

REALIZZATO CON IL SOSTEGNO DI



UNIONE EUROPEA

Fondo sociale europeo



Regione
Lombardia



POR FSE 2014-2020 / OPPORTUNITÀ E INCLUSIONE



Foundation Higher Technical Institute in Life Sciences

ITS Life Sciences



Fondazione Istituto Tecnico Superiore
per le Nuove Tecnologie della Vita

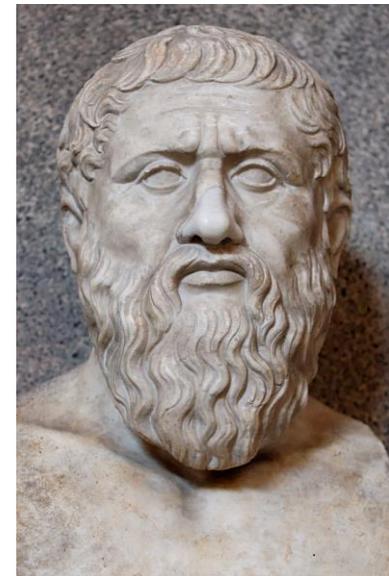


USEFUL TRAINING

what is useful is beautiful

Beauty is useful: beautiful eyes are certainly not those unable to see, but rather those that are able to see and are useful for this purpose

taken from IPPIA MAGGIORE's Platone





What is the starting point?

The industry needs
qualified young
employees
but
youth are unable to
find work.

Why?

**There is a mismatch
between education
and the labor
requirements
of industries**



The real problem of labor market in Italy: **skills mismatch**



It's the gap between an individual's job **skills** and the demand of the labor market; it has become a central challenge for Europe, affecting all spheres of society: from the productivity and efficiency of business to the current and future welfare of youth.



What is ITS Life Sciences?

ITS Life Sciences aims at a win-win situation where learners' needs and the industry's demand for skilled and talented employees, are met

ITS Life Sciences is a real link between the world of training and the labour market, with a focus on Chemistry, Biotech, Pharmaceuticals, Cosmetics.



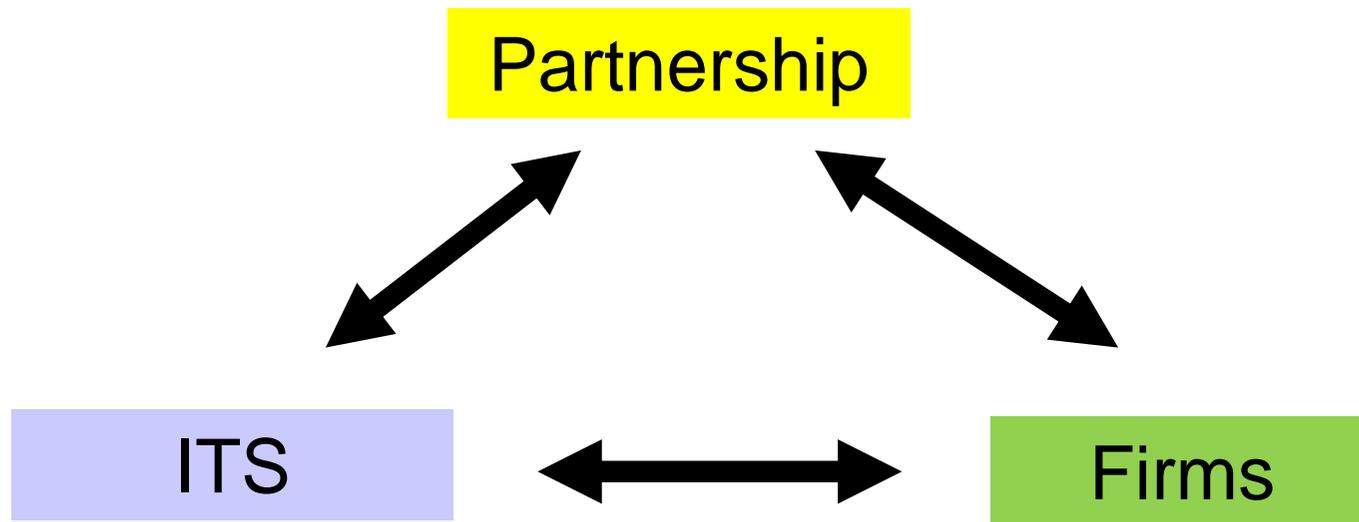
ITS Life Sciences

In our Institute young people access job-based learning courses, cooperate with companies and do research activities. Indeed, beyond being a training Institute, ITS Life Sciences is also a Research Centre which aims to transfer technology and innovation to companies.

ITS Life Sciences is a place of connection between business and the world of further education.



Building success



ITS Life Sciences is an opportunity of concrete importance in the educational landscape as an expression of a strategy that connects the policies of education, training and work.



- **ITS Life Sciences** is an effective educational tool to bridge the gap between learning and doing
- **ITS Life Sciences** is directly stimulated by industries, promoting and strengthening their innovation
- **ITS Life Sciences** helps students gain competences such as positive work attitudes and other employability skills



Our learning process

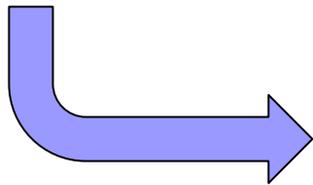
- a. Educational courses are designed in collaboration with firms and institutions participating in the definition of program contents
- b. companies make their laboratories and equipment available;
- c. teachers are employees from the same partner companies
- d. companies offer intense periods of training internship

"The company is in the classroom and the classroom is in the company"



ITS Life Sciences is a source of innovation for SMEs

Keys to success

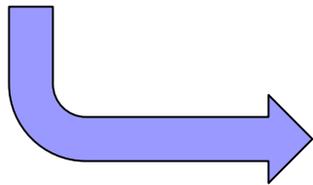


ITS Life Sciences **analizes** the job needs of firms. in this way it not only builds the training paths necessary for employees and future employees, but ITS Life Sciences supports companies because ITS Life Sciences is convinced that innovation is not a pre-packaged package but must be built together with those who need it.



ITS Life Sciences is a source of innovation for SMEs

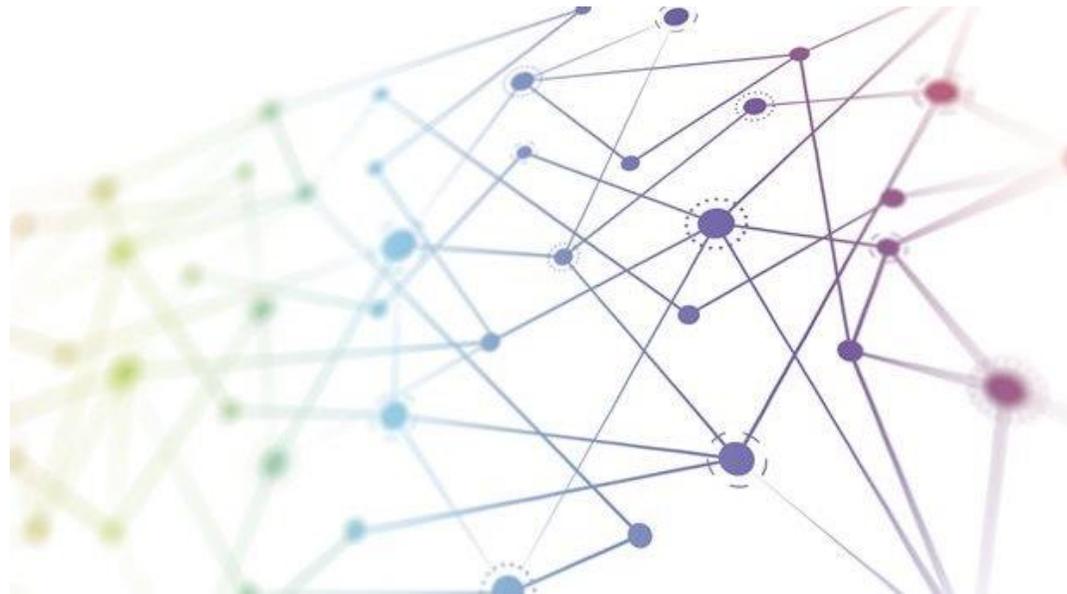
Keys to success



- ITS Life Sciences is an organization close to companies:
- a) ITS Life Sciences studies the different forms of innovation with them;
 - b) ITS Life Sciences opens its laboratories to companies;
 - c) ITS Life Sciences promotes research apprenticeship contracts.



ITS Life Sciences makes connections



Connections are in the DNA of ITS Life Sciences, in fact it consists of companies, high schools, universities, training as well as work agencies and local authorities



What is ITS Life Sciences?

- It is a Foundation (established October 24, 2010) that began its activities in 2011-2012.
- The scope of ITS Life Sciences is devoted to:
 - promoting the dissemination of technical and scientific knowledge
 - providing support measures for economic growth and active labor policies.
- ITS Life Sciences educates in strategic technology areas for economic development and competitiveness, particularly in the chemical, biotech, pharmaceutical areas.



Where is located ITS Life Sciences?

The Foundation is located in Bergamo, a dynamic context, it dialogues with the chemical and biotech companies of the Lombardy territory, that represent its network.

Italy is one of the world's top producers of chemicals and pharmaceuticals: the industry (3,256 companies) generated € 82 billion in 2016 and employed 172,000 people.

Within this framework of excellence, Lombardy is a leading player within the European context

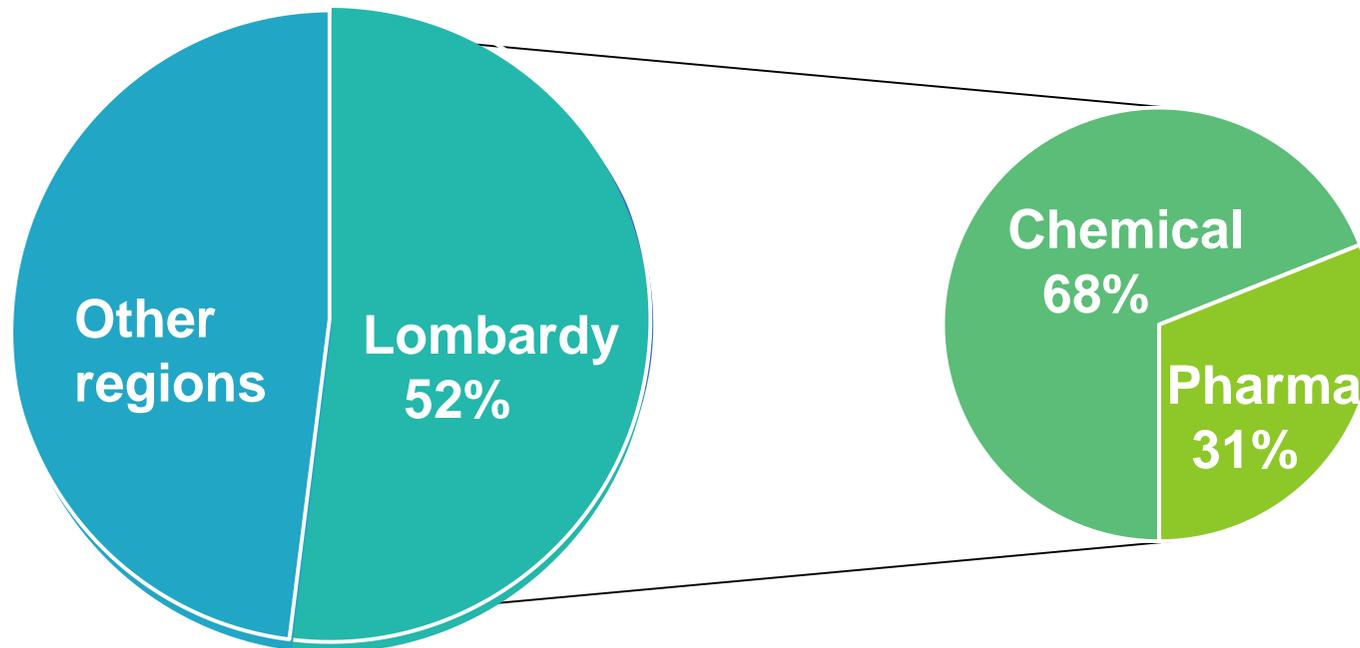




Chemicals and Pharma in Lombardy

Lombardy generates a turnover of € 41 billion, equal to 52% of the Italian Chemical and Pharma industry

Within Lombardy, the Chemical sector accounts for a turnover of € 28 billion, whilst Pharma counts € 13 billion



■ Italy ■ Lombardy ■ Chemical ■ Pharma

Lombardy: a region with a strong chemical vocation



Our learning offer

Biennial courses
for higher technicians in :



Rubber and
PTFE Chemistry



Bergamo



Industrial
Chemistry



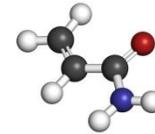
Bergamo



Industrial
Biotechnologies



Bergamo



Polymers and
technopolymers



Bergamo
Milano



Chemistry
pharmaceutical
plants



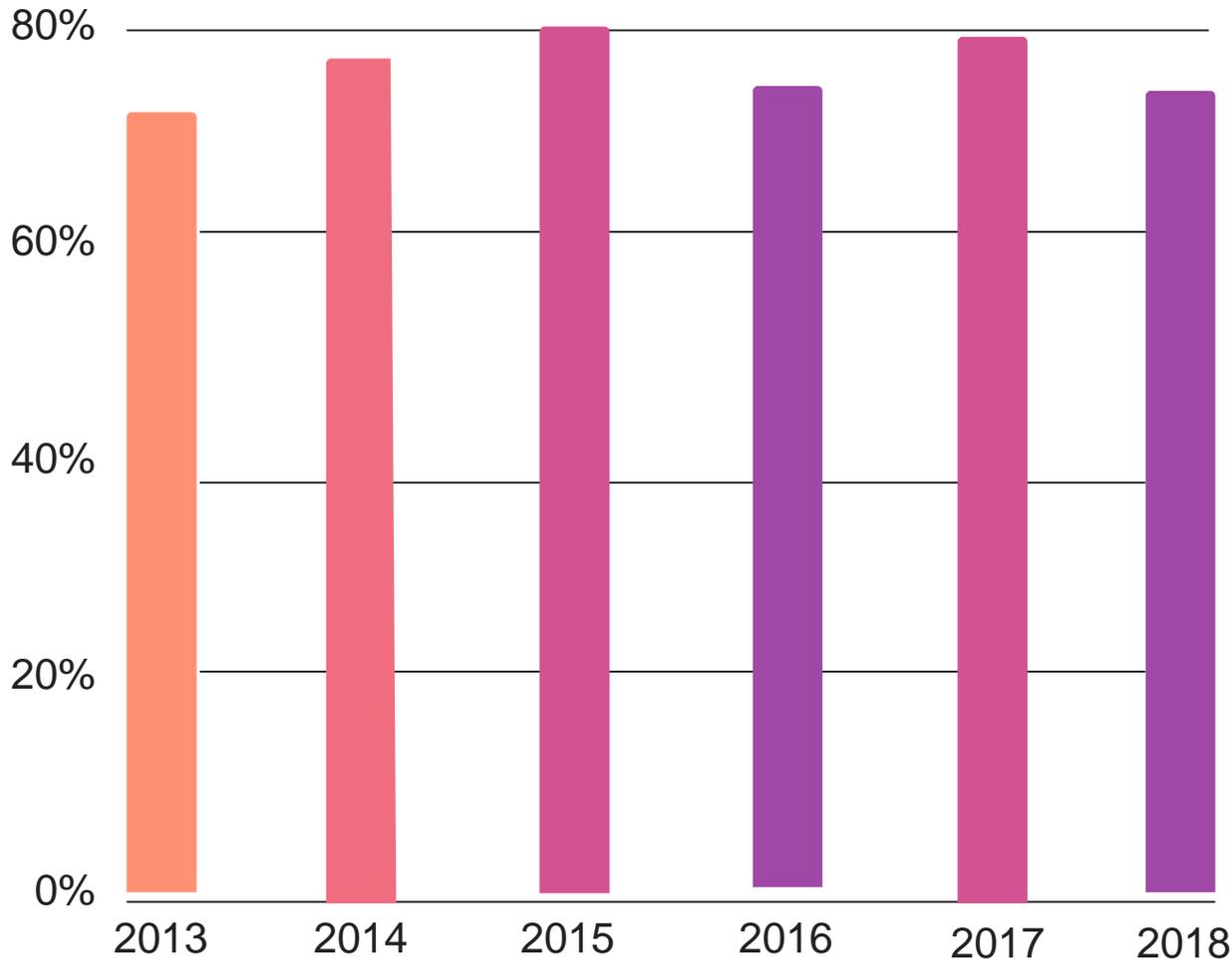
Bergamo



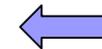
- ITS Life Sciences training courses are biennial (2,000 hours with 800 hours of internship);
- 70% of our teachers are employees of real companies;
- ‘Experiential teaching’ that takes place through the action and experimentation of situations, tasks and roles faced in situations of uncertainty and complexity, similar to a company reality;
- ITS Life Sciences has five active courses involving approximately 200 students.



"How long does it take our students to find a job?"



Over 70%



**Employment before
getting degree**

96%

**Employment during
a year after degree**

ITS Life Sciences has an excellent employment performance consistently.



Types of employment contracts for our students as soon as they have finished our ITS Life Sciences

total graduate students	213	
of which employed with		
- research apprenticeship	27	
- professionalising apprenticeship	34	
- fixed-term workers	50	
- permanent workers	32	
- temporary workers	22	
Total employed	163	80%
unemployed	50	20%



What if one wants to continue studying?

In two years of training our students find a job, or may directly enter the 3rd year course in Industrial engineering at the University

In two years there is a job, adding a year there is a degree (bachelor's degree) too



ITS Life Sciences: other activities

ITS Life Sciences is an accredited regional agency for training and employment services

ITS Life Sciences is in possession of the Erasmus card

ITS Life Sciences participate in several European projects



Assolombarda, Assogomma
Confindustria Bergamo



Università degli Studi di Pavia
Università eCampus



ISIS "Giulio Natta" - Bergamo
ITIS "Paleocapa" - Bergamo
IIS " Guglielmo Marconi " - Bergamo
ITIS "Molinari" – Milano



Provincia di Bergamo
Comune di Comun Nuovo
Comune di Sarnico



over 150 companies

***Our
network***





FORNITURE TESSILI RIUNITE -





Insanity is doing the same thing over
and over again, and expecting
different results
(A. Einstein)

Thank you!