



Escola Superior de Saúde Atlântica

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Type of organisation:

SME	<input type="checkbox"/>	School	<input type="checkbox"/>	University	<input checked="" type="checkbox"/>	Public Authority	<input type="checkbox"/>
Training	<input type="checkbox"/>	No Profit	<input type="checkbox"/>	NGO	<input type="checkbox"/>		

Fields of action :

SMEs	<input type="checkbox"/>	Youth	<input type="checkbox"/>	Universities	<input checked="" type="checkbox"/>	Public Authorities	<input type="checkbox"/>
Equal opportunities	<input type="checkbox"/>	Schools	<input type="checkbox"/>	Unemployed	<input type="checkbox"/>		

Description of the organisation

EIA - Atlântica is a private university institute integrated into the Portuguese Higher Education System, created in 1996 as a public interest institution, is a reference, focused on the creation, transmission and diffusion of knowledge, sciences, and technology through the articulation of studies, teaching, research and experimental development in the areas of Business Sciences, Health, Information Technology and Engineering.

Atlântica has as its founding entity EIA – Ensino, Investigação e Administração, S.A., which represents Atlantica in the legal sphere and in its administrative, economic and financial management and, in general, the exercise of the powers granted by law to the instituting entities of establishments. of private higher education.

Currently, Atlântica integrates the Atlântica Health School and Atlântica University Institute with Management Sciences, I&T and Engineering areas, which can be found at the following link <https://www.uatlantica.pt/> and <https://www.essatla.pt/>

EIA-Atlântica aims to position itself clearly in the European context, both at the level of quality training - also being a reference in research - through proposals and the participation of innovative projects in different areas adapting to the technological and social changes that occur in Europe.

EIA-Atlântica research aims is to be a valuable tool in search of excellence and good practices for progress and development from innovation and social commitment to society. A central objective is to enable students to become professionals with a humanistic and scientific technical approach.

EIA-Atlântica considers the internationalization policies of pedagogical level, as well as scientific research and community services, elements of great importance for the quality of teaching. In this sense, EIA-Atlântica is committed to international cooperation policies in several areas:

- Erasmus mobility program;
- Applied and scientific research with participation in projects and consortiums of European projects (H2020, Erasmus, etc.);
- Publications and presentations of international conferences;
- Provision of services to the community

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The main areas of research and training are:

I. COMPUTER SCIENCE:

- a. Artificial Intelligence and Machine Learning
- b. Data Science and Business Intelligence
- c. Information Systems for Health;
- d. Artificial Intelligence Applied to Health Data;
- e. Natural Language Processing.

II. ENGINEERING:

- a. Materials engineering
 - 1. Modification of the stereo chemical structure of PLA to be metabolized under domestic composting conditions without significant loss of resistance to temperature and barrier properties.
 - 2. Development of conductive polymers for application as gelcoat in composite materials.
- b. Aeronautical Engineering Study through "Process based Cost Analysis" of alternatives of manufacture of aeronautical components, aluminium alloys versus composite materials
- c. Manufacturing Additive
- d. Energy and Environment

III. 4.0 INDUSTRY INTERNET OF THINGS

IV. MANAGEMENT, SOCIAL RESPONSIBILITY AND COMPETITIVE INTELLIGENCE:

- a. Big data and artificial intelligence in the behavioural analysis of consumers and individuals
- b. Organizational Happiness and Occupational Health.

V. INNOVATION ENTREPRENEURSHIP INCUBATORS AND ACCELERATOR STARTUPS

VI HEALTH:

- a. Health Policies and Health Systems Management
- b. Prevention of road crashes in the elderly population
- c. Sociocultural factors in the prevention of chronic diseases of the elderly population
- d. Evaluation of food habits
- e. Characterization of functional properties in food
- f. Nutritional and chronic diseases epidemiology, nutrigenetics and food composition
- g. Environment
- h. Public health and health literacy and others.

Experience of the organization in previous European projects

Since 2019 EIA is involved in several national and Erasmus +KA2 projects. Those increased the practical knowledge of the organization, since all those projects aim to reach different target groups like youth, adults, employees and employers. The staff of EIA has a great knowledge on projects management and can provide added value in all the intellectual outputs of the project. Our staff have developed expertise in training young people within more than 25 years of experience; Developing contents, courses, a training itinerary for young people; Creating tailor-made online training portals and e-learning platforms for projects of inclusion; Creating projects with innovative open specialised educational resources that helped to implement and integrate active and collaborative learning pedagogical approaches, supported by AR. EIA has experience in projects aimed to mainstream the adoption of educational AR apps by assembling a comprehensive overview of available offers, collecting best practices, creating guidelines for educators and developing an online course to deliver those materials. AR is a rapidly growing market amongst the ICT technologies. Atlântica has strong experience in working on European projects as well as a solid experience on Education in Rehabilitation Nursing, where special attention is given to patients with CRD. Our large experience in augmented reality is also an important strength for the project.

EIA integrates different human resources into its organizational structure and with a highly qualified and diverse faculty.

We are a teaching and research institution oriented to different audiences at various times of vocational and professional paths, thus meeting the needs of various target groups and organizations. EIA also actively participates in national and international projects through a well-established network of partners with aims at the principle of excellence, lifelong learning, and the integration of humanistic, organizational, scientific and technological knowledge, as well as contributing to the promotion and



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development of communities, in cooperation with national and international reference entities. Providing services to the community enables the institution's cultural affirmation and provides real-time complementary training for its teachers and students.

Start date	End Date	Position	Name	Number	Coordenador	Pais
01/11/2022	01/11/2024	Coordinator	IHETP - Inclusive Higher Education Training Program	2022-1-PT01-KA220-HED-000086344	EIA - ENSINO E INVESTIGACAO E ADMINISTRACAO SA	Portugal
14/12/2022	14/12/2025	Partner	Prometheus - Promoting Education and Transdisciplinarity Health, Engineering and Unified Sciences	Plano de Recuperação e Resiliência (PRR) para 2021-2026	Universidade de Évora	Portugal
01/12/2022	30/11/2024	Partner	DEED - Digital Environmental Education in VET	2022-1-CZ01-KA220-VET-000088190	ProEduca z.s.	ProEduca z.s.
01/11/2021	01/11/2023	Partner	Flipped VET - Digitalizing VET The Flipped Work Based Learning	2021-1-LV01-KA220-VET-000025117	Baltijas Datoru akademija	Latvia
01/01/2022	01/01/2024	Partner	SOLARIS - Solutions to age related issues in education sector	2021-1-CZ01-KA220-VET-000033227	ProEduca z.s.	Czech Republic
01/11/2021	01/11/2023	Coordinator	N-Pear - New Peer Learning with Augmented Reality Apps	2021-1-PT01-KA220-HED-000032018	EIA - ENSINO E INVESTIGACAO E ADMINISTRACAO SA	Portugal
01/03/2022	01/03/2024	Partner	YHL - Youth Health Literacy	2021-2-MT01-KA220-YOU-000049937	MINISTRY FOR GOZO	Malta
01/11/2021	01/11/2023	Partner	WWW - Wonder Women Works	2021-1-ES01-KA220-ADU-000026571	Fundacion Docete Omnes	Spain
01/11/2021	01/11/2023	Partner	DEMENCIACare	2021-1-TR01-KA220-HED-000027648	Osmaniye Korkut Ata University	Turkey
01/12/2021	30/06/2023	Partner	B4YOU	Projeto 46993 - Portugal 2020	AGILEFACTOR, LDA	Portugal
01/04/2021	31/03/2023	Partner	HOLUP - Holistic Approach for Upskilling Competences of SMEs, VET Institutions and VET Providers for Preparing the Future Works in the Digital Era	2020-1-TR01-KA226-VET-097786	MUGLA SITKI KOCMAN UNIVERSITY	Turkey
01/03/2021	28/02/2023	Partner	CEM - Creative European Methodology	2020-1-NL01-KA227-ADU-083118	Adamob - Holanda	Netherlands
02/11/2020	01/11/2022	Partner	CHART - Cultural Heritage Awareness for Regional Traditions	2020-1-UK01-KA204-079015	Language Link London Ltd	UK
01/10/2020	30/09/2022	Partner	I-THEN - International Technical Higher Education Network	2020-1-IT02-KA203-079561	Fondazione Istituto Tecnico Superiore per le nuove tecnologie per il	Italy

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					made in Italy - Jobsacademy	
01/09/2020	31/08/2022	Coordinator	TSEMY - Training for sustainable employment of youth and young adults	2020-I-PT01-KA202-78621	EIA - ENSINO E INVESTIGACAO E ADMINISTRACAO SA	Portugal
01/11/2019	31/11/2021	Coordinator	BRIDGES - Broadening Positive Reflections on the Issue of Disability, Generating Empowerment for Stakeholders	2019-I-PT01-KA204-061388	EIA - ENSINO E INVESTIGACAO E ADMINISTRACAO SA	Portugal
01/12/2018	30/11/2021	Partner	PEN - Period Empowerment Network	602137-EPP-1-2018-1-NO-EPPKA2-CBY-ACPALA	Terram Pacis	Norway

Experience and Expertise of the organization in the project's subject area

EIA has as its main objective the qualification of students from different study cycles to become professionals of humanistic and scientific-technical conception, active in society, in innovative areas of knowledge, whose importance will be felt in the modernization and development of the country.

Atlântica already has a consolidated track record and is recognized for its high quality, innovative and consistent higher education applied in all the various degrees integrated in its training offer, which are divided into four strategic areas:

- Business Sciences,
- Health Sciences,
- Information and Communication Technologies;
- Engineering Sciences.

Currently in its organic structure, Atlântica integrates three departments of technological/scientific research and organizational development, namely:

- ASIB - Atlântica School of Industry and Business,
- ERCO - European Composite Research Observatory and;
- CESOB - Center for Studies, Society, Organizations and Welfare.

These research units are interdisciplinary and highly specialized in the different areas of action of the Atlântica that integrate the areas of Health, Business Sciences, Information Technologies and Engineering.

CESOB integrates all existing areas of the School, in the field of Social Sciences, Business, Health and Technologies. The Center focuses on interdisciplinary research that can contribute to the quality of life of the population and to human development, from both local and global perspectives. In this sense, it aims to develop national and international research projects in cooperation with other research centers, which allows the real creation of value, thus contributing to a greater competitiveness and sustainability of organizations and to the well-being of their employees.

CESOB's mission is to develop fundamental and applied research in the field of the areas concerned, as well as in related scientific areas, in pursuit of the following objectives:

- Produce scientific knowledge in the scientific areas contemplated in the research groups that compose it;
- Contribute to the training of its researchers;
- Support the dissemination of research results;
- Participate in projects and mark presence in national and international networks for knowledge sharing;



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- Provide consulting services to the community.

EIA is oriented by high standards of excellence and rigor, investing in setting priorities and identifying the key sectors/areas identified as potential economic development factors.

This Innovation and Development strategy is sustained through the realization of research and innovation activities that meet the objectives incorporated in the existing national and international frameworks.

EIA-Atlântica have a highly specialized and multidisciplinary team with specialists, researchers, and consultants in the most diverse areas of activity and with a scientific structure of technological development, well-structured and disruptive in innovative terms with a great articulation and connection to the business market

Contributions that can be provided to the project

Our team can mainly contribute to the following activities:

1. Comparison of the local contexts of the participating countries taking into account: epidemiology, National Health Service organization, management, rehabilitation pathways and rehabilitation structures to verify the development of physical activity programs for patients with respiratory impairments and unmet local needs.

2. Creation of a database of best practices that promote and inhibit physical activity in patients with respiratory impairments

Our researchers are experienced in validating assessment instruments/scales and systematic literature reviews to synthesize evidence.

3. Content development of the e-learning platform for health and physical activity/sports professionals to help them organize physical activities with patients suffering from respiratory disorders and the digital platform for eLearning.

Reasons of involvement in the project

On one hand, respiratory diseases are one of the main causes of death in the world and in Portugal and we teach the master in rehabilitation nursing what could be an opportunity to involve rehabilitation nursing students in this project for the elaboration of their dissertation. Atlantica has a strong experience working on European projects as well as a solid experience in Rehabilitation Nursing Education, where special attention is given to CRD patients. Our experience in augmented reality is also an important strength for the project.

Contact Person's Experience and Expertise

Luis Sousa

PhD in Nursing (UCP). Master in Human Resources Development Policies (ISCTE). Nurse Specialist in Rehabilitation Nursing. Graduated in Health Management. Associate professor at Escola Superior de Saúde Atlântica; Researcher at the Comprehensive Health Research Center (CHRC). Member of the Portugal Center for Evidence-Based Practice: The Joanna Briggs Institute Center of Excellence. Member of the External Evaluation Committee Accreditation (A3ES) in the year 2021 e 2022. Member of the editorial



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board of several journals. Reviewer in national and international journals. He is continuing to carry out research and publications in the scope of Rehabilitation Nursing, Quality of life, well-being, and its relationship with the sense of humor, health promotion, and nursing education. He has published 161 scientific articles in specialized journals, 10 books, and 59 book chapters. As a professor, he is concerned with the transfer of evidence to clinical practice and with the development and implementation of innovative strategies that respond to the needs of students in the various study cycles.

Helena José

PhD in Nursing, Degree in Nursing, specialized in Health Communication and in Medical and Surgical Nursing. President and Associate professor at Escola Superior de Saúde Atlântica and Coordinator of Nursing Degree, President of the Medical-Surgical Nursing Council. Member of the International Society for Humor Studies. She has 20 years of experience in the management of higher education institutions and coordinating courses, such as nursing, master, and doctorate. She created a Higher Education Institution in Angola, of which she was Managing and Pedagogical Director for 6 years. Researcher at Health Sciences Research Unit: Nursing. She is continuing to carry out research and publications in the scope of well-being and its relationship with the sense of humor, health promotion, and nursing education. She has published 77 scientific articles in specialized journals, 21 books, and book chapters. As a professor, she cares about multicultural aspects, also the development and implementation of innovative pedagogical practices, that allow professors to respond to the students' needs, up to their skill's development at any stage of their education.

