

Sharing tools with Mediterranean Players

The example of the EU Project: **Bio-CT**
(European Biotechnologies Common Tools).
(FP7-Regions of Knowledge)

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ICT & THE FUTURE OF INTERNET

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SESSION: EURO-MEDITERRANEAN INNOVATION NETWORK

Chair: Sen. Pierre Lafitte

Supporting Companies Creation and Development



Genopole Entreprises : The Score

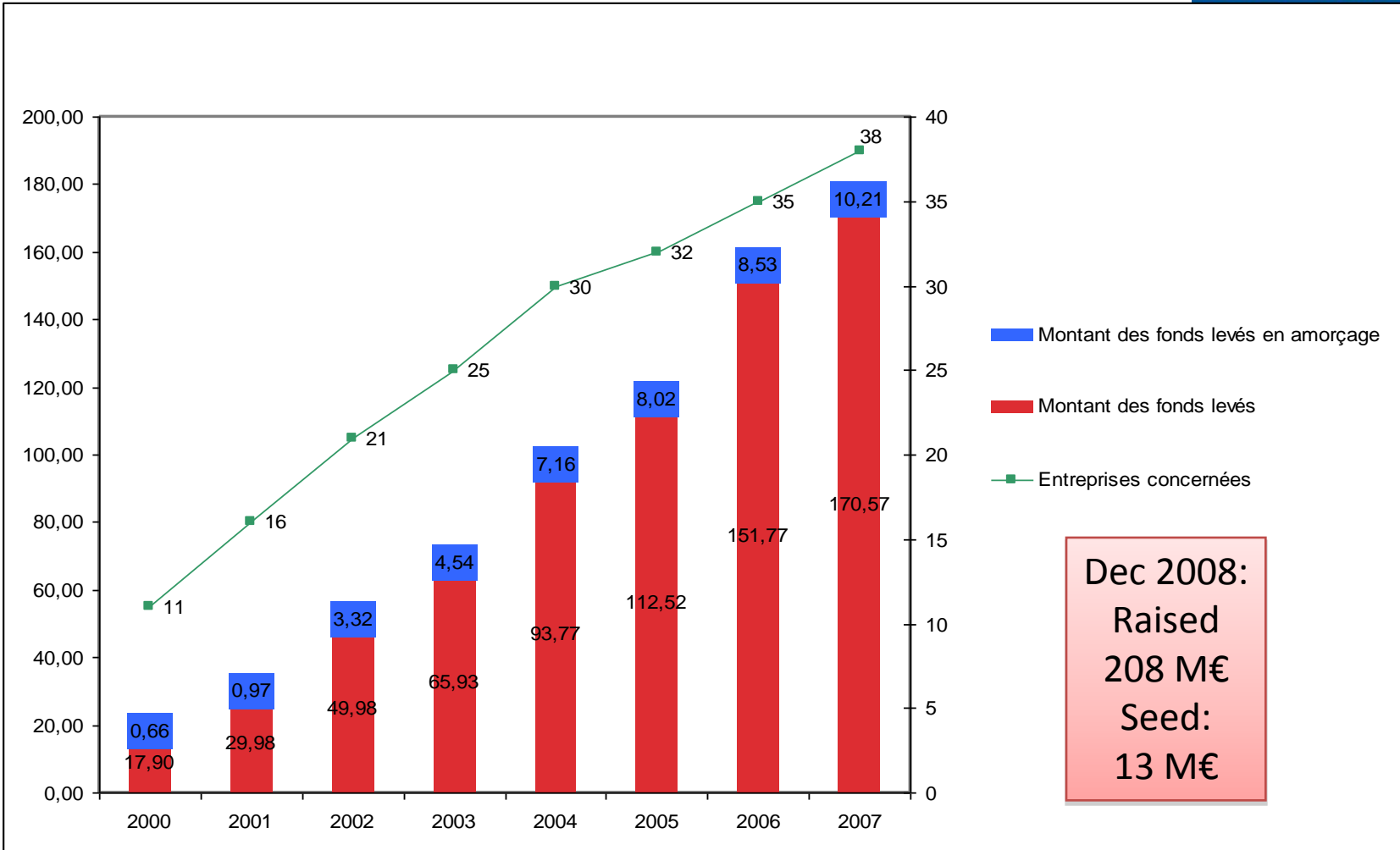
- 108 Companies launched in 10 years of operations.
- 69 Companies presently out of which 42 created & incubated in our site with our support
- 30+ companies have revenues with a total of 144,11 M€ (In 2008)
- 70 molecules in Clinical Trials
- First therapies expected on the shelf by end 2009 (antisens Oligonucleotides – neovascular glaucoma, cationic Emulsion - vernal kératoconjunctivitis)
- A Pipe Line of 15 prospect Cies under study
- 670 Patents filed by Genopole Cies

TOTAL FUNDS RAISED BY GENOPOLE COMPANIES

(Cumulated M€)



SUCCEED TOGETHER IN BIOTECHNOLOGY



Who Are We?

Paris Region Bio-cluster

Top 1 in EU for S&T

- 7,5 % GDP devoted to R&D -

- ❖ **8 Bioparks**
- ❖ **Over 150 biotech Cies - 4 000 jobs -**
- ❖ **300 public and private research centers**
- ❖ **324 pharma Cies - 32 257 jobs -**
- ❖ **363 medical equipment Cies - 10 434 jobs -**
- ❖ **90% of the French CRO**
- ❖ **The largest European hospital system - 41 state-run hospitals (25 000 beds) -**
- ❖ **Hot spot for clinical trials**



The GMP Biomanufacturing Genopole Centre



- **Opens on early 2008**
- **Preclinical batches**
- **Clinical batches for phase I and II (phase III for rare diseases)**
- **Culture process uses genetically modified mammalian cells : CHO, NSO, SP20...**
- **GMP compliance**

Bio-Technology Common Tools (Bio-C.T.)

Sharing tools to build Excellence

- EU Bio-Regions need to build attractiveness and excellence through **heavy investments in R/D Infrastructures and services**. Bio-CT addresses this question:

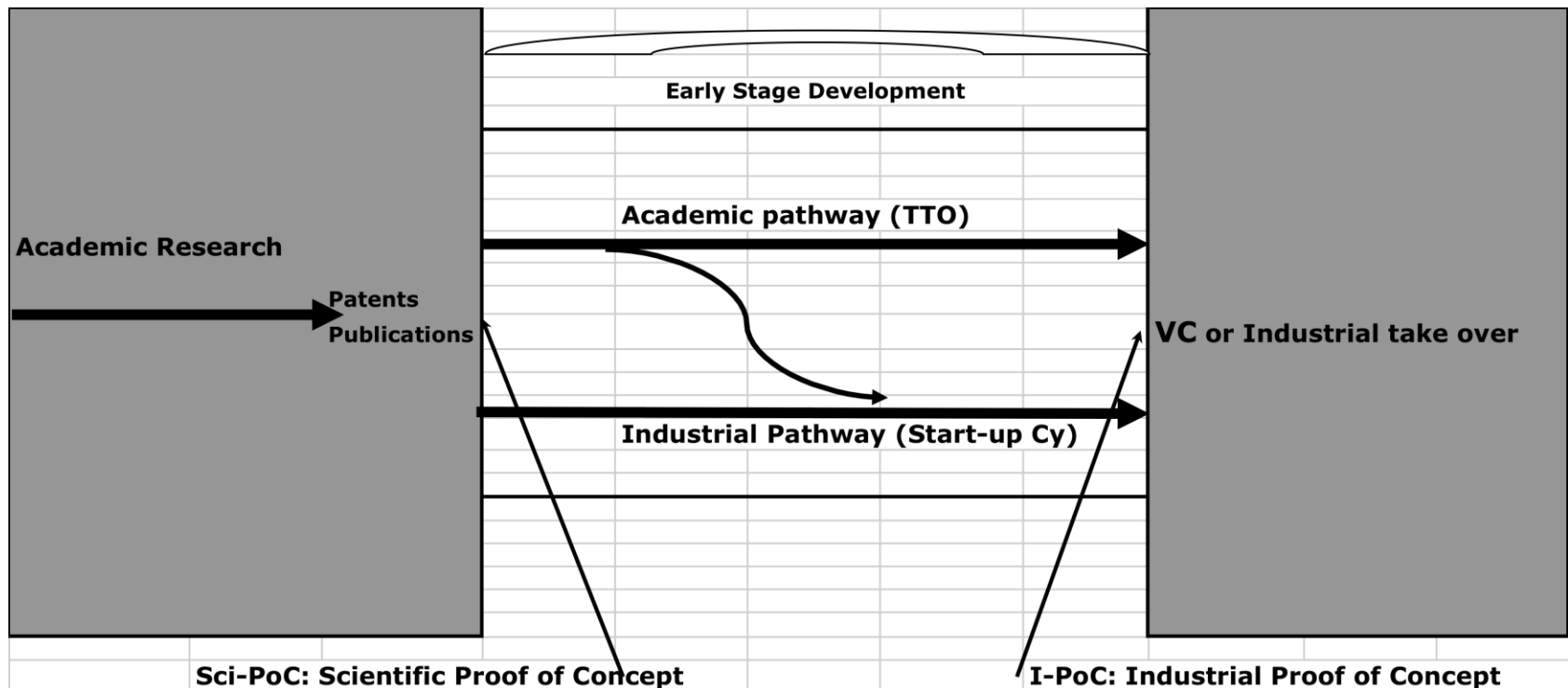
How could EU Bio-Regions share such tools?

- Bio-CT aims at building a **joint action plan** for such sharing in order to foster mutual regional competitiveness. >>>> **A Business Plan.**

Chosen area: Early Stage Development

“The Death Valley”

- Between the scientific proof of concept (**Sci-PoC**) and the Industrial proof of concept (**I-PoC**)
- Consist in achieving a **Project Maturation** in its **dual** path:
 - ✓ Through creation of a **Company** or
 - ✓ Through **internal maturation** (Within Academia or not) .



Consortium Members

7 members from 6 countries. 5 Bio-Clusters

Beneficiary Number *	Beneficiary name	Beneficiary short name	Country
1 (Coordinator)	Genopole	Genopole	F
2	Fundacio Privada BioRegio de Catalunya	Biocat	E
3	Technologiestiftung Innovationszentrum berlin GmbH	BioTop	D
4	Bioindustry Park del Canavese SpA	BioPark	I
5	Debreceni Egyetem	GND RKC	H
6	InnoTSD	Inno	F
7	ERBI Ltd	CEBR	UK

Three main work Packages

- **Project maturation (BioTop Berlin)**
 - ✓ Company incubation or
 - ✓ “Molecule” incubation
- Access to the **Human resource and their mobility. (BioCAT Barcelona)**

Example: Could Bio-regions co-operate in **Reverse Brain Drain** actions?
- Access to **first class facilities**, (GMP, ...), located in **other Bio-Region. (BioPark Canavese - Torino)**

Important items

- Examples will be taken in the specific area of **Translational Medicine**. (Genomics, Proteomics, Epigenomics, Metabolomics. Special focus on clinical situations in CNS, CVS, Oncology, inflammation.)
- Compulsory **consistency** of JAP with the **R&D agendas of Regional Governments** in the Partners' Regions.

Projected outputs

Final Joint Action Plan (JAP) will contain, for each of 3 main topics, a **set of mutualised tools with instruments of **implementation** between several **Bio-Regions**:**

- Governance scheme,
- Selection procedure including: pre-auditing,
- Expert assessment,
- Legal procedures (Intellectual Property, ...),
- Financing system,
- Set of contract models: (Confidentiality obligations, Financial commitments, ...)

Dissemination will be implemented by **CEBR**

CALL FOR “2nd CIRCLE” MEMBERS



- **All EU Bio-Regions, including emerging ones, may apply for a “2nd Circle” unofficial participation in Bio-CT.**
- **Mediterranean Bio-Regions may also apply**
- **The objective, beyond sharing the thinking, is a possible participation in the final JAP.**
- **Second Circle is already composed of:**

Heidelberg, Madrid, Leiden, Krakow, Jerusalem.

Official candidates: Rabat, Pretoria, and you ?

Thank you for your attention