



Ένας Χρόνος EULiST

European Universities Linking Society and Technology

ΕΘΝΙΚΟ
ΜΕΤΣΟΒΙΟ
ΠΟΛΥΤΕΧΝΕΙΟ



Η Ψηφιακή Πανεπιστημιούπολη EULiST EULiST Digital Campus

Έφη Δημοπούλου

Καθηγήτρια

Σχολή Αγρονόμων και Τοπογράφων Μηχανικών
Μηχανικών Γεωπληροφορικής

Leader Task Digital Campus



Co-funded by
the European Union

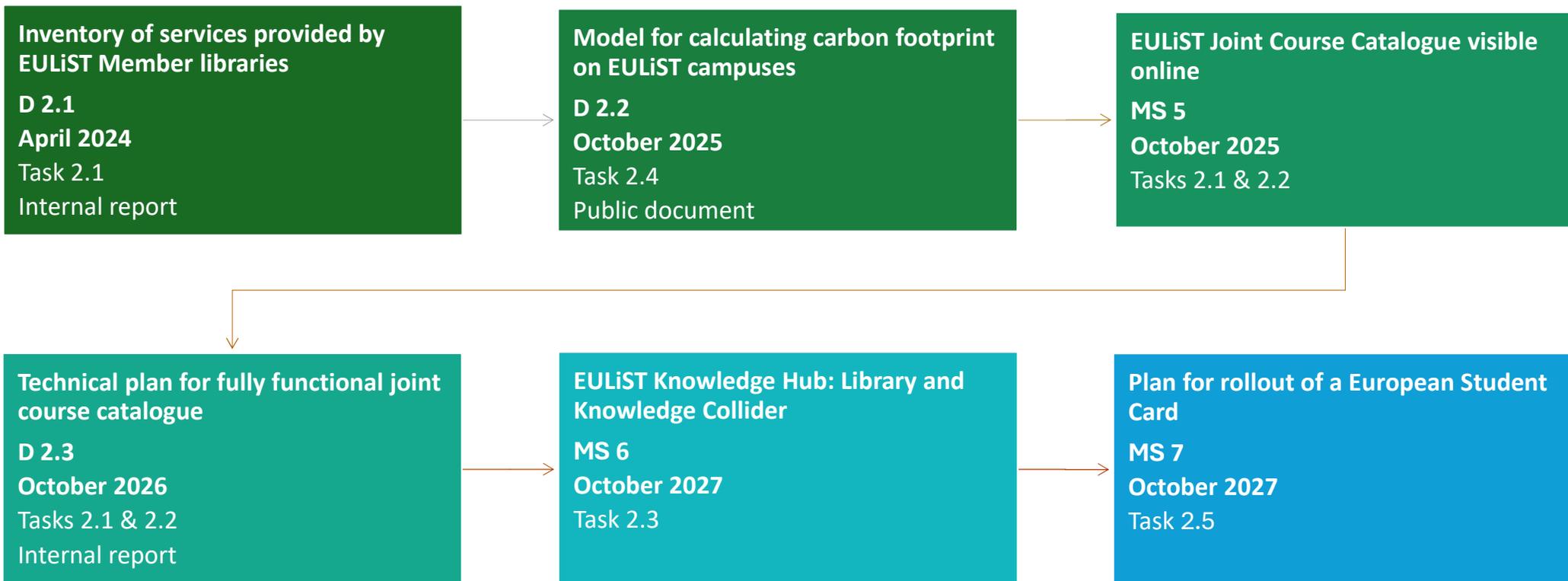


- The EULiST alliance methodologically positions the Digital Campus (DC) at the heart of the alliance's activities and governance. It serves as a **DIGITAL INFRASTRUCTURE PLATFORM** that connects the project's WPs.
- The WP2 consists of five TGs each with dedicated members, activities, and deliverables.
- **COMMON AUTHENTICATION WORKFLOW**: the identification and login of EULiST alliance users is a prerequisite for its operation and collaboration. The immediate goal is to reach 500 users (survey), with a final target of 5,000.
- Next, the **SYSTEM'S ARCHITECTURE...**





Roadmap of deliverables and milestones WP 2





WP 2 KPIs (End-of-Project Targets)

Harmonise student and staff services

Number of benchmarking activities related to student and staff services

Baseline: 2

Target value: 10

Availability of digital services for students and staff

Percentage of University services available within EULiST Digital Campus

Target value: 25 %

Digital Open Course Catalogue

Number of users in 2027

Target value: 5 000

WP 2 KPI with defined interim targets across the Alliance

Integration of all EULiST Members' systems in one user-friendly EULiST Library and Knowledge Hub

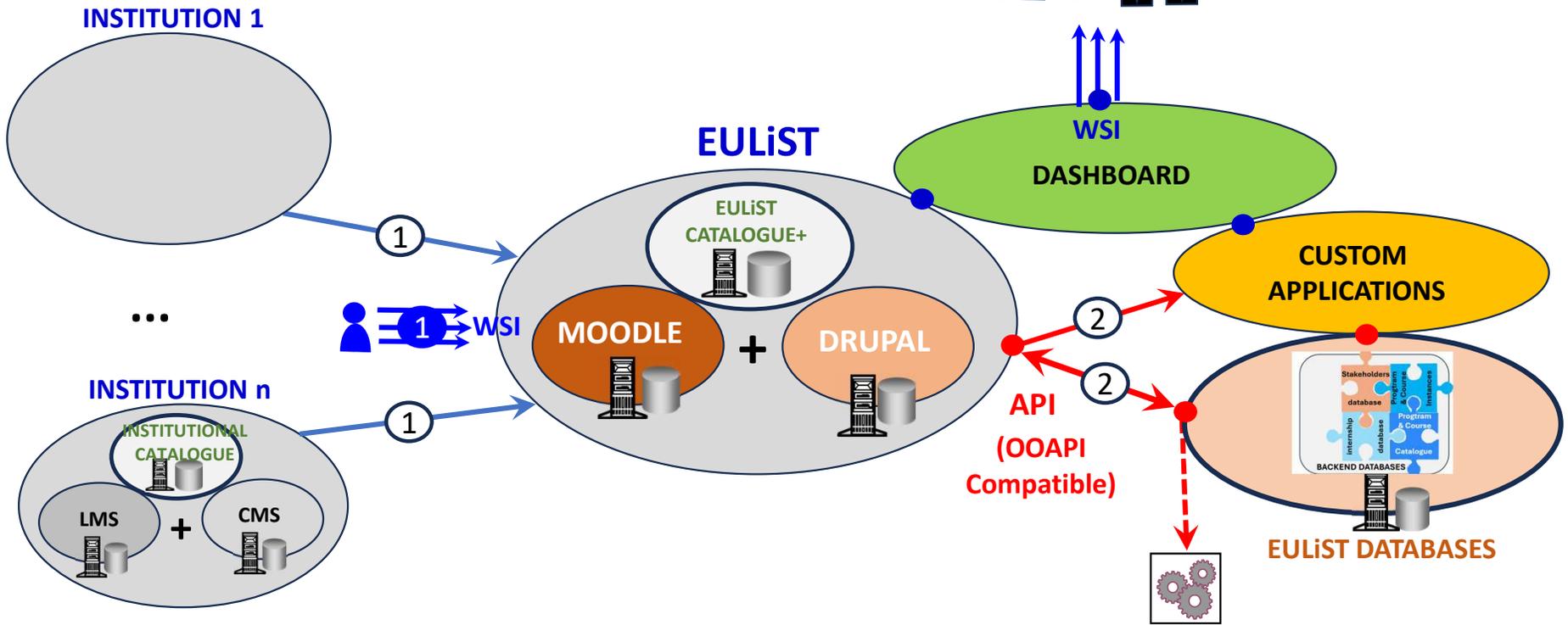
Number of registered users (M12, M24, M36, M48)

Target value: 500, 1 000, 2 500, 5 000



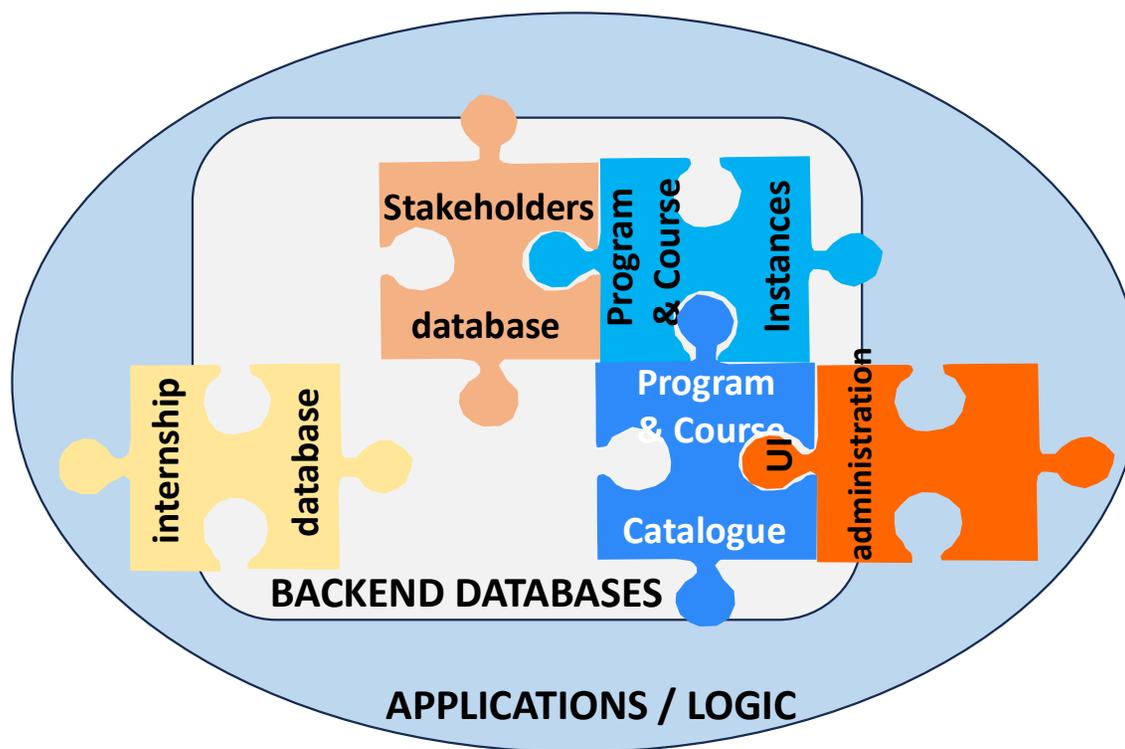


EULiST Course Catalogue+ architecture



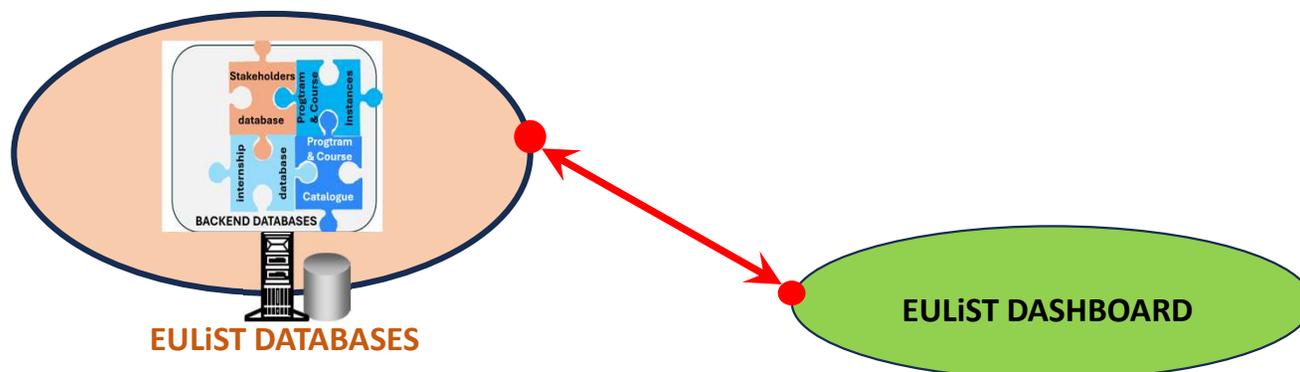


The vision: EULiST Integrated IT platform (N.Mitrou)



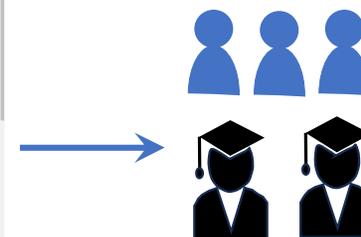
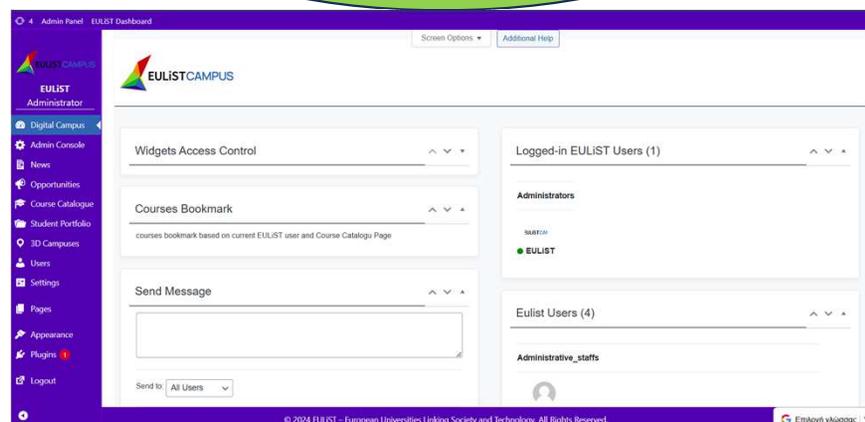
Design and development of an integrated IT system

- Courses are always offered as part of a study program leading to a specific degree
- Exchanging courses between programs offered by different Institutions is a common practice for years, in the **Erasmus framework**. This will continue in a larger scale within **EULiST**
- Students need more information, not just about the content and the general info of the various courses: they need the “**when**” and “**where**”, **enrollment info, assessment results** etc.
- **An IT system providing all this information along with the appropriate management functionality is necessary. It can be developed in parallel with the plain course catalogue to provide a long-term solution.**
- It can also be used to **manage programs and courses** within the individual Institutions, should a similar system not be in place today.
- **Compatibility with** widely used standards and the **ELM** is a must.



Students, Staff, Teachers,
Administrative staff,
researchers etc.

Internship, program &
courses, catalogue,
stakeholder



EULIST DASHBOARD

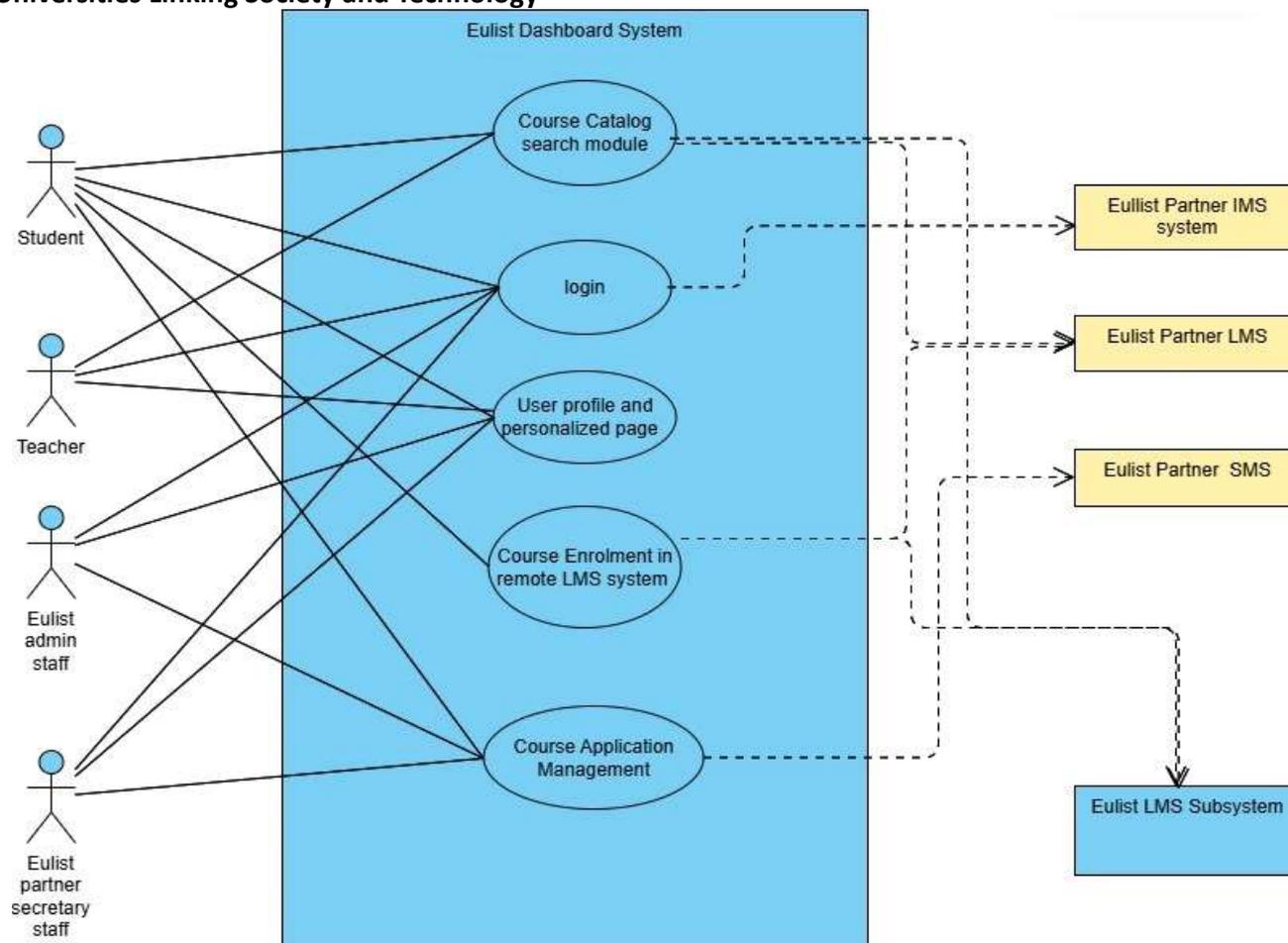
Design and Development of EULiST Dashboard

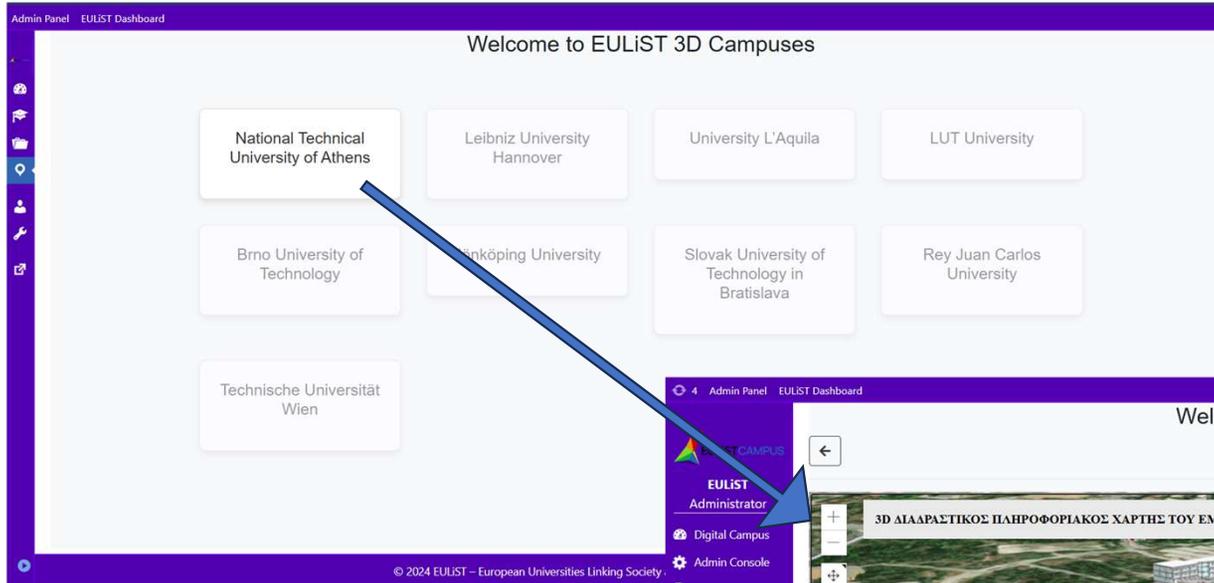
Hub of available EULiST applications (internal or external):





Digital Campus – Use Cases for User Dashboard





Virtual tour of the member universities' campuses

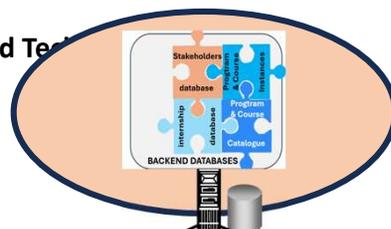
3D CAMPUSES (Use Cases)





COURSE CATALOGUE

Students



- Add/ remove Courses
- Permalink Courses

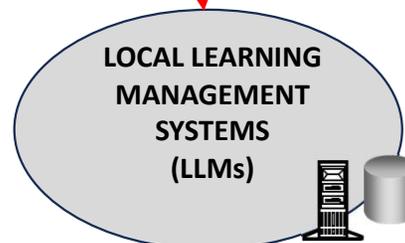


- Available EULiST Courses and programs
- Easy-to-use course enrollment and application submission (LTI standard implementation)
- Course Comparison
- Course reviews and rating
- Bookmark courses
- Browser/filter/search
- Links to Universities course catalogues

Administrative Staff



- Management of Courses and Programs
- Management of Students Applications





COURSE CATALOGUE

Admin Panel EULIST Dashboard

EULIST CAMPUS
Ioannis Pispidikis
Student

- Digital Campus
- Course Catalogue
- Student Portfolio
- 3D Campuses
- Profile
- Tools
- Logout

Courses Links

Course Catalogue

SUBJECTS

- ▶ Mathematics, Natural Sciences 4
- ▶ Engineering Sciences 8

UNIVERSITIES

- National Technical University of Athens 1
- TU Wien 1
- Brno University of Technology 5
- Jönköping University 1
- Leibniz University Hannover 5

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Courses Catalogue

Home > Courses



TECHNISCHE UNIVERSITÄT WIEN
Vienna | Austria

Mathematics, Natural Sciences →
Mathematics → Mathematics

Analysis 1

Bachelor or equivalent

TU Wien



NATIONAL TECHNICAL UNIVERSITY OF ATHENS

Engineering Sciences → Electrical Engineering and Information Engineering → Communication Technology, Information Engineering

DIGITAL COMMUNICATIONS I – Brief Theory and Lab

Bachelor or equivalent

National Technical University of Athens



Engineering Sciences →
Computer Science

Advanced Photography for Beginners – summer

Bachelor or equivalent

Brno University of Technology



JÖNKÖPING UNIVERSITY

Mathematics, Natural Sciences →
Biology → Biomedicine



Mathematics, Natural Sciences →

Users can apply specific search criteria in order to find the desired courses

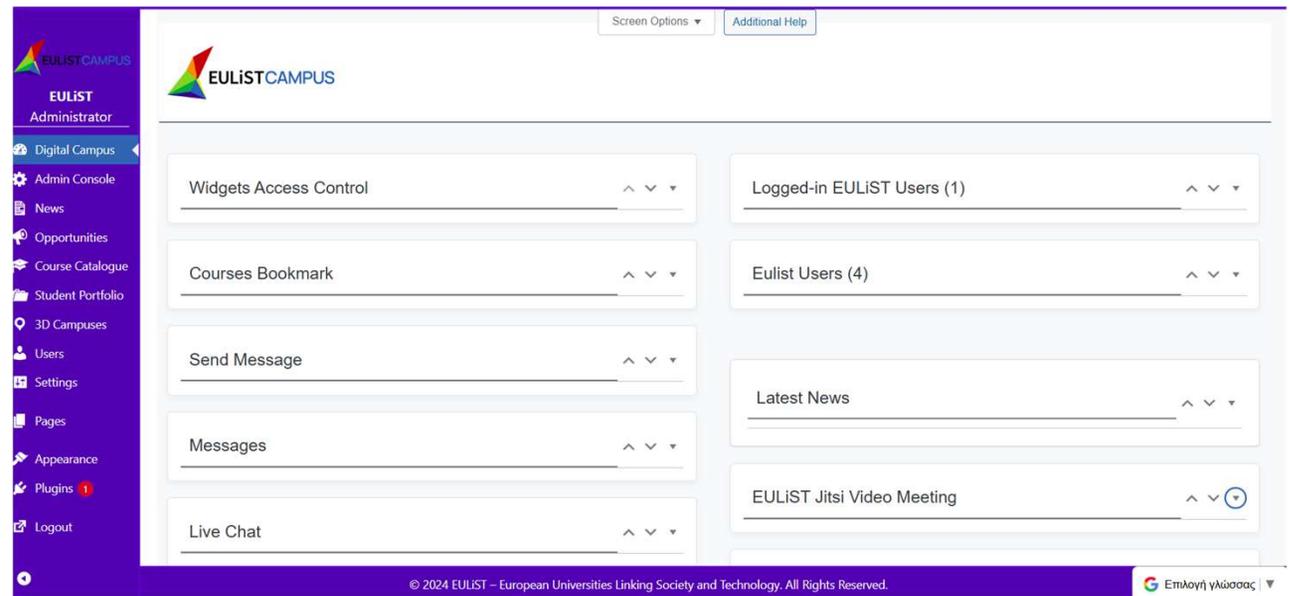




- Latest News
- Latest Opportunities
- Messages
- Course Bookmarks
- Live Chat



- 1 Interactive and configurable (personalized) dashboard
- 2 Role-based accessible widgets



Benefits for NTUA participating in EULiST (1)

International Collaboration

- Access to Shared Resources (course catalogues, programs, academic opportunities)
- Cross-University Programs (Simplified enrollment in courses and programs) → academic mobility and international collaboration
- Course Recognition (Collaboration within the alliance ensures that courses taken at one member university are more easily recognized) → reduce administrative hurdles and enhancing the academic mobility of students

Centralized and Efficient Management

- Integrated Digital Systems
- Data Organizations

Benefits for NTUA participating in EULiST (2)

Promoting NTUA's Excellence

- Showcasing Programs
- Boosting Visibility in European academic and research communities

Alignment with European Standards

- Implementation of international standards such as LTI and ELM → ensuring compatibility with global best practices

Tasks in progress

- 1 Integration of LTI protocol for interoperable access to Local LMSs (e.g. moodle) via dashboard
- 2 Metadata schema of provided courses
- 3 Dashboard design and development considering available use cases
- 4 Internship and Stakeholders databases
- 5 Design of an integrated IT system
- 6 Course catalogue design and development

