

Projet Erasmus+ Yabda

**Strengthening of relations between higher education and
the wider economic and social environment**

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WP2

R2.5 Yabda Hubs

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1. Introduction

This report presents a proposal for a Yabda hub model to be set up in each of the partner universities, except UCA. The Yabda entrepreneurship Hub was set up on the basis of the Yabda Entrepreneurship Hub Model from WP 1.1. The Yabda Entrepreneurship Centre Model had been developed to meet the general objectives and standards for the development of entrepreneurship in universities. The centres aim to encourage innovation and bring the entrepreneurial spirit home to young researchers as well as to policy makers and public authorities.

2. Implementation

The Yabda hubs are part of WP 2: which includes the establishment of the Yabda ecosystem, creation of the "Yabda Entrepreneurship Centres", specification of the Yabda guide, creating expertise, creation of infrastructure and network, development of the Yabda virtual space, a Yabda Entrepreneurship Centre in each partner university, training materials, the Yabda Guide, the Yabda Facebook community the Yabda Hub and the Yabda virtual space.

Objectives and Missions of the Yabda Hub

The Yabda Hubs are intended to be an interface to feed into the Yabda Entrepreneurship Development Centres. They encourage researchers and PhD students to think in terms of innovation.

The Hubs promote the orientation towards research and development in the laboratories; they push forward to bring research results to the market. A special effort was made in the fields of green technologies, energy and natural sciences, ICT and engineering. They focus on green technologies, energy and sustainable development, in line with national development priorities.

The activity started with the exploration of innovative ideas through a well-developed communication strategy, which was evaluated and revised regularly. Communication was based on regular meetings with the university's researchers and PhD students, meetings with industrial partners and outreach outside the university to independent inventors.

The hubs aimed to identify patentable ideas, advise authors and inventors on the types of copyright and industrial property protection available in the country and internationally. They also aimed to encourage young researchers to explore international patent databases in the same way as they do with databases for publications in their field of research.

The Yabda hubs:

- Conduct awareness-raising campaigns on innovation and business creation. These campaigns target research laboratories and engineering centres.
- Provide the space and resources to create a stimulating environment to bring researchers and engineers to the Yabda hubs and set them on the path to creating young start-ups.
- Provide educational training in the field of innovation.
- Help researchers to think about the valorisation of their research and to orientate it towards the needs of the market.

- Make researchers aware of the need to protect their inventions by filing patents and inform them of the possibilities of collaborating with local companies and commercialising their patents (licences).
- Informing researchers about the innovation maturity scale and who to approach for funding depending on the position of their work on this scale.

Target audience

The Yabda Hub welcomes PhD students, researchers and inventors from different disciplinary or social backgrounds. The hub encourages a multidisciplinary approach and a mix of experiences of people coming from different professional backgrounds. Associations of retired people (former executives, researchers) are called upon to mentor young people and pass on their experience.

The Hub's target audience is:

- PhD students and researchers.
- Non-graduate students interested in innovation.
- Independent inventors.
- Companies in the region.
- Professional associations interested in research and engineering.

Activities

The operation of the Hub is supervised and supported by the Yabda Entrepreneurship Centres. The entrepreneurship centres foster a sense of ownership among PhD students and faculty members, who are the main users of the hubs. They encourage multidisciplinary dialogue between the different components.

The hubs operate on the basis of informal thematic meetings. Periodically, the leaders are able to choose a societal theme and invite researchers and professionals concerned to discuss it over a coffee or a convivial breakfast. They attach great importance to sustained communication through social networks and visibility in the local press (electronic and paper).




Infrastructure and equipment

The hub has a user-friendly space that encourages the target audience to visit it easily. One or two people are present at all times to welcome, inform and connect external visitors with the Yabda centre or research laboratories that can be their contacts at the university.

The hubs contain workstations (3 to 5) connected to high-speed Internet and offering access to international patent databases.

UH1 (Settat, Morocco)

Institution:	Université Hassan 1er (UH1)
Name of the Centre:	Incubateur Universitaire / Centre d'Entrepreneuriat et d'Innovation FSTS
Date of creation:	2019
Address	L'Incubateur Universitaire et domicilié à la Faculté des Sciences et Techniques de BP 577 Settat
Name of responsible person	Mr. Moha AROUCH

University	UH1 (Settat, Morocco)
Photos	  

The equipment that was at the disposal of the UH1 were the facilities of the University Incubator and the Innovation City of Hassan I University and it included offices and a prototype centre, as well as desktop computers. For the functioning of the Centre it was necessary to acquire additional computer and office equipment.

UAE (Tetouan, Morocco)

Institution:	Abdelmalek Essaâdi University (UAE) Faculty of Science and Technology of Tangier
Name of the Centre:	Centre Yabda UAE
Date of creation:	1 st June 2020
Address	FSTT Ancienne Route de l'Aéroport, Km 10, Ziaten. BP : 416. Tanger MAROC
Name of responsible person	Mme. Meriem HAYANI

University	UAE (Tetouan, Morocco)
Photos	

Services and benefits offered in the Centre:

- Friendly place for better teamwork:
- Acoustic insulation
- Centralized air conditioning.

Desks, computers and printers are made available to Yabda trainers:

- To launch their projects virtually (through social networks....).
- For virtual design, development and simulation of products.

UB2 (Blida, Algeria)

Institution:	Lounici Ali University - Blida 2 (UB2)
Name of the Centre:	Centre Yabda – UB2
Date of creation:	January 2020
Address	Université Blida 2, Batiment A. Route d'El affroun, Affroun, 09011. Blida, Algeria
Name of responsible person	Mr. Mohamed Reda BOUCHAMA

University	UB2 (Algeria)		
Photos			

The equipment that was made available for the operation of the Centre consists of 5 workstations, 5 laptops, 1 LCD projector and 4 multifunction printers. It was also necessary to acquire office furniture.

UB1 (Batna, Algeria)

Institution:	University Batna1 (UB1)
Name of the Centre:	Euro-Maghreb Centre for Entrepreneurship, Innovation and Start-ups of University Batna1 (Centre euro-maghrébin pour l'entrepreneuriat, l'innovation et les start-up de l'université Batna1)
Date of creation:	14/02/2018
Address	Allées 19 mai, Route de Biskra - Batna, 05 000 Algeria
Name of responsible person	Mr BOUROUBA Mohamed

University	UB1 (Algeria)
Photos	

The equipment made available for the operation of the Centre by the University itself consisted of 5 stations, 4 printers, 5 laptops and 1 Datashow. It was also necessary to acquire additional equipment, including more laptops (large number of project leaders), sound equipment for the training room, tent, desk, banner and other means for awareness raising operations.

UC3 (Constantine, Algeria)

Institution:	University of Constantine 3 (UC3)
Name of the Centre:	Yabda Entrepreneurship Centre
Date of creation:	February 2019
Address	Maison d'entrepreneuriat de l'Université Constantine 3
Name of responsible person	Mme. Karima BOUFENARA

University	UC3(Algeria)
Photos	

The equipment that is available for the functioning of the Centre consists of 5 workstations, an LCD Projector (Portable), 5 Laptops, 4 Printers, Telephone / fax and Data show.

US (Sfax, Tunisia)

Institution:	Higher Institute of Arts and Crafts of Sfax University of Sfax
Name of the Centre:	ISAMS YABDA Center
Date of creation:	January 2019
Address	34 Avenue 5 Août 3002 Sfax, Tunisia
Name of responsible person	Pr. Fateh Ben Ameer, Directeur

University	SFAX (Tunisia)
Photos	

The equipment made available for the operation of the Centre consists of a reception office, a training room, a FAB LAB, computer equipment and materials, as well as dissemination materials. Additional equipment needed to be acquired. More specifically, US needed PCs (10 in total) for the training room, Data show, PCs (2) of High performance for the Fab Lab, two 3D printers and PCs for trainers.

UTEM (Tunis, Tunisia)

Institution:	University of Tunis El Manar (UTEM)
Name of the Centre:	Yabda Entrepreneurship Centre (Centre d'entrepreneuriat Yabda)
Date of creation:	18 August 2020
Address	B.P. n° 94 - ROMMANA 1068 Tunis, Tunisie.
Name of responsible person	Mr. Majed HARCHI

University	UTEM (Tunisia)
Photos	

The Hub needs specific equipment for its operation and thus it includes ten Laptop computers, five desktop computers, two Colour laser printers, a Video projector, an interactive screen and a camera. It was also necessary to acquire additional equipment, including two 3D printers and five tablets.

4. Conclusion

A total number of 9 Yabda Hubs has been created in 9 of the Yabda Partner Universities. They are operating within the context of the Yabda Entrepreneurship Centres. The Centres have been highly equipped with workplaces, desktops, computers, printers and other additional equipment, in order to host young innovative people who want to make their own start-up and work alongside a team with highly entrepreneurial spirit. The hubs identify patentable ideas, advise authors and inventors on the types of copyright and industrial property protection available in the country and internationally. They also encourage young researchers to explore international patent databases in the same way as they do with databases for publications in their field of research.