



RE-UNITA

**COOPERATION BETWEEN UNITA
UNIVERSITIES AND INNOVATION
ECOSYSTEM - BEST PRACTICES REPORT**



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the European Union

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Re-UNITA Research for UNITA

Cooperation between
UNITA universities and
innovation ecosystem
BEST PRACTICES REPORT



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Preface

The UNITA European Alliance of University has the ambition to build an European university fully rooted in the challenges faced by our societies and capable of providing appropriate responses.

To achieve this, we have identified 30 good practices from the 6 member universities within the Re-UNITA project to demonstrate how they are acting, with their ecosystem, to build up appropriate answers to the sustainable development goals established by the United Nations states' members.

In this "Best practices report", you will read how our universities are working to build bridges between education, research, entrepreneurship and the private sector.

Local, regional and national contexts require our institutions to build adapted and tailor-made structures and tools. Scientific particularities and local research areas also lead some universities to focus differently on specific subjects.

The diversity of practices represents for us a real richness and a great source of inspiration to improve our practices in each of our universities. These ways of working also provide the first steps to build common actions at the Alliance level.

As you may know, the development of partnerships with local actors is at the heart of the UNITA Alliance.

Preface

The specificity of UNITA universities, positioned in rural and mountainous areas, will lead us to implement cooperations with the private sector on a European scale, and to foster these collaborations together. Within the Re-UNITA project as well as the Inno-UNITA project, it is essential for us to provide the best possible support for entrepreneurship and innovation in our institutions, in connection with the research and training that we carry out.

The R&I UNITA Hubs, built around the 3 main UNITA research areas (Cultural Heritable, Circular Economy & Renewable Energies), will be formidable tools to integrate a wide variety of actors in UNITA activities. These hubs, made up of researchers from the 6 UNITA universities, aim to create strong networks around these central themes, and to have additional resources to support broader partnerships.

Thus, beyond this report, you will be able to follow many events and activities dedicated to innovation and partnerships within the UNITA Alliance.

I hope you will enjoy discovering all these practices, and feel free to get in touch with UNITA universities to get involved.

Prof. Frédéric Marias, Re-UNITA scientific coordinator

Université de Pau et des Pays de l'Adour

About Re-UNITA

UNITA Universitas Montium is an alliance of six universities from five countries – all Romance language speaking (French, Italian, Portuguese, Romanian and Spanish). It envisages promoting the socio economic development of their rural and cross-border mountain areas. The EU-funded **Re-UNITA** project is focused on the aim of the alliance, so it becomes a major player in the creation of the new European Research Area.

The Re-UNITA project implements the first steps in order to develop a common research and innovation agenda around three core research topics that are Cultural heritage, Renewable energies and Circular economy. Further actions will also focus on brain circulation and attractiveness among the Alliance territories, sharing infrastructures, reinforcing the cooperation with non-academic actors (including citizens and civil society), knowledge transfer, and developing open science practices.

Re-UNITA is coordinated by the Université de Pau et des Pays de l'Adour (UPPA) involving the whole UNITA consortium (UBI, UNITO, UNIZAR, USMB, UVT).

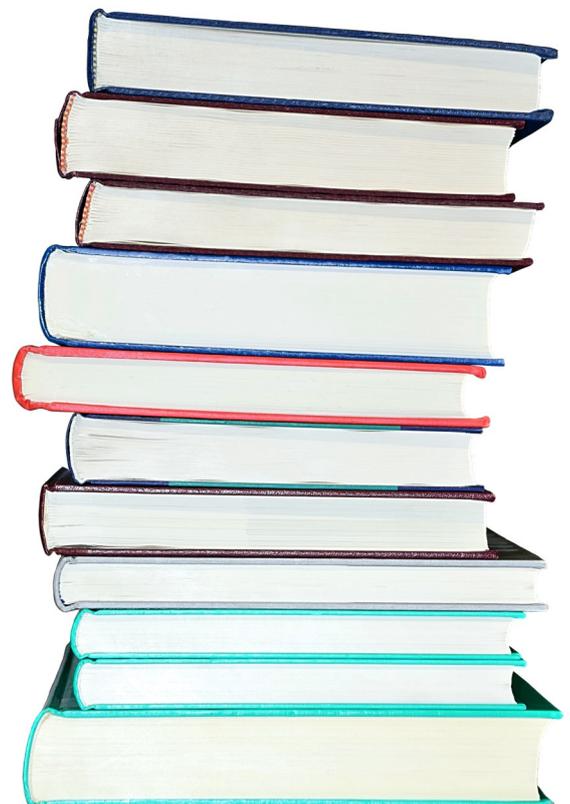


Introduction

The cooperation between academia and business, including the co-creation of new companies based on R&ID developed at UNITA partner universities will help to ensure the economic strength of mountain, cross-border communities. This cooperation will herein be supported in an international cross-fertilization framework that will maximize the know-how of each UNITA partners, this will act as a multiplier for the economic benefit of all.

The main objective of this study was to map the best practices of cooperation between actors of the innovation ecosystem, inside the UNITA consortium.

The six partners of the consortium conducted interviews and collected a set of 30 best practices, detailed in this report.



Methodology

To develop the **mapping of the best practices** inside the UNITA Consortium, each one of the six partners collected 5 best practices of cooperation between actors in the innovation ecosystem. The partners were provided with a template for the collection of data on a organized and uniformized way.

In total **30 best practices** were collected, and are detailed in this report. The best practices were organized according to the type of innovation actors involved in each one, namely: Cooperation between Universities, Cooperation University-Business, Cooperation University-Government, Cooperation University-Society and Cooperation University-Financial Institutions.



PARTNERS' SHORT INFO

Partner's short info



The first steps on the path of what is now the University of Beira Interior (UBI) were given in the 70, when the Instituto Politécnico da Covilhã (IPC) was born, in 1973. The city, once considered "The Portuguese Manchester", by its long tradition, dynamics and wool quality, was struck, in this decade, by an industrial crisis: large and small factories had begun to reveal serious weaknesses that would lead to their closure, with disastrous social and economic consequences for the region.

It was in this panorama, and since the beginning of the activities of the working group for the Regional Planning of Cova da Beira, that the idea to create a higher education institution in the region came up, in order to provide their inhabitants the possibility to pursue post-secondary studies without the obligation to move to other parts of the country, most of the times forever. The old industrial buildings located at the south entrance of Covilhã became, through the recovery of abandoned buildings, a significant part of the Covilhã industrial heritage making the UBI a unique case in the Portuguese University. In the 90s, the University was expanded to the far north of the city, along the Ribeira da Carpinteira. In 2006, the construction of the Faculty of Health Sciences was concluded, thus fulfilling the setup program of the Medicine course infrastructures, which started functioning in 2001/2002.

Currently, UBI hosts more than 8 thousand students spread across five faculties – Arts and Letters, Sciences, Health Sciences, Social and Human Sciences, Engineering – as well as laboratory and research structures to support the teaching process and with strong links to society and to the business world.



Partner's short info



UNIVERSITA
DEGLI STUDI
DI TORINO

The University of Turin is one of the most ancient and prestigious Italian Universities. Hosting over 79.000 students and with 120 buildings in different areas in Turin and in key places in Piedmont, the University of Turin can be considered as "city-within-a-city", promoting culture and producing research, innovation, training and employment.

The University of Turin is today one of the largest Italian Universities, open to international research and training. It carries out scientific research and organizes courses in all disciplines, except for Engineering and Architecture. It is an integral part of the community, acting for reviving urban and suburban areas, promoting cultural interaction, social integration and development, encouraging dialogue and insight into current realities.

The University of Turin virtually covers every field of knowledge; its Medical Diagnostic, Biosensoristics and Nanotechnologies research centers are amongst the best ones in Italy.

Some of the degree courses offered are unique in Italy, such as Military Strategy, Biotechnology, Sport Sciences, Restoration and Conservation (in Venaria).

The University of Turin has a remarkable research tradition in traditional subjects such as history, philosophy, law, economics and medicine but it is currently branching out into important modern sectors, such as food science, social politics, IT, performing arts and communication sciences.

The University makes an active stand on a number of social issues, such as environment, drugs, equal opportunities and rights of people with special needs. It also acts at an international level through partnership arrangements with India, China, developing countries in Asia, Latin America, Eastern Europe, the Mediterranean Area and with a number of international organizations operating in the region.

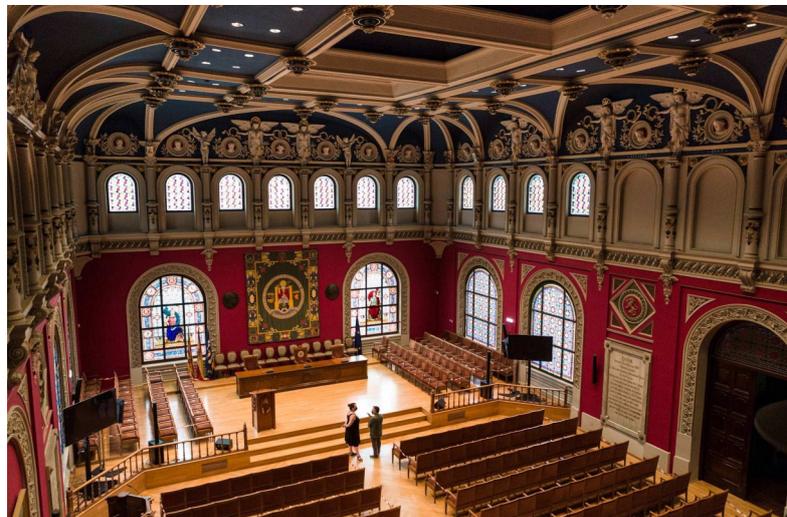


Partner's short info



The University of Zaragoza is a public teaching and research institution whose aim is to serve society. As the largest higher education centre in the Ebro Valley, the University combines almost five centuries of tradition and history (since 1542) with a constantly updated range of courses. Its main mission is to generate and convey knowledge to provide students with a broad education. The University bases its principles on quality, solidarity and openness and aims to be an instrument of social transformation to drive economic and cultural development.

Like other institutions of the past and of other nations, the University of Zaragoza did not suddenly arise, but rather had its beginnings in what were known as the Ecclesiastical Schools. In the city these were later known as the School of Zaragoza, whose guiding spirit in the 7th century was the Bishop Braulio (which is the reason why in modern times he was made the patron saint of our University). Later, references from 1335 indicate there was a School of Arts (known as liberal arts, since the classics included in the "trivium and "quadrivium" were taught there. Between 1474 and 1476 this institution earned the category of General School of Arts, to become a university in the 16th century.



Partner's short info



The University of Pau and Pays de l'Adour has its roots in a local university history dating back to the XVIth century, with the creation of a Collège des Arts (an institute for Humanities) in 1549, and then of the third protestant academy in Europe in 1564, which in 1583 was established as a University. The University was done away with when the Béarn region was incorporated into France in 1620. A century later, in 1722, a new Universitas Bearniae was created. It was first comprised of a Faculty of Arts and Humanities and a Faculty of Law, to which a Faculty of Theology was added in 1780. This University disappeared during the French Revolution, in 1792.

UPPA prepares more than 13,500 students to obtain a hundred or so degrees in law, economics, management, literature, languages, human sciences, sport, science and technology.

With 19 research units, 34 high-level expertise chairs and 9 common labs in association with major research organisations (CNRS, INRAe, Inria) and institutional and industrial partners, UPPA is a major player in the scientific and economic development of southern Aquitaine.



Partner's short info



With 15,000 students, a rich and multidisciplinary offer of academics and 18 internationally recognised research laboratories, Université Savoie Mont Blanc (Chambéry) is an institution on a human scale which combines proximity to its territories and a wide opening to Europe and the world.

Between Geneva, Turin, Lyon and Grenoble, on the borders of Switzerland and Italy, with the unfailing support of the communities that gave birth to it, it is a territorial, regional and cross-border player, a major player in social, economic and cultural development.

It offers both short (University Diplomas, University Diplomas in Technology) and long (Bachelor's, Master's, Doctorate and also Engineering Diplomas) courses, whether academics initial, academics continuous, work-study or Validation of Acquired Experience (VAE), on site or at a distance.

On its three campuses, Annecy, Le Bourget-du-Lac and Jacob-Bellecombette, Université Savoie Mont Blanc offers particularly attractive study conditions in the heart of an exceptional environment. Everywhere, in this structured multipolarity, students find personalised follow-up, support in the definition and development of their personal projects and the assets to succeed in their integration into working life. Each and every one of them will appreciate, in their quest and according to their pathways, competence, requirement, relevance, recognition and resonance.



Partner's short info



The establishment of the West University in Timișoara was a long and complicated process. It was done in stages, in a political, social and economic context internally and internationally marked by the Second World War and the territorial re-settlements caused by the loss of Bessarabia, Northern Bukovina, and the Herța region (in the North) as well as the Cadrilater region (in the South).

UVT is the main higher education institution and research center in Western Romania. Its community comprises roughly 16000 students and over 700 academic staff. It is a comprehensive university including 11 faculties with their respective departments, as well as a Department of Teacher Training.

The faculties functioning within the framework of UVT offer nationally accredited study programmes at Bachelor, Master and Doctoral level in the following subject areas: Arts and Design; Chemistry, Biology, Geography; Economics and Business Administration; Law; Letters, History and Theology; Mathematics and Computer Science; Music and Theater; Physical Education and Sports; Physics; Political Sciences, Philosophy and Communication Sciences; Sociology and Psychology.

West University of Timisoara offers students the opportunity to combine theoretical and practical knowledge, in a multi- and inter-disciplinary environment, preparing them to enter a globalized labor market. With more than 5% of the student body being international, the university is intensively involved in processes of internationalization with our faculties offering over 20 study programmes in foreign languages (English, German, or French) at Bachelor, Master and Doctoral level.



BEST PRACTICES

BEST PRACTICES

COOPERATION BETWEEN UNIVERSITIES

ISIFoR, CARNOT INSTITUTE



ISIFoR, a Carnot institute since 2011, is a group of 11 public research laboratories, 820 FTEs including 420 PhD students and post-doctoral researchers, eight parent institutions, in a network among Anglet, Bordeaux, Pau and Toulouse, with a solid know-how base and multi-disciplinary competencies.

8 out of the 11 of its laboratories depend on the UPPA.

The UPPA is the main parent institution of ISIFoR and coordinates the Carnot institute.

ISIFoR, CARNOT INSTITUTE



TEAM INVOLVED



- ISIFoR is a dedicated team of five people;
- 11 public research laboratories;
- Scientists (researchers, research professors, engineers, technicians, PhD students, etc.) and public research institutions (e.g. Universities, CNRS, INPT, IRD, etc.);
- The French Ministry of Higher Education and Research;
- The Carnot institutes Association (Ai Carnot);
- External stakeholders: socio-economic actors, mainly companies (both SMEs and major groups) concerned with the challenges in the energy transition, but also competitiveness hub (e.g: AVENIA for the subsurface industries).

OUTPUTS



- federates academic research focusing on subsurface energy and environmental stakes in South West France
- gives advice and guidance to French and international companies on their R&D projects dedicated to sustainable geosciences engineering
- develops public-private sector research partnerships on the sustainable usage of the subsurface: georesources, underground storage (energy and CO2) and deep geothermal energy

BEST PRACTICES IDENTIFIED

- ISIFoR has therefore defined a roadmap based on four socio-economic challenges. The institute aims to foster, through innovation, the development of French companies across: – the improvement of the environmental performance about georesources exploitation, – the ecology and energy transition by lowering the carbon intensity.
- ISIFoR is also certified ISO 9001:2015 for the management of research projects since December 2014.
- Partnerships with university laboratories give companies access to specific competences and unique laboratory resources. The research conducted by our laboratories combines scientific quality and innovation for the benefit of society and the business world.
- Thanks to the development structures of its parent institutions, the institute benefits from solid experience in implementing different types of partnerships and therefore proposes the necessary legal and technical competencies. Competent and responsive teams constantly ensure rapid and fair negotiations.
- ISIFoR agrees to process partners request with the utmost confidentiality.





SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education and climate action. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. Climate action is a goal involving the fight against climate change and its impacts. Rising greenhouse gas emissions, an average global temperature increase, and increased spending due to climate change are all negative results of climate change.

USMB ENTREPRENEURSHIP



The USMB entrepreneurship program aims to support students who have business creation projects. This support can take several forms:

- The entrepreneurship course, which provides weekly coaching (one afternoon per week) so that students can work on their business creation project. This coaching is done in conjunction with local business incubators.
- The status of student-entrepreneur, which is intended to reinforce the support of students and young graduates who wish to set up their own business and allows: the recognition of the business project, networking with the actors of the entrepreneurial ecosystem (support, financing, accommodation), support from two tutors: a teacher and an external advisor, study facilities, access to the co-working space in business incubators, access to the entrepreneurship program, access to a degree dedicated to entrepreneurship.

USMB ENTREPRENEURSHIP



TEAM INVOLVED



- Local Business Incubators

OUTPUTS



- Start-up creation

USMB ENTREPRENEURSHIP



BEST PRACTICES IDENTIFIED

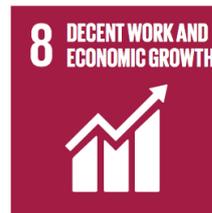
The Student-Entrepreneur Diploma is an innovation created to enhance the career of student-entrepreneurs. Its objective is to provide skills and resources to the student-entrepreneur in order to help them build their project during the year. The content of the diploma favors learning by doing, relies on digital educational resources and provides the young project leader with co-supervision by teachers and professionals through coaching/mentoring offered by the support partners.



USMB ENTREPRENEURSHIP



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education and decent work and economic growth. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important.

BEST PRACTICES

COOPERATION UNIVERSITY-BUSINESS



The BIOHEALTH Gear Box Alliance (BIO-ALL) project was founded to enhance the development of **entrepreneurial skills** that are not effectively structured and inserted into the education curricula of schools and universities, although they are especially needed in sectors where entrepreneurs and businesses find more obstacles to accelerate to commercialization, like the **Biotech and health** related industries.

Bio-All emerged following the detection of the lack of customized tools for the health sciences sector related to the acceleration of start-ups and the creation of learning for entrepreneurs, which are very necessary tools. This sector requires a set of **customized tools**, which did not exist at the time, because in this sector **businesses grow at a completely different pace** than businesses in other areas (such as engineering, computer science, or social sciences and humanities), since they have, for example, **regulations and ethical issues** different from other businesses and completely specialized product design.

13 PARTNERS





STAKEHOLDERS INVOLVED



- Academia Professors
- Academia Staff
- Academia Students
- Startups and Spinoffs
- Chambers of commerce
- Technology Transfer Offices
- Technology Based Ventures
- Incubators and Accelerators
- Innovation Centres
- Science and Technology Parks

OUTPUTS

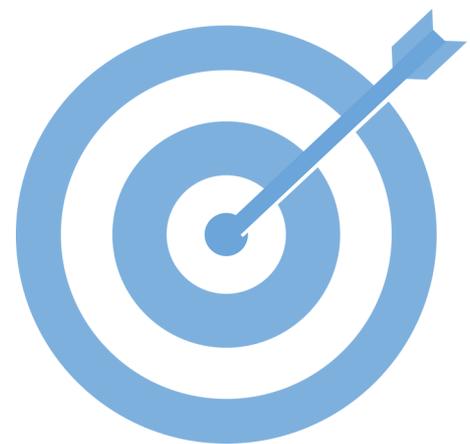


- BIOHEALTH Gear Box Blueprint **“Driving Innovation and Entrepreneurship through the BIOHEALTH Sector”**
- International Joint Post-Graduation **“Advanced Skills for Innovation and Entrepreneurship in the BIOHEALTH Sector”**
- International Joint Accelerator Programme **“BIOHEALTH Gear Box Business Accelerator”**
- BIOHEALTH Gear Box Hub (**“Virtual Network for Entrepreneurs and Innovators in the BIOHEALTH Sector”**)



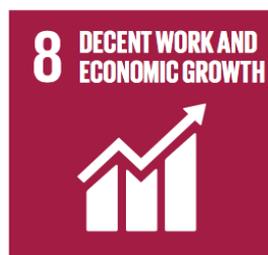
BEST PRACTICES IDENTIFIED

- Through BIO-ALL, it was possible to understand the value of good cooperation with partners. The exchange of good practices is of extreme importance, as it allows all partners to learn and grow with the knowledge of one another.
- The coordinator of the project, Dina Pereira, mentioned that "as it was a very large project and we were able to research and survey the needs of the demand, i.e., of investors and innovators in the sector, we somehow managed, in terms of learning and added outputs, to improve our daily tools, which we use in incubators and accelerators, or that we use in the universities involved in the project, to support entrepreneurship in the sector".





SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **substantial implementation of the SDGs** identified as they were always present, either in the design of the proposal or in the implementation of the project partnership itself.

"BIO-ALL leveraged the mission of fostering entrepreneurship in the biohealth sector"

Dina Pereira, UBImedical's manager



SCIENT is a pilot project, prepared by an international consortium of fifteen partners (including universities and companies), which was put into practice in eight different European countries: Portugal, Spain, UK, Germany, Lithuania, Italy, Malta and Cyprus. This pilot project includes an innovative pre-acceleration program and a one-week internship (national or international), which allows researchers, mainly Ph.D. and Ph.D. students, in the STEM (Science, Technology, Engineering and Mathematics) areas, to prepare their research projects for the market.

The European Union needs researchers who not only discover new things, but also transfer their knowledge to others for social and economic benefit. SCIENT intends to contribute by providing perspectives outside the ivory tower of research, developing transversal skills and providing new career paths for researchers in these fields.



PARTNERS INVOLVED



ACADEMIC

- University of Beira Interior – UBI (Portugal);
- European University Cyprus – EUC (Cyprus);
- University of Gloucestershire – UOG (United Kingdom);
- Kaunas University of Technology – KTU (Lithuania).

BUSINESS

- Grantxpert Consulting Ltd (Cyprus, coordinator);
- Fundación Empresa Universidad de Alicante/ FUNDEUN (Spain);

- Chrysalis Leap Ltd (Cyprus);
- Covilhã Science and Technology Park/ PARKURBIS (Portugal);
- Institut Für Sozialwissenschaftliche Veratung GmbH/ ISOBGmbH (Germany);
- SPS, Clusters for the Sensors Industry (Germany);
- CyBAN Cyprus Business Angels Network (Cyprus);
- Paragon Europe (Malta);
- Aster (Italy);
- CESIE (Italy).

COMMUNICATION

- Signalive (Cyprus).

OUTPUTS

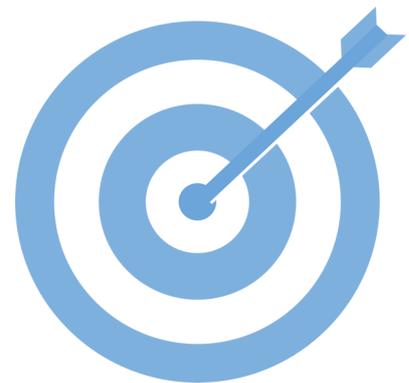


- Current state of the art and needs' analysis
- State-of-the-art teaching methods and techniques on entrepreneurship education for PhD students/graduates
- Transfer of best practices from North EU countries that have long-term experience in entrepreneurship and accelerator programmes to South EU countries
- Entrepreneurship Academy and Business Competition in Cyprus



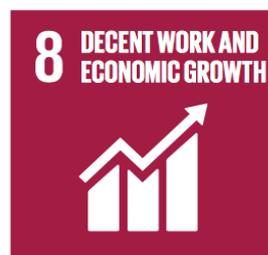
BEST PRACTICES IDENTIFIED

- By identifying the strengths, weaknesses, gaps and best practices of existing entrepreneurship programmes, a unique and top quality programme will emerge. Currently there is no such programme in the EU. This will be pilot tested in 7 countries (CY, PT, ES, IT, LT, UK, MT) and offered to interested stakeholders once finalized.
- Professor Mário Raposo, UBI's rector, said: "one of the things I always tell people and young researchers, etc. is that to do a project like this we can never be alone and networking is fundamental. One of the good practices that I think is learned in these projects is that networking with teams from several countries, multidisciplinary, with different cultures, with different ideas is very important to obtain good results. And this allows that and reinforces the European spirit in all of us and that is very important."





SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **substantial implementation of the SDGs** identified as they were always present, either in the design of the proposal or in the implementation of the project partnership itself.

"We are increasingly promoting more and more internally and we have even created in several courses and several curricular units for the transference of entrepreneurial skills"

Mário Raposo, UBI's Rector

The SPRING project aims to contribute to the improvement of family businesses by studying the issue of succession planning in family businesses, helping to define the succession strategy and training the new generation to take over the local business, thus ensuring business continuity for the next generations.

This project aims to provide training, tutorial, support and guidance in the areas of:

- Business succession and continuity, taking into consideration multidimensional factors (leadership, management, governance, legal issues), through success and failure cases
- Growth and internationalization strategy, based on innovation and regeneration
- Development of entrepreneurship across generations, promoting a start-up culture and growth mindset within family businesses
- Inclusive and responsible family businesses, act to ensure not only the adoption of Social Responsibility practices, but also the full cycle, maximizing value creation for all involved, promoting inclusive entrepreneurship among members of the next generation and women leaders

As a main activity and outcome, this project aims to design and conduct an innovative and practical training and consulting program, the first of its kind in Europe.

PARTNERS INVOLVED



Universita degli Studi di Palermo, Italy	William Battle Learning Limited, United Kingdom
GrantXpert Consulting, Cyprus	ABB Training Center, Germany
EDHEC BUSINESS SCHOOL, France	KEDIA International Ltd, Malta
Universitat de Valencia, Spain	European Family Businesses, GEIE, Belgium
University UCLan Cyprus	
Universidade da Beira Interior, Portugal	CYBAN Cyprus Business Angels Network Ltd, Cyprus

OUTPUTS



- **SPRING Mobile App:** A self-assessment tool for business owners, managers and successors to assess their needs and challenges in terms of succession planning and strategic growth planning
- **SPRING self-assessment matrix:** This tool helps in the interpretation of the results obtained in the previously mentioned application
- **SPRING training handbook:** This resource is a practical manual, filled with case studies, practical tools, and challenges, which aims to guide the reader through the process of designing a succession strategy appropriate for each family business

BEST PRACTICES IDENTIFIED

- This project aims to promote networks between researchers and businesses in order to analyze the problem of succession in family businesses, offering a complete package of training, coaching, mentoring, support and guidance in the areas of continuity, internationalization, growth, and entrepreneurship.
- Arminda do Paço mentioned that "the lessons learned have a lot to do with the need for planning, because planning is fundamental in succession. Another issue has to do with continuity planning, because it only makes sense to think about a successor for the family business if you simultaneously think about the continuity of the company."
- Marina Malhão mentioned "the proximity, to see how committed the university is with this kind of projects and with the family business part, to see the room full with students, teachers and entrepreneurs, to see the commitment of these same entrepreneurs, students and teachers in this theme, that without the support of this kind of projects would not have been possible and that is to be highly valued. "





SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **internal adoption of the SDGs** identified.

"One of the lessons learned is that the issue of leadership is fundamental to give continuity to the business, as well as to come up with strategies that promote the maintenance or growth of the business, for example expansion through internationalization."

Arminda do Paço, President of the Social Sciences Faculty at UBI

The InovEP project aims to characterize extracts from 10 aromatic and medicinal plants with regard to the chemical profile, safety and bioactivity of their extracts; and to develop, at the company promoting the project, using two of these extracts, a prototype of an innovative patentable product with crack healing action.

The InovEP project will leverage the economic valuation of the extracts studied as active ingredients of innovative pharmaceutical products in international economic markets, with demanding quality criteria, such as the pharmaceutical industry. The innovative product developed by Labfit in the scope of this project, which is an objective of the project, will be protected in the form of an international patent (PCT) in order to sustain its valuation in the process of international licensing of its industrial property.

PARTNERS INVOLVED



Labfit (HPDR - Health Products Research and Development, Lda.) is a company specialized in providing services in quality control and product characterization, as well as research and development of pharmaceutical products.

CICS - UBI (Health Sciences Research Center of the University of Beira Interior) is a multidisciplinary R&D unit in health sciences, whose mission is to conduct high quality basic, applied and translational biomedical research, to offer advanced training opportunities and scientific careers, to promote community education, and to transfer knowledge to biomedical industry and society.

IPCB (Polytechnic Institute of Castelo Branco) has installed R&D capacity to collaborate with business and institutional partners, in a wide range of areas, since it has duly qualified human resources with skills to provide specialized services and the development of research and technology transfer.

OUTPUTS



- Collection and systematization of scientific and technical information on the plant species included in the study
- Determination of the chemotype of the plant extracts
- Determination of bioactivity of plant extracts
- Determination of the safety profile of plant extracts
- Development of 1 prototype incorporating two of the studied extracts
- Stability studies and construction of product dossier for the developed prototype

BEST PRACTICES IDENTIFIED

- The structure created in this consortium and reinforced by the national and international scientific consultants included in the project, supports the strategy of bridging the weaknesses identified in the Portuguese economy in terms of cooperation between companies and entities in the R&I system with technology and knowledge transfer that have favorable effects on the value chain for the creation of new products in a dynamic of cooperation and reinforcement of competitiveness and international insertion.
- For Ana Palmeira "from the point of view of project management, it is very important in these projects that we have an advanced administrative person dedicated to the project who manages all the processes, and this person cannot be funded in these projects, which is a difficulty."
- Sónia Azevedo highlighted the "issue of bringing research and development closer to the business fabric and we, as a business association, can be an interface aggregator entity that passes on research and development information and creates economic value to what is developed in this research area".





SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **substantial implementation, both at internal and external level.**

" [...] if we manage to make the interface between companies, universities and the scientific and technological system, things really work, and then the Business Associations, which have the ability to bridge the gap, can be a good element in these projects."

Ana Palmeira, Labfit's CEO

The RENEwAL project aims to define and promote a new set of knowledge, skills and competencies for Real Estate occupations.

The main objective is to tackle a specific skills gap by integrating Health & Wellbeing knowledge in the Vocational Education and Training (VET) of Real Estate Managers for the development of innovative and profitable solutions in Workplace Management. This will be achieved by designing, testing and delivery of a European Pilot VET Programme, (RENewAL learning programme), targeting new graduates and professionals in the field.

The main objectives of the project are:

- To intervene on VET level, increasing the knowledge and the expertise of new graduates and young professionals of the field;
- Enabling learners to design and manage innovative solutions in workplace, inspired by health, wellbeing, energy efficiency, Ecodesign, and Domotics;
- To contribute to spread a sustainable culture of workplace management, capable of meeting employees' needs, increasing their performances and productivity in terms of creativity and innovation.

PARTNERS INVOLVED



A strategic partnership of 12 expert organizations from 6 European countries (Italy, Bulgaria, Cyprus, Greece, Portugal and Spain) was formed in order to ensure maximal disseminations and exploitation in the EU. These organizations are:

MasterandSkills Srl (the coordinator of the programme)	Eurosuccess Consulting
Assoknowledge	Pyramid Services Ltd
eFM SPA	Tojas Investimentos LDA
Aspect –Management and Intercultural Relations	UBImedical
NGO My World Association	Tsikrikoni
	I-Box Create S.L.
	Ibonis European Research Projects S.L.

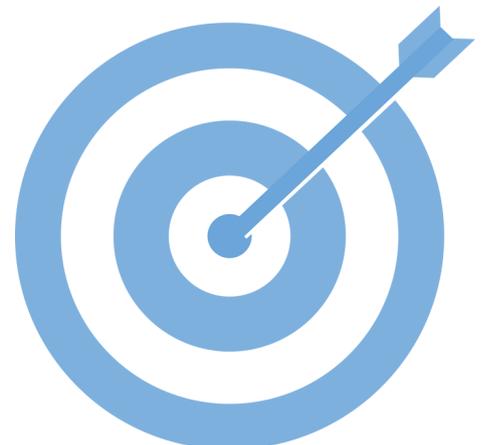
OUTPUTS



- A survey and a contents quality plan for the definition of a VET Programme for Real Estate Managers
- 1 Handbook for the design of a European Pilot VET Programme for Real Estate Managers
- 3 internships Agreements
- A database of RENewAL VET contents and materials and the assessed learners' profiles
- Agreements for the promotion, assessment, recognition, and validation of the RENewAL learning outcomes
- 4 Learning Modules (720 hours including 30 individual Internship experiences)

BEST PRACTICES IDENTIFIED

- With the Renewal project, the partnership came to surprising conclusions. The workplace really and utterly affected the quality of work-life and the performance of the employees. Also, the geographical location of the workplace, also affected the workers.
- The partnership also came to the conclusion that the cooperation between companies, VET providers and universities can be really fruitful, and can permit the knowledge transference between the various actors.





SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **substantial implementation, both at internal and external level.**

"The issue of promoting mental health in the work context, something that was already pioneered at the time the project started, because with the pandemic there is a lot of talk about mental health, and we had been talking about this for a long time"

Dina Pereira, UBImedical's Manager

JOINT LAB



UNIVERSITÀ
DEGLI STUDI
DI TORINO

A new joint research laboratory was set up in University and dedicated to the study of tribology for braking systems in the automotive sector. The real novelty is the widespread management of the activities: Researchers from both UniTo and the Industry will have access to advanced instrumentation; not only one place for one lab, but the possibility to have access to different places in the University and in the industry for an interdisciplinary approach.

The funding registers more than 500,000 euros: a figure that will be used to finance the staff, the setting up of the premises and the provision of research equipment. Additional resources will be found by participating in funded projects.

JOINT LAB



UNIVERSITÀ
DEGLI STUDI
DI TORINO

PARTNERS INVOLVED



- Staff composed by n.2 persons f ILO, researchers from departments of Physics and Chemistry, R&D director of the Company and his staff.
- Strong relation with the Governance of the University: Rector, Vice Rectors for research, Director of Research and HR Unit .

OUTPUTS



Increasing opportunities of collaboration in:

- 1) Research field, cross and multidisciplinary collaboration
- 2) placement for students
- 3) phd doctoral courses planned together
- 4) Publication of common papers on scientific topic

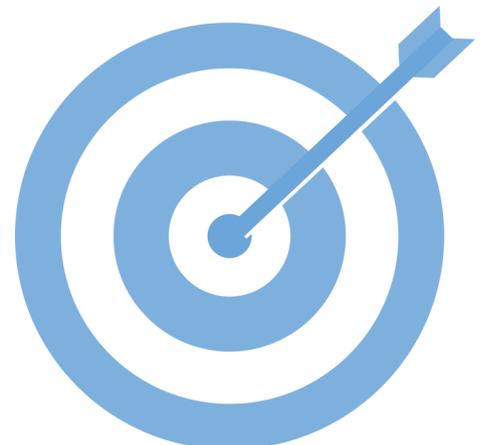
JOINT LAB



UNIVERSITÀ
DEGLI STUDI
DI TORINO

BEST PRACTICES IDENTIFIED

- Set up and use of new model for collaboration
- Development of internal process to achieve objectives
- Involvement of different units inside University



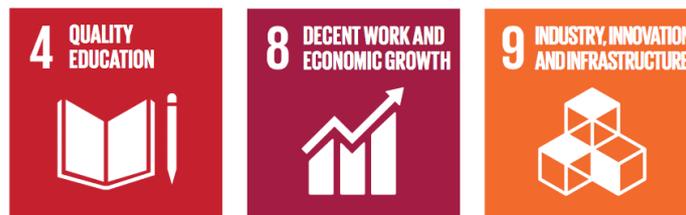
JOINT LAB



UNIVERSITÀ
DEGLI STUDI
DI TORINO



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work and economic growth and Industry, Innovation, and Infrastructure. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

INDUSTRIAL LIAISON OFFICE



UNIVERSITÀ
DEGLI STUDI
DI TORINO

A unique entry point to put in contact University and enterprises. The team works in connection with a Scientific team of the University, according to the specific research topics and composed by experienced faculty staff, identified to connect with the company on project-based activities.

The action plan of the liaison team can be resumed as:

- To prioritize company interest areas and match them with University most performing research areas;
- To identify ideal company participants, stakeholders;
- To schedule specific activities involving interactions with faculty researchers, labs and centers;
- To provide ongoing assessment, advice on next steps.

The Liaison Officer advocates company's research agenda on the campus and favours face to face meetings with faculty staff as:

- meeting with the Rector or Governance;
- interdepartmental meetings on specific topics;
- introduction session with startups of the Business Incubator of the University and on patents university portfolio;
- introduction session on one-day private research workshop;
- use of University infrastructure in open access.

INDUSTRIAL LIAISON OFFICE



UNIVERSITÀ
DEGLI STUDI
DI TORINO

PARTNERS INVOLVED



- Staff composed by n.3 persons, different skills
- Strong relation with the Governance of the University: Rector, Vice Rectors for research, Director of Research Division.

OUTPUTS



- Better the knowledge about research teams within the university towards external stakeholders, mainly industries
- Increasing opportunities of collaboration in:
 - 1) Research field, cross and multidisciplinary collaboration;
 - 2) placement for students ;
 - 3) phd doctoral courses planned together with industries;
 - 4) easy access to infrastructures;
 - 5) creation of joint lab;
- Increasing number of agreements with big industries

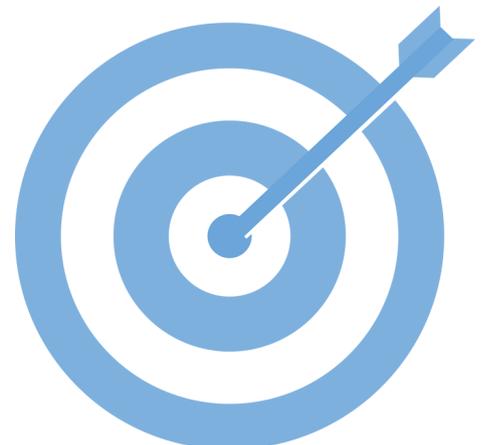
INDUSTRIAL LIAISON OFFICE



UNIVERSITÀ
DEGLI STUDI
DI TORINO

BEST PRACTICES IDENTIFIED

- Set up and use of new model for collaboration
- Development of internal process to achieve objectives
- Involvement of different units inside University
- Increasing of Financial income



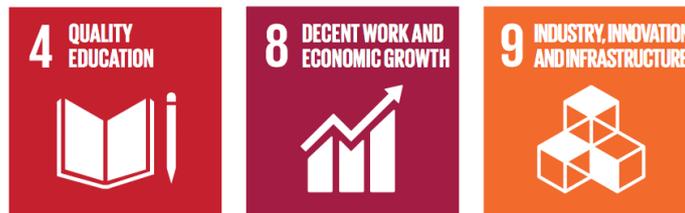
INDUSTRIAL LIAISON OFFICE



UNIVERSITÀ
DEGLI STUDI
DI TORINO



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work and economic growth and Industry, Innovation, and Infrastructure. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

TRIPLE HELIX AWARDS



The Vice-rectorate for Transfer and Technological Innovation of UNIZAR organizes this project through the Transference Office of Investigation Results (O.T.R.I.). The event is aimed to companies and institutions in Aragón in order to stimulate the development of collaborative projects with the University of Zaragoza. These prizes aim to recognize researchers and entrepreneurs inside University in their projects with companies, in research results that could be transferred (as patents, software, know-how...) and their recognized StartUps and SpinOffs.

Format: Elevator pitch competition: storytelling in 4 minutes.

There are 4 steps:

- 1.Registration request with a registration form.
- 2.Selection process. A Committee in UNIZAR selects the best candidates: common projects with companies, research results and companies StartUp /SpinOff. OTRI informs all participants about the results. Moreover, the process is published in iUnizar and OTRI websites.
3. Communication workshop: "4 minutes to shine". Finalists participate in a communication workshop to prepare an elevator pitch with communication professionals.
4. Elevator Pitch. Each finalist has 4 minutes to show the project in order to convince the judges in the final event "Triple Helix Meeting with UNIZAR".
5. Judges' decision: the winners are awarded with the prizes.

The judges appreciate: impact in the market, innovation and quality of the presentation, results and companies in UNIZAR.

TRIPLE HELIX AWARDS



TEAM INVOLVED



Vicerrector for Transfer and Technological Innovation of UNIZAR, assistant of Vicerrector for Transfer and Technological Innovation of UNIZAR, Director of Institutional Relations and Communication UNIZAR, Technical Director in OTRI and a marketing technician in OTRI.

The jury is composed by representatives from enterprises, Government of Aragón and University of Zaragoza.

OUTPUTS



- Stimulate the cooperation in research and make this cooperation visible for society

TRIPLE HELIX AWARDS



BEST PRACTICES IDENTIFIED

This event is aimed to stimulate the Society integration, through Public Administration, Enterprises and University. Innovation and Economy development is based on Society support and knowledge and for achieving this, it is needed the association of Government, Enterprises and University to create innovative models of production, transfer and knowledge implementation.

These awards are dedicated to every researcher at University of Zaragoza who has developed/ is developing:

- A project or service with a company
- A research result (patent, software, know-how...)

And entrepreneurs from UNIZAR:

- SpinOff
- StartUp

Moreover, UNIZAR also delivers several awards as recognition of the support and cooperation with the university improving technological transference and innovation.

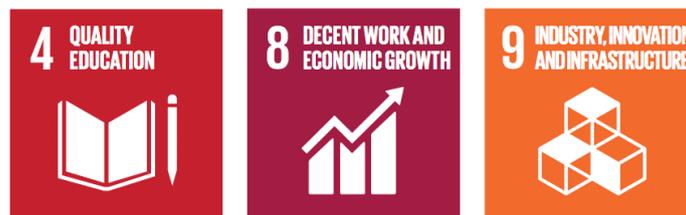
- Cátedra UNIZAR award
- UNIZAR-Company collaboration award
- Industry cluster award
- Institutional activities award



TRIPLE HELIX AWARDS



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work and economic growth and Industry, Innovation, and Infrastructure. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

CEMINEM R+D+I LABS



CEMINEM is a building for research collaboration with companies.

Its main aim is the cooperation between partners to develop innovation marketplaces, improving oriented R+D+I to specific needs, search for new opportunities and boost public-private cooperation and technology and knowledge transfer for the development of new products and services.

Therefore, the main objective is the development of projects in collaboration between research teams or research institutes and companies in a given and specific laboratory.

There are several labs to work in these main Topics:

- Materials, Technologies, Manufacturing, Energy and Environment.
- Health, Chemistry and Biotech.

Call for the allocation of Labs in CEMINEM:

I.- Objective of the call:

Allocation of lab places in the collaborative research centre with companies (CEMINEM) to researchers from UNIZAR to foster innovation and transfer actions with companies. The team has to develop R+D+I in the related topics (Materials and technologies for improving quality of life, mainly in Health Tech and Energy and Environment) and it has to justify the need of using this place to work in cooperation with a company. The places are hired to researchers for 3 years (with renewal options) The research team has to have a cooperation project/contract or agreement with a company handled by UNIZAR

UNIZAR finances part of the costs: 80% during the first year, 70% the second year and 55% during the third year.

CEMINEM R+D+I LABS



TEAM INVOLVED



- Decision team: Vice-rectorate for Transfer and Technological Innovation of UNIZAR organizes this project through the Transference Office of Investigation Results (O.T.R.I.).
- President: Vice-rector for Transfer and Technological Innovation of UNIZAR
- Vicegerencia of research
- Director of the Transference Office of Investigation Results (O.T.R.I.)
- Director of Transfer and Technological Innovation Secretariat
- Secretary of Research Committee of UNIZAR
- 3 members from Research Committee of UNIZAR (areas of Biomed, Sciences and Tech)
- University of Zaragoza
- C.I.T. (Innovation and Transfer Center).
- Innovation Enterprises
- Spin off or Start up from UNIZAR/ Industrial PhD programme or University Chair.

OUTPUTS



- Better cooperation between University' research teams and companies in a common place with the opportunity to share knowledge with other research teams
- Nowadays there are 13 teams working in CEMINEM Lab (the number oscillates depending on the projects developed in the CEMINEM building)

CEMINEM R+D+I LABS



BEST PRACTICES IDENTIFIED

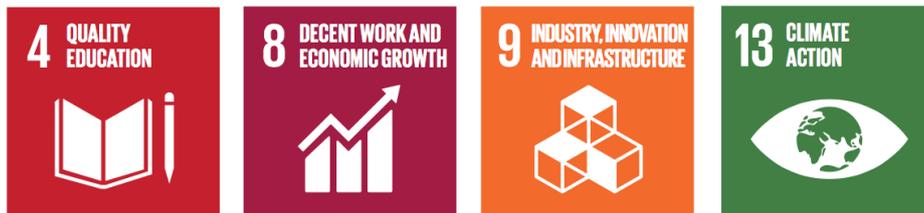
- Better cooperation between University's research teams and companies in a common place with the opportunity to share knowledge with other research teams.
- The research groups do not need to use their own labs to perform research in specific contracts with companies
- The companies like the confidentiality that produces to have a specific lab in a different building and where their own workers can work in collaboration with University teams.
- Develop innovation marketplaces, improving R+D+I oriented to needs and new opportunities and boost public-private cooperation and knowledge transfer to develop new products and services.



CEMINEM R+D+I LABS



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work, economic growth and Industry, Innovation, and Infrastructure and climate action. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure. Climate action is a goal involving the fight against climate change and its impacts.

BSH ELECTRODOMÉSTICOS ESPAÑA CHAIR IN INNOVATION



BSH Electrodomésticos España, S.A. is part of BSH Hausgeräte GmbH, with 42 factories and more than 60.000 workers all over the world and who owns big brands as Bosch, Siemens, Gaggenau, Neff, or Balay. More than three decades of collaboration with the University of Zaragoza (UZ) gave rise, in 2006, to this Chair in Innovation. UNIZAR and BSH generated a new framework for working together in R+D+i; training activities; internship for students; hiring engineers, graduates and students from UNIZAR; developing PhDs in collaboration. The main activities are:

1) Teaching:

Practical training in order to make students recognize the importance of innovation as competitive edge for companies and how to implement it.

2) Factor Idea:

This is an activity proposed by BSH in several subjects of some degrees in order to challenge students in innovation topics. Best ideas and developed projects are awarded. Cooperation in internships through UNIVERSA and Fundación Empresa Universidad (FEUZ), specialized institutions of UNIZAR for employment of graduates.

3) R + D + i

R + D + I projects include research and development activities, reports and upgrade programmes. Moreover, it usually includes some grants for doctoral thesis.

4) Conferences and Training Courses

BSH experts are teaching some subjects and giving conferences, mainly in Engineering and Economy degrees, postgraduate and in internships.

5) Pivota Ideas Award

In February 2020, the BSH Chair, in collaboration with the Office of the Vice-Rectorate for Technology Transfer and Innovation and with BSH, launched the PIVOTA IDEAS programme, which aims to motivate the entrepreneurial spirit of doctoral students, postdoctoral researchers, research staff and students of Master's degree from the University of Zaragoza, with the aim of being able to apply their knowledge and experience to the development of commercially viable products and services.

BSH ELECTRODOMÉSTICOS ESPAÑA CHAIR IN INNOVATION



TEAM INVOLVED



- At the head of each of the Chairs is a director, which activity is supervised by a joint commission, which approves the annual program of action and carries out its monitoring.
- The OTRI has a specialized administrative unit for all the Chairs
- BSH Electrodomésticos España
- University of Zaragoza

OUTPUTS



- One special way to perform R+D+I activities in collaboration with a big company based on a win-win strategy
- Practical training in order to make students recognized the importance of innovation as competitive edge for companies and how to implement it.
- Students have the opportunity to get a qualified job in a leading company in the sector
- BSH has the opportunity to hire students and graduates who have participated in this Chair

BSH ELECTRODOMÉSTICOS ESPAÑA CHAIR IN INNOVATION



BEST PRACTICES IDENTIFIED

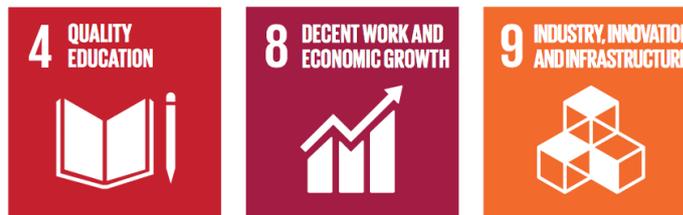
- Development of lines of research of common interest.
- Achievement of research projects at national and international levels.
- Advice on innovation and development, as well as preferential information on research or transfer projects.
- Preparation of doctoral thesis and final year projects.
- Student internships.
- Promotion of the integration of university professors in the company environment.
- Continuous training activities.
- Organization of seminars, conferences, workshops and courses.
- Practical training in order to make students recognized the importance of innovation as competitive edge for companies and how to implement it.
- Meeting point for students, company and teachers, all of them with a clear focus on innovation.



BSH ELECTRODOMÉSTICOS ESPAÑA CHAIR IN INNOVATION



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work and economic growth and Industry, Innovation, and Infrastructure. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

PROTECTION AND VALORIZATION UNIT OF UNIZAR



The growing collaboration in R&D&I activities of professors and researchers with companies is increasingly influenced by the dynamism caused by the strong competition that exists in the market, demanding an increase in confidentiality protocols and detailed regulation of the intellectual protection of inventions.

The University of Zaragoza has assumed a policy of promotion and encouragement of research and development that leads to a development of its own Regulations for all aspects related to the protection of university inventions and the transfer of research results.

Invention protection procedure

When a researcher obtains a potentially transferable result, the inventors must contact the Office for Technology Transfer (OTRI) as soon as possible, and always before any publication or dissemination of the results.

Market survey and decision of the Commission for the Protection of Inventions

Once the invention is protected, the OTRI will carry out the necessary actions to explore the market in order to identify third parties interested in its exploitation, as well as in order to assess it, collecting for this purpose as many offers as they deem appropriate. you do not. The OTRI may count on the collaboration of the team, unit or service that generated it to explore the market and collect offers from third parties.

During a maximum period of 24 months, the OTRI must explore the national and international market through the means they deem appropriate and will collect a minimum of three offers from third parties interested in exploiting the Invention in each case.

The OTRI will propose to the Commission for the Protection of Inventions the one that it considers most appropriate to the interests of the University of Zaragoza through a reasoned report.

The University of Zaragoza will keep a Register of Inventions that it will keep duly updated, in which it will record the status of the same and the rights of third parties over them.

PROTECTION AND VALORIZATION UNIT OF UNIZAR



TEAM INVOLVED



- 3 full-time experts in OTRI
- Administration department in OTRI
- The Commission for the Protection of Inventions
- University of Zaragoza and company/institution that wish to collaborate in the market development and exploitation of the results.

OUTPUTS



- The University of Zaragoza maintains common and public criteria for the protection and valorization of inventions and a registry in which they can be consulted
- The University of Zaragoza is one of the main Universities in Spain with respect to income from intellectual property rights

PROTECTION AND VALORIZATION UNIT OF UNIZAR



BEST PRACTICES IDENTIFIED

- The University of Zaragoza is aware of the need to jointly and homogeneously regulate the treatment of the inventions of which it is the owner, contemplating all aspects related to this matter, in order to provide it with a global system of protection of its industrial property and intellectual. For this reason, the Governing Council has approved the regulations on university inventions.
- For the purposes of these regulations, the results of research, development or innovation, suitable for generating value will be considered inventions. Not only a common procedure but also an agreed definition of inventions.
- Having a scheduled procedure, cooperation with companies wishing to participate in the transfer to the Market is facilitated.



PROTECTION AND VALORIZATION UNIT OF UNIZAR



SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **Substantial implementation, both at internal and external level.**

This project is directly related with the SDGs of decent work and economic growth and Industry, Innovation, and Infrastructure. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

UPPA ENTERPRISES



UPPA Enterprises aims at boosting actions to open up the socio-economic world for all the services that can be offered by the UPPA in order to increase the impact of the UPPA on the innovation of businesses in the area but also show the UPPA's adaptability to socio-economic changes and thus increase public / private relations.

UPPA ENTERPRISES



TEAM INVOLVED



- Alumni business developer
- Administrative coordinator and receptionist at UPPA Enterprises
- and two business developers who work both for UPPA Enterprises and for the revitalization and animation of CEPyA
- Socio-economic world of territory (VSES, SME, ETIS, GG, association, communities...)

OUTPUTS



- UPPA enterprises is a relay, both internally and externally, intended to establish relationships, facilitate contact, amplify communication and the exchange of information. It is an essential player in providing an appropriate response as quickly as possible to the needs of companies. It's able to put them in contact with the right interlocutor and ensure a follow-up. It must guarantee an effective, facilitated, personalized and relevant relationship for companies
- UPPA Enterprises ensures a strong relationship and the development of joint initiatives between companies and in particular those members of the CEPyA association which was created in September 2017
- The third objective of UPPA Enterprises is the establishment of a CRM: The UPPA is endowed with a centralized and common tool to manage the relationship with its partners within the scope of the offered service. The objective is to move from several databases of business applications and Excel files to a software solution, in order to centralize the contacts and the associated history allowing at any time to have a 360 ° view of each of the partners. UPPA Enterprises has also developed a commercial tool called "Corporama" which allows the targeting of companies according to predefined criteria linked to the needs of the services. UPPA Enterprises is thus able to provide a qualitative and quantitative list of new prospects and thus to increase its visibility with local actors

UPPA ENTERPRISES



BEST PRACTICES IDENTIFIED

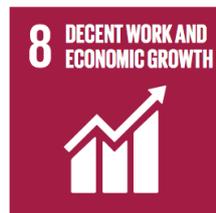
UPPA Enterprises is the entry channel for socio-economic actors, it is a reflex for the outside world and internal staff also turn to it for the organization of promotional events, to take stock before a meeting with a future partner. Different actions will be deployed in connection with the services and components of the university on the long term in order to increase the impact of UPPA on the innovation of the companies of the territory but also to show the capacity of adaptation of UPPA to the socio-economic changes and thus to increase the public/private relations.



UPPA ENTERPRISES



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of decent work and economic growth and Industry, Innovation, and Infrastructure. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

CEPYA – THE CLUB OF COMPANIES' PARTNERS OF UPPA



UPPA Entreprises ensures a strong relationship and the development of joint initiatives between companies and in particular those members of the CEPyA association which was created in September 2017. The president of CEPyA is Mr. Christian Aubart who is a former company director which has actions at regional level.

The objectives are to:

- Bring together manufacturers (companies, service companies) and structures specialized in economic activities which have, or wish to have, a link with the actions conducted at the university (research, training, promotion)
- Initiate lasting relationships and develop networks between academic players in higher education and research, and players in different professional fields (industries, technical centers, technopoles, communities, etc.)

CEPYA – THE CLUB OF COMPANIES' PARTNERS OF UPPA



TEAM INVOLVED



- Two business developers who work both for UPPA Entreprises and for the revitalization and animation of CEPyA.
- Members of the board of the association.
- Socio-economic world of territory (VSES, SME, ETIS, GG, association, communities...).

OUTPUTS



- Promote the networking of multiple players in the territory with the university world, students, Alumni, teachers and teacher-researchers
- To benefit the partners of the local, national and international networks of the University
- Offer direct expertise to partners: conferences, research, seminars, reflection on project proposals by companies, monitoring, etc
- Promote university trainings and our research themes, adapted to the future needs of our economic world
- Put partner companies in touch with students in order to facilitate recruitments: during training (internships, work-study) and after obtaining a diploma
- Support the training plan of our partners with an analysis of their needs and the implementation, if necessary, of training actions. Bring visibility to our partners

CEPYA – THE CLUB OF COMPANIES' PARTNERS OF UPPA



BEST PRACTICES IDENTIFIED

It's an opportunity for the company to have :

- Social responsibility, display of collaboration with one's university
- Readability of the training offer, Easy interface
- Concrete involvement in training courses
- Collaboration with teacher-researchers and laboratories
- Anticipated response to recruitment problems
- Develop your employer brand with the younger generations and teachers



CEPYA – THE CLUB OF COMPANIES’ PARTNERS OF UPPA



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education and decent work and economic growth. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important.

SMB CLUB DES ENTREPRISES



The USMB Club des Entreprises, created in 1991, mobilizes companies and institutions from the two Savoie regions, i.e. 100 member companies and nearly 30,000 referenced professional contacts, with whom it maintains daily relations for the benefit of the students and teacher-researchers of the Université Savoie Mont Blanc.

The USMB Club des Entreprises aims at strengthening the professional integration of students and at developing links between USMB and companies.

SMB CLUB DES ENTREPRISES



TEAM INVOLVED



- 8 employees and a network of volunteers
- Socio-economic partners of the Savoie Mont Blanc territory

OUTPUTS



- The Club des Entreprises provides skills from companies to promote the professionalization of teaching (participation of professionals in teaching activities, participation in training development councils, participation in master's degree selection juries, etc.)
- The Club des Entreprises promotes the USMB's programs with companies to encourage students' professional integration (internships, work-study programs, professional integration Package)
- The Club des Entreprises creates networks of collaborations through cross-disciplinary events, to spread a corporate culture at the university. A dozen flagship events are organized each year: Employment & Enterprise Week, "Management au Féminin" round table, Job Dating for work-study programs, Stages'festival, Training Job Kfé, Master Class, Sponsorships, Career Conferences, Young Ambassadors, Idea Challenge, Club Talks

SMB CLUB DES ENTREPRISES



BEST PRACTICES IDENTIFIED

- Co-design of the training offer
- A higher readability of the training offer
- Concrete involvement in training courses
- Anticipation of companies' needs in terms of skills
- Support for students in their professional integration process (identification of skills, network, preparation for interviews)
- Social responsibility, display of collaboration with one's university
- Anticipated response to recruitment problems
- Develop your employer brand with the younger generations and teachers



SMB CLUB DES ENTREPRISES



SUSTAINABLE DEVELOPMENT GOALS

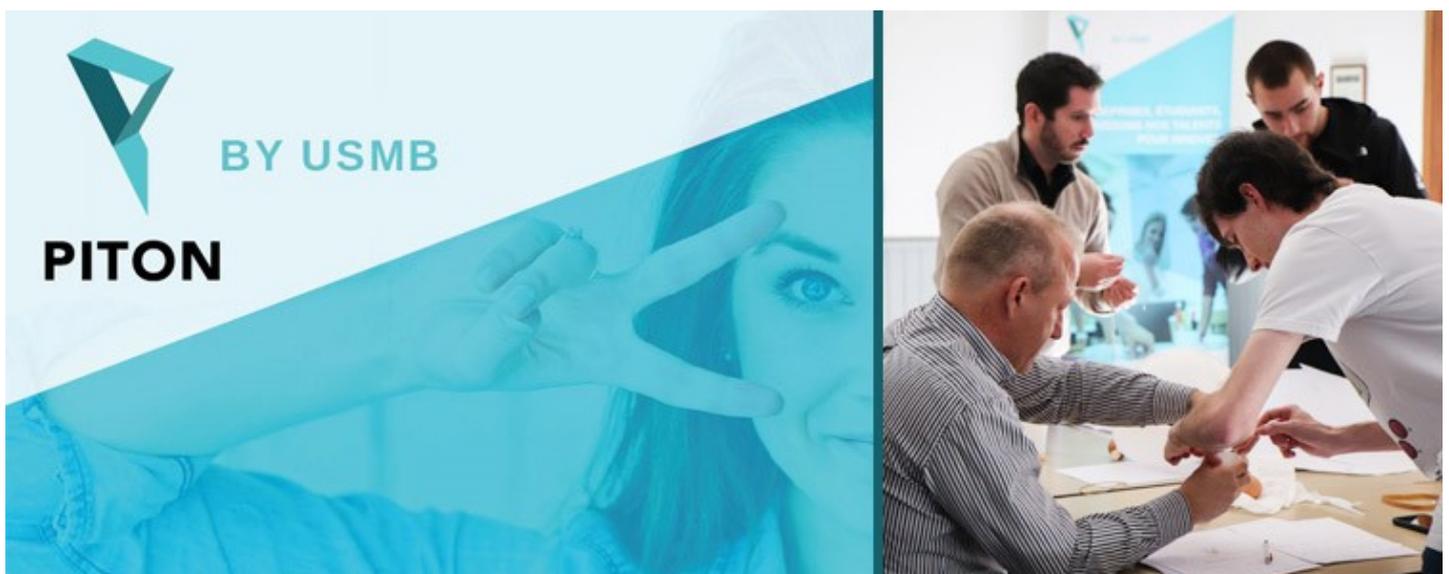


This project is directly related with the SDGs of quality education and decent work and economic growth. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important.



The USMB PITON Project is an innovative program developed at the USMB (accredited by the MESRI - PIA3) - gives a company, an organization or a local authority the opportunity to develop an innovation project with the help of a multidisciplinary team of students (included students in continuing education).

This program takes place in the form of an internship during which the students are entirely dedicated to the innovation project. They work in start-up mode in dedicated co-working spaces or in companies. Each team is accompanied by a PITON facilitator and a pedagogical advisor.





TEAM INVOLVED



- Socio-economic partners of the Savoie Mont Blanc territory and of national partners
- Local authorities

OUTPUTS



- Acquisition of new skills by students through learning-by-doing and peer learning methods
- Objective outcomes for companies
 - market research and marketing positioning analysis
 - proof of concept
 - prototype



BEST PRACTICES IDENTIFIED

- Collaborations between students and companies
- Interdisciplinary projects
- Development of soft skills (autonomy, analysis, teamwork)
- Innovation
- Social responsibility





SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education and decent work and economic growth. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important.

USMB SPECSOLE



The USMB SpecSolE is a joint laboratory bringing together a laboratory in environmental science and a company in geostatistics with the objective of developing the use of solid phase spectroscopy techniques for environmental diagnosis.

The labcomm proposes 3 main research axes:

- 1) instrumental integration,
- 2) hoarding and
- 3) prospecting.

These axes are complementary and their coupling aims to optimize the processes of knowledge exchange and innovation, as well as to strengthen and stabilize the common structure.

USMB SPECSOLE



TEAM INVOLVED



- 10 researchers and 5 employees of the partner company
- Local business incubators

OUTPUTS



- Common research projects
- Co-writing of research articles
- organization of dedicated seminars
- Participation in national and international conferences

USMB SPECSOLE



BEST PRACTICES IDENTIFIED

- Co-design of research projects
- Scientific collaborations between public and private organizations



USMB SPECSOLE



SUSTAINABLE DEVELOPMENT GOALS



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MITIGATE THE TRAFFIC JAMS Universitatea de Vest din Timișoara

The main focus of the initiative is to help the start-up gain the necessary knowledge of using a deployed camera infrastructure.

MITIGATE THE TRAFFIC JAMS

TEAM INVOLVED



- Continental Automotive
- Flight Tech Festival
- LooPark

OUTPUTS



The University gave access to their camera infrastructure and shared the knowledge required to work with such technologies, therefore allowing the team to generate a solution for the institution's parking

MITIGATE THE TRAFFIC JAMS Universitatea de Vest din Timișoara

BEST PRACTICES IDENTIFIED

The team became aware of possible connectivity issues when working with public institutions, such as protected networks.

From a technical point of view, some unknown security liabilities have been analyzed and resolved as a follow up of the partnership.



MITIGATE THE TRAFFIC JAMS Universitatea de Vest din Timișoara



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of Industry, Innovation, and Infrastructure and Sustainable cities and Communities. The goal of Innovation, and Infrastructure intends to Enhance rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure. The goal of Sustainable Cities and Communities promotes making cities and human settlements safer, resilient, and sustainable through use of national urban policies, more access to public spaces, convenient public transportation, and the reduction of slums.

ROBO-ADVISOR REVOLUTION Universitatea de Vest din Timișoara

#1: Academic and industrial convergence is an inevitable phenomenon that modifies the rules of industries and academic environment in teaching Computer Science (CS) at academic level and is simultaneously a catalyst and an outcome of the emergence of new innovative educational ecosystems in CS field.

Technological convergence is regularly viewed as an antecedent of industrial convergence, yet much remains to be investigated about the relationship between the three phenomena – academia, industrial and technological convergence – as well as the sequence in which they occur. The identification of convergence patterns at an early stage, i.e. where and when the academia, industry and the market structures are unclear, is crucial for academia as the industry provides to academic partners the ability to anticipate and adjust their curricula and future market positioning in terms of future candidate students. A further area of investigation relates to the interplay between the emergence of technology-centered ecosystems, as well as their orchestration mechanisms between industry and academia.

This idea aims to address relevant and significant gaps in this literature, mainly around the identification of convergence patterns and the interplay between types of convergence, and the development of new ecosystems and their orchestration in Computer Science study domain.

This idea can have a strong empirical component and should be largely data-driven. Data sources that can be explored are: USPTO, EPO and possibly Derwent Patent Innovation Database or another proprietary database, and will use visualization tools and data mining techniques.

#2: The robo-advisor revolution of CS academic staff in HEi raises crucial questions revolving around the balance between the human intervention and the machine component in the advisory and decision-making processes in software development and management for a deeper understanding of a hybrid model where human and machine co-exist, with the robot element designed to augment the existing computer programming languages, by complementing rather than substituting or displacing the human programming function. This idea will examine how the robo-advisor revolution is affecting the skillset and competencies that Computer Science academic staff should master.

ROBO-ADVISOR REVOLUTION Universitatea de Vest din Timișoara

TEAM INVOLVED



- Academic partners: WUT's European academic partners with a strong background in ICT field
- Industrial: Continental Automotive, Nokia, Intel, Microsoft, Google, Intel, Nvidia

OUTPUTS



#1

- A tool for technology and innovation managers and academic staff to assist in the identification of future technological trajectories and strategic partner identification for ecosystem development
- A framework to raise awareness of the possible trajectories of technological, academia and industrial convergence
- A framework to assist technology-centered ecosystem orchestrator in the management of emerging technology-centered ecosystems

#2

- Theoretical understanding on the impact of robo-advisors on skill sets of CS academic staff
- Framework illustrating the required skills and 4.0 competencies in ICT sector

BEST PRACTICES IDENTIFIED

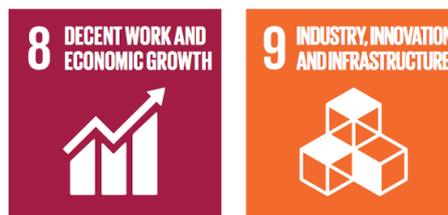
- Sharing skillset and competencies between partners
- Identify case studies – best practices adopted by industrial/academic partners
- Knowledge transfer between actors
- Involving the three main actors in the same initiative for developing the future framework of CS: academia, employees (students), industrial partners.



ROBO-ADVISOR REVOLUTION Universitatea de Vest din Timișoara



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of decent work and economic growth and Industry, Innovation, and Infrastructure. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

USMB FOUNDATION



The USMB Foundation leads a university - company - territory alliance with the aim of accompanying the actors in the environmental, digital and societal transitions. It is positioned in the field of research and develops the following activities:

- To initiate, support and coordinate research projects that create value for companies, excellence for the university and development for the Savoie Mont Blanc region.
- To create innovative links to transform ideas into achievements between the laboratories of Savoie Mont Blanc University, economic actors and institutions.
- To be part of the long term by supporting exploratory or applied research projects that create progress for all.
- To animate networks and host other Foundations with which we share our vision and values.
- To recognize the talents and excellence of the students of the University Savoie Mont Blanc.

USMB FOUNDATION



TEAM INVOLVED



Socio-economic partners of the Savoie Mont Blanc territory and of national partners

OUTPUTS



- Support for research
 - Financing of "seed" research or training projects from laboratories
 - Funding and support for "chair" projects: structuring and steering
- Promotion
 - Facilitating communication: popularization of supported research projects, comments from researchers
 - Web, print and press communication
- Events
 - Hub innov, webinars, conferences, laboratory visits, prospective workshops.
- Discovery of talents
 - Excellence awards: Artists, athletes, doctoral students
 - Grants for collective projects of a societal nature
 - Support for student entrepreneurial projects
 - Support for international summer schools and organization of innovative short courses
- Development of the ecosystem
 - Search for sponsors and consolidation of the founding companies' collective
 - Development of partnerships
 - Participation in the activities of a territorial innovation network

USMB FOUNDATION



BEST PRACTICES IDENTIFIED

- Co-design of research projects
- Additional and long-term fundings for research projects
- leverage effect
- Innovation boost
- Social responsibility



USMB FOUNDATION



SUSTAINABLE DEVELOPMENT GOALS



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BEST PRACTICES

COOPERATION UNIVERSITY-GOVERNMENT

DIVENTARE IMPRENDITORI



UNIVERSITÀ
DEGLI STUDI
DI TORINO

Early graduated students, PhDs and other universities' students are accepted, as for the number of participants accepted and based on the Taxes regulation of the University. Since 2022 a new collaboration has been activated with the city's project CTE NEXT- House of the emerging technologies, based on which entrepreneurs and aspiring entrepreneurs, startupper, managers, responsible in strategy/technique/business development/R&D/technical area, technicians, and employers belonging to the CTE NEXT network.

The macro-topics of the classes are:

- Doing business with the human capital;
- Business model Canvas and managerial skills;
- Marketing basics and sector analysis;
- Juridical themes for entrepreneurs: company law, intellectual property;
- How to start: Finance for start-ups;
- Business Plan;
- Services for entrepreneurship on the territory and testimonials by start-uppers.

DIVENTARE IMPRENDITORI



UNIVERSITÀ
DEGLI STUDI
DI TORINO

PARTNERS INVOLVED



- Departments of Management, Law, Psychology
- 2I3T Scarl
- Unito Incubator
- Human+ Foundation
- Mida S.p.A.
- CTE NEXT (Casa delle tecnologie emergenti)
- Mettersi in Proprio (MIP - Città metropolitana di Torino)

OUTPUTS



- present a general overview of the topics that entrepreneurs need to face
- stimulate the evaluation and the discovery of each own entrepreneurial aptitudes, defining the main challenges of the path which leads to create and manage a company or other economic entities
- spread the knowledge of the spaces and initiatives the University and the surrounding territory make available for the development of ideas and entrepreneurial inclinations
- describe some of the characteristics of the entrepreneurial ecosystem

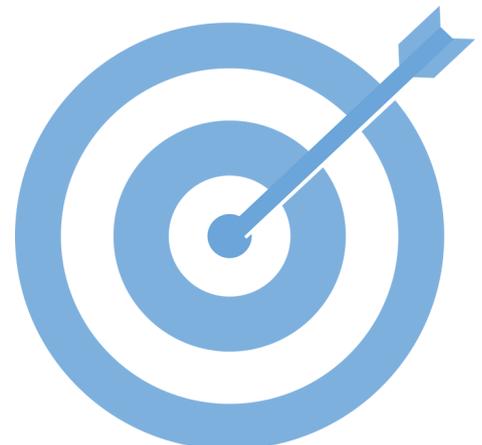
DIVENTARE IMPRENDITORI



UNIVERSITÀ
DEGLI STUDI
DI TORINO

BEST PRACTICES IDENTIFIED

- students are very interested in entrepreneurship
- the course “opens the students’ eyes” in many cases, giving them broader perspectives for their future
- interdisciplinarity is not easy but it worth the effort



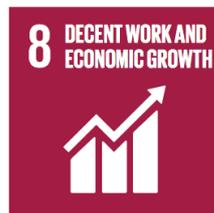
DIVENTARE IMPRENDITORI



UNIVERSITÀ
DEGLI STUDI
DI TORINO



SUSTAINABLE DEVELOPMENT GOALS



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BUTTERFLY AREA



UNIVERSITÀ
DEGLI STUDI
DI TORINO

A new Campus of the University of Torino "Città delle Scienze e dell'Ambiente" is under construction and it will welcome over 1,000 researchers and more than 10,000 students, to enhance innovation and knowledge in the agrifood, biotech, greenchemistry, mobility, energy, environment, human and animal health, material sciences sectors.

Within the Campus, the Butterfly Area will host companies, research organizations and institutions that will be able to work side by side with researchers and students, set up joint laboratories, use pilot plants, access university research equipment and innovation services.

It will be based on the model Company in Campus.

The Butterfly Area today is an idea, with the vision to be designed together with those who will live and use it in the near future.

A preliminary construction project is underway. We will move on to the executive project developed also together with the Ecosystem of companies and institutions and the availability of funds.

BUTTERFLY AREA



UNIVERSITÀ
DEGLI STUDI
DI TORINO

PARTNERS INVOLVED



- Vice Deputy for Research/ staff composed by Industrial Liaison office and representative of the 4 departments (Agricultural, Chemistry, Veterinary, Life sciences and System Biology) .
- Strong relation with the regional government, the city government, the Chamber of Commerce.

OUTPUTS



- Exchange of Human capital
- Set up joint laboratories
- Use pilot plants
- Access university research equipment and innovation services
- Better the knowledge about research teams within the university towards external stakeholders, mainly industries
- Increasing number of agreements with industries
- Increasing number of agreements with big industries

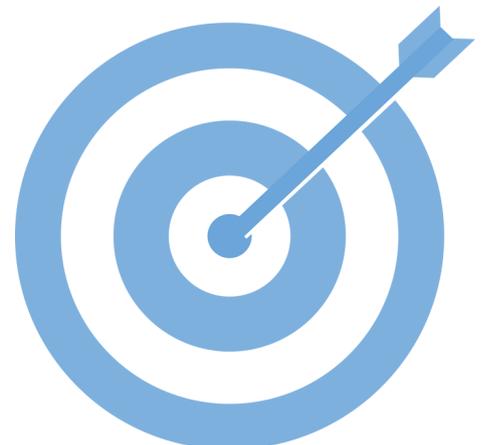
BUTTERFLY AREA



UNIVERSITÀ
DEGLI STUDI
DI TORINO

BEST PRACTICES IDENTIFIED

- Development of a rich Ecosystem
- Set up and use of new model for collaboration among Academia and Companies
- Development of internal process to achieve objectives
- Involvement of different units inside University



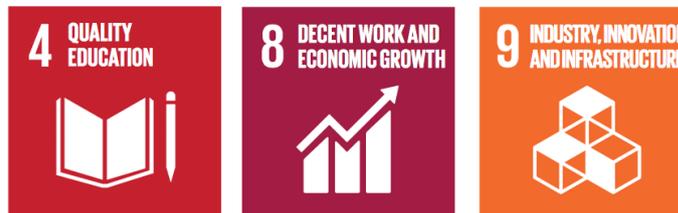
BUTTERFLY AREA



UNIVERSITÀ
DEGLI STUDI
DI TORINO



SUSTAINABLE DEVELOPMENT GOALS



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INNOVATION ON THE USE OF FOOD WASTE AS SOIL FERTILIZER



The West University of Timisoara in partnership with the Timis Intercommunity Development Association dedicated to Waste Management (ADID Timis) are piloting a test center for composting biodegradable food waste (composting equipment located in UVT spaces and used by students and staff.

For the pilot phase, 2 composting equipment for food waste are introduced in UVT locations, as follows: (a) 1 composter in the central location of UVT, located on Vasile Pârvan Blvd. no. 4, Timișoara - inside the dining area located in the basement, attended by about 500-1000 people / day (in terms of face-to-face educational activities); (b) 1 composter in one of the UVT dormitories that has over 400 accommodated students. The equipment is located in one of the kitchenettes of the building.

Both equipments are to be used by trained personnel, who feed the composters with food waste generated during the day. Trained personnel also remove the natural fertilizer resulting from composting, being taken over by the employees of the UVT Green Spaces Management Service and used in the UVT Community Garden, respectively the University flower pots.

For research purposes, the fertilizer may also be used in research laboratories active in environmental protection in the UVT structure. References to data sources (regarding fertilizer) will also integrate the partnership with ADID Timiș.

During events dedicated to sustainable development organized in 2022, packages with 50-100 g of fertilizer generated from the composting activity of food waste will be offered as promotional materials, along with seeds of permaculture specific plants.

INNOVATION ON THE USE OF FOOD WASTE AS SOIL FERTILIZER



TEAM INVOLVED



- The project is coordinated by the West University of Timisoara, with support from ADID Timis (Timis Intercommunity Development Association dedicated to Waste Management). For the 2022 pilot phase, funds are being allocated from private funds coming from ADID Timis, subject to the realization of the project envisaged results.
- Replicability is being considered at UNITA level, as well as at national level with support from other counties' Intercommunity Development Association dedicated to Waste Management.
- The responsible team on behalf of UVT consists of: Alexandra Petcu, Gabriel Morar and Adrian Sinitean.
- Partners: the West University of Timisoara & ADID Timis (Timis Intercommunity Development Association dedicated to Waste Management)
- Stakeholders: Timisoara City Hall, Timis County Council, Western Regional Development Agency, Timis County School Inspectorate.

OUTPUTS



- Inventory of food waste practices at University level, data disaggregated by staff and students
- Research on food quality, based on lab research on fertilizer resulted from food waste composting activities
- Circular economy best practice in the food sector
- Awareness raising on short food supply chains and re-use of food waste in gardening
- Correlation of circular food supply chains to the UN SDGs and the European Circular Economy Action Plan

INNOVATION ON THE USE OF FOOD WASTE AS SOIL FERTILIZER



BEST PRACTICES IDENTIFIED

- Using living lab methodologies for co-creation of the innovation project design
- Using a living lab approach to test-bed innovative technologies in circular food supply chains and secondary raw materials in order to enhance societal readiness levels of technologically mature solutions



INNOVATION ON THE USE OF FOOD WASTE AS SOIL FERTILIZER



SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **na implementation of the SDGs that varies between internal implementation and substantial implementation, both at internal and external level.**

The topic of the project is directly related with the smart specialization concerning `Health and quality of life` and `Bioeconomy`.

TIMISOARA EUROPEAN CAPITAL OF CULTURE - 2023



Starting from 2018 WUT has coordinated a team of 6 sociological researches related to the preparation of the TM ECC-2023 program (that was firstly 2021, and postponed due to pandemic problem for 2023). These studies were made on representative samples for the city of Timisoara and have tried to identify the involvement of the community in sustaining this program, the cultural consumption, the expectation and so on. In 2018 there were also qualitative interviews with cultural actors on the same topics.

Mixed sociological researches, quantitative (surveys) and qualitative (interviews), concerning the public impact of the program Timisoara - European Capital of Culture 2023 (TM ECC 2023).

TIMISOARA EUROPEAN CAPITAL OF CULTURE - 2023



TEAM INVOLVED



- The research was implemented for TMECC -2023 into a collaboration between West University of Timisoara and Intercultural Institute. The sociological researches were coordinated by Associate Professor Bogdan Nadolu (WUT).
- Intercultural Institute
- Timisoara European Capital of Culture Association 2023
- Timisoara City Hall
- Timis City Council
- Ministry of Culture

OUTPUTS



For each research it was obtained a sociological report (five in total) with the results, detailed interpretations, and recommendation for further approach. At the beginning it was evaluated the population level of knowledge about the European Capital of Culture and in the second stage, when the title of European Capital of Culture was won the level of audience engagement of inhabitants in order to sustain the project

TIMISOARA EUROPEAN CAPITAL OF CULTURE - 2023



BEST PRACTICES IDENTIFIED

The involvement of the cultural NGOs was the main good practice of these projects, they involved the results into their further program. The local authorities were very interested in the results of the first part of the project, before the winning of the title, and less interested after.



TIMISOARA EUROPEAN CAPITAL OF CULTURE - 2023



SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **substantial implementation, both at internal and external level.**

This project is directly related with two smart specialisation strategies: Cultural and creative industries and Health and quality of life. One of the main topics of the applied research was related to the cultural consumption in the Timisoara metropolitan area and the population's expectations related to these contents. Other output of these studies was related by the quality of cultural life in neighbourhoods, and possible interventions from local stakeholders to improve it.

QUALITY OF LIFE BAROMETER



The main activity carried out in this project is research. In a concrete way, our project aims at analyzing the quality of life for the Timisoara metropolitan area. At the base of this analysis are the perceptions of the respondents obtained with the help of a public opinion questionnaire applied to a representative sample according to gender and age.

QUALITY OF LIFE BAROMETER



TEAM INVOLVED



- 2 sociologists,
- 2 specialists in political science,
- 1 geographer and
- 1 psychologist and
- 1 colleague involved in the project as a research assistant.

OUTPUTS



The main outcome of the project is the research report, presented annually, which is the basis of municipal development projects. This report identifies the level of satisfaction of the citizens of Timisoara. The dimensions of the analysis, as component parts of the report cover the satisfaction of citizens with the following aspects:

- the city's infrastructure
- the attributes with which the city is perceived
- the quality of the environment
- the quality of one's life

QUALITY OF LIFE BAROMETER



BEST PRACTICES IDENTIFIED

- The main lesson learned is that in order to succeed you must persevere. After 5 years in which the researchers involved did it with own resources, we managed to obtain funding from the City Hall for the last research in 2021.



QUALITY OF LIFE BAROMETER



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of good health and well-being, Sustainable Cities and Communities and Responsible Consumption and Production. With a focus on increasing life expectancy and reducing common child and maternal diseases and killers, the goal of good health and well-being targets ensuring healthy lives and promoting well-being for all ages. The Sustainable Cities and Communities goal promotes making cities and human settlements safer, resilient, and sustainable through use of national urban policies, more access to public spaces, convenient public transportation, and the reduction of slums. The goal Responsible Consumption and Production ensures sustainable consumption and production patterns, as a goal, aims to reduce climate change and negative environmental impacts.

BEST PRACTICES

COOPERATION UNIVERSITY-SOCIETY

CROWDFUNDING



UNIVERSITÀ
DEGLI STUDI
DI TORINO

With this first crowdfunding initiative , Università di Torino wanted to promote young researchers (who sometimes do not access ordinary funding channels) with emerging research topics. For the University, this tool represents an opportunity to give a voice to its community and learn about its interests and needs.

In this first call, University selected 3 projects to present for fundings.

The initiative obtained the support of the Compagnia di San Paolo Foundation, which confirms its support for research and innovation in the University with the choice of multiplying the funds raised with its own co-financing, up to a maximum of 5,000 euros.

CROWDFUNDING



UNIVERSITÀ
DEGLI STUDI
DI TORINO

PARTNERS INVOLVED



- Staff composed by n.8 persons, different skills: research/ communication and media /project developer.
- Strong relation with the Governance of the University: Vice Rectors for research, Director of Research and Director of ICT and communication.

OUTPUTS



- Increasing awareness of the research of the University among citizens and stakeholders
- Increasing opportunities of funding and collaboration for young researchers

CROWDFUNDING



UNIVERSITÀ
DEGLI STUDI
DI TORINO

BEST PRACTICES IDENTIFIED

- Development of internal process to achieve objectives
- Involvement of different units inside University
- Development of the public engagement



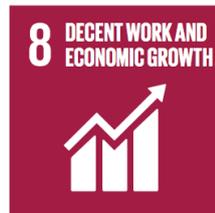
CROWDFUNDING



UNIVERSITÀ
DEGLI STUDI
DI TORINO



SUSTAINABLE DEVELOPMENT GOALS



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E2S UPPA



Development of projects with partnerships (industry, local authorities or public organizations) at several scales:

- the hubs making it possible to focus strengths on focused scientific issues, backed by a record of excellence of the group;
- the joint laboratories to exchange human resources, experimental platforms, or to share strategic orientations in order to facilitate transfer to industry;
- the chairs (senior, junior or international chairs) aim to strengthen the research power with talented researchers and to bring in complementary skills by relying on large-scale partnerships on targeted themes;
- the scientific challenges and seed funding schemes are medium-scale projects (1-3 permanent researchers) designed to initiate new topics and new partnerships.

E2S UPPA



TEAM INVOLVED



- An Operational Committee for E2S UPPA including a partnership officer is in charge of the implementation of these projects. Applications are submitted in the context of a call of applications with external evaluation.
- About 100 private partners (from major to small size) and 9 local authorities are directly involved in these research programs.
- More than 250 researchers and engineers from public and private partners contribute in these research projects.

OUTPUTS



Since 2017, UPPA have created:

- 4 hubs (50% with partnerships)
- 6 international chairs (50% with industry)
- 10 senior chairs (100% with partnerships)
- 12 junior chairs (50% with partnerships)
- 8 joint laboratories

This assertive policy of variety of partnerships and of insertion in national or international networks resulted in a global increase of €35 million in resources dedicated to research between 2015-17 and 2018-20 (+92%). The ISITE accounted for 46% of this growth and the remaining additional part (54%) came from local authorities (36%), socio-economic actors (12%) and national or European agencies (6%).

E2S UPPA



BEST PRACTICES IDENTIFIED

- Research strategy of developing partnerships and focusing instruments on fields of excellence contributes to:
 - *An increase in scientific production (18% between 2016 and 2020)
 - *An increase in the number of citations (+55% in 4 years)
 - *An increase of the resources (see above)
- For this, instruments at different scales need to be proposed to address both small companies and large groups. This may also be necessary to initiate new collaborations that start with seed-funding.



E2S UPPA



SUSTAINABLE DEVELOPMENT GOALS



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BEST PRACTICES

COOPERATION UNIVERSITY-FINANCIAL INSTITUTIONS

SPINUP PROGRAMME

The SPIN-UP programme is an initiative of the University of Zaragoza, in collaboration with Banco Santander, aimed at promoting the creation and development of Spin-off and Start-up companies at the University of Zaragoza

The SpinUP Programme mainly includes 3 actions:

I. Call for SpinUP Programme "Undertake with Unizar" by Santander University

Programme designed by and for Unizar members, their graduates and companies.

It provides all the necessary support to launch a business project and turn it into a profitable company.

II. SpinUP Programme "Consolidate your business"

The Vice-rectorate for Technological Transfer and Innovation of the University of Zaragoza (UNIZAR), through the Research Results Transfer Office (OTRI), organizes the contest for the SpinUP Programme "Consolidate your business", to select entrepreneurs who will access and participate in it.

In this Programme, entrepreneurs should build the foundations of their company or future company, validating the client and the business model, and acquiring all the tools to sell. They also participate with their UNIZAR Spin-off or Start-up in a business acceleration and professionalization process, executing their business plan and managing advanced tax and legal remains hand in hand with a team of experienced professionals, mentors and entrepreneurs.

III. SpinUP Continuous Programme

The Continuous SpinUP Programme was born to advise and support the entrepreneurs of the University of Zaragoza permanently throughout the year.

SPINUP PROGRAMME

TEAM INVOLVED



- The Vice-rector for Technological Transfer and Innovation of the University of Zaragoza (UNIZAR), through the Office for the Transfer of Research Results (OTRI) and experts from Banco Santander
- Emprender UNIZAR Chair
- Equality and Gender UNIZAR Chair
- A specific committee appointed by the Vice-rector for Technology Transfer and Innovation of UNIZAR
- Jury will be made up of external and internal members of the University of Zaragoza. As guests, other people who are not part of it may participate, with voice, but without vote.
- Equality and Gender UNIZAR Chair

OUTPUTS



- The SPIN-UP programme of the University of Zaragoza, with the support of Banco Santander, offers a range of services to entrepreneurs
- Promotes the entrepreneurship among researchers, professors and students in Unizar
- Promotes the formation of new companies, both SpinOff or StartUp, at the University
- Provides high specialized training to entrepreneurs
- Near 50 companies created

SPINUP PROGRAMME



BEST PRACTICES IDENTIFIED

- Thanks to our training and education programmes, a business idea is transformed into a successful company.
- In the SpinUP Accelerator Programme (under a competition), projects are developed with the programme "Lean Launchpad" recognized worldwide. The viability of the idea, its profitability and the possible start-up in the real market are tested. Next, it is taught how to use the tools to sell and consolidate as a company of the future.
- In the Continuous SpinUP Programme (open all year round): entrepreneurs receive business training and personalized advice.



SPINUP PROGRAMME



SUSTAINABLE DEVELOPMENT GOALS



The internal and external stakeholders interviewed consider that this project had **Substantial implementation, both at internal and external level.**

This project is directly related with the SDGs of decent work, economic growth and Industry, Innovation, and Infrastructure and partnerships for the goals. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure. The goal of Partnerships for the goals aims to help realize strong partnership and global cooperation for the SDGs.

ENTREPRENEURSHIP



1. Information

Presentation of all the actions related to entrepreneurship in front of students with intervention in amphitheatres. Mailing to all students of the university.

2. Raising awareness

Events organized to enable student to discover entrepreneurship even if they don't have any business creation project:

- Murder party/Escape Game: event to help student realise that they already have entrepreneurial skills in a funny way
- Conference on female entrepreneurship
- PhD Hackathon: 3 days dedicated to discover entrepreneurship while working on issue raised by companies to find solution
- Winter Camp Entrepreneurship: 3 days to work in group on project selected with experts, coaches and industrialists.

3. Training

Training units created for students in Bachelor's degree, Master's degree and PhD students. The aim is to introduce students to entrepreneurship tools and put them in the shoes of entrepreneurs while working on fictitious business creation project in groups.

4. Support students entrepreneurship: Statut National d'Etudiant Entrepreneur (SNEE)

- Individual and personalized support on business creation project
- Collective support with afterworks to develop network and workshops to acquire news skills.
- Unlimited access to student incubators in Pau and Anglet to work on business project in a professional área
- Possibility to substitute an internship to work on their business creation project
- Specific training for student entrepreneurs

ENTREPRENEURSHIP



TEAM INVOLVED



- 1 director of entrepreneurship
- 2 entrepreneurship support officers
- 1 pedagogical assistant for entrepreneurship
- France Active : financial support for companies
- Réseau Entreprendre Adour : support program and financial support
- Couveuse d'activités : legal hosting
- ETICOOP : support program for business creation, financial support
- BPI France : Public Investment Bank
- Credit Agricole : bank
- Tec Ge Coop : support program
- Technopark Hélioparc (Pau) and Arkinova (Anglet)
- Communauté d'agglomération Pau-Pyrénées
- Communauté d'agglomération Pays Basque

OUTPUTS



- More than 30 companies and start-ups created since 2019
- More than 500 students trained to entrepreneurship each year
- 1 to 2 events organised each month
- 2021-2022: more than 100 students with the SNEE
- 100% of students have received emails with all the information about entrepreneurship support and actions
- Around 20% of the students of UPPA have been informed about entrepreneurship in amphitheatres
- 6 events each year organised at a regional scale
- 1st action INNOUNITA implemented in UPPA with an international round table in March on food safety and food security

ENTREPRENEURSHIP



BEST PRACTICES IDENTIFIED

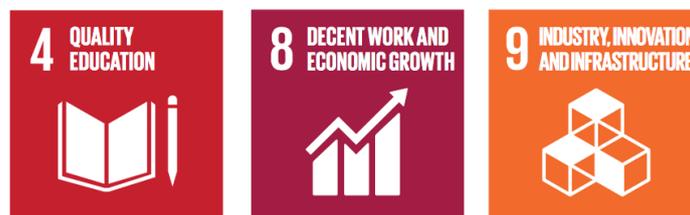
- Meet students in person
- 2 individual meetings each month for students with SNEE
- Regular links with the local ecosystem
- Mentorship with former entrepreneurs
- Collaboration with Chamber of Commerce
- Maximum of 30 students in each training
- Learning by doing methodology in trainings



ENTREPRENEURSHIP



SUSTAINABLE DEVELOPMENT GOALS



This project is directly related with the SDGs of quality education, decent work and economic growth and Industry, Innovation, and Infrastructure. The quality education goal ensures inclusive and equitable quality education and promotes lifelong learning for all. The goal of decent work and economic growth intends to promote sustained, inclusive, and sustainable economic growth and productive employment and decent work ever more important. The goal of industry, innovation and infrastructure intends for Resilient infrastructure, inclusive and sustainable industrialization, and innovation is the objective of this sustainable development goal. Enhancing rural road connectivity, increasing research and development investment, and manufacturing high tech products helps stabilize infrastructure.

CONCLUSIONS

Conclusions

It has been suggested that embracing a broad range of innovation goals and working with various partners can boost innovation performance. Universities are essential components in innovation ecosystems. The development of the regions depends heavily on the creation of innovation ecosystems. The university is a vital component in the growth of any ecosystem. The university must act with successful practices of interaction with other actors in the innovation ecosystem in addition to being a locus of knowledge.

In fact, Re-UNITA aims to transform the UNITA Alliance into a primary actor in the creation of the European Research Area, through strategic and transformative actions, by developing a common research and innovation agenda, enhancing the Alliance's human capital (students, teachers, researchers and staff) in order to value and nurture UNITA research landscape and sharing scientific infrastructures of the six universities, boosting cooperation among universities and non-academic actors - including citizens and civil society, transferring knowledge and implementing Open Science principles as a common policy of the Alliance. It is a shared goal of UNITA to fully develop the shared civic universities ecosystem. In order to do so, this report is a summary of a set of best practices performed by the Alliance that allow the institutions to mutually learn on those and further develop the new initiatives that will make possible the interconnectedness of the UNITA universities amongst them and between them and the external society.

Conclusions

In this study, thirty best practices of interaction with actors in the innovation ecosystem were collected by the six UNITA universities. This study is an assortment of best practices to be used and consulted. The six partners collected a total of thirty best practices, two best practices of cooperation between universities, nineteen best practices of cooperation between universities and business, five best practices of cooperation between universities and the government, two best practices of cooperation between universities and society and two best practices of cooperation between universities and financial institutions.

From the array of cases, we can conclude that all of them embrace concepts of "science for citizens" and "open science", reinforcing the perception of the role of university as an active actor that effectively contributes to development, not only by communicating and transferring the results of its research, but also by training the other social actors, leveraging practices and activities that consider all categories of civil actors - such as companies, NGOs, public institutions and citizens.

Furthermore, from this reading, we conclude that Universities need to find creative ways to carry out their reaffirmed triple mission, which is to boost open innovation schemes based on knowledge translation and technology transfer, ensuring excellence of governance targeted at human capital attraction and retention, as well as responsible performance management, and promoting sustainability using the SDGs as a benchmark and tool.

This document can be used as a consultation tool to put in practice new and improved ways of boosting cooperation with the innovation ecosystem.

