

Joint Forum for Dialogue with Regional Industrial Partners

Carré Bellecour

November 25th '06

« INSA de Lyon / Private firms» focus on

« Research laboratories / Private firms»

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- 1.2. Continuing Education
- 1.3. Research



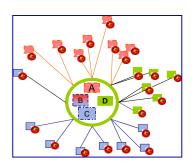
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- 2.2. INSAVALOR activities
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 - Marketing & communication
 - Accommodation for firms



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- 3.3. Coordinating Multi-partner project

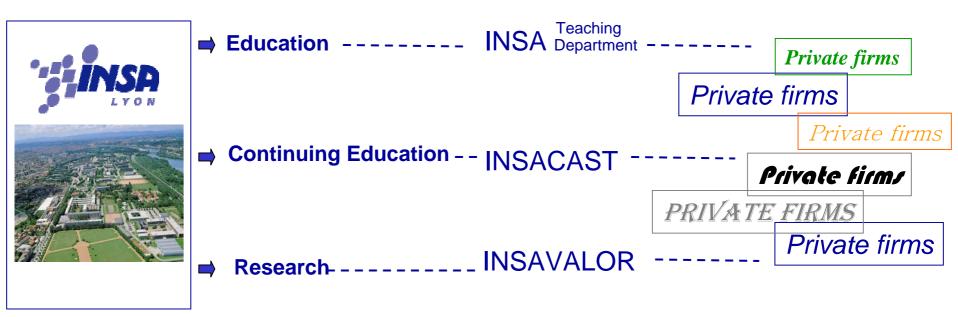








Coordination by Direction of Relationships with firms





1.1. Education

INSA de Lyon
 5400 students
 866 engineers graduated per year
 12 engineering specializations
 28% of foreign students

www.insa-lyon.fr



Employment of young graduated

Private firms





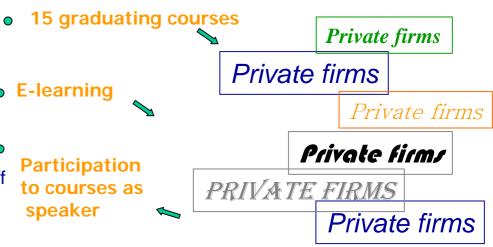
1.2. Continuing Education

320 short training courses

INSACAST S.A. Subsidiary of INSA de Lyon

- 40 years existence and expérience
- 1 600 traineers per year
- 350 training sessions per year
- Turnover : 3 millions d'Euros
- 15 engineers and administrative staff
- 350 teachers
- Network of 20 universities partner

www.insacast.fr





1.3. Research

INSAVALOR S.A.
Subsidiary of INSA de Lyon

Created in 1988

Turn over : 10 M€/year 1000 contracts per year

15 engineering and administrative staff

500 researchers

www.insavalor.fr



1. Technology Tranfer (Research contract)

2. Technological Marketing and Communication

Private firms

Private firms

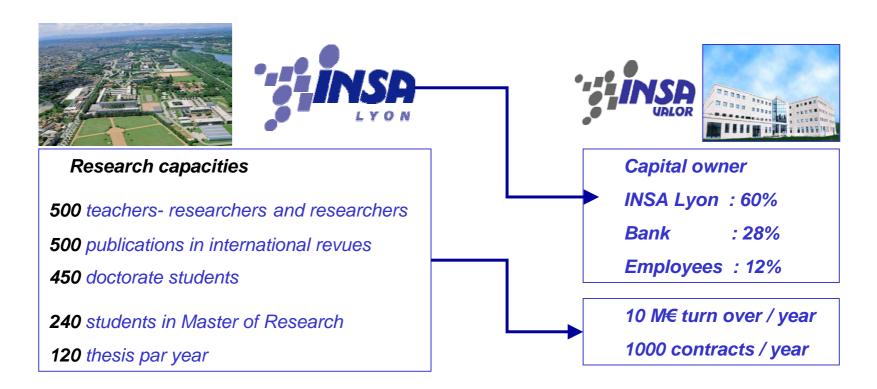
Private firms

Private firms
PRIVATE FIRMS

Private firms

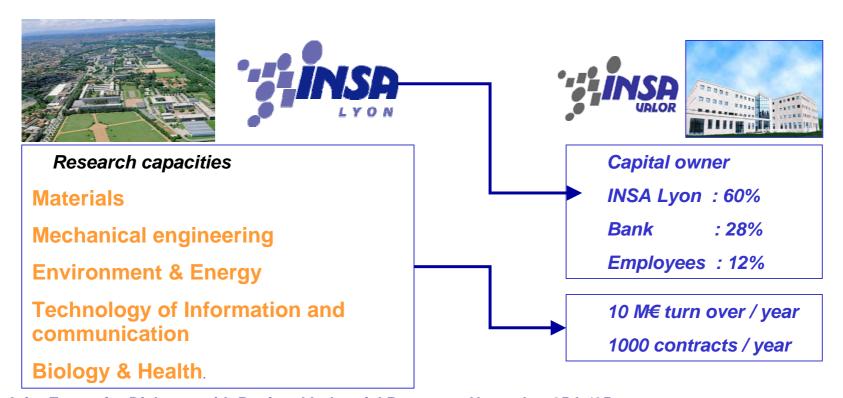


2.1. INSA de Lyon - INSAVALOR



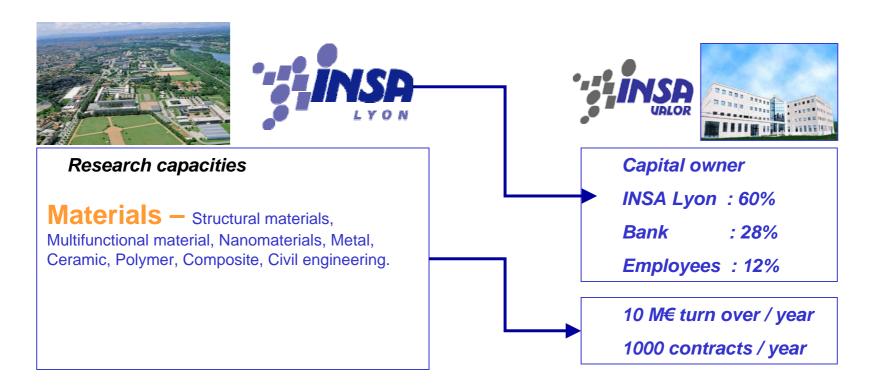


2.1. INSA de Lyon - INSAVALOR

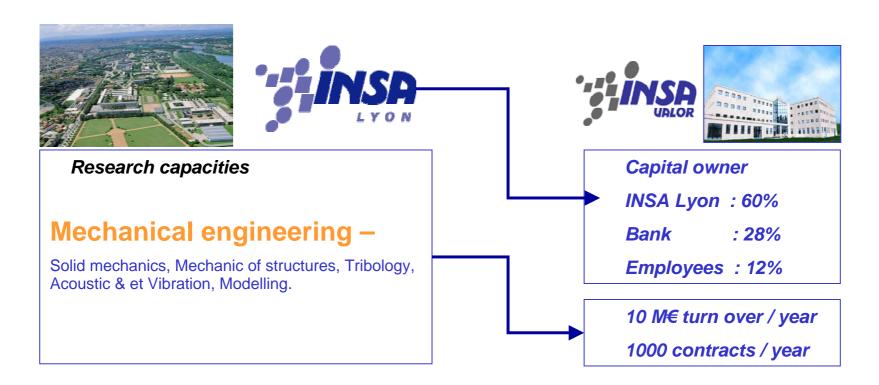


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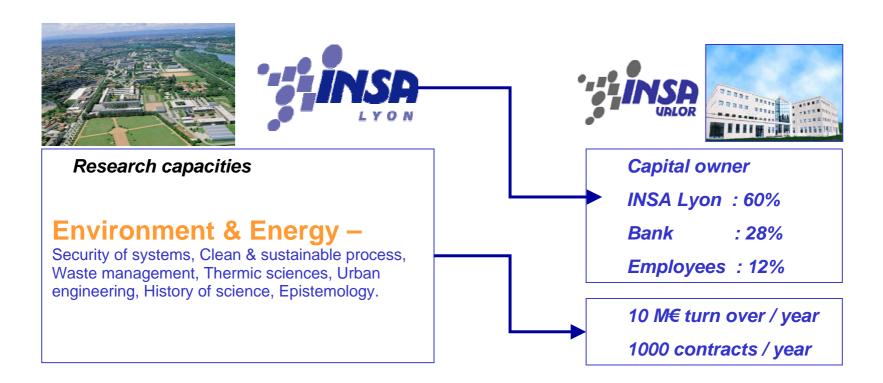




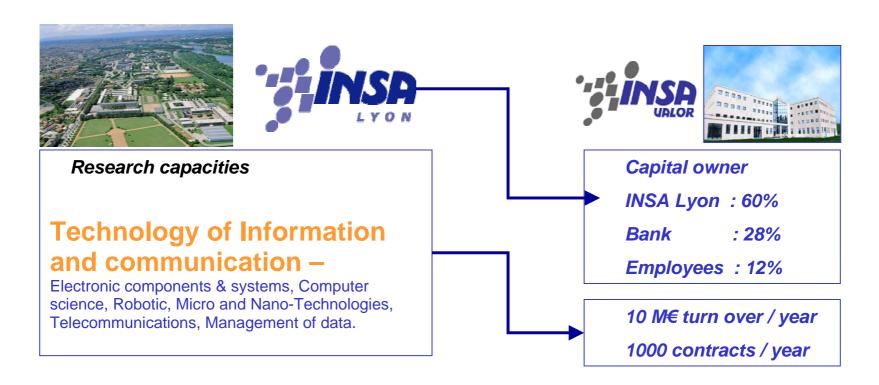




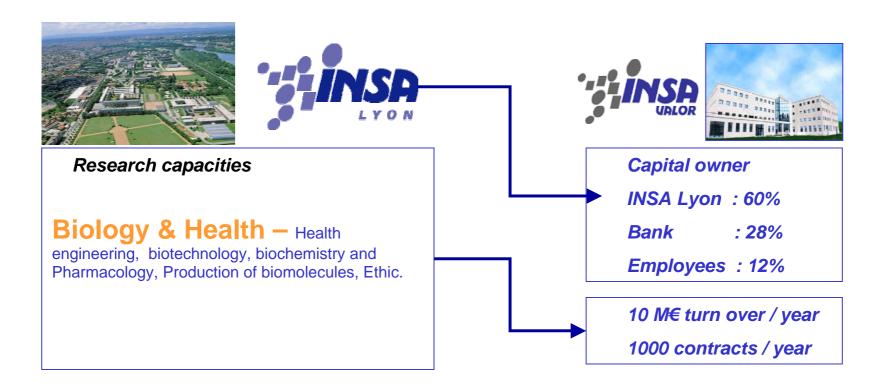






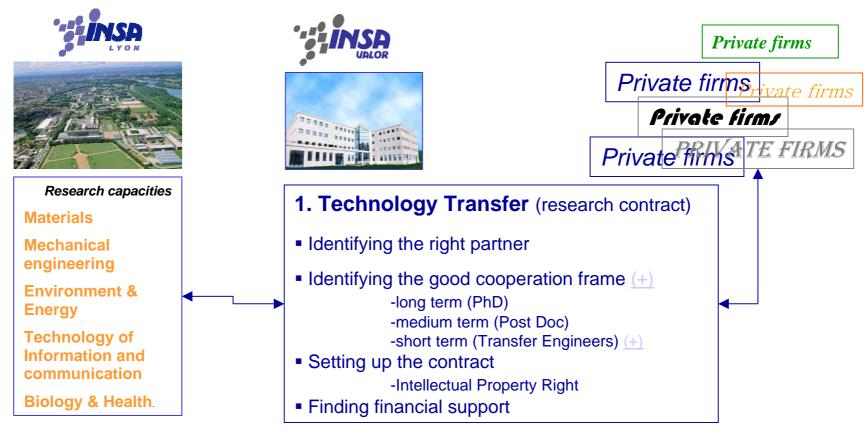








2.2. INSAVALOR activities



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2.2. INSAVALOR activities



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2.2. INSAVALOR activities





3.1. Integrated approach

- Developing global agreement with private firms
 - "key account" relationship

Ex: Plastic Omnium

- Developing a mix between "research contract" and "educational activities".
 - Ex: organising "Brain storming" session for private firms where researcher and students work together.



3.2. Promoting pluridisciplinary approach

Pluridisciplinary Research in Polymer processing...

Applied Mathematical Laboratory of Lyon

Laboratory of Macromolecular Materials Laboratory of Pluridisciplinary Research in Polymer processing

Group of Metallurgy and Materials Science



Materials



Process



System Function

Thermal Sciences Centre of Lyon Contact and Solid
Mechanics Laboratory



3.3. Coordinating multi-partners project

Clusters

A regional initiative ...inspired by Network of Excellence – Gathering researchers from a common scientific community...





Pole of competitiveness

A state initiative... inspired by MINATEC model

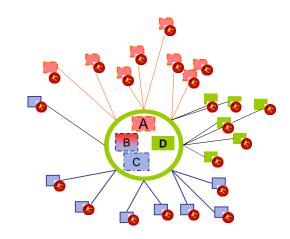
- powerful concentration of skills and resources
- ambitious investment policy (reduction of tax for innovating project,

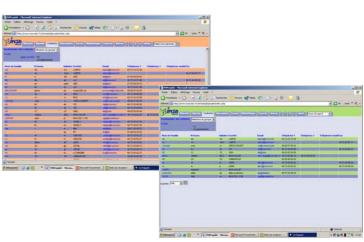
Chemistry & Environment Polymer processing : Plastipolis



3.3. Coordinating multi-partners project

- Administrative support
- Logistic support
 - organising and co-animating meeting
 - E-room
- Setting up consortium agreement
 - Suggestion Mediation Negotiation Finalisation
- Communication Dissemination







Thank you for your attention.

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Annexes



Example of collaboration

2.1. Research contract – long term (ex 1)

PRPOSPET

Partners: IMP-LMM (INSA de Lyon) Cemef (Armines).

TERGAL FIBRES
Purpose: หย่อยเป็น "คำเบ็บเล้ากำบัน "PET for bottles

(3 years, 2+2 thesis)

+ Implantation of two experimental production plants

Compound platform (IMP-LMM - INSA de Lyon)

Blowing platform (Cemef – Armines)

Co-financing: ANVAR (French State)

INSAVALOR: In charge of administrative and juridical aspects of the supply and the implementation of the experimental production plant. Reduction of delay. Supporting research contracts.

PROSPET

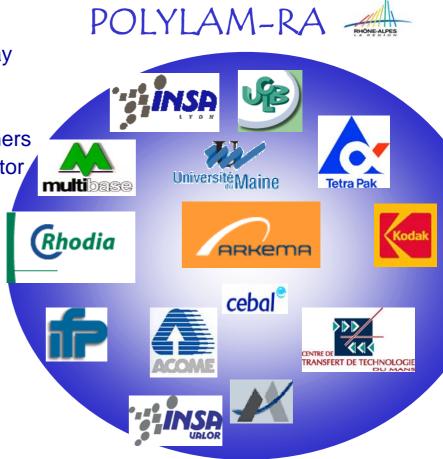






Example of collaboration

- Polyoleofin matrix reinforced by nanoclay
- ❖ 14 partners 3 years long
- 3 PhD, several Post-Docs
- Cost-sharing : Région + Industrial partners
- INSAVALOR as administrative coordinator
 - Logistic support
 - organising and co-animating meeting
 - E-room
 - Setting up consortium agreement
 - Suggestion Elaboration Finalisation





Typology of contracts

- 3 years long contracts are the most appreciated...
 - Classic research contract
 - CIFRE ("Convention Industrielle de formation par la recherche": wages partially supported by the industrial partner and the ANRT – National Agency of Research and Technology)
- 1 year long contracts still welcome
 - Post-doc...
 - Permanent researchers, non permanent researchers
- **❖** Short term contract : Transfer Engineers

3 years and + 25 % turn nover

2 years and + 10 % turn nover

1 years and + 20 % turn nover

< 6 months
33 % turn nover

Remaining 12 % 6 –11 months.



Transfer Engineers (1)

Some industrial companies need to **collaborate** with public laboratories **on shorter basis** than a 3 years long PhD or even a one year Post-Doc.

CNRS and INSAVALOR leaded a common action to propose to these industrial: "*Transfer Engineers*"

They are

- dedicated to relationships with industrial firms (especially SMEs)
- employed by Insavalor
- located inside the laboratory with an access to research equipments





Transfer Engineer (2)

Example of collaboration

- **Elaboration of a varnish for insulating tools** dedicated to intervention in high voltage environment. Big Group.
- Elaboration of cake tin in polymer. Regional SME, 6 months
- ❖ Characterisation of a quick-setting organic cement Regional SME, 6 months. The industrial partner wanted to validate and characterised a chemical composition he discovered him-self.
- Characterization and improvement of a new sticking process of medical components.
 Regional SME





