



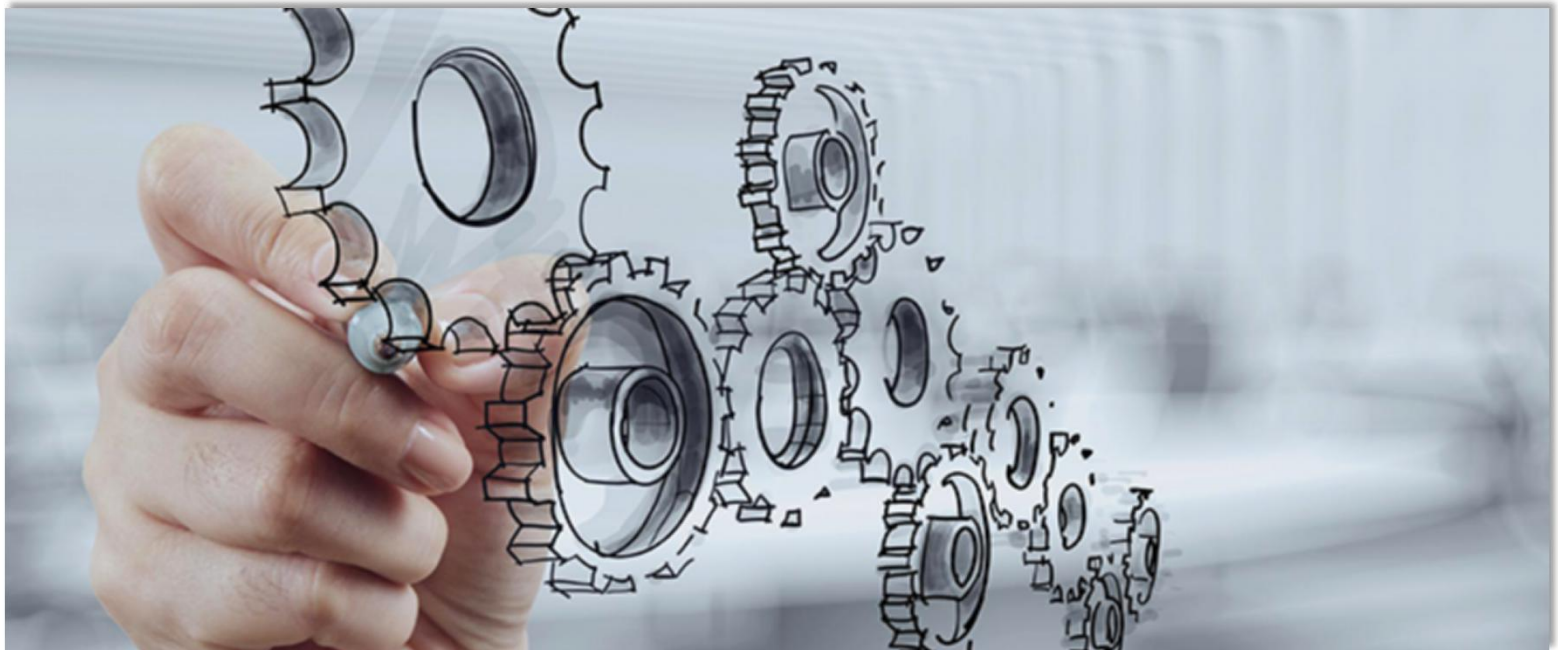
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UNIVERSITY OF ROME



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Innovation, University and Start ups

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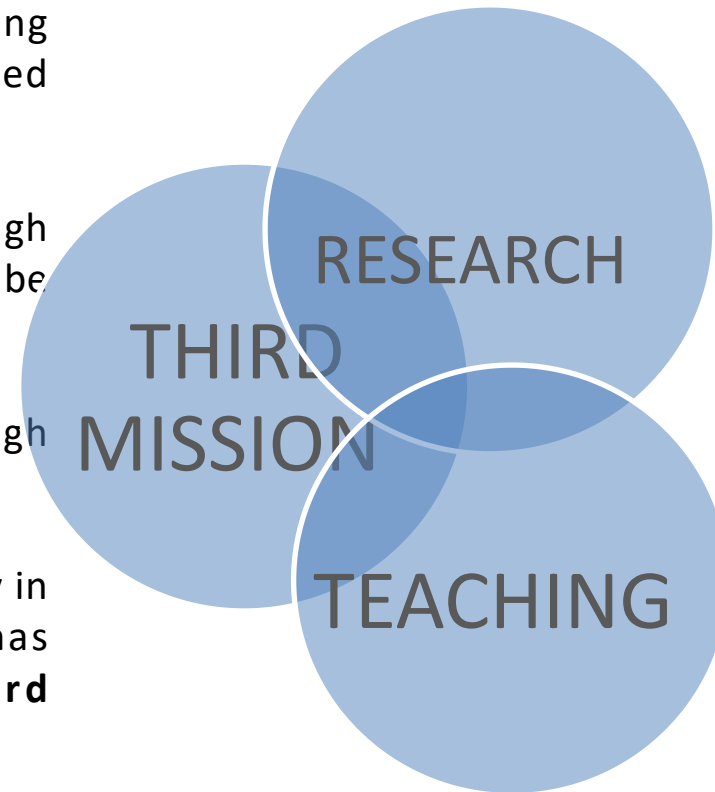
Innovation, University and Start Ups

Traditionally, a university contributes indirectly to enhancing innovative entrepreneurial activities through its consolidated missions of **teaching** and **research** aimed at:

1. Providing highly qualified personnel to industry also through business ethics courses that can increase students' ability to be morally courageous in organisations;
2. Producing and disseminating scientific knowledge through publications and conferences.

Over the past two decades the strategic role of the university in directly enhancing innovative entrepreneurial activities has increased through the institutionalisation of the **third entrepreneurial mission** of university that:

3. Exploit and spread scientific knowledge through technology transfer activities



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- Universities used to transfer technology via the licensing of an intellectual property to a large, established company who ultimately develops the technology into a saleable good.
- A growing trend among universities is to pursue riskier paths for technology transfer through the formation of university start up companies.
- This requires that universities transfer technology through specific organisational services, including business plan competitions, mentoring and business advisory services.
- Moreover, the formation of university start ups has raised considerable attention during the last decade due to its contribution to economic development of local economies.

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- In this vein, Tor Vergata University promotes and organizes - together with other PROs, and economic and institutional components of the Lazio Region - the so-called “Start Cup Lazio”.
- Star Cup Lazio is a local business plan competition aimed at turning scientific inventions into innovative business ideas in the fields of life sciences, ICT, Industrial, cleantech and energy.
- All the finalists of all the regional Start Cups are admitted to the “National Innovation Award” (PNI) that is considered «a leading competition for innovative business projects coming from academic teams of the Italian universities” (Parente et al., 2005, p. 559).
- Over the years, the dynamics of interactions among all the actors involved has favoured innovation processes through the formation of sustainability-oriented start-ups also in the context of Industry 4.0.

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- Start Cup Lazio 2019 is promoted and organized by the following local actors:



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Start Cup Lazio 2015-2018 figures

N. of Business Ideas (BI)	N. of BI's proponents	N. of BI turned into Business Plans (BP)	N. of BP's proponents	Full value award
151	481	43	143	€ 253.000

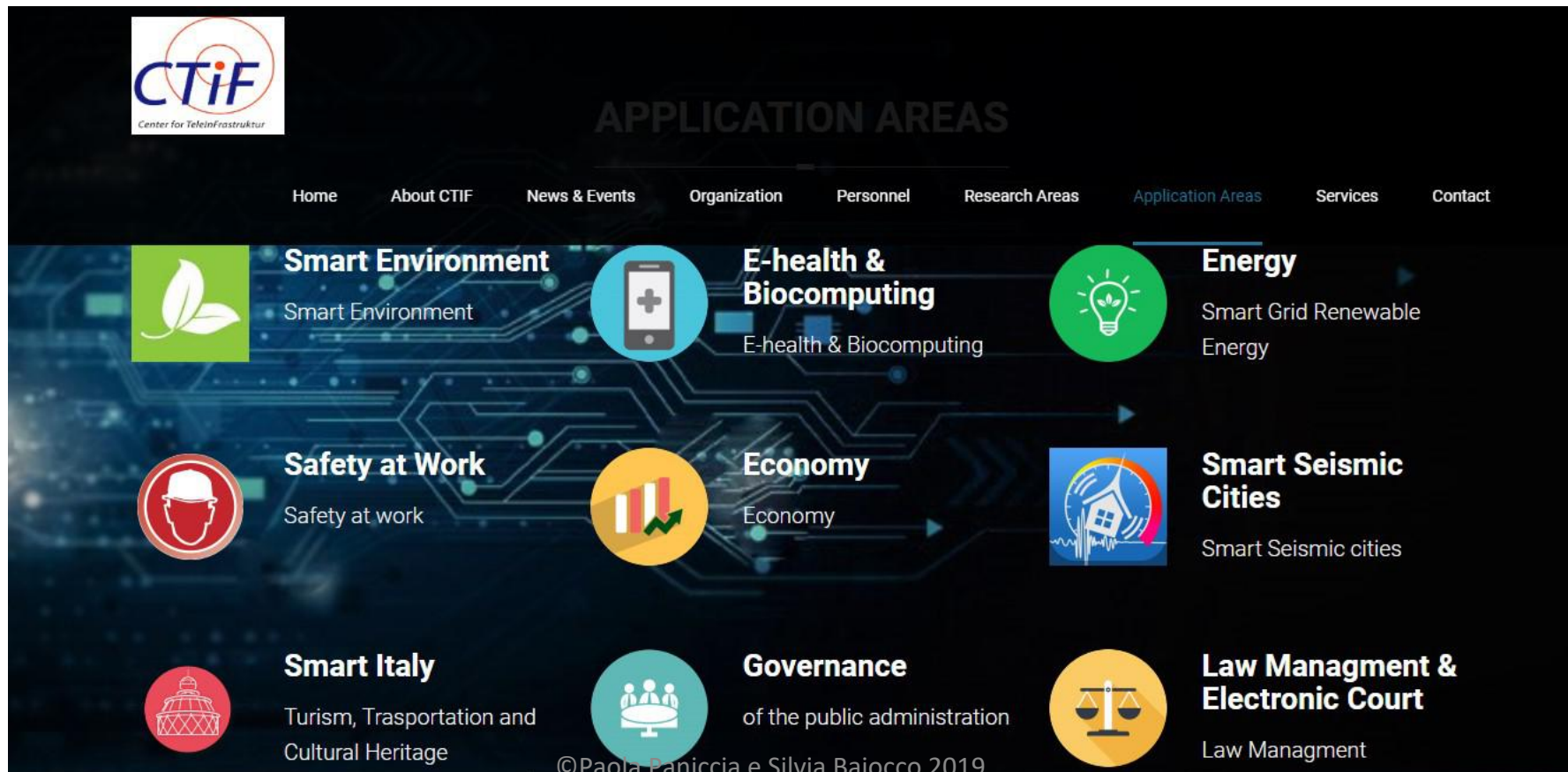
Source: Our elaboration of internal data

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- Particularly, Tor Vergata University promotes and organizes Start Cup Lazio through the Center for Teleinfrastructure (CTiF <http://ctif-italy.uniroma2.it/>) that is coordinated by Paola Paniccia, full Professor of Management.
- The CTiF is an inter-departmental research center whose core competences are drawn on:
 - the Department of Electronic Engineering
 - the Department of Management of Law from Faculty of Economics
 - the Department of Management Engineering
 - the Departments from Faculty of Law, Faculty of Physics, Faculty of Medicine.
- Moreover, the CTiF is an international network and, as such, it includes other selected centers in Europe, Asia, and US.
- This helps to promote the formation of multidisciplinary teams, and to spur entrepreneurship throughout various departments, including those specialised in basis research, engaging with local and national networks.

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In particular, the applications are on the following fields



The screenshot shows the CTiF website's 'APPLICATION AREAS' section. The navigation menu includes: Home, About CTiF, News & Events, Organization, Personnel, Research Areas, Application Areas (highlighted), Services, and Contact. The application areas are:

- Smart Environment**: Smart Environment (Icon: Green leaf)
- E-health & Biocomputing**: E-health & Biocomputing (Icon: Blue smartphone with cross)
- Energy**: Smart Grid Renewable Energy (Icon: Green lightbulb)
- Safety at Work**: Safety at work (Icon: Red hard hat)
- Economy**: Economy (Icon: Yellow bar chart with green arrow)
- Smart Seismic Cities**: Smart Seismic cities (Icon: Blue house with seismic waves)
- Smart Italy**: Tourism, Trasportation and Cultural Heritage (Icon: Red dome)
- Governance**: of the public administration (Icon: Teal people at a table)
- Law Management & Electronic Court**: Law Management (Icon: Yellow scales of justice)

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- Last but not least, Tor Vergata University:
 - organizes - together with the PNI Cube (the Italian Association of University Incubators and Local Business Plan Competitions) - the 2019 edition of the **Italian National Innovation Award**. This competition is scheduled for 17th of May, will be held at Tor Vergata University and awards the best university start up operating on the market for at least two years.
 - is involved in the Smart Mice Platform Project. This contributes in strengthening the links between universities and industry, generating positive social and economic impacts on local communities.

Info and Contacts

Info at:

<http://en.uniroma2.it/>

<http://ctif-italy.uniroma2.it/>

<http://startcuplazio.it/>



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