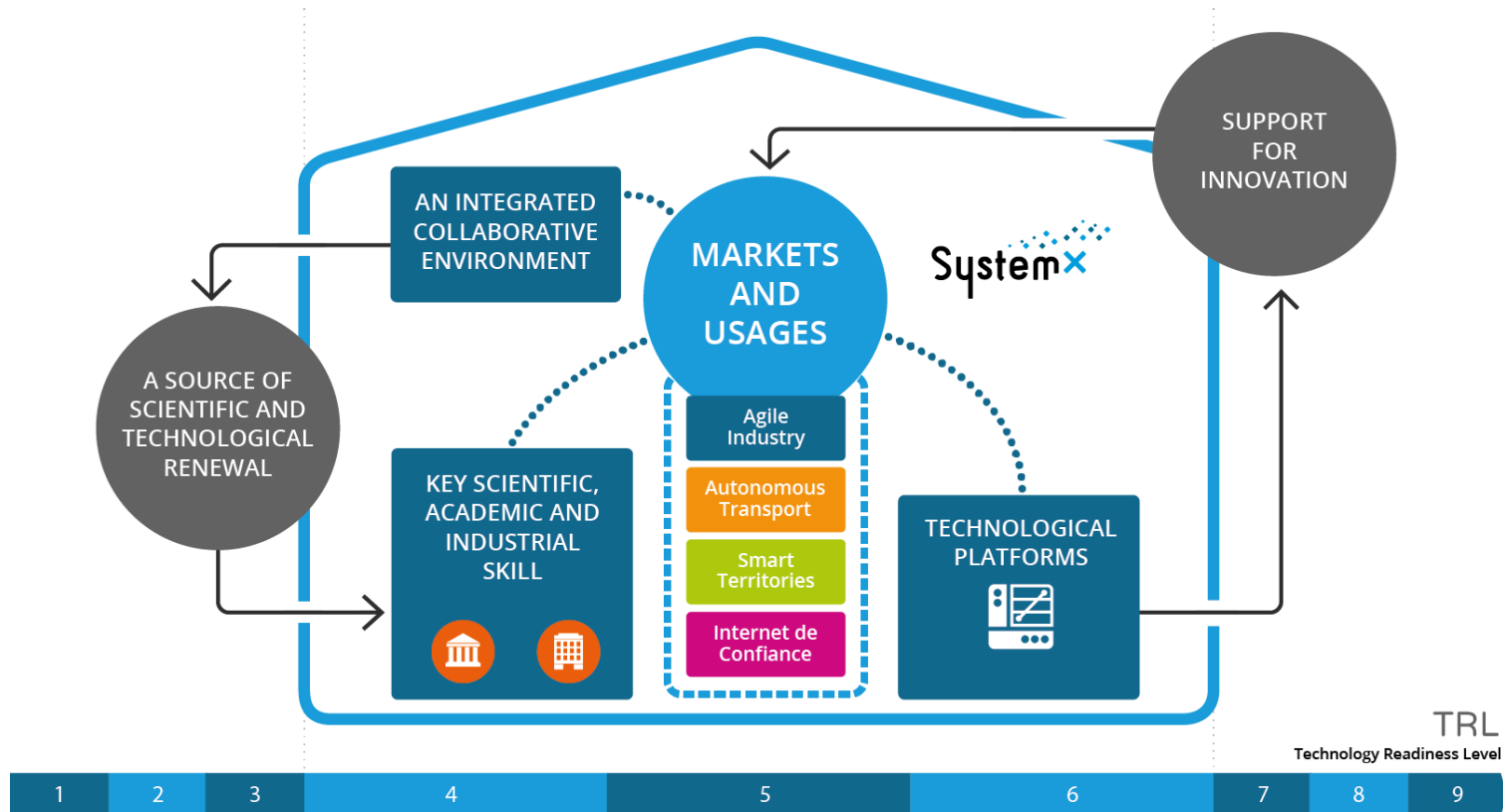


GENERAL OVERVIEW

An integrated collaborative environment



Research activities focused on Markets and Applications

4 SCIENTIFIC DISCIPLINES

Data Science and Interaction

Using data to understand reality

Computational Science and Optimization

Using physical models
to understand reality

Systems and Software Engineering

Creating a formal design
for complex systems

Infrastructure and Networks

Enabling information system
components to communicate
with each other

4 RESEARCH PROGRAMS



Agile Industry

Supporting the digital transformation
of the engineering profession



Autonomous Transport

Designing smart,
safe and secure systems



Smart Territories

Building the regions
of the future



Internet of Trust

Developing digital trust
in the Internet of Everything

3 TYPOLOGIES OF PLATFORMS

Integration and Federation of Software Components

Deploying prototypes,
evaluating and sharing components
derived from research

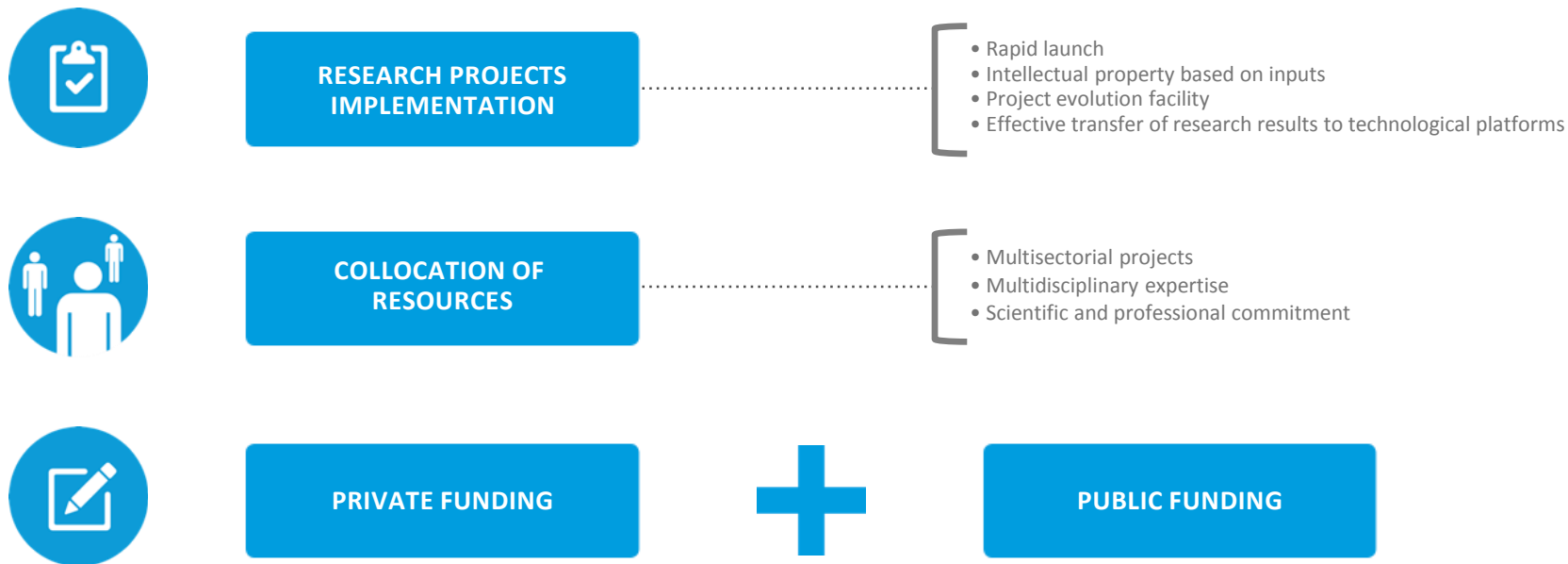
Modeling and Simulation of Cyber-physical Systems

Model and simulate
cyber-physical systems

Tooled Methods and Processes

Implementing processes,
methods and tools for systems
and software engineering

A new offer of collaboration



Results and key figures

Creation



Partners



Research projects

15 projects ongoing
and 8 projects completed

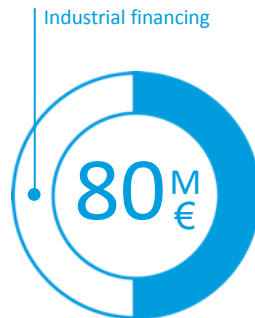
15 projects ongoing
and 8 projects completed

European projects



TOICA, IN2RAIL,
Holiship, ICN2020

Finance



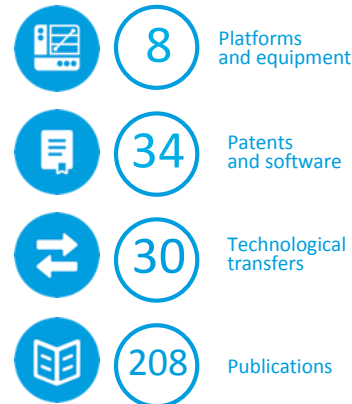
Researchers and doctoral students

70 researchers,
39 doctoral students



70 researchers,
39 doctoral students

Valorization



INDUSTRIAL PARTNERS



ACADEMIC PARTNERS



A three-phase ambition

**2013
2015**

PHASE 1

Consolidate a digital engineering systems skills base.

Establish leading-edge technological platforms to accelerate the transfer.

Obtain recognition in Europe and worldwide.

**2016
2019**

PHASE 2

Become a key European actor in digital engineering systems and systems of systems, supporting the European SMEs involvement.

Expand the use of technological platforms alongside European platforms to develop partner SMEs and build sectors.

Become a leading-edge scientific competences (methods, technologies, tools, standardization).

**2020
>>>>**

PHASE 3

Become an international reference center in digital engineering systems.

Maintain the level of industry commitment in the form of financial support for projects, including the allocation of personnel.

Use the technological platforms as a technological reference to speed up the transfer and consolidate expertise for industries.

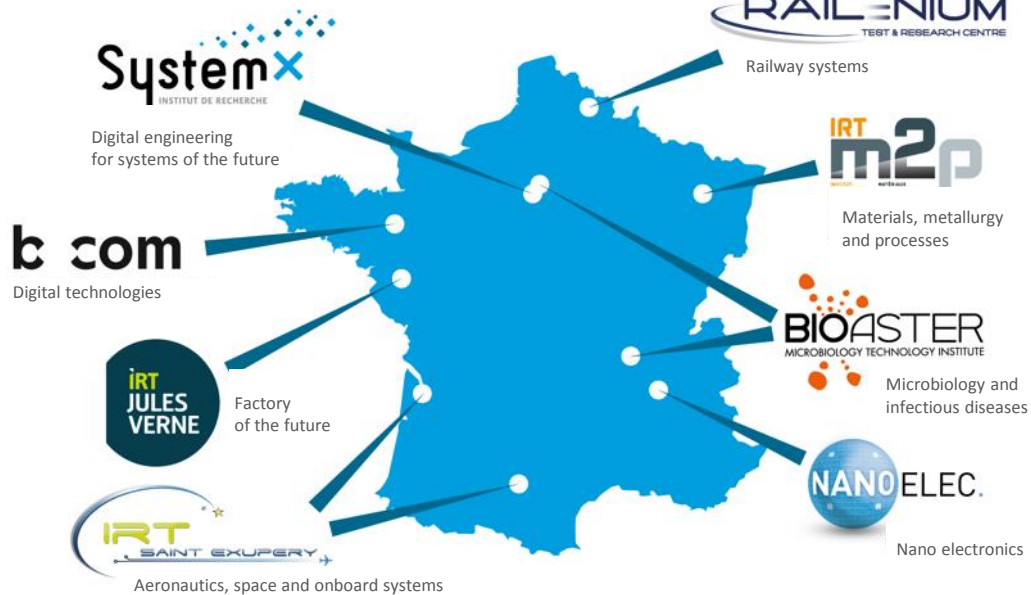


The French Institutes of Technology (FIT)

An association of research institutes

fit

FRENCH
INSTITUTES OF
TECHNOLOGY



Four objectives:

- Attractiveness of the IRT as a model that can be promoted
- Relations with the European Commission
- Cooperation and sharing of best practices
- Consistency among the various objectives in the Future Investment Program

Key figures:

- 8 IRTs established since 2012
- 10-year budget of €2.5 billion
- 300 partners
- 120 projects
- 1000 employees

Characteristics of the model:

- Close ties with a research hub
- Partner personnel working side by side at one site
- Funding (Future Investment Plan) for 50% of costs

Two important pillars at the heart of the Paris-Saclay campus



160
Industrial Groups



480
Startups/SMEs



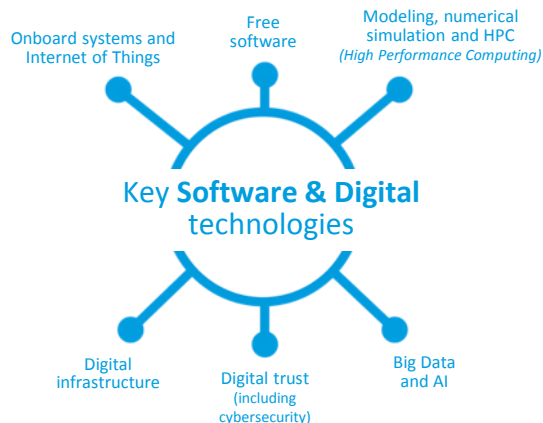
30
Academics



20
VCs &
Business Angels

Industrial markets Software & Digital Technology

- Energy
- Telecommunications
- Information systems
- Factory of the future
- Transportation
- Security
- Health care
- Digital cities



65,000
Students



11,000
Researchers
part of which in:
• Mathematics,
Computing
• Humanities and
Social Sciences



20
Doctoral Schools,
part of these are
STIC and Interfaces



6
Fields Medals



10
Research departments,
of which the STIC
department is part



2
Nobel Prize

The Local and Regional Ecosystem

