

# Financing pre-matured and matured projects

DIM QuantIP - Valorization Awareness Day 2023 -  
January 25<sup>th</sup>, 2023

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The QuantIP logo consists of the text 'QuantIP' in a stylized font with a blue-to-purple gradient, followed by a right-pointing chevron symbol.

Domaine de Recherche et d'Innovation Majeur

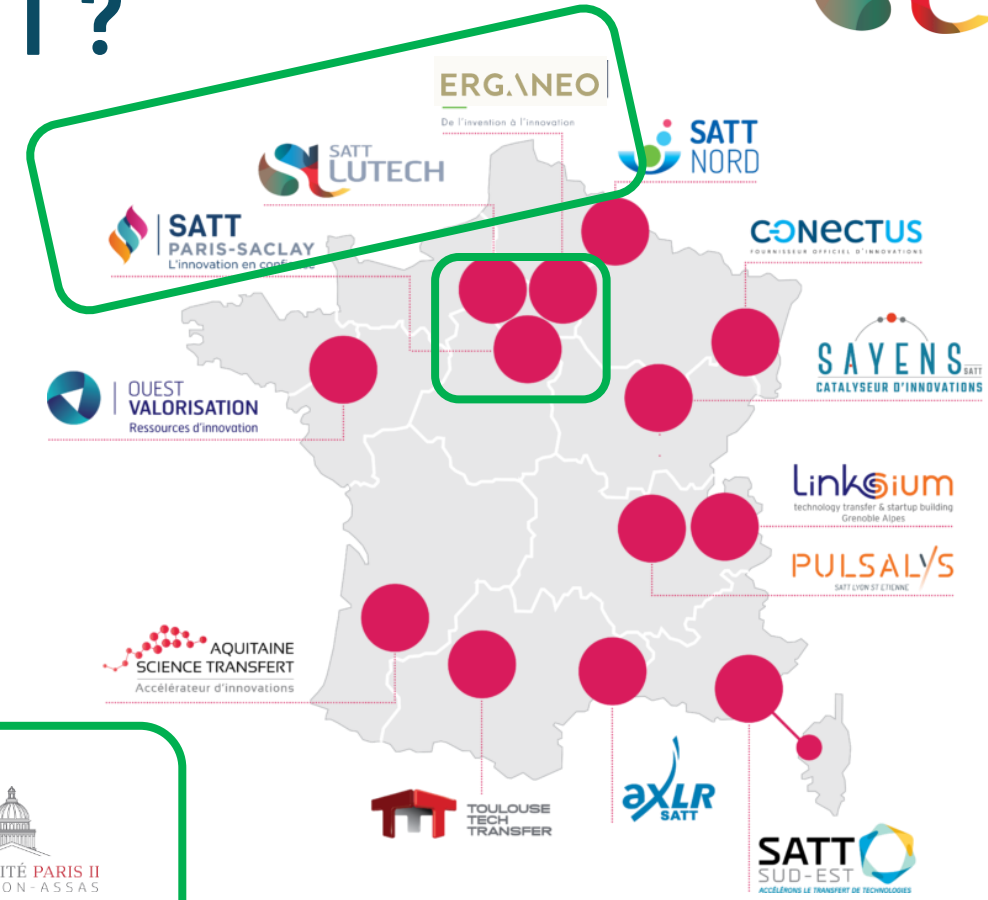


# What is a SATT ?

## Société d'Accélération du Transfert de Technologie

Stemming from the "Investments for the Future" program, **13 SATTs were created across France** to help research become future innovations.

Created in 2012, **SATT LUTECH** is the dedicated **Technology Transfer Office for Sorbonne University Alliance**.



**LUTECH invests in technologies** coming out of its territory's research labs to **accelerate** their level of technological maturity and **secure** their entry into the markets

# Why a dedicated structure ? (1)

## Our mission :

Turn the fruits of the public research into economical, societal and environmental benefits (3<sup>rd</sup> mission of the Universities)



Support the governmental strategy for delivering innovations in sectors of interest.

- **National Quantic Plan**
- **500 new start-up 'Deep Tech' / year**



→ **Role : Pilot and finance maturation programs (support High risks !)**

# Why a dedicated structure ? (2)

To Identify and Co-Construct a dedicated 'Transfer' axis



Personal and professional development  
&  
Fit Technology / Market  
&  
Adequate team

Pour la 1<sup>e</sup> fois on a la possibilité de répondre à des problèmes de société

Je voulais faire du transfert : je trouvais dommage de travailler pendant 3 ans et que tout s'arrête

# LUTECH in the innovation ecosystem of SU

Coll. with Research and valorization departments :  
Prématuration



- **Detect** researchers and technologies as candidates for transfer (Valorization calls...)
- **Validate and Support** getting specific financing : **pre-maturation activities** (CNRS & SU)

**DI :  
Declaration  
of invention**

Research Institutions

1

2

3

Research

Technology concept formulated

Laboratory Demonstrator



# LUTECH in the innovation ecosystem of SU

Coll. with Research and valorization departments :  
**Prématuration**

**Maturation SATT :**  
Turning technologies into products



- **Detect** researchers and technologies as candidates for transfer (Valorization calls...)
- **Validate and Support** getting specific financing : **pre-maturation activities** (CNRS & SU)

- **Validate** the market expectations
- **Define** the most appropriate industrial transfer strategy (start-up vs. licensing to an existing company)
- **Maturation : Invest** into the development of a proof of concept
- **File** patents

Direct licensing to existing Companies

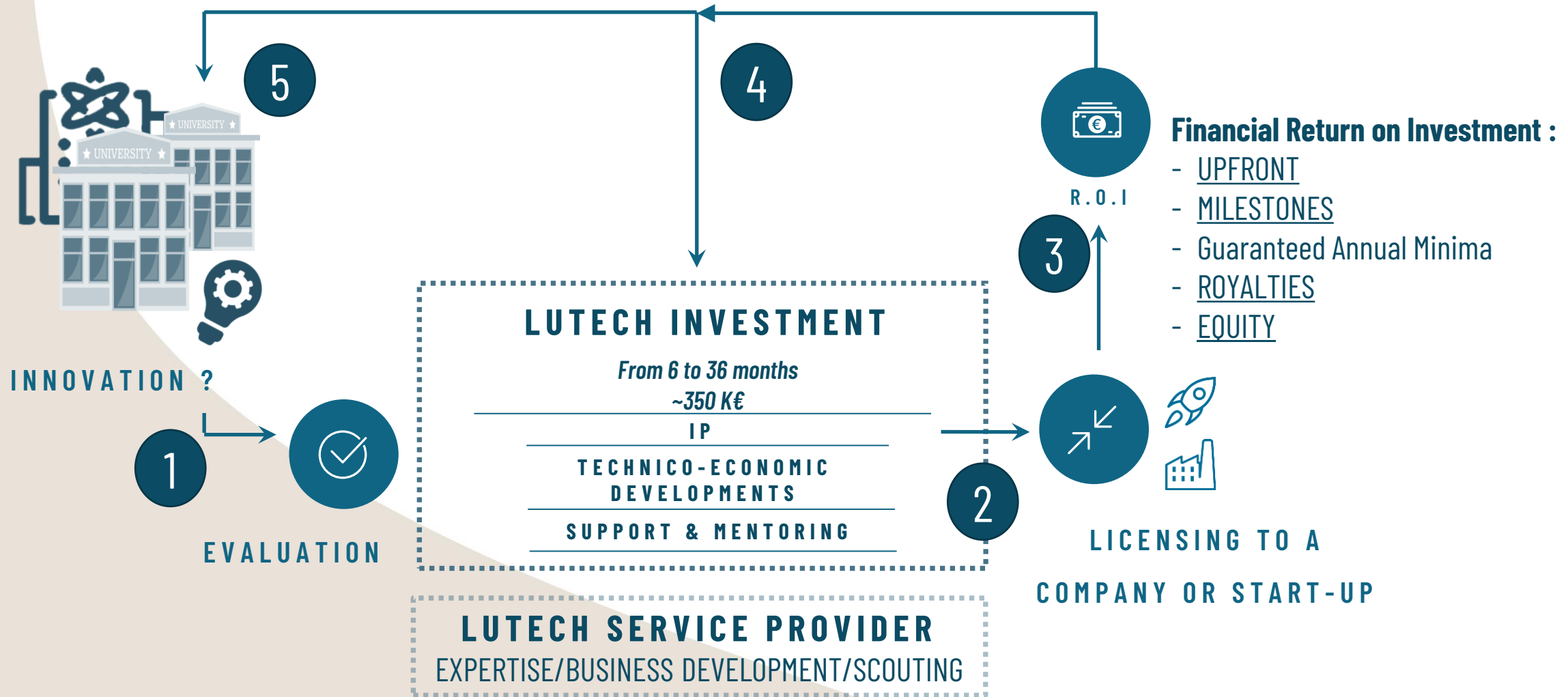
Support the creation of start-ups and licensing

**DI :**  
**Declaration of invention**



**TRL scale**      **Idea**      **Prototype**      **Validation**      **Production** <sup>6</sup>

# LUTECH business model



# To support Entrepreneurial projects : iPhD and « Boost your PhD »



**48,9 %**

Des jeunes chercheurs sont intéressés par le fait de fonder ou co-fonder une start-up (+6,4pt)

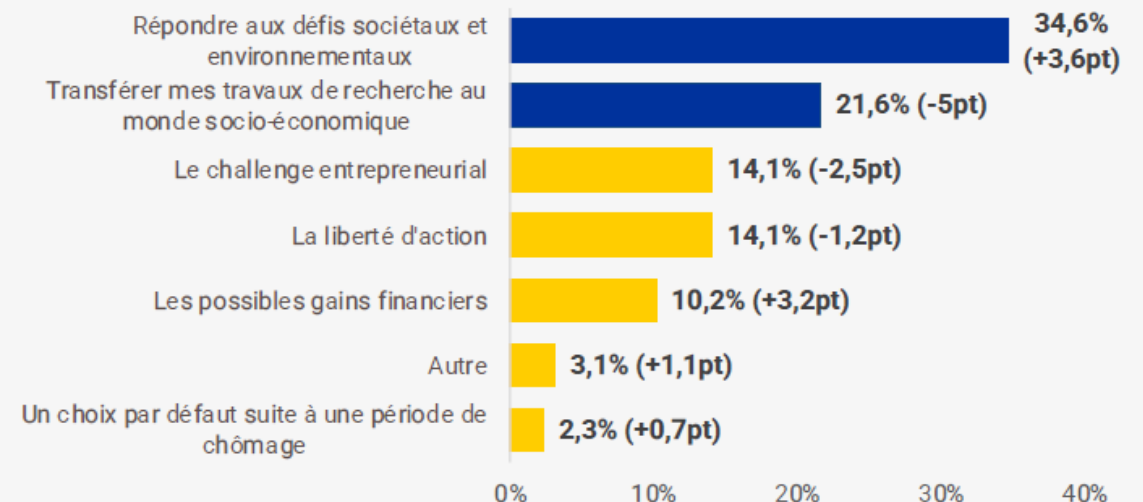
**56,2 %**

Des jeunes chercheurs envisageant de créer leur start-up souhaitent avoir un impact sur la société en répondant aux enjeux sociétaux et environnementaux ou en transférant leurs travaux de recherche vers le monde socio-économique

*\*Baromètre national Jeunes Chercheurs et Entrepreneuriat par PhD Talent en partenariat avec BPI France (juillet 2022)*

## Ma principale motivation à créer une start-up serait :

*En % des répondants étant intéressés par le fait de fonder une start-up*





# The support of LUTECH gives access to the i-PhD call

## FOR WHOM ?

### You are :



A 2<sup>nd</sup> year or 3<sup>rd</sup> year PhD-student

OU



A young PhD researcher (thesis defended less during the last 5 years)

### You have :



An innovative technological project related to a research laboratory

### You have the support of :



Your TTO and your laboratory

# i-PhD

## concours d'innovation



### A LA CLEF :

- 1 an de mentorat par un entrepreneur expérimenté
- L'accès à la formation « DeepTech Founder »
- Accès à la bourse FrenchTech (30k)

On-going  
Call until  
March 30<sup>th</sup>

# « BOOST YOUR PhD » : the call for projects dedicated to all 2<sup>nd</sup> year and 3<sup>rd</sup> year PhD-students of Alliance Sorbonne Université



You believe that the results of your PhD work meet **needs of the society** ?



You project yourself into an **entrepreneurial project** to give birth to an **innovative product / service** ?

Next Call  
May - Nov.  
2023





The most popular public-key algorithms can be efficiently broken by a sufficiently powerful quantum computer. Cryptonext mission is to deploy the next generation of cryptographic standards that will make your IT resilient against quantum computers.



# Success stories



LIP6



Institut de la vision



ISIR



High-performance Quantum Memory in order to interconnect multiple Quantum Processing Units (QPU).

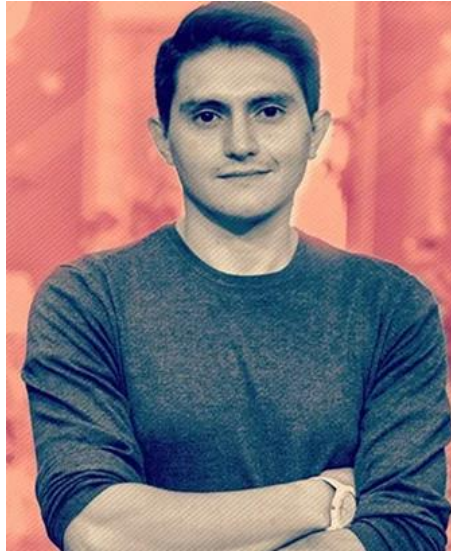
Cailabs masters light shaping to design, manufacture and sell innovative photonic products in free space transmissions, industrial lasers, local area networks and telecommunications.

LKB



## DIGITAL & ELECTRONICS

# Laureates of i-PhD contest



## **Edison Gerena**

Lauréat Grand-Prix i-Phd 2021 BPI.

### **Laboratoire ISIR**

Projet : Optobots

Micro-robots pour la manipulation unicellulaire lors de la procréation médicament assistée



## **Alan DIAZ**

Lauréat i-Phd 2022 BPI.

### **Laboratoire LIP6**

Projet : Synclock

technologie innovante, pour protéger la PI des émetteurs-récepteurs radio fréquence et sécuriser la chaîne d'approvisionnement des puces de communication sans fil.



**To accelerate = to meet  
... so come and have a talk !**

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**Thanks!  
Questions?**