Professionalizing and Advancing Knowledge Transfer in Portugal

Ana Reis, Technology Office FCT

SEAS-ERA Workshop
17.09.13

UTEN Portugal
University Technology Enterprise Network

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Information and Communication Technologies Institute
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mission

Professionalizing and Advancing Knowledge Transfer in Portugal to foster the Internationalization and commercialization of Science and Technology

who we are

UTEN Portugal is the Portuguese network Technology Transfer Offices (TTOs) focused on the commercialization and internationalization of Portuguese Science and Technology (S&T). Member's institutions include Universities, Associated R&D Labs, University-linked Incubators and Science Parks

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Origin

- Launched in 2007 in the scope of the UTAustin Portugal partnership COLAB and extended to other partnerships: Carnegie Mellon Portugal, MIT Portugal and, the Fraunhofer Institute

- Sponsored by the Foundation for Science and Technology (FCT), with the support of the National Institute for Intellectual Property (INPI) and in collaboration with the Council of Rectors of the Portuguese Universities (CRUP)

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the network

INESC Porto - Associate Laboratory	Polytechnic Institute of Porto	University of Aveiro	University of Minho	Avepark (Science and Technology Park)	Spinpark (Technology-based Incubator)	University of Coimbra
IPN (Institute Pedro Nunes)	University of Algarve	University of Trás-os-montes e Alto Douro	University of Beira Interior	University of Madeira	Madeira Tecnopólo	University of Lisbon
ISCTE IUL	IMM - Associate Laboratory (Instituto de Medicina Molecular)	University Nova de Lisbon	Madan Parque (Science & Technology Park of Almada/Setúbal)	Technical University of LisboN	Instituto Superior Técnico (IST)	CPIN BIC (Centro Promotor de Inovação e Negócios)
Taguspark (Science & Technology Park)	ISA	IGC – Instituto Gulbenkian de Ciência	University of Açores	Portuguese Catholic University	AIBAP – BIC Beira Atlântico	PARKURBIS - Science and Technology Park of Covilhã
		University of Évora	SinesTecnopolo	Biocant		

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the network

- **all public universities** are involved, as well as those of leading Science Parks, Incubators, Polytechnic Schools and Research Laboratories

- Over **30 UTEN members**

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Strategy

- Strengthen Portuguese industry-science relations, intellectual property management, and technology transfer and commercialization competence for international markets
- Foster entrepreneurial vision and competence in Portuguese academia and business
- Provide productive international networking opportunities for Portuguese TTOs and technology-based companies and start-ups
- Deepen Portuguese understanding of challenges and opportunities of university-based technology transfer and commercialization
- Benefit from national and international experience and case studies
- Brand Portugal as a creative and innovative nation that attracts world class research and entrepreneurial talent

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Activities

- International Internships Program
- Specialized Training Networking
- Technology ventures competition
- International business development (pilot program)
- UTEN Institutional building
- Observation, assessment, reporting and annual conference

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Activities

International Internships Program

short- and medium-term internships (i.e., from 3 to 6 months) for professionals and researchers to work on ongoing projects at host institutions, as well as devoting effort on licensing and on-shoring of technologies and ideas developed in Portuguese institutions.

27 Internees

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Activities

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Networking - Thematic Workshops

Organized in close collaboration with universities, research centers and associated laboratories with the involvement of companies. Addressing specific themes on technology

19 workshops

Networking – Training Weeks

Specialized training for experienced professionals with international invited experts. A special focus on industrial liaison (ILO) programs and procedures to improve Portuguese university and industry research collaboration leading to S&T commercialization and on-shoring of Portuguese S&T in U.S. markets

9 training weeks

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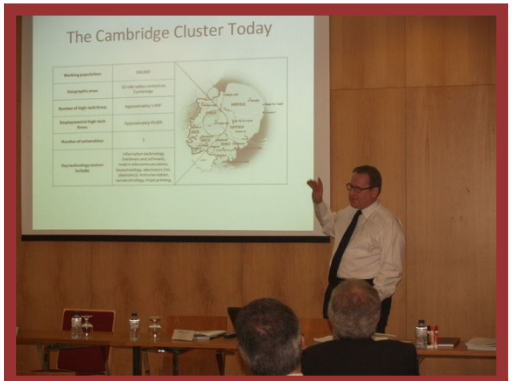
Networking - In-situ Training

In situation training will be customized to the particular needs of TT Offices. International experts will be invited to participate in these training events to transfer their know-how and experience.

3 in-situ training opportunities



Networking – Initiation Brainstorms with Students

Promoted and organized in close cooperation with Students Unions to foster knowledge building about entrepreneurship in academia, across Student Unions in Portuguese Universities and schools.

6 Initiation Brainstorms

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Activities

Networking – Leaders Roundtables

Roundtables with the directors of the Portuguese TT Offices, presidents of the Associated Laboratories, rectors, vice-rectors, and invited national and international experts to address specific issues, problems, and challenges for the Portuguese offices within technology transfer and commercialization.

A special emphasis on the institutional development and organization of procedures within the TT offices, as well as the development of ILO relationships with industry, expose Portuguese institutions to the experiences of US universities in strategically developing a robust joint research with industry.

3 Leaders rountables

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Technology Ventures Competition

ISCTE-MIT's technology ventures competition

The work will be coordinated by AUDAX, ISCTE-IUL's center for entrepreneurship and will include several sessions and events across Portugal, as well promotion within UTEN's network and coaching.

International Business Development (Pilot program)

This pilot project aims to help and assist a limited number of university-based startups and technology ventures to enter and growth in the US market.

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Activities

UTEN Institutional Building

Continuously strengthen the UTEN network in terms of structure, organization and leadership. Establishing routines for UTEN´s organization and relations among partner institutions across Portugal and abroad and strengthening the collaboration with the existing network of TTOs, the Council of Rectors and INPI.

Observation, assessment, reporting and annual conference

UTEN Survey, Spin-off Survey, TT Studies, Activities Assessment, Annual Report, Annual Conference

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qualitative results

- Strengthened **dialogue** with international partners and new **networking opportunities** for both academia and academic technology-based spin-offs
- Valuable **networking in USA**
- A portuguese technology in phase of **on-shoring at US**
- A consolidated and stronger “UTEN - University Technology Enterprise Network” as to facilitate, lead and **accelerate the commercialization of science and technology**, as well as to foster new international joint ventures in science-based businesses for emerging markets worldwide

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Workshop: Marine and Bioscience: International Research Collaboration and Network Building for Commercialization

http://utenportugal.org/events/marine-science-workshop/

- Fish nutrition and agriculture
- Aquaculture and drug discovery
- Deep sea exploration using advance robotics and other technologies
- Algal biotech
- Building strategic relationships between industry and universities
- Licensing corporate-sponsored research and negotiation of research contracts
- Hands-on training for university technology transfer officers
- Case examples of successful university-industry partnerships for commercialization

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BioAlvo: US Connect Case

BIOALVO S.A. (Helena Margarida Moreira de Oliveira Vieira, CEO) develops marine ingredients for cosmetic and pharmaceutical applications. The marine bacteria, fungi, sponge, and corals of the Mid-Atlantic Rift off Portugal's Azores islands and continental shelf constitute one of the world's riches sources of bioactives. They include the only commercial collection in the world that contains natural extracts isolated from marine microorganisms collected at a depth of 3,000 meters, able to survive in the most extreme oceanic conditions including temperatures that range from 3º to 300ºC. BIOALVO possesses exclusive access to 90,000 natural extracts derived from this diverse array of microorganisms. Screened through their innovative discovery platform, several potent applications have been identified, among them anti-wrinkle, anti-oxidative, anti-infectious, collagen production induction, antiinflammatory, anti-UVA & UVC, anti aggregation and anti-neuroinflammation."

bioalvo

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Annual Conference

http://www.altec2013.org/docs/workshop_uten2013_24072013.pdf

27-30 Octobre 2013

The 2013 UTEN Annual Conference will involve researchers and students, entrepreneurs and investors, industry and policy makers engaged in technology transfer and commercialization and will be aimed to deepen our understanding of related emerging challenges and opportunities in times of special financial constraints at a global scale. A special focus will be given in building future joint ventures with Latin America.

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