

# MLUMSE NEWSLETTER #3

July – October 2025

## EDITOR'S NOTE

*Dear readers of the MLUMSE newsletter,*

*We are pleased to present the third issue of the MLUMSE newsletter, where we regularly inform you about project activities. This edition focuses on the activities carried out during the period July – October 2025.*

*The key part of our work in this period was dedicated to the organization of the 1st thematic training in Zagreb and the completion of activities under WP2: Status and Requirement Analysis. We bring you dedicated contributions on these topics, prepared by Prof. Joep Crompvoets (WP2 Leader, KU Leuven) and Iva Cibilić, MSc geod. et geoinfo. (UNIZG-GEOF team).*

*The final section of this issue features our Dissemination Corner and the introduction of one of the MLUMSE project partners. In this edition, you can read more about the MLUMSE team from the University of Alexandria.*

*We invite you to follow us on our social media channels, where you will be regularly updated about all project-related activities.*



*We also encourage you to share your news and announcements with us. Our newsletter already reaches more than 185 recipients, and the number continues to grow each day.*

*You can send your contributions to: [mlumse@geof.hr](mailto:mlumse@geof.hr).*

*Kind regards,  
MLUMSE Newsletter Editorial Team*



## MLUMSE 1<sup>ST</sup> THEMATIC TRAINING, ZAGREB

From 30 June to 4 July 2025, the Faculty of Geodesy, University of Zagreb hosted the 1st MLUMSE theme-based training. Partners from Egypt, Morocco, Belgium, and the Netherlands joined colleagues from the Faculty of Geodesy and Faculty of Architecture, alongside representatives from the Ministry of Physical Planning, Construction and State Property – Institute for Spatial Development. To open access beyond the venue, the full programme was also available online via MS Teams.

Training opened with welcomes from university and ministry representatives, an MLUMSE overview, and a scene-setting block on WP2 – Status & Requirements Analysis (EU policy context, Southern Mediterranean needs, existing curricula, and workshop insights). We focused on the New European Bauhaus (NEB), its sustainability, aesthetics and inclusion through talks and a World Café that translated principles into teaching ideas and studio formats, with concrete ways to embed community engagement and place quality into assignments and capstones. We then turned on smart city development and technology applications, tracing the evolution of “smart” approaches and diving into tools shaping contemporary practice: full-spectrum remote sensing, UAV monitoring, and crowdsourcing with mobile sensors (noise mapping as a case), sessions on urban green infrastructure and principles of sustainability. A New Technologies block connected remote sensing, digital twins for planning and management, open geoinformation in higher education, and GNSS-enabled mobile sensing. Finally, we were able to hear about integrating conservation into urban planning to digital documentation and space syntax in historical contexts. The training concluded with project governance meetings to confirm timelines, quality measures, and the ([... continue reading](#))



## WP2 STATUS AND REQUIREMENT ANALYSIS IS FINISHED

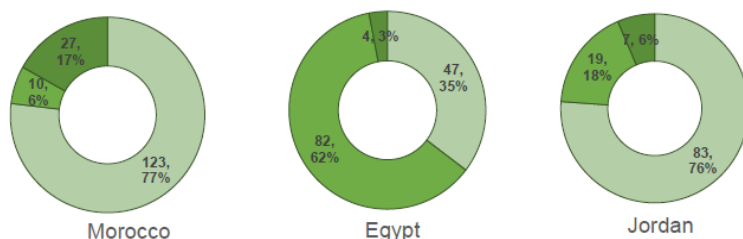
WP2 of MLUMSE project successfully finalized in July 2025. This Work Package (WP) aims to comprehensively analyze the current situation in the Southern Mediterranean in the relevant fields of urban planning and land management in order to identify existing challenges and opportunities. It further assessed the specific needs of partner higher education institutions (HEIs) and their respective countries, ensuring that project activities are tailored to local contexts. In parallel, the project examined what Europe currently offers in the fields, highlighting emerging trends and best practices that can inform future development. To gather broader input and evidence, a survey was conducted among key stakeholders. Finally, the project organized a workshop where the findings of these analyses, along with proposals for curriculum modernization, were presented and discussed with academic and professional experts.

This WP2 consisted of the following tasks:

- T2.1 Analysis of European Union (EU) policies and initiatives on land and urban planning and development
- T2.2 Identifying Southern Mediterranean (SM) land and urban development issues and stakeholder needs
- T2.3 Analysis of EU and SM existing curricula on land & urban area planning and sustainable management
- T2.4 Workshop on innovative approaches and technologies for sustainable land/urban planning and management and future challenges

Task T2.1 provides an overview of numerous global and EU initiatives and policies related to sustainable land planning and management, with a particular focus on urban areas. It identifies key challenges faced by Southern Mediterranean countries, which are grouped into two main categories: challenges related to governance and management, and those associated with urban planning. Furthermore, the analysis highlights two major innovation trends shaping the field: Land Administration through Fit-For-Purpose Approaches and Urban Digital Twins – Data-Driven Platforms for City Planning. These trends are illustrated through examples of successful practices implemented at various administrative levels, demonstrating their practical relevance and potential for adaptation ([... continue reading](#))

■ Architecture and Urban Planning  
■ Geodesy  
■ Engineering, Environment and Others



Stakeholders Domains of expertise across countries

## MLUMSE Team: Alexandria University

Alexandria University (AU) Established in 1938, Alexandria University is one of the oldest and largest public universities in Egypt. Over the decades, AU has become a hub for academic excellence and innovation, serving as a cornerstone for higher education and research in the Mediterranean region. As part of its strategic mission, AU is committed to strengthening its role in society particularly by impacting urban policy-making and creating mechanisms for the co-production of knowledge to develop innovative solutions for complex urban challenges.

The vision for internationalization and sustainable development, Alexandria University actively participates in global research and educational projects, promoting innovation in various disciplines and aligning with Egypt Vision 2030.

### Participation in Relevant Projects

- Climate Change Management through Mitigation and Adaptation (AdapTM)
- Virtual Reality in Cultural Heritage Education (TEMPUS Vir-Cult)
- Capacity Building in Museum Studies (Edu-Must)
- A Bottom-Up Approach for Opening Up Education (OpenMed)
- SEED4NA - Spatial Data Infrastructure and Earth Observation Education and Training for North Africa Management ([... continue reading](#))

