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Erasmus+ Programme  
of the European Union



# Knowledge FOR Resilient soCiEty

## REPORT ON ESTABLISHED LABORATORY

Skopje, January 27, 2020

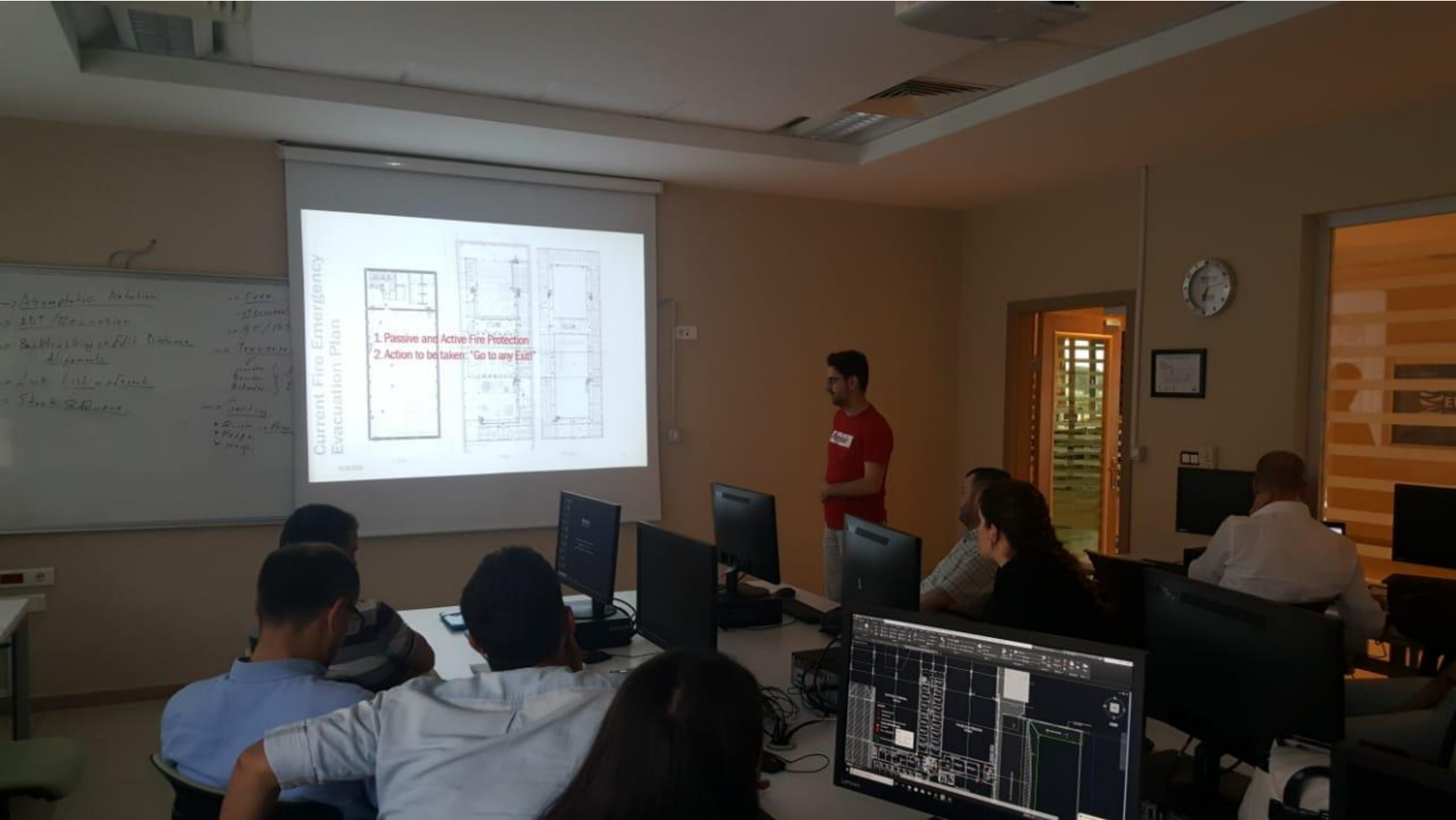
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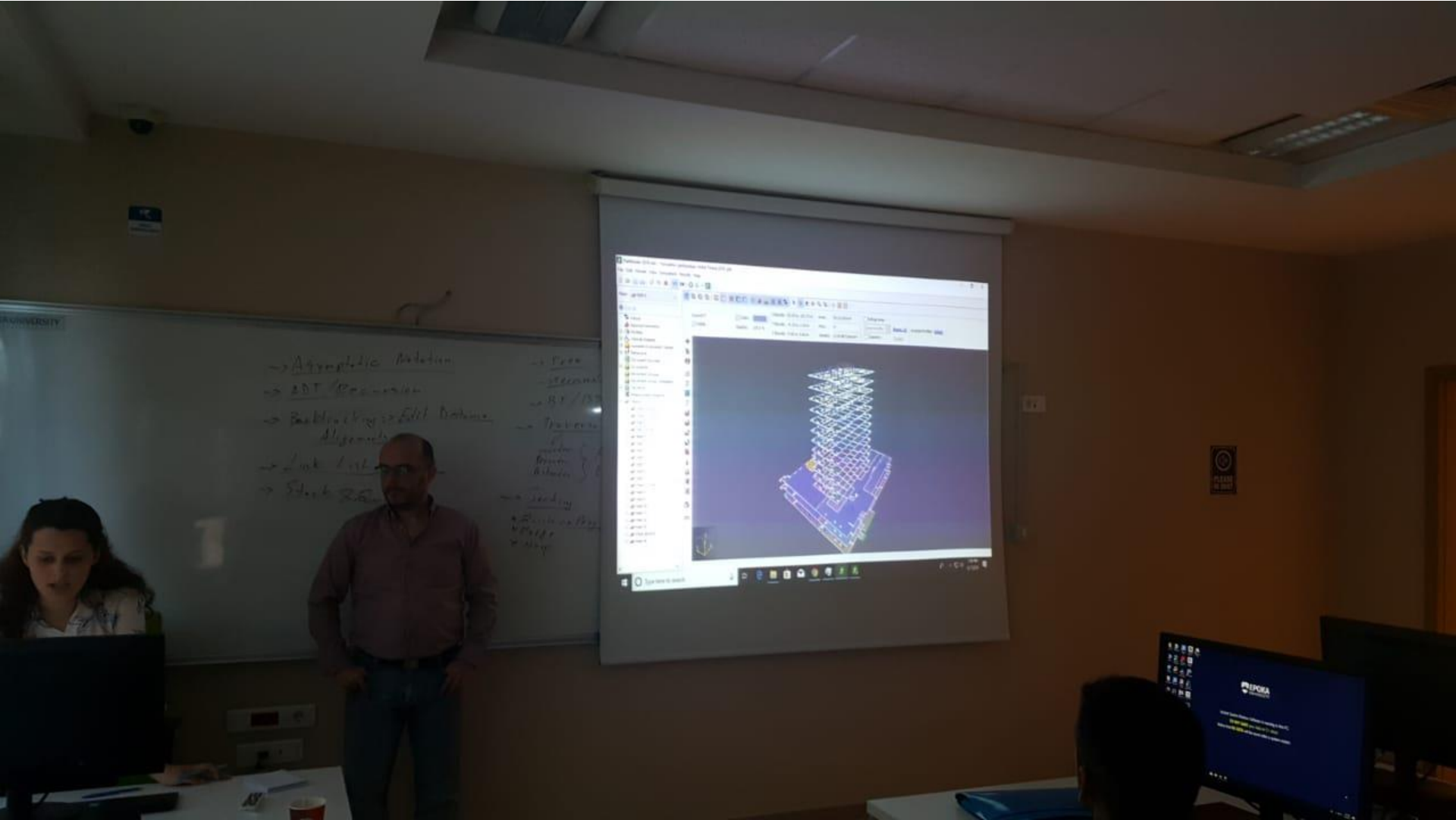
# LABORATORY



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## ***LIST OF EQUIPMENTS***

**PC komputer x 25-** Used for multipurpose tasks and processes of the students and lecturers within the framework of the program Professional Master in DRM&FS at Epoka University including computer-aided analysis and design, programming, and GIS

**Laptop x 6** - Used for multipurpose tasks and processes of the lecturers for presentations, meetings, reports within the framework of the program Professional Master in DRM&FS at Epoka University

**Digital Camera x1-** capturing photographs in digital memory and diagnosing the situation of disaster management and fire safety

**Outdoor Handheld GPS GIS Mapping Data Collector x 1** – to analyses the primary source of Geographic Information Systems (GIS) Data, presented both spatially and geographically

**Video projector x 3** – presentations purposes

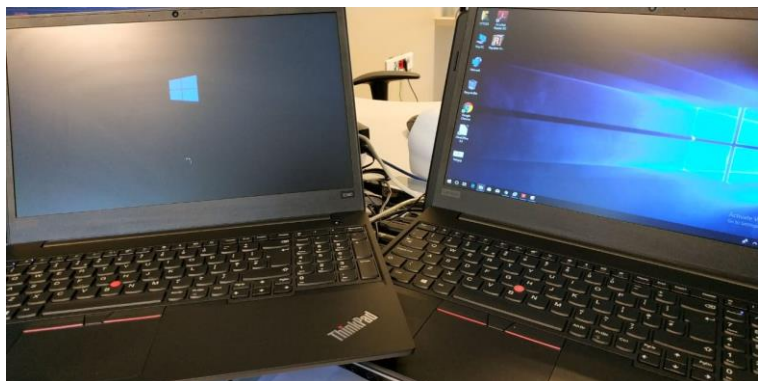
**Router Wireless x 1-** supporting Fast Ethernet integrated into the main SoC.

**Video conference system x1-** enabling the communication over a distance between different researchers (video and audio) in near real-time.





# PHOTOS



# LABORATORY



VIDEO PROJECTOR



ROUTER



DATA COLLECTOR

# LABORATORY AND BOOKS





## Laboratory

- The established laboratory to advance the **effective teaching and learning process** within the framework of the **Professional Master in DRM&FS at Epoka University**.
- Lap provides educational opportunities to improve quality of the offered courses.
- The students/researchers can **access the laboratory daily basis**, during the laboratory/seminar of the courses as well as for independent work (research, study) any time they require.
- The access is made vis their students/researcher Epoka ID (**identity card**).
- The lab is placed on the ground floor of the Building E of Epoka Uni Campus.
- The lab space is for 40 computers used mainly by the students of the Professional Master in DRM&FS at Epoka University.

## **COURSES in DRM&FS**

**Arch451- Landscape Perspectives** in DRM&FS, being delivered within the scope of the program Professional Master in DRM&FS at Epoka University.

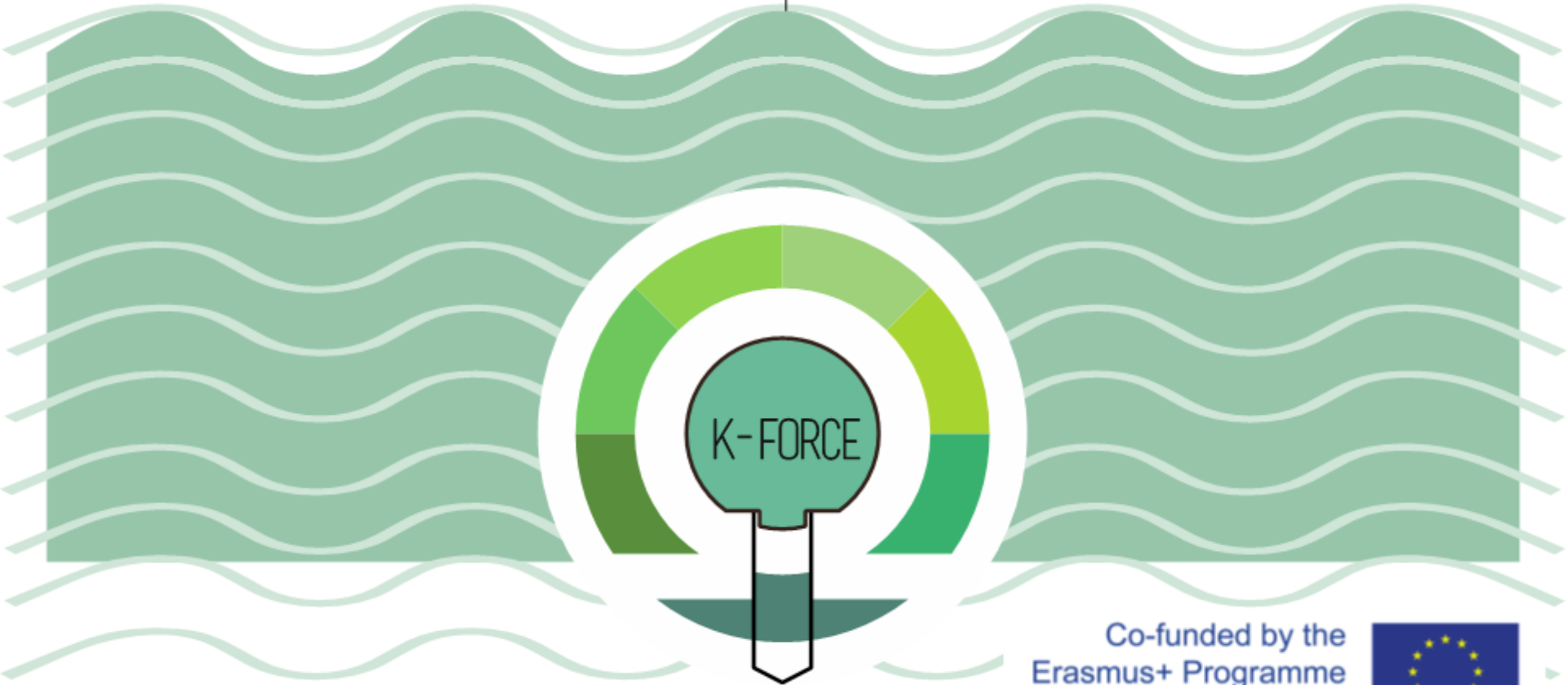
- Specifically, the course is utilizing **QGIS** as an open source software in learning a
- Improving a GIS based methodology of forest fire risk assessment relying on the wildfire ignition probability and wildfire spreading capacity of forested landscapes.

**ARCH 428- Evacuation Calculation Modeling** within the scope of the program Professional Master in DRM&FS at Epoka University. The course syllabus included the used of the computational simulation: Pathfinder installed in the computer lap.

\*For all the other courses, the lap is crucial to help the students write reports and prepare the term and final projects in different application software's (*word, excel, PowerPoint, engineering-related computational software*)

## ***SUSTAINABILITY***

- The maintenance of equipment will be ensured through the **technical support of the ICTC Office** and University Technician Team.
- ICTCO is responsible for the maintenance ICT based Labs, in respect to software and hardware, providing security and ensuring the continuation of its functioning;
- **Periodical assessment** (semesterly) and request for updating/upgrading of equipment;
- **Continuous training** will be supported through partnership and coalitions with public- and private- sector organisations;



Thank you  
for your attention

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