



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



TACEESM 2020-23



618883-EPP-1-2020-1-IT-EPPKA2-CBHE-JP

Transforming Architectural and Civil Engineering Education towards a Sustainable Model (TACEESM)

**«Ճարտարապետության և քաղաքացիական ճարտարագիտության
կրթության վերափոխումը կայուն մոդելի» (TACEESM)**

*ՃՇՀԱՀ Կրթության որակի ապահովման
կենտրոն*

ՃՇՀԱՀ Կրթական ծրագրերի բաժին

2021 թ.

Goals of TACEESM Erasmus+

TACEESM aims to improve quality of higher education in partner countries in the field of architecture and civil engineering and enhance its relevance for the labour market needs and in accordance with European growth and development strategies

This project aims to develop professional architects and civil engineers with European oriented minds in Bosnia & Herzegovina, Armenia and Belarus. Professionals that will bring European values to the partner countries, will be a refreshment to the market in these countries.

This project aims also to connect the graduated students with companies as they will take part in discussions related to the required courses that will improve and increase the chance of potential candidates in finding jobs.





PARTNERS



Code	Acronym	Title	Country
P1	Ud'A	University G. D'Annunzio	Italy
P2	UM	University of Maribor	Slovenia
P3	UMA	The University of Malaga (School of Architecture and of Engineering)	Spain
P4	HTWK	LEIPZIG UNIVERSITY OF APPLIED SCIENCES (Faculty of Architecture and Social Sciences, Faculty of Civil Engineering)	Germany
P5	IBU	INTERNATIONAL BURCH UNIVERSITY Architecture	BiH
P6	UNBI	University of Bihać	BiH
P7	UNMO	Dzemal Bijedic University of Mostar	BiH
P8	NUACA	National University of Architecture and Construction of Armenia	Armenia

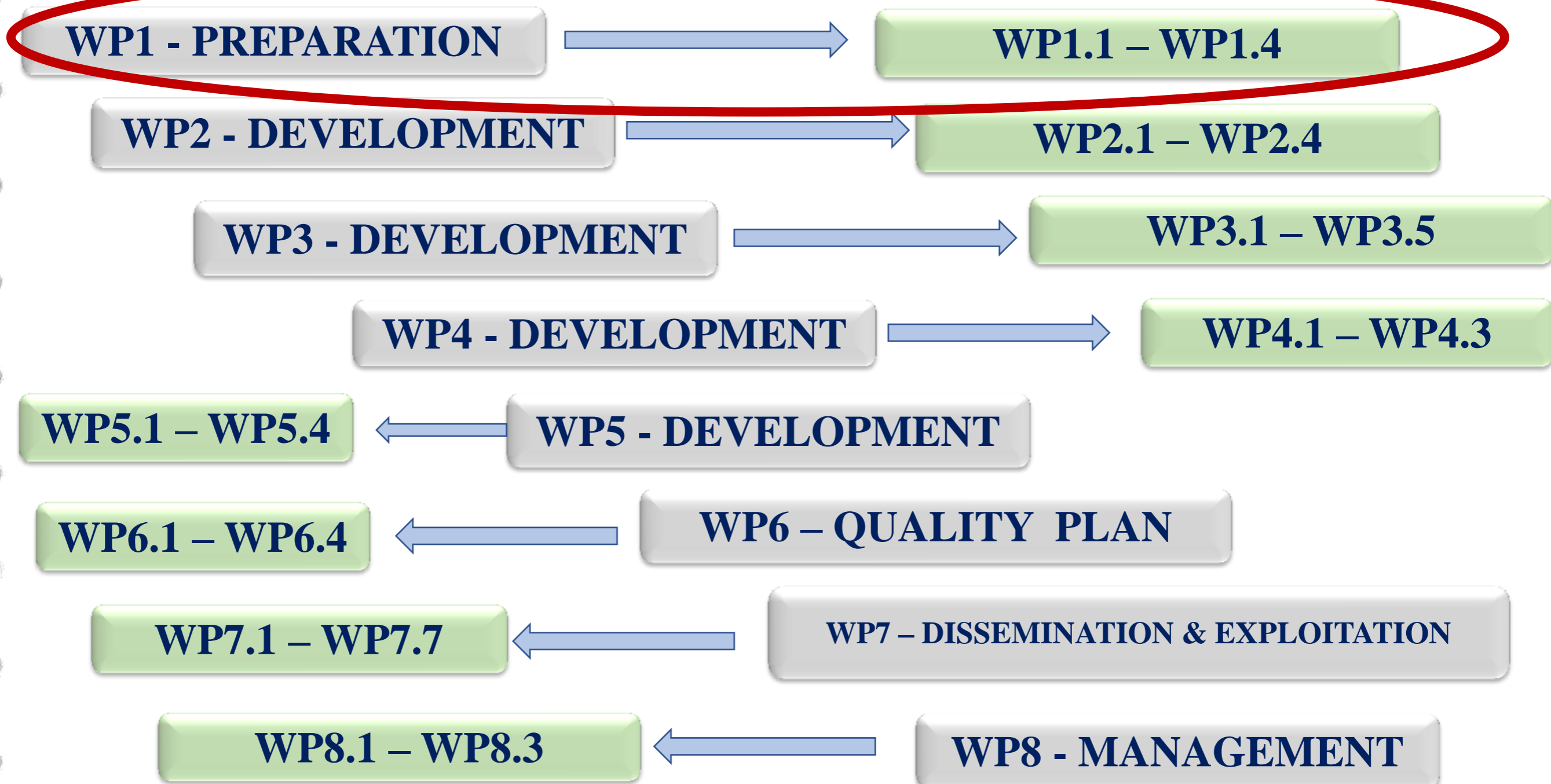


PARTNERS



Code	Acronym	Title	Country
P9	NPUA	National Polytechnic University of Armenia	Armenia
P10	BNTU	The Belarussian National Technical University	Belarus
P11	BrSTU	Brest State Technical University	Belarus
P12	CD doo	CUBE DESIGN d.o.o. Sarajevo (Cube Design is an inter disciplinary, research-based studio of architecture, based in Sarajevo, Bosnia and Herzegovina.)	BiH
P13	KF	“KF Gradnja” doo (KF Gradnja doo is a limited company for trade, civil engineering and services registered in 2014. The company is licensed for civil engineering in high and low-rise construction)	BiH
P14	CARA	Chamber of Architects of Armenia	Armenia
P15	NIPTIS	State Enterprise “Institute of Housing-NIPTIS named after Ataev S.S.”	Belarus
P16	BUA	The Belarussian Union of Architects	Belarus

Work Packages of TACEESM Erasmus+



WP1 - Current programmes in EU and partner HEIs

Lead Organization



**University of Maribor (Faculty of Civil Engineering,
Transportation Engineering and Architecture) - UM
(FGPA), Slovenia**



Co - Leader

Brest State Technical University, Belarus

ACT 1.1 Analysis of related courses/programmes and practices at **EU universities**
(Italy, Slovenia, Spain, Germany)

ACT 1.2 Analysis of related programmes and practices at **partner universities**
(Bosnia and Herzegovina, Armenia, Belarus)

ACT 1.3 Analysis of market needs in **partner countries**
(Bosnia and Herzegovina, Armenia, Belarus)

ACT 1.4 Creation of the learning outcomes based on the needs from labour market and industry

Date	Activity	Activity	Contet
20.1.2021	Meeting		TACEESM WP1 tasks and deadlines meeting
3.02.2021	Deadline		Q&A – clearing of additional questions about WP1 tasks
12.02.2021	Deadline	ACT 1.1 ACT 1.2	Completion of REPORTS: - ACT 1.1 Analysis of related courses/programmes and practices at EU universities - ACT 1.2 Analysis of related programmes and practices at partner universities
26.02.2021	Deadline		Draft completion: - ACT 1.3 Analysis of market needs
1.03.2021- 5.03.2021	Local workshop (LP1)	ACT 1.3	Choose one day for a local workshop (LW1) where the market needs and created matrix of competences will be discussed locally by each partner country. Completion of REPORT: - ACT 1.3 Analysis of market needs - Report / matrix of competences
10.03.2021	Workshop 1		Presentation and discussion of the reports ACT 1.1, ACT 1.2 and ACT 1.3 on MS TEAMS at University of Maribor. Provision of context for the learning outcomes and ACT 1.4. Completion of the joint reports ACT 1.1, ACT 1.2 and ACT 1.3.
15.04.2021	Deadline	ACT 1.4	Completion of: ACT 1.4 Creation of the learning outcomes based on the needs from labour market and industry

WP2 - Development of new courses in the field of architecture and civil engineering



Lead Organization

University G. D'Annunzio - Chieti-Pescara, Italy



Co - Leader

University of Bihać (UNBI), BiH

WP2 - Development of new courses in the field of architecture and civil engineering

MODERNIZED COURSES

ARCHITECTURAL

1. Computer Literacy in Architecture
2. Architectural Structures
3. Construction material science
4. Architecture
5. Freehand Drawing
6. Contemporary Architectural Discourse
7. Urban Design
8. Architecture Landscape and Technology
9. Multifunctional Space Design
10. Critical Theory/ Culture and Architecture

CIVIL ENGINEERING

1. Construction materials
2. Introduction to engineering informatics
3. Statics in civil engineering
4. Planning and construction of specific road facilities
5. Construction modeling
6. Reinforced concrete and masonry structures
7. Timber and plastic structures
8. Advanced Structural Analysis
9. Advanced Construction Technology and Management`
10. Civil Engineering Materials

WP2 - Development of new courses in the field of architecture and civil engineering

DESIGNED COURSES

ARCHITECTURAL

1. Professional Practice
2. Studies in light and materials
3. Ornament Theory and Design
4. Contemporary Architectural Discourse
6. Techno-Sensation Architecture
7. Green Design and Interior
8. BIM Technology
9. Architectural projection of contemporary construction systems
10. Territory Improvement and engineering development of area
11. Sustainable architecture
12. Project management for architects
13. Contemporary methods of preservation of historical environment

CIVIL ENGINEERING

1. Structural Stability
2. Advanced Structural Analysis
3. Construction Machinery and Equipment's
4. Road maintenance and repair
5. Construction plant and equipment
6. Waste management
7. Operations Research and Linear Programming
8. Computer-Aided Design for Construction
9. Applied Hydraulics
10. Actions on Structures

WP3 - Capacity building - 40 academic staff from partner countries will be trained, new equipment and online platform installed.

Lead Organization

University of Maribor (Faculty of Civil Engineering, Transportation Engineering and Architecture) - UM (FGPA), Slovenia

Co - Leader

National Polytechnic University of Armenia Foundation – NPUA



WP4 - University Enterprise Collaboration - Network between industry and universities, internship program and joint projects will be created.



Lead Organization

University of Malaga, Spain

Co - Leader

UNMO, Mostar, BiH

WP5 - Implementation of new programmes - Modernized and designed BSc and MSc courses implemented, internship and online platform functioning.

Lead Organization

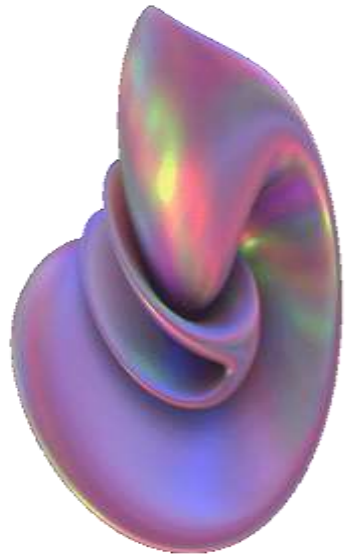
**LEIPZIG UNIVERSITY OF APPLIED SCIENCES –
HTWK Leipzig, Germany**

Co - Leader

The Belarussian National Technical University (BNTU)



WP6 - Quality Control and Monitoring - creation of procedures for quality control and monitoring, internal quality control activities, external quality assurance activities, external financial audit.



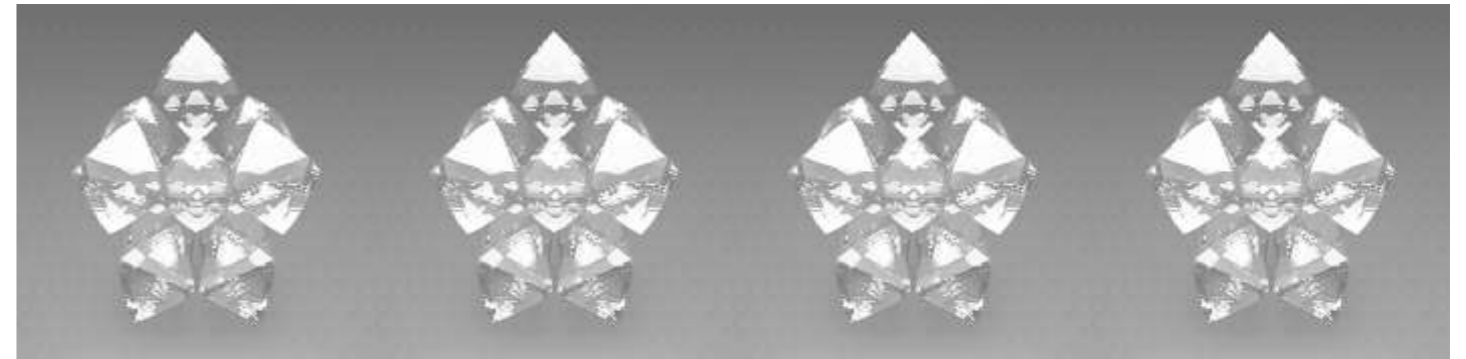
Lead Organization

**LEIPZIG UNIVERSITY OF APPLIED SCIENCES –
HTWK Leipzig, Germany**

WP7 - Dissemination & Sustainability - establishing of dissemination plan, setting up and maintaining project Web site, dissemination activities, final conference, financial and institutional sustainability plan.

Lead Organization

IBU Architecture, Sarajevo, BiH



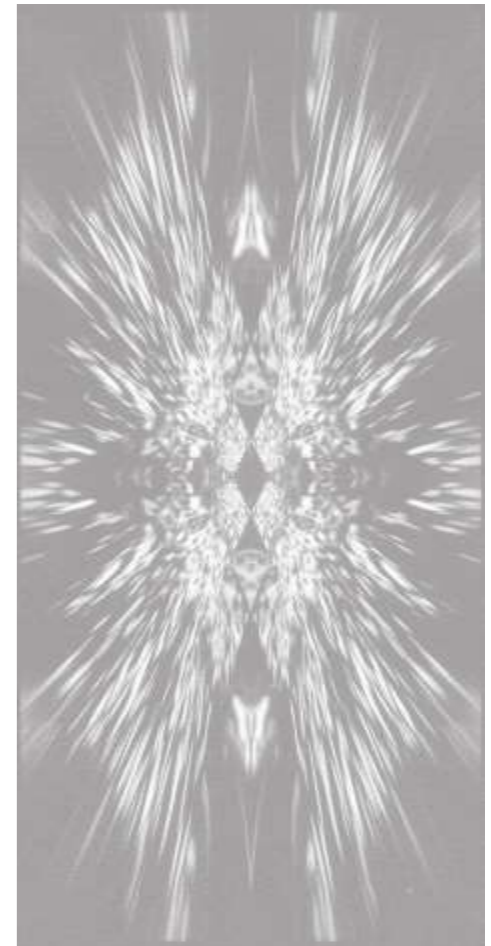
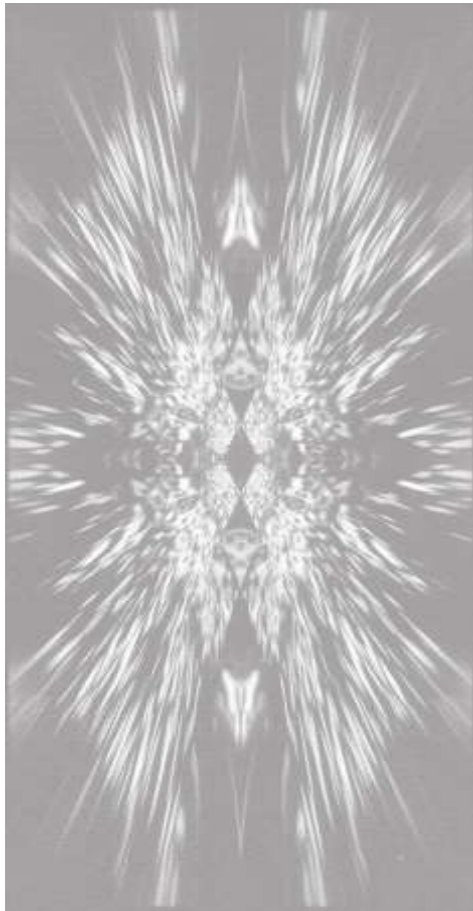
Co - Leader

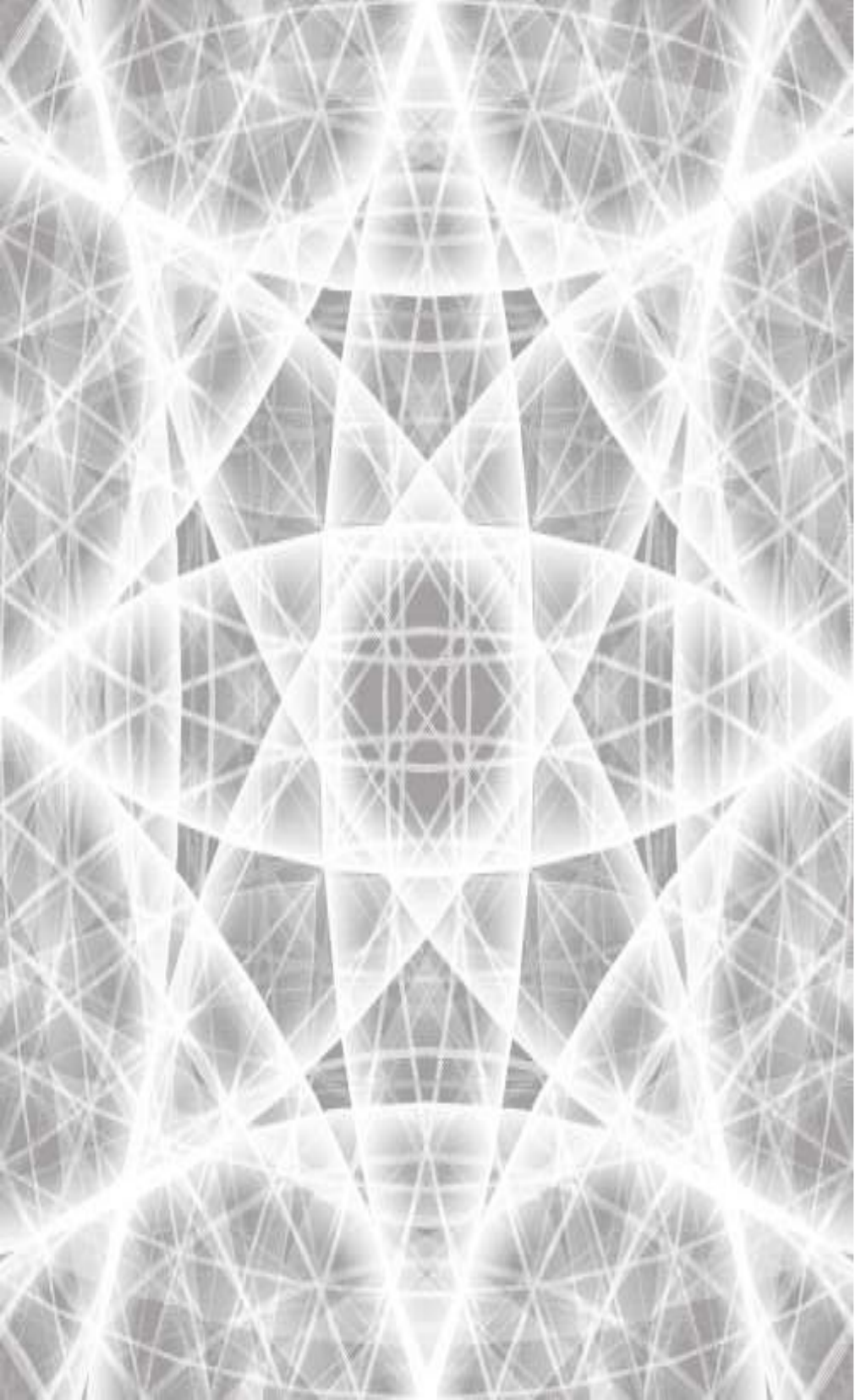
**National University of Architecture and Construction of Armenia
Foundation, NUACA**

WP8 - Project management- led by Ud'A, PM and SC

Lead Organization

**University G. D'Annunzio - Chieti-Pescara,
Italy**





ՀՆՈՐՀԱԿԱԼՈՒԹՅՈՒՆ
ՈՒՇԱԴՐՈՒԹՅԱՆ
ՀԱՍԱՐ

