



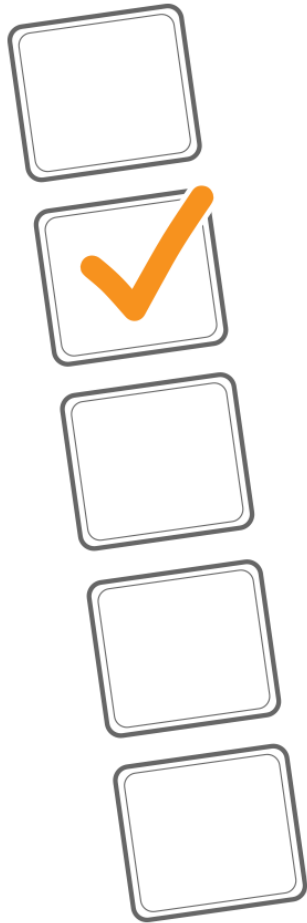
**The First National Day of Technology  
Transfer Offices “TTO’s” JRN-BuTT 2018  
Tunis Science City 27 June 2018**

## **Technology Transfer : The Engine of Economic Growth**



*M. Zied BEN ROMDHANE, Engineer  
Technology Transfer Office  
University of Monastir*

# What is a technology transfer office?



- the National Agency for the Promotion of Scientific Research (ANPR) and the National Institute for Standardization and Industrial Property (INNORPI) have established a **common vision** for TTO devices in a **bilateral collaborative agreement**.
- Implementation of technology transfer offices in Tunisian universities to **promote** and **commercialize** the outputs of scientific research.

The Technology Transfer Office (BuTT) is a local interfacing structure and a center of expertise for the services of the valorization of research results, the transfer and the partnership between technological supply and demand.

# What is a technology transfer office?



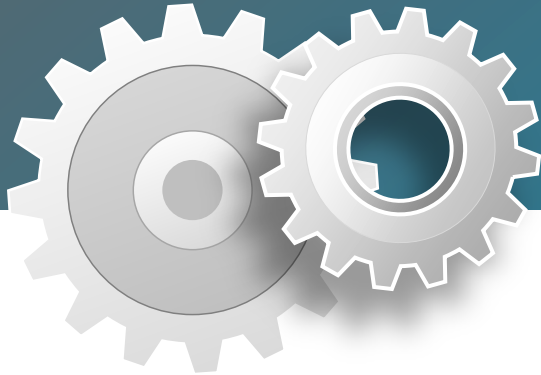
# What is a technology transfer Targets?



- 1 ■ Enhance research results and improve the visibility of academic skills
- 2 ■ Accompany researchers for the enhancement of their work
- 3 ■ Create and bring together the conditions for the transfer of research products to the benefit of the socio-economic world
- 4 ■ Strengthen the interaction between researchers and the different components of the socio-economic world

# For Whom the technology transfer office?

## For Whom the Technology Transfert Office



- Researchers carrying innovative project.
- You simply need advice and guidance for valuing your search results
- socio-economic operator who seeks a resolution of a complex technical problem
- someone who needs to be put in contact with an industrial partner or an investor
- Socio-economic actor who requires access to scientific equipment or technological advice

**ANR**  
Agence Nationale de la Recherche  
de la Recherche scientifique



## Our services

# Information

- ✓ Inform researchers about incentive mechanisms, regulatory texts, model contracts, agreements and protection, valuation and transfer files.
- ✓ Promote opportunities for national or international partnership involving research structures.
- ✓ Organize events related to innovation and technology transfer

<http://www.um.rnu.tn/actualite/fr/1634/deuxieme-appel-a-propositions--pag.html>

<http://www.um.rnu.tn/actualite/fr/1632/journee-dinformation-sur-les-mecanismes-de-valorisation-de-la-recherche-.html>

# COMMUN

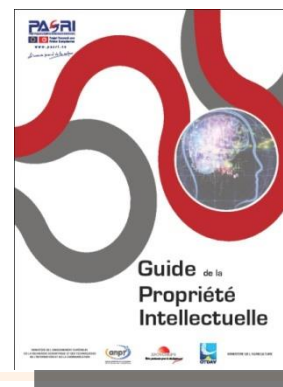
## Our services

### Communication

- ✓ Develop a variety of communication materials that enhance the national visibility of the host organization and its technological resources.
- ✓ Organize sectoral meetings between researchers, engineers and socio-economic actors with a view to linking R & D structures and partners around joint project development and monitoring.
- ✓ Organize and attend events on the theme of R & D and innovation.

## Our services

## Protection

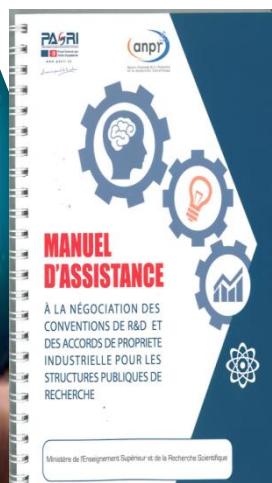


INNOPI  
Innovation pour le développement

Guide du déposant de  
brevet d'invention

Version 2018

Élaboré par les examinateurs de  
brevets de l'INNOPI



- ✓ Organize awareness and training actions in collaboration with INNOPI for the promotion of IP rights both at the university and in the company.
- ✓ Accompany researchers in the preparation of protection cases, filing and follow-up.
- ✓ Make available to researchers models of contracts and agreements that help parties to legally regulate their partnership and to work according to professional practices and in a climate of mutual trust.

<http://www.anpr.tn/wp-content/uploads/2017/01/Manuel-dassistance-de-Négociation.pdf>

<http://www.tunisie-innovation.tn/upload/1444657568.pdf>



## Our services

### Valuation

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- ✓ Practice the monitoring of opportunities to bring supply and demand closer together and assist in setting up projects or joint actions.
- ✓ Mobilize means to assist in the different phases of prototyping, testing and certification of new products and processes.

## Our services

# Transfer

- ✓ Search National and / or international technological and socio-economic partners in close liaison with the research structures.
- ✓ Organize activities related to the mobility of engineers and researchers involving research structures.
- ✓ Establish relevant databases of technological resources (human and material), businesses and relevant points of contact in the professional and associative world to promote the transfer process.

## Our services



### Marketing

- ✓ Boost the relationship between academic and socio-economic actors.
- ✓ exchange of experiences.
- ✓ Develop tools for promoting and marketing search results.
- ✓ Participate in fairs, seminars, events related to innovation and technology transfer.



**ANPR**  
Agence Nationale de la Promotion  
de la Recherche Scientifique



**BUIT**  
Bureau de Transfert de Technologie  
Université de Monastir



# Our Know How



## University Of Monastir Staff

*Creation*  
**2004**

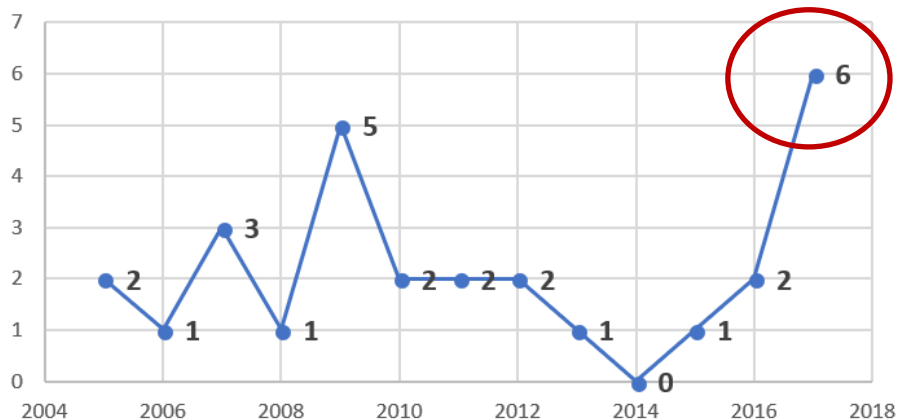
- 16 institutions (11 Monastir and 5 Mahdia)
- Students: 20000 students
- Teachers: 2000
- Administrative Staff: 1000

## University Of Monastir public research entities

- ✓ 26 Research laboratories
- ✓ 27 Research Units
- ✓ 14 Common service units
- ✓ 04 Phd Schools

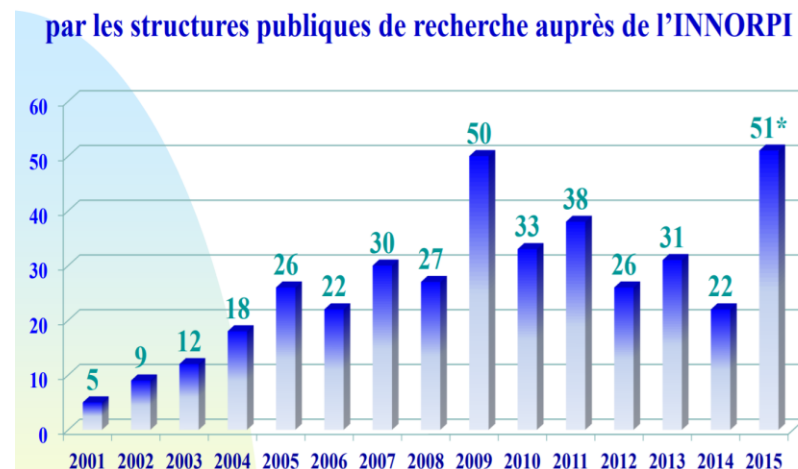
## Evolution of the number of patents filed by the public research structures within the University of Monastir at INNORPI

Evolution of the number of patents filed by the public research within university of Monastir



Source INNORPI 2018

Evolution du nombre de demandes de brevets d'invention déposées par les structures publiques de recherche auprès de l'INNORPI



Source INNORPI 2015



Increase in the patent filing level by the public research structures of the University of Monastir in 2017 at the national level

<http://www.um.rnu.tn/uploaded/butt/Version%20finale%20Annuaire%20Chercheurs%202018.pdf>

# Main socio-economic partners in scientific research and technology transfer projects of University of Monastir





## Strategic Vision




- INFORMATION AND COMMUNICATION
- VISIBILITY OF THE SOCIO-ECONOMIC ENVIRONMENT
- PROSPECTING THE ASSETS OF INTELLECTUAL PROPERTY
- VALUATION AND TRANSFER


An action plan of the Technology Transfer Office for the year 2018 has been developed by proposing concrete actions in each thematic objective

# Technology Transfer Office Work Plan 2018


## Information and Communication

- 
  - Develop communication materials for the promotion of technology transfer through programmed events


## Visibility of the socio-economic actors

- 
  - Develop commercial sheets for research structures
  - Design and develop a platform for more visibility to our human skills and our research structures
  - Organize a competition for the development of the logos of the research structures
- 
  - Flyers, Rolls up

## Prospecting the assets of intellectual property

- 
  - Organize a workshop in collaboration with the ANPR on "MANAGEMENT OF INTELLECTUAL PROPERTY"
  - Organize a workshop following the former workshop on Decree No. 2001-1182 of 22 May 2001

## Valuation and transfer

- 
  - Organize a workshop in collaboration with the ANPR on "Drafting of patents"
  - Organize a workshop on "Marketing research results"
  - Organize a workshop on "National funding mechanisms to support research and innovation"
  - Organize a workshop on "Techniques for identifying the needs of actors in the socio-economic world"
  - Organize a meeting event in collaboration with the ANPR between the actors of research and those of the socio-economic world

## Recent Activities



- Participation in the Research Valuation Days (JNVR 2017) with the presence of young researchers of University of Monastir at UTICA Tunis accompanied by their research prototypes
- **Obtaining the 3rd Prize for the Faculty of Pharmacy of Monastir in the competition of the best research projects**



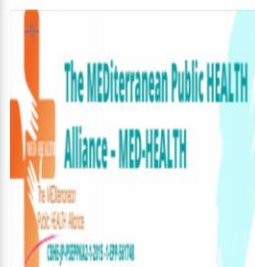
## Recent Activities



### Séminaire de lancement du dispositif MOBIDOC – Session 2017

Dans le cadre du programme d'appui à l'Education, la  
MObilité, la Recherche et l'Innovation (EMORI), ...

2018-04-18 | Voir Plus...



- Realization of the catalog of human competences

Version 2018

- ✓ **Expert Researchers**
- ✓ **research structures**
- ✓ **common service units**
- ✓ **patents**
- ✓ **contact of research structures**



ÉDITION 2018  
Mars 2018 - Juin 2018

Cœuvrons  
pour  
l'avenir

2018-04-13 | Voir Plus...

1 2 3 > Fin

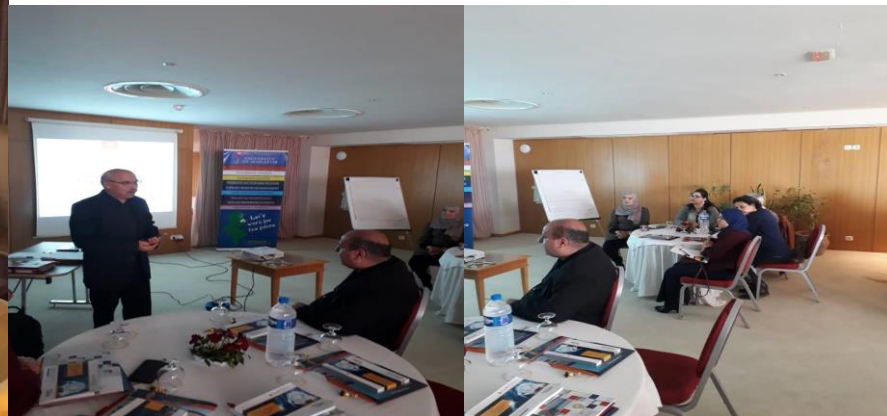
- ✓ **+160 Expert Researchers**
- ✓ **27 research structures**
- ✓ **8 common service units**
- ✓ **30 patents**



## Recent Activities



Workshop on intellectual property jointly organized by the University of Monastir and ANPR- 23 April 2018  
**For the benefit of the directors of the research structures under the University of Monastir**



## Recent Activities



Information day on the mechanisms for valorization of research. The quality support projects PAQ-Collabora, PAQ-Post PFE / MFE and the project of valorization of the results of research VRR on June 26, 2018 at the faculty of dental medicine of Monastir, University of Monastir  
**for the benefit of the directors of research structures, researchers and young graduates**

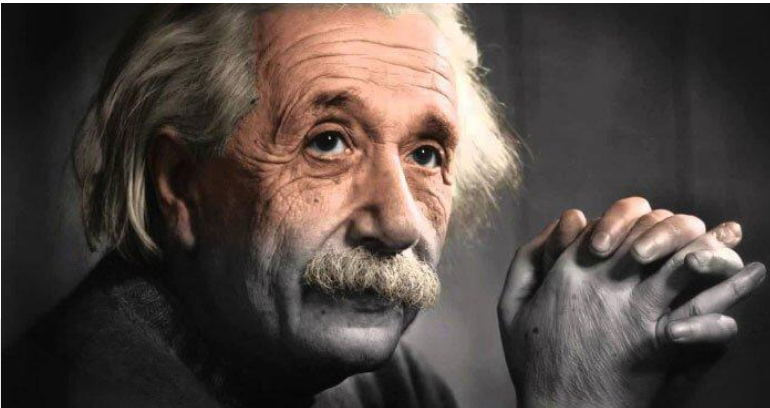


## Proposal of concrete actions to be carried in TT

- Have a legal framework for technology transfer offices that eventually determines the missions to accomplish and that gives much more flexibility in the financial management of university-industry contracts.
- Have a procedures manual for transfer offices that defines the missions, objectives and actions to be undertaken in the context of technology transfer.
- Schedule a training session for TTO referrals to develop their property expertise particularly in the drafting of university-industry contracts and agreements.
- Intensify meetings and events of research and innovation to strengthen the contribution of the industrial world in the valuation of university projects (events, forums ...)
- Support the mobility of researchers in foreign universities to benefit from feedback.
- Design standard models of collaborative contracts to avoid claims on property rights intellectual.
- Organize a research and innovation event on the Maghreb scale (North African countries of Africa) to exchange expertise around the valuation of results and research products.
- Endorse the valuation of scientific research in the socio-economic world through the use of new technologies means of financing.
- Devote an annual budget of the ANPR to cover the filing fees of the best Tunisian patents in an international scale, which gives much more visibility to our research products.
- Develop a clear strategy for monitoring research and innovation projects already exploited by socio-economic actors, and detect the economic impact of its results on the region.

"لَيْسَ الْعِلْمُ مَا حُفِظَ , الْعِلْمُ مَا نَفَع"  
الشافعي

Imagination is more  
important than knowing







**HAVE ANY  
QUESTION**



ELSEVIER

Thank you





**Need more information?**



Technologie Transfer Office, University of Monastir

University of Monastir Website

[www.um.rnu.tn](http://www.um.rnu.tn)

Presenter: Zied ROMDHANE

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