National Institute for Informatics and Automation Problems – IIAP

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## Work packages

1. PREPARATION - Kick-off seminar and analysis of R&D&I potential
2. DEVELOPMENT - Capacity building of Cooperative R&D Units
3. DEVELOPMENT - Creating Collaborative and Open Innovation Platform
4. DEVELOPMENT - Trials, Pilot & Review
5. QUALITY ASSURANCE - Quality control, monitoring and evaluation
6. DISSEMINATION & EXPLOITATION - Communication, Dissemination and Exploitation of project results ([Lead organisation UNMO and NUACA](#))
7. MANAGEMENT - Project management and coordination

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## Project Finances

Item	Amount (EUR)
1. Staff costs	201,770.00
2. Travel costs	63,075.00
3. Costs of stay	94,320.00
4. Equipment costs	152,000.00
5. Subcontracting costs	20,000.00
<b>Total Grant:</b>	<b>531,165.00</b>

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## OBJECTIVES

**The aim of the AI4R&D project is to accelerate research, innovation, knowledge and technology transfer in Bosnia and Herzegovina and Armenia through enhancing strategic academia-industry alliances.** The specific project objectives are:

- To reinforce existing and to establish new university structures– Cooperative R&D Units together with industry; partners in the areas of knowledge creation and transfer, research and innovation, commercialization of R&D results;
- To develop a methodology for collaboration and open innovation and establish web-based platform focusing on knowledge transfer, innovation and networking potential;
- To test and review the model of collaboration between universities and companies through pilot projects; and
- To enhance career development and employability of students and alumni by offering new and innovative opportunities in research and education.

The following stakeholders are potential users of the project results:

- Academic and research institutions
- Industry partners (private companies, especially those who have strong research and innovation potential)
- Students and alumni
- Government agencies, ministries, public enterprises; business and professional associations
- Investing agencies and third-party funds.

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## WP1 – Preparation - Kick-off seminar and analysis of R&D&I potential

1. Assessment and analysis of R&D&I potential of alliances among universities and companies in Bosnia and Herzegovina and Armenia
  - **Completed (200 interviews)**
2. Kick-off seminar and project team building
  - **Completed**

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## WP2 - Development - Capacity building of Cooperative R&D Units

1. Establishing and embedding the R&D Units in the Universities' structure
  - Completed (4 R&D Units established)
2. Developing Cooperative R&D strategies, structures, tools and procedures
  - Ongoing (UNMO completed requested documentations)
3. Elaborating business plans and developing activities
  - Ongoing
4. Recruiting and training staff from universities and companies
  - Ongoing
5. Defining and purchasing equipment
  - Ongoing (UNMO has completed a activity)

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## WP3 - Development - Creating Collaborative and Open Innovation Platform

1. Designing and developing the interactive web-based platform
  - Completed (<http://platform.all4rd.net/>)
2. Establishing collaborative partnerships between universities and companies for R&D&I
  - Ongoing
3. Developing an open innovation model for academia-industry collaboration
  - Ongoing
4. Developing and implementing training courses and innovation interaction activities offered by professors and experts from industry
  - Ongoing
5. Creating research inventory
  - Ongoing

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## WP4 - Development - Trials, Pilot & Review

1. Launching the Cooperative R&D Units' operations through Pilot projects
  - [Ongoing \(creation of 8 separate research projects\)](#)
2. Reviewing the trial phase using framework of effectiveness
  - [Forthcoming](#)

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## WP5 - Quality assurance - Quality control, monitoring and evaluation

1. Establishing quality control system
  - [Completed](#)
2. Conducting quality control and monitoring procedures
  - [Ongoing](#)
3. Evaluating impact and preparing reports
  - [Ongoing](#)

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## WP6 - Dissemination & Exploitation - Communication, Dissemination and Exploitation of project results

1. Developing the of project web portal
  - [Completed \(all4rd.net\)](#)
2. Developing and implementing the dissemination and communication strategy and activities
  - [Ongoing](#)
3. Ensuring sustainability of the project outcomes
  - [Ongoing](#)

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## WP7- Management - Project management and coordination

1. Ongoing project coordination and communication
  - [Ongoing](#)
2. Financial management and administration
  - [Ongoing](#)

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## UNMOs' results

1. Assessment and analysis of R&D&I potential (20 interviews)
2. Established R&D Unit: **Center for Materials Research**
3. Purchased equipment for the Center (38,000.00 EUR)
4. Created requested documentation (SWOT analysis, market analysis, marketing and HR management plan, Business plan and portfolio of activities)
5. Attended workshops for Centers staff (Vaasa, Finland – May 2019, Bochum, Germany – November 2019, Online workshop – September 2020)
6. Two national events organized at UNMO
7. Six LLL courses created at UNMO
8. Two Research Projects developed at UNMO (implementation in 2021)

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## Equipment



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## 1st National Event – Presentation of the Platform

1. 57 attendances
2. Presentation about All4R&D
3. Presentation about the Platform
4. Discussion on the cooperation between Universities and Industry



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## 2nd National Event – Presentation of Research Projects

1. 24 attendances
2. Presentation about All4R&D
3. Presentation about two Research Projects developed at UNMO



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## UNMO LLL courses

1. Sustainable new building materials
2. EN1992-1-1 concrete design using strut and tie (SAT)
3. Durability of structures
4. Renewable energy sources
5. Water resources management/ usage/ risks and risk management
6. Methods and tools for improvement of urban planning: Zoning and basics of GIS

Available on: <http://moodle.a14rd.net/>

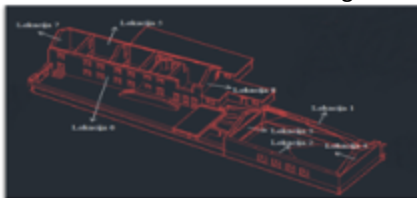
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## UNMO Research Projects

1. "Partizan" sport grounds rehabilitation project
  - Research field: Durability of structures
  - Partners: UNMO (Center for Materials Research) and MAS (Mostar Association of Sport)
2. Football stadium Velež Mostar reconstruction project
  - Research field: Durability of structures
  - Partners: UNMO (Center for Materials Research), Velež football club and HP Investing



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For more information visit the project web sites

[all4rd.net](http://all4rd.net)

[platform.all4rd.net](http://platform.all4rd.net)



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