



# *Some ICAT-Innovation Projects & opportunities for economic development*

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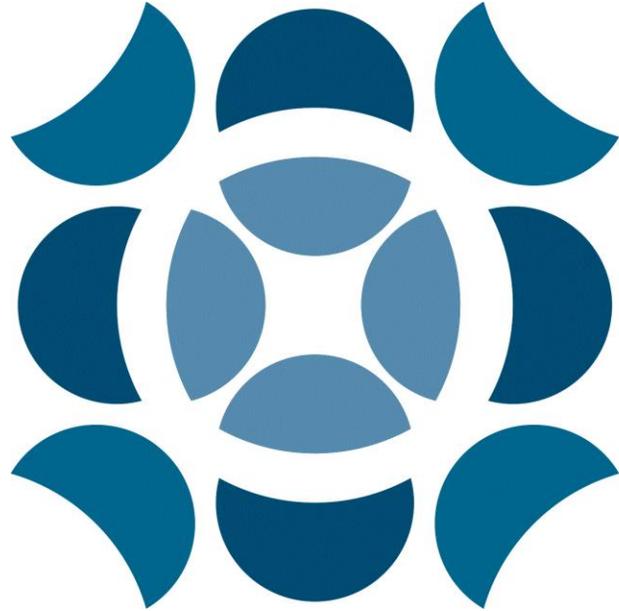
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## Objective

To show that one of the objectives of the Institute of Applied Sciences and Technology, ICAT-UNAM, is the development of innovation projects, through which it attempts to contribute to the solution of national problems, collaborating with public and private companies and organizations from different economic sectors.

# ¿Who we are?

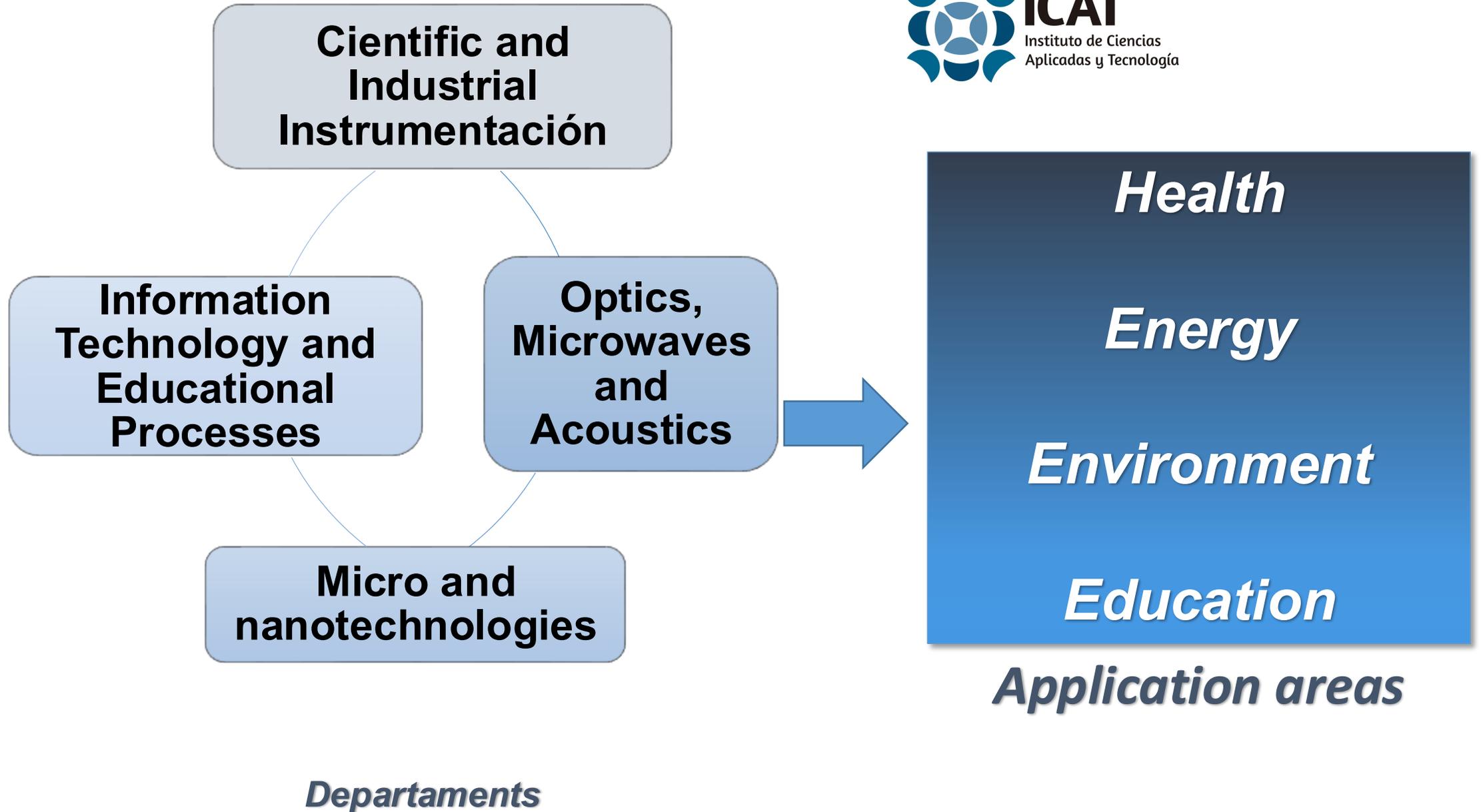


# ICAT

Instituto de Ciencias  
Aplicadas y Tecnología

## Objectives and Vision

*We link with different sectors of society to contribute to national technological innovation*





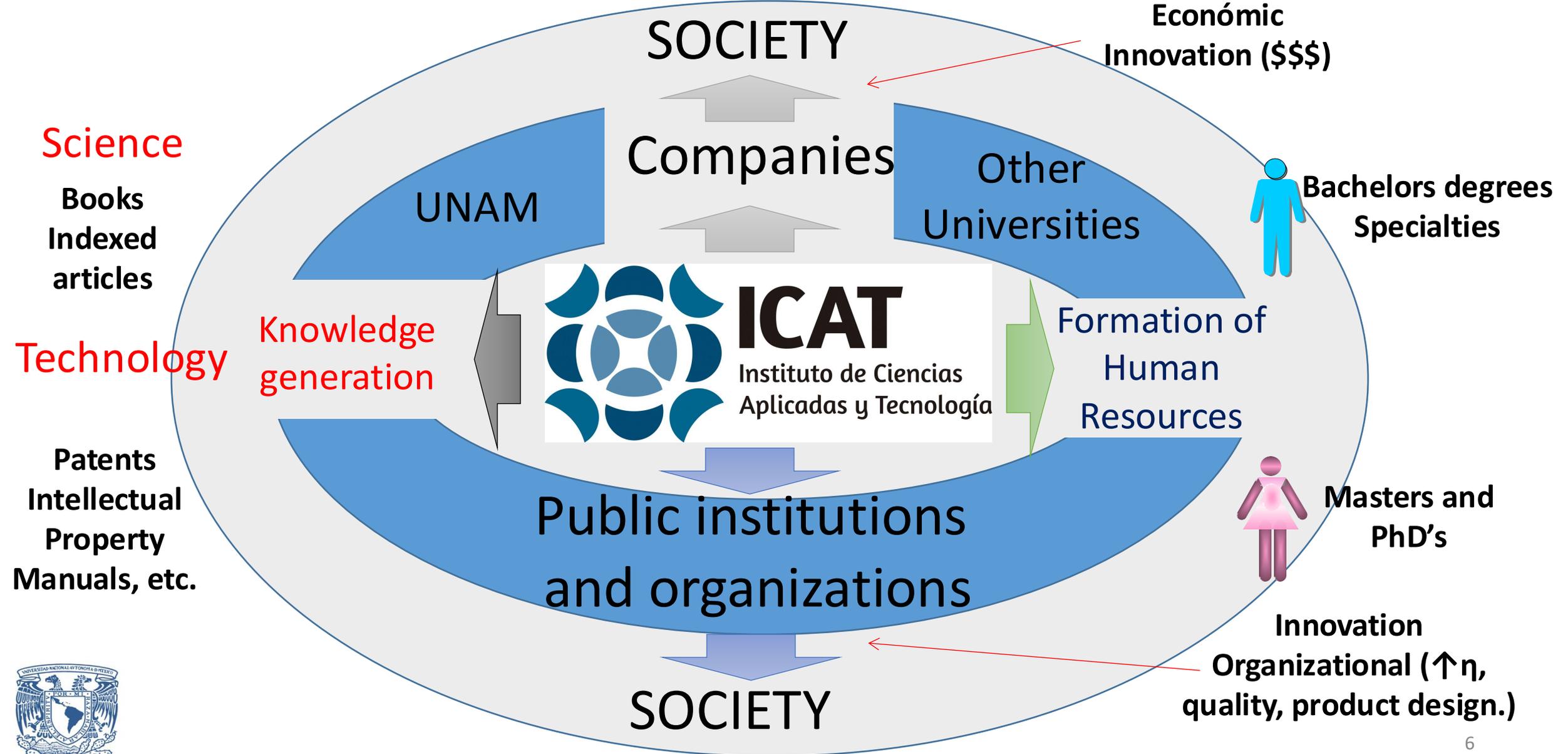
# Mission

ICAT is part of the UNAM 's Scientific Research Subsystem

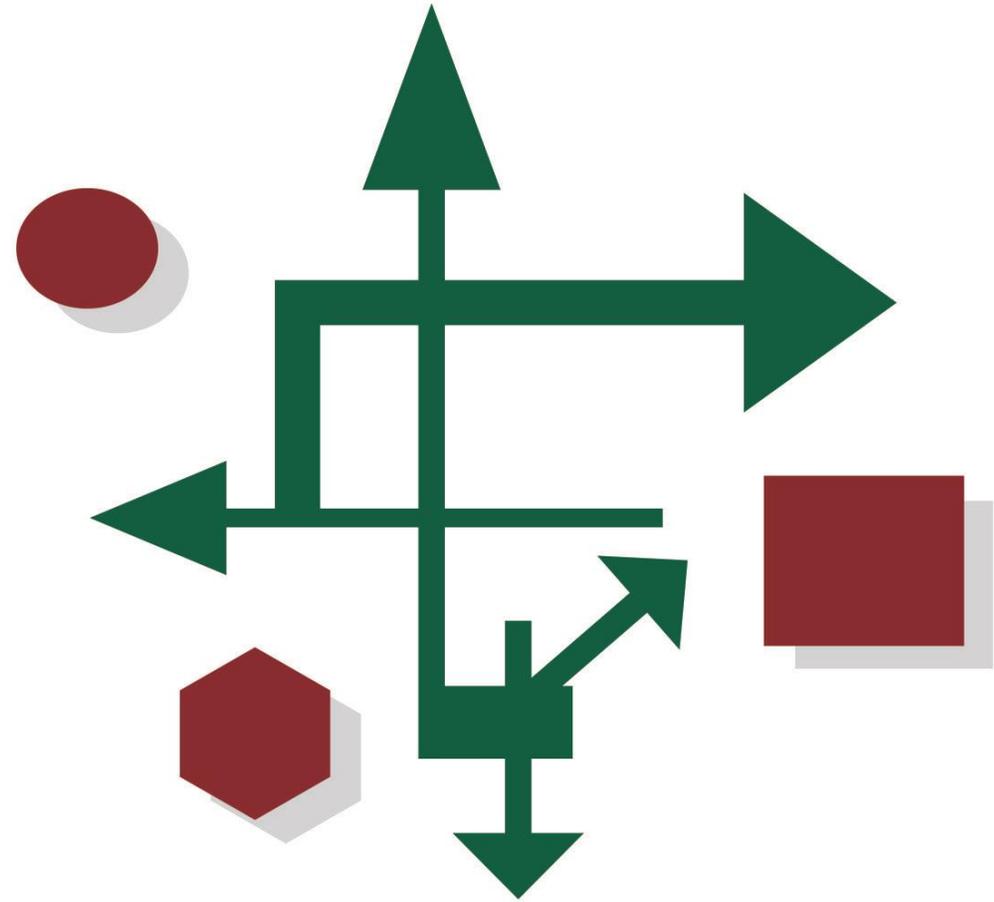
Conduct **research**, technological development, **training of professionals** and **dissemination of knowledge** developed in the aforementioned fields, all with a multi and interdisciplinary approach, integrating research and technological development activities and **seeking to apply the knowledge generated to the solution of relevant problems in our environment.**



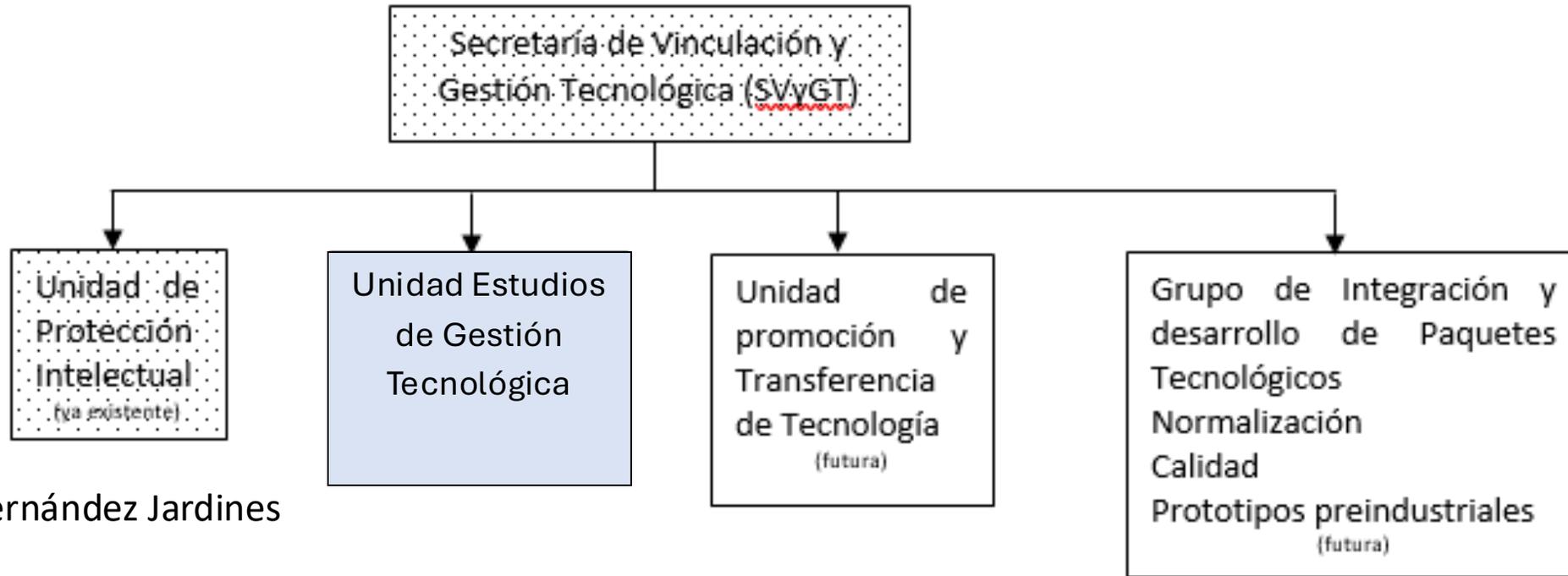
# Link with society



Secretariat  
for  
Technological  
Management  
and Liaison  
(SVyGT)



**SECRETARIA VINCULACIÓN  
Y GESTIÓN TECNOLÓGICA**



QFB Iris Hernández Jardines

Dra. Nadia Castillo Camarena

Figura 1. Organigrama de la SVyGT

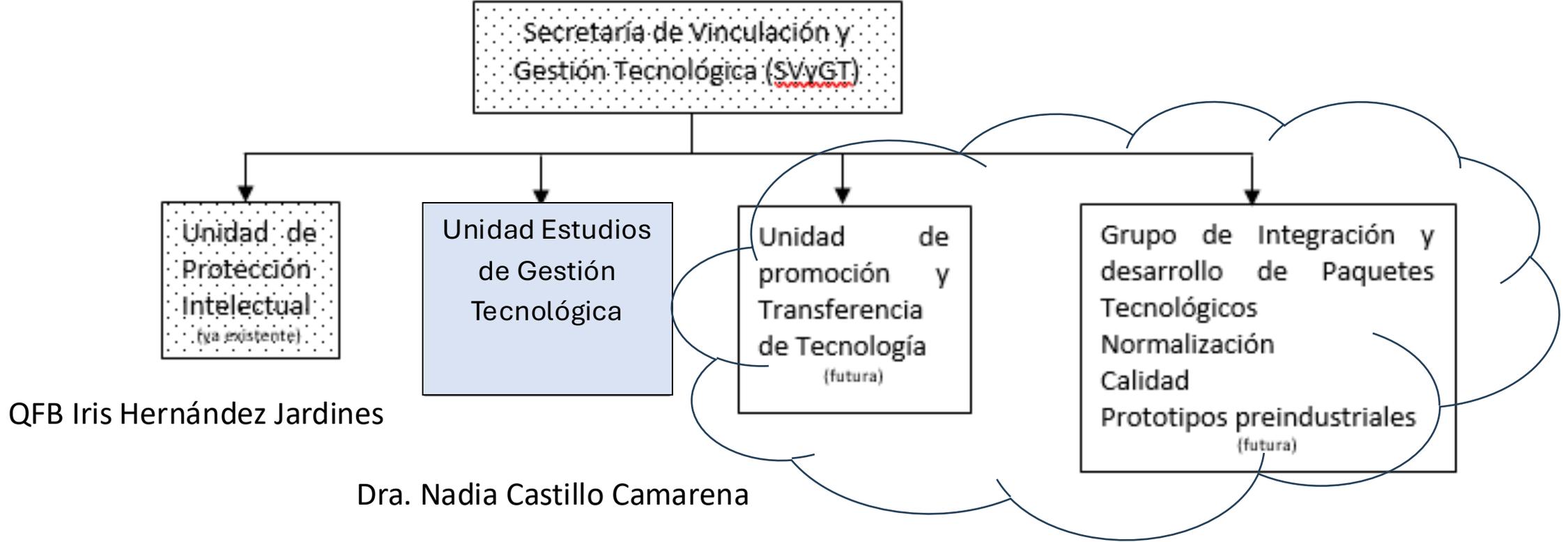


Figura 1. Organigrama de la SVyGT

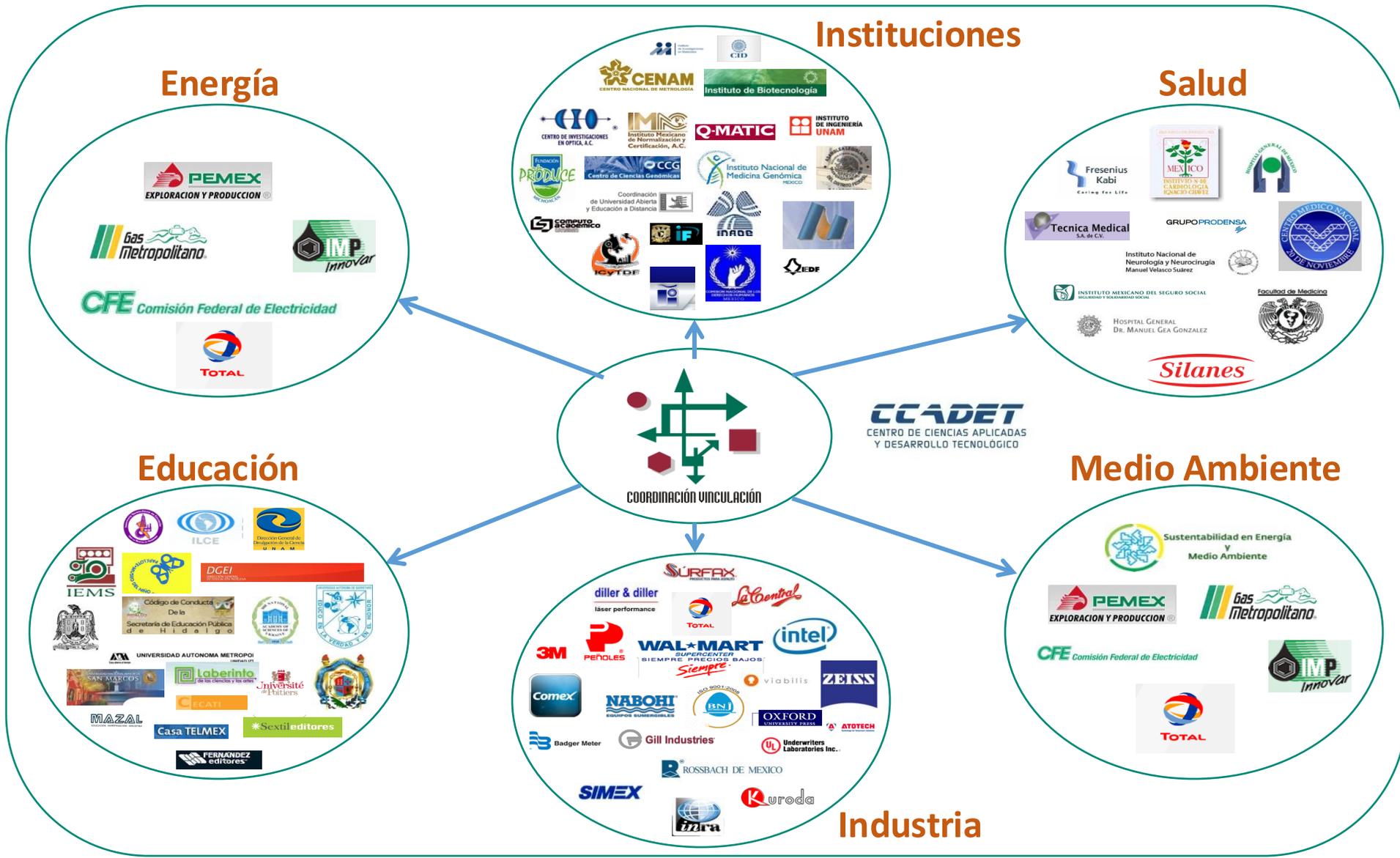
PRODUCT DEVELOPMENT

# Resultados en Gestión Tecnológica



# Resultados en Gestión Tecnológica





## Energía

PEMEX  
EXPLORACION Y PRODUCCION

Gas Metropolitano

IMP  
Innovar

CFE Comisión Federal de Electricidad

TOTAL

## Instituciones

CENAM  
CENTRO NACIONAL DE METEOROLOGIA

Instituto de Biotecnología

CIO  
CENTRO DE INVESTIGACIONES EN OPTICA, A.C.

IMCO  
Instituto Mexicano de Normalización y Certificación, A.C.

Q-MATIC

INSTITUTO DE INGENIERIA UNAM

PRODUCE

CCG  
Centro de Ciencias Genómicas

Instituto Nacional de Medicina Genómica

Coordinación de Universidad Abierta y Educación a Distancia

COMPTON

IF

INADE

IGVDF

EEDF

## Salud

Fresenius Kabi  
Caring for Life

MEXICO  
INSTITUTO MEXICANO DEL SEGURO SOCIAL

GRUPO PRODENSA

Tecnica Medical  
S.A. de C.V.

Instituto Nacional de Neurología y Neurocirugía Manuel Velasco Suárez

HOSPITAL GENERAL DR. MANUEL GEA GONZALEZ

Facultad de Medicina

Silanes

## Educación

ILCE

DGEI

IEMS

Código de Conducta De la Secretaría de Educación Pública de Hidalgo

UNIVERSIDAD AUTONOMA METROPOLI

San Marcos

Mazal

Casa TELMEX

Sextil editores

FERNANDEZ editores

CCADET  
CENTRO DE CIENCIAS APLICADAS Y DESARROLLO TECNOLÓGICO

COORDINACIÓN VINCULACIÓN

## Medio Ambiente

Sustentabilidad en Energía y Medio Ambiente

PEMEX  
EXPLORACION Y PRODUCCION

Gas Metropolitano

CFE Comisión Federal de Electricidad

IMP  
Innovar

TOTAL

## Industria

SURFAX

diller & diller  
láser performance

La Central

TOTAL

intel

WAL-MART  
SUPERCENTER  
SIEMPRE PRECIOS BAJOS

3M

PENOLAS

Comex

NABOHI  
GRUPO SUBSIDIARIAS

viabilis

ZEISS

Badger Meter

Gill Industries

Underwriters Laboratories Inc.

SIMEX

ROSSBACH DE MEXICO

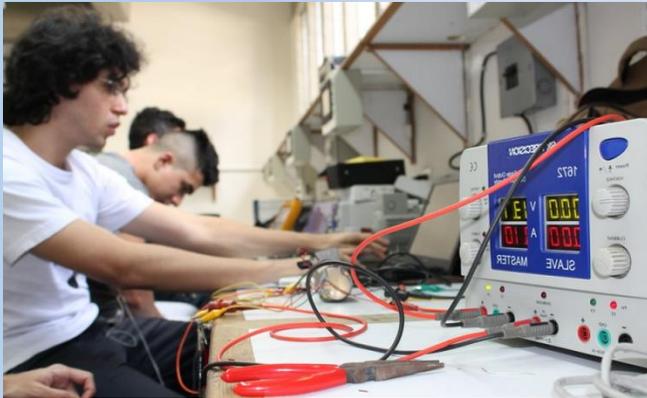
Kuroda

Ubara

Our products are: applied  
science, technology and  
knowledge

# ***Our product: technology and knowledge developed at UNAM***

The main mission of UNAM, as a public university, is the training of human resources; technology is often generated in this process.



## Final comments

Regarding the initial question: ***how can support for innovation help generate broader economic opportunities?***

- Transfer the intellectual property titles and certificates of the technologies developed, we have, to mexican entrepreneurs
- Build a new Strategic Alliance with some foreign or local institution to continue research and development, improving the technology we already have or developing new ones.
- University produces technology laboratory prototypes, it is required to have funds to develop a center, organization,

## Final comments

### *Economic opportunities?*

- University produces technology laboratory prototypes, it is required to *have funds and convince the appropriate authorities*, to develop a center, organization, company to interface UNAM with the market economic world. This organization must be dedicated to *develop new products from the prototypes we produce*, giving them commercial products characteristics
- Funds are required to develop Spin Offs companies constituted by the PhD, masters, bachelors, post-PhD's we formed.

Thank  
you!