

INSYPO

Entrepreneurship and the Geography of Innovation

Universities and Knowledge intensive
enterprises

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What place for innovation in which context?

Industrial path !

MN-Firms, local SMEs, Value chains....

Sectors leading economy (automotive, chemicals, machinery, agro-food, textile-shoe...)

Maquiladoras, suppliers...Medium & low intensive tech

Incremental innovation, tropicalization of products, import substit of industrial inputs, new applications & new products for local market, equipment adaptation, etc.

Policy changes & new context

...some learning capabilities, catching up and production and technological upgrading...

New strategies & objectives (2000-2015...):
diversification of instruments,
applied research, S&T research networks
university-industry linkages
R+D & innovation Funds

New policy programs & dimensions

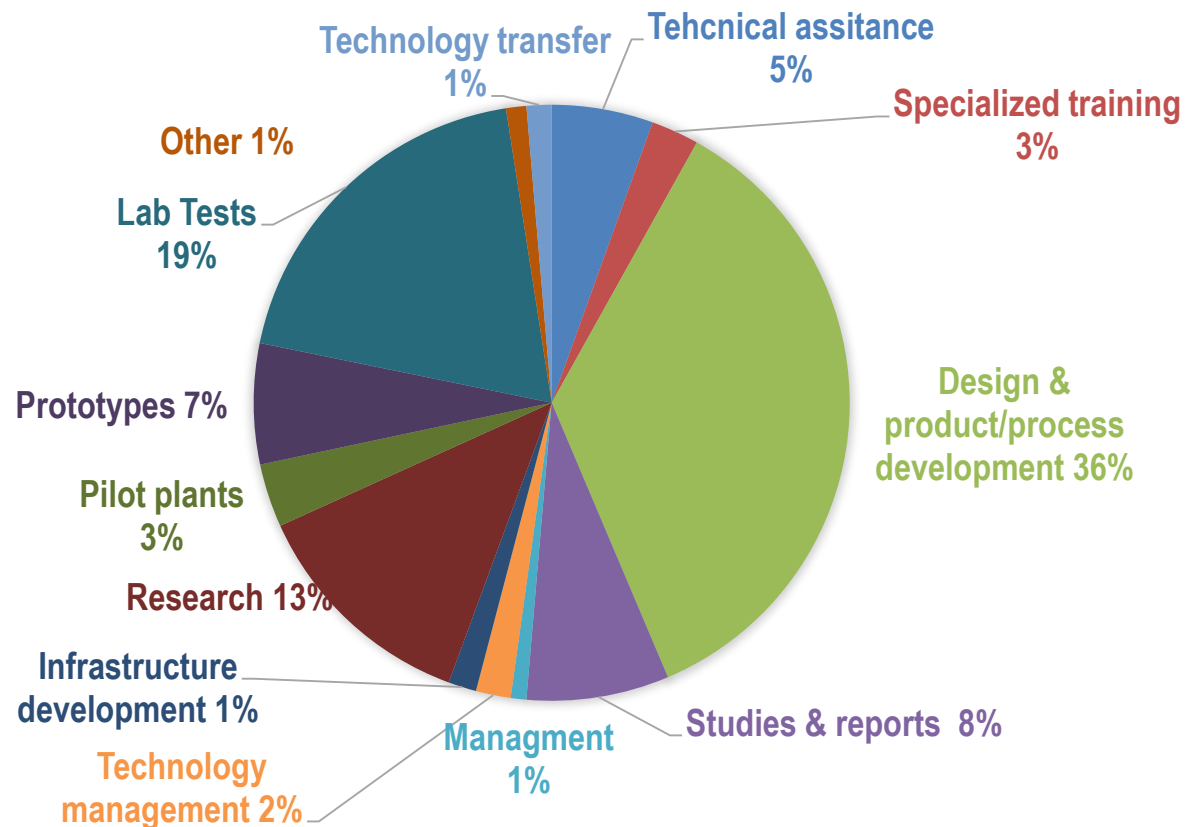
CONACYT, Min of Economy, State Funds, Sectoral Funds, Bilateral Funds, (FUMEC, Spain, France, Newton), TechBA accelerator

Fostering innovation in SMEs, linked with universities in all sectors

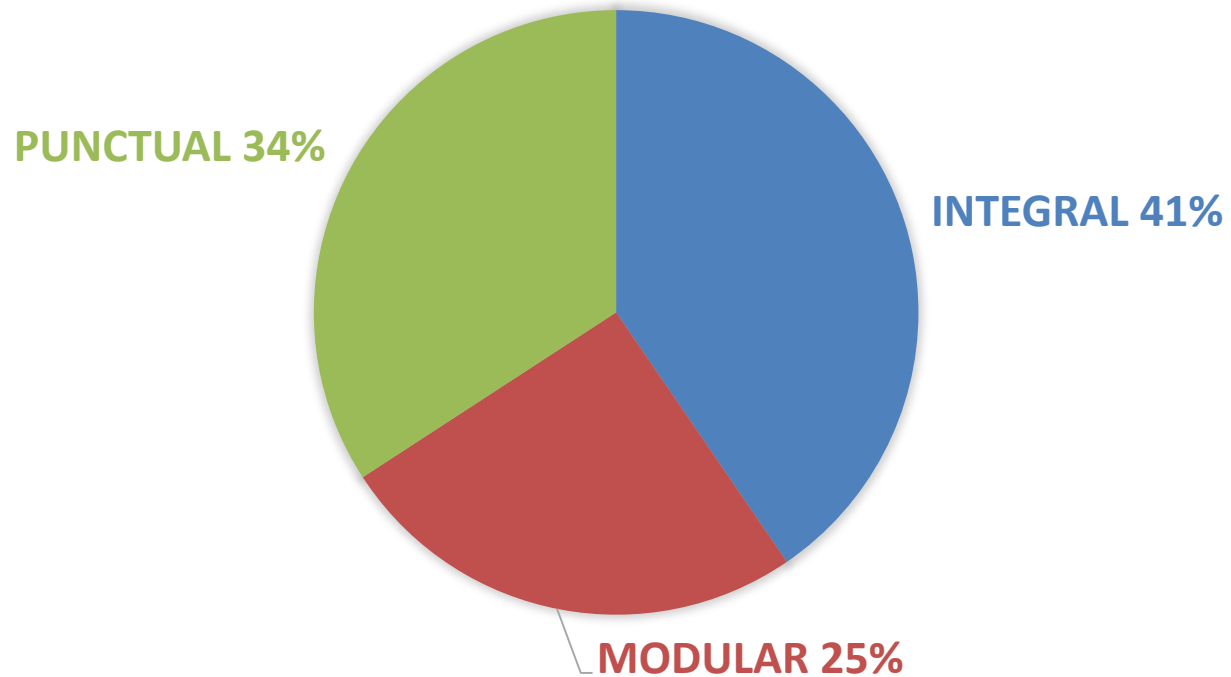
Univ-Enterprise projects

- 2007-2012: Total Projects = 2,518 (several Funds)
1,881 projects (74%)
- 2013-2015: Total PEI & FIT = 2,375
2,202 projects (89%) = Innovapyme 648, Other Funds 1,554

Issues of collaboration



Type of collaboration



Some themes of 2103-2015 projects

New materials, 275

Biotech, 94

Nanotech 54

Electronics 192

New variables in the context

2010 = TT-Offices (universities, research centers, private ones), Tech-based Incubators, Business accelerators

2012 = INADEM with \$\$ for SMEs

2015 = new legislation for scientists: patenting and entrepreneurial activities  spin-offs

Surprisingly ... KIE?

Islands of innovation = emerging/converging, technologies (bio-health, bio-food, bio-environment, bio-materials, bio-nano, nano-health, health-ICTs)...

for emerging industries =

Aero-space, medical devices, bio-fertilizers, bio-plastics, new drugs, agro-food, new materials, research services, logistics...

Successful cases here and there



DANIEL VILLAVICENCIO • MARCELA AMARO • EDGAR BAÑUELOS
ANTONIO CHIAPA • ALBERTO MORALES • LEONARDO SOUZA

VINCULACIÓN. Tema: Nanotecnología; subtemas; nanomateriales

The screenshot displays a web-based GIS application interface. The main map shows Mexico with several black dots representing data points. A search panel on the left side contains the following fields:

- Código:** nanotecnologia n
- Nombre:** nanotecnologia n
- Estado:** (dropdown menu)
- Buscar** button

The legend on the right side, titled "Leyenda", lists the following categories:

- Procesos PNT
- Empresas gubernamentales en procesos de desarrollo
- Empresas gubernamentales en proceso de cierre
- Empresas a empresas privadas controladas en código de CDACC
- Empresas a empresas privadas no controladas en código CDACC
- Investaciones de 1 grado
- Investaciones de todo su desarrollo

Final comments

Up to now...some Meta Barriers for KI

- Devaluation, inflation = risks for investment
- Governance of the STI system (modality of funds, rules of the game, accountability, assessment...)
- No venture capital, expensive credits...
- Regulatory frames (bio, health, nano, industrial standards/certifications, IPR...)
- Stability of niche markets..