



LUMSA
UNIVERSITÀ



LUMSA International Research Center for Artificial Intelligence Management

LICAIM Research Project Summary Sheet

1. Title of the Research Project

LUMSA-AIR Artificial Intelligence Reinforcement Program

2. Synopsis

The project proposes the establishment of an interdisciplinary team on Artificial Intelligence, coordinated by LICAIM – LUMSA International Research Center for Artificial Intelligence Management. The goal is to stimulate, systematize, and coordinate the university's activities related to AI across teaching, research, and administrative services, in alignment with the University's Strategic Plan. The initiative aims to map existing AI-related teaching practices, promote ethical and responsible AI use, and develop faculty development programs. In research, it seeks to identify competencies, foster collaborations, and support participation in competitive funding calls. Moreover, the project focuses on analyzing best practices and designing controlled experimentation of AI-driven tools. Overall, the initiative intends to position LUMSA as a proactive and coordinated actor in the national and international landscape of AI management, enhancing internal capacities while ensuring rigorous, ethical, and high-quality innovation.

3. Objectives

Main Objective

Establish and coordinate an interdisciplinary AI team within LUMSA to enhance teaching, research, and administrative innovation

Specific Objectives

A. Teaching Objectives

1. **Map AI-related teaching activities** across LUMSA, including courses and modules that integrate AI or address its ethical, legal, economic, psychological, and technological implications.
2. **Identify national and international best practices** in AI-enhanced teaching (e.g., automated tutoring, adaptive assessment, predictive learning analytics).
3. **Develop ethical and responsible AI use guidelines** for both faculty and students in the context of teaching and learning.

4. **Design and implement faculty development programs** to train instructors in the conscious, effective, and responsible use of AI tools in education

B. Research Objectives

5. **Census and systematize AI-related research groups and projects** within the University, including methodological, applicative, and impact-oriented perspectives.
6. **Identify and disseminate relevant funding opportunities** (Horizon Europe, PNRR, PRIN, ERC) aligned with AI-related expertise in LUMSA.
7. **Promote the training of researchers and PhD students** in the rigorous and responsible use of AI as a research tool, through workshops, seminars, and dedicated modules.

C. University Services Objectives

9. **Analyze national and international best practices** related to the adoption of AI for university services (administration, communication, student management, psychological support, career services).
10. **Develop a controlled experimentation plan** to pilot AI-based tools aimed at improving the quality, efficiency, and accessibility of LUMSA's administrative and student services.

4. Theory and Methods

Theoretical Framework

The project draws on literature from AI management, digital transformation in higher education, ethical and responsible AI frameworks, and organizational innovation.

Methodology

Research Design: qualitative

Data Collection:

- Document analysis of existing courses, modules, and research projects.
- Interviews with faculty, researchers, and administrative staff.
- Benchmarking of national and international best practices.

Data Analysis: Thematic analysis, comparative analysis, and case study synthesis.

Sample/Cases: LUMSA courses, research groups, administrative units; selected national and international universities.

5. Current Status

Completed Activities

- Definition of the project scope and alignment with LUMSA's strategic priorities.
- Identification of the main thematic areas (teaching, research, administrative services) and development of the analytical framework.

Ongoing Activities

- International benchmarking analysis on AI use in university teaching, research ecosystems, and administrative services (30% completed).
- Refinement of data collection tools and consolidation of relevant sources for comparison.

Timeline Progress

[e.g., 25% complete, on schedule / ahead of schedule / behind schedule]

Preliminary Findings (if applicable)

[Brief summary of emerging results or insights]

6. Next Steps

Short-term (next 3 months)

- Complete the international benchmarking analysis on AI adoption in teaching, research, and administrative services.
- Consolidate analytical findings and structure the comparative framework for the internal assessment.
- Define the data collection plan for the internal mapping activities across departments and administrative units.

Medium-term (3-6 months)

- Conduct the internal mapping of AI-related teaching activities, research projects, and university services.
- Engage academic departments and administrative offices to collect structured information and refine preliminary insights.

Long-term (6-12 months)

- Develop draft guidelines for the responsible and effective adoption of AI in teaching, research, and university services.
- Prepare final reports and recommendations, and outline potential pilot initiatives for AI-enabled service improvements.

Expected Outputs

- Benchmarking report (international comparison).
- Internal mapping report.
- Guidelines for the ethical and responsible use of AI in teaching, research, and university services.
- Recommendations for future implementation and potential pilot projects.

Resource Needs (if any)

At the current stage, **no specific resource needs** have been identified.

Project Lead(s): Laura Michelini

Research Team: Laura Michelini, Valentina Cucino (other people could be identified)

Start Date: September 2025

Expected Completion: September 2026

Last Updated: October 2025