

Toulouse White Biotechnology

Basics of the TWB consortium agreement

As a reminder: Missions of TWB

- Facilitate the **public research / industry interface** in the field of White Biotechnology
- Improve the development of new methods of sustainable production through the use of **innovative biological tools** (enzymes, microorganisms) and **competitive process**, in the field of:
 - chemistry
 - materials
 - energy



As a reminder: What is TWB ?

- **A pre-industrial demonstrator**
built by a **public-private partnership (2012-2014)**
 - 20 private companies, 5 investors, 2 tech transfer companies, 9 public bodies
- Consisting of a **joint service unit INRA/INSA/CNRS**
 - administrated by **INRA**
 - with 53 collaborators including 32 involved in projects (end of 2013)



As a reminder: Partners 2012 / 2014

Industrial partners



TOTAL

L'ORÉAL



Rhodia



libragen



Academic partners



Investors & tech transfer partners



SOFINNOVA PARTNERS



As a reminder: Funding of TWB

- Created in 2011, granted by the French National Agency for Research to the level of **€ 20M over 10 years**
 - € 10M for equipment
 - € 10M for running costs
- Fees from the partners of the consortium
 - around € 0.8M / year

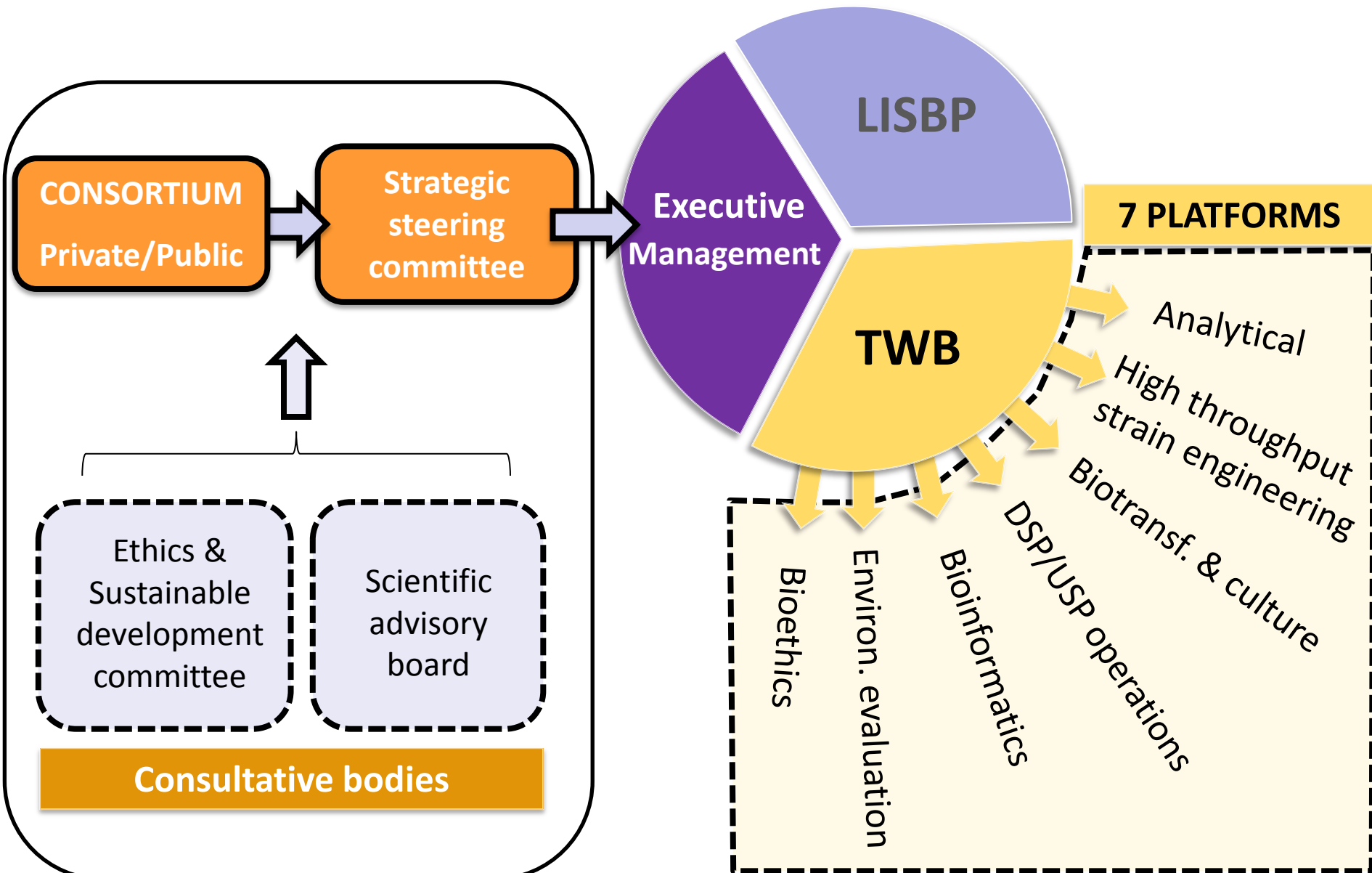


As a reminder: TWB skills



- **Scientific excellence of the LISBP** (Laboratoire d'Ingénierie des Systèmes Biologiques et des Procédés) of the University of Toulouse **and of the public laboratories in collaboration**
 - Enzymatic engineering with optimized catalytic functions
 - Metabolic engineering (synthetic biology)
 - Microbial consortia engineering
- **7 leading edge technical support platforms**
 - Analytical, High-throughput microbial strain engineering, Biotransformation and culture process, DSP/USP operations, Bioinformatics, Environmental evaluation, Ethics

As a reminder: Governance of TWB



Consortium of TWB

- **Consortium agreement** (modified by amendments)
signed by public and private partners
- **Strategic steering committee**
 - 1 President and 2 Vice-presidents
 - Voting right: 50% private / 50% public
 - 2 meetings / year
- **Strategic role** in determining orientations for TWB
- **Predefined rules of IP and confidentiality** for simple contractual relations

Consortium of TWB

● 4 categories of partners with different commitments

- Category industrial company → 1 project
- Category investor → 1 investment
- Category technology provider → technological contribution, loan of equipment, ...
- Category public body and local organization → human and financial resources, materials

→ **OPENING OF THE CONSORTIUM TO JANUARY 1ST, 2015**

Consortium: Membership conditions

- Duration: 3 years

- Annual fees:

Category		Workforce	Turnover (€ millions) or Total balance sheet		Annual fee
Company					
	Large	>250 employees	> 50	> 43	€ 75 k
	Medium	<250 employees	< 50	< 43	€ 15 k
	Small	<50 employees	< 10	< 10	€ 7,5 k
	Very small	<10 employees	< 2	< 2	€ 5 k
Investor		/			€ 5 k
Competitiveness cluster		/			€ 5 k

→ Promote TWB as a collaborative structure

Consortium: Types of projects - 1

- **Proprietary research projects:** to generate fundamental and innovative discoveries, financed by TWB

IP 100% public

- An annual tender
- Projects are selected by the strategic steering committee
- Partners participate in steering committees of projects
- Priority of access to projects information and IP for the partners



Consortium: Types of projects - 2

- **Industrial projects:** built between companies and academic research labs
 - IP 100% belonging to industry with milestone payments**
(Generic knowledge is the property of TWB)
- **Intermediate projects:** jointly granted by industrial (15% to 50% of the total cost of the project) and public bodies
 - IP shared according to contribution level**

Consortium: Projects activity report

- **Proprietary research projects:**

- 12 projects and 3 tenders (2012 – 2013 – 2014)
 - 4 patents pending

- **Intermediate projects:**

- 3 projects

- **Industrial projects:**

- 11 contracts

- 1 patent pending by an industrial company

In conclusion: To be a member of the TWB consortium for...

- Being at the heart of **an advanced scientific environment** in the area of White Biotechnology
- **Accelerating its projects** of industrial development
- Accessing to a **large industrial network** in its field, leading to synergies
- Being a member of steering committees for research projects and having **privileged access to intellectual property**
- Benefiting from the use of **state-of-the-cut technical platforms**
- Sharing **tools of TWB** (scientific watch, internal newsletter, contract models)

Thanks for your attention

