

# Chilean Technology Transfer Strategy

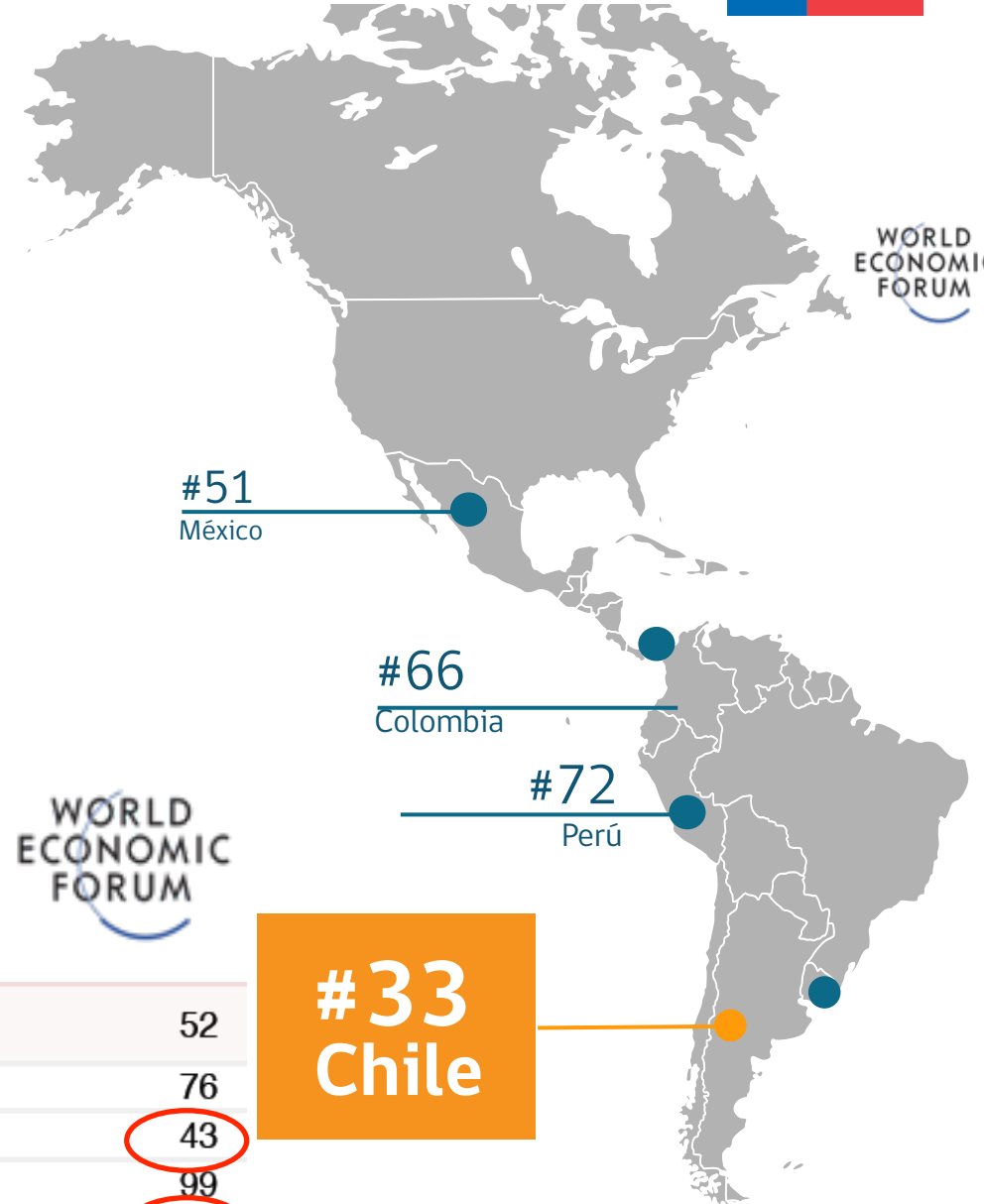
Etienne Choupay M.  
Sub Jefe

División de Innovación

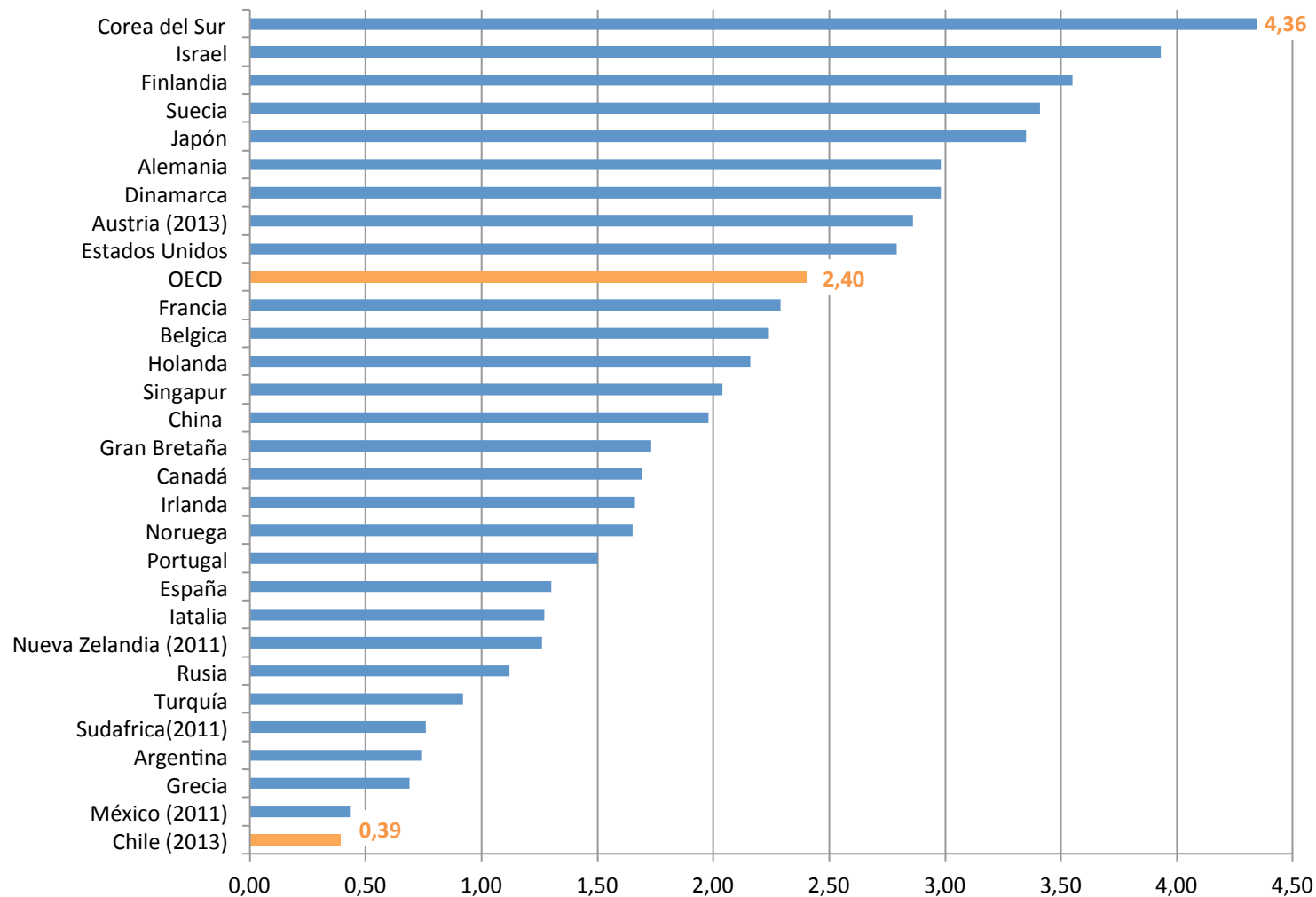
# CHILE is the most competitive economy in Latin America (WEF, 2017)

→ Innovation #52

 12th pillar: Innovation	52
12.01 Capacity for innovation	76
12.02 Quality of scientific research institutions	43
12.03 Company spending on R&D	99
12.04 University-industry collaboration in R&D	58
12.05 Gov't procurement of advanced technology products	110
12.06 Availability of scientists and engineers	22
12.07 PCT patents applications/million pop.	45



# R&D SPENDING, SELECTED COUNTRIES (%GDP)

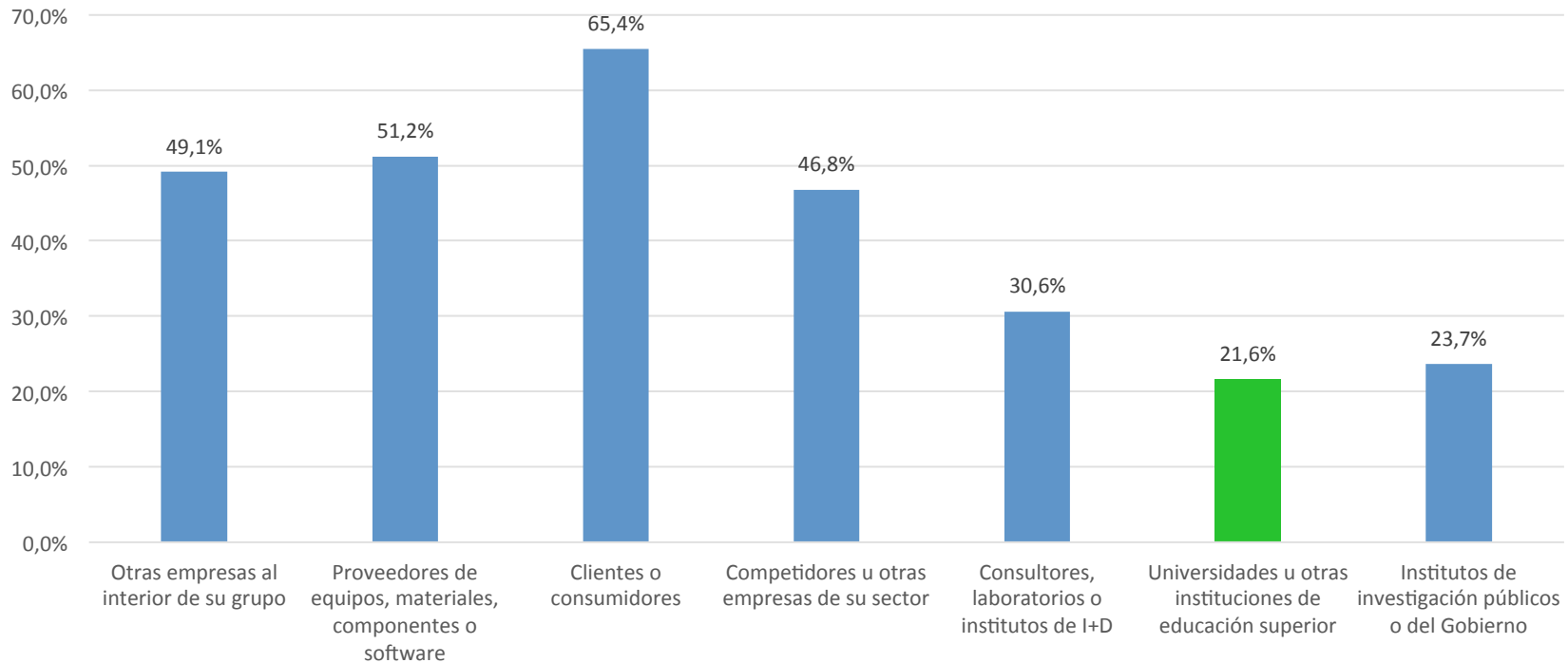


SOURCE: Main Science and Technology Indicators Database, OECD, DEC 2014.

# Chilean Business Innovation Rate : 16%

Companies that carried out innovative activities, and collaborate<sup>0</sup>o: 13,4%

## Type of collaboration



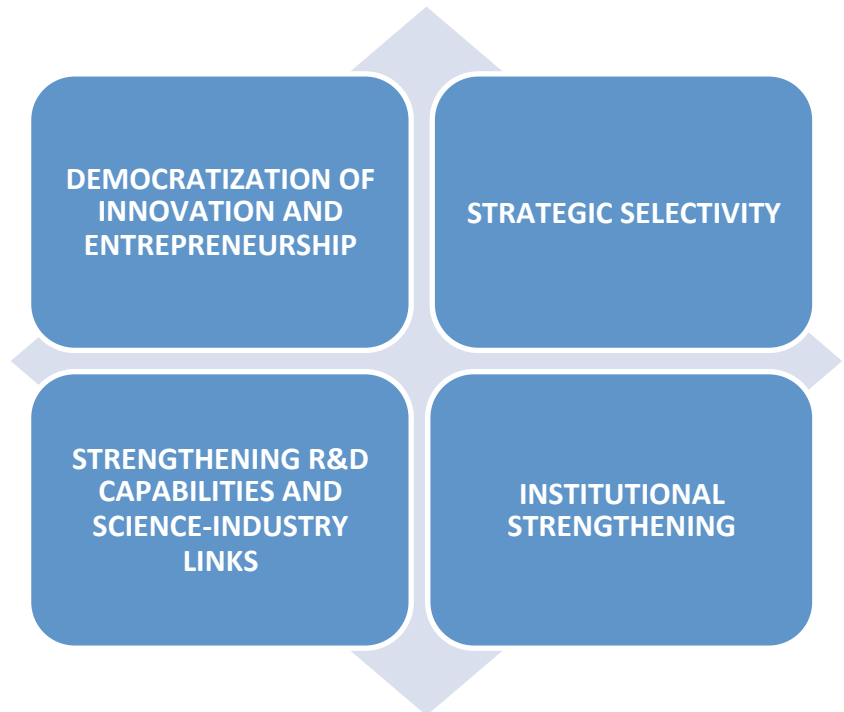
# Agenda of Productivity, Innovation and Growth

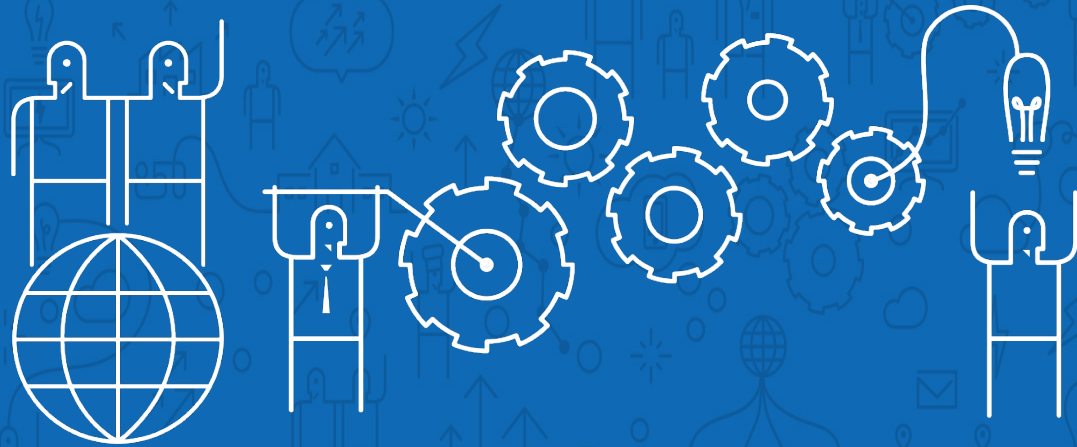
## Government of President Michelle Bachelet 2014–2018



Our economy is facing a new phase of development; the goal is to **move from an economy based on natural resources to a knowledge-based economy.**

**Innovation Plan  
2014–2018**





# **STRENGTHENING R&D CAPABILITIES AND SCIENCE- INDUSTRY LINKS**

# Technology Transfer Diagnosis (World Bank, 2009)

**IP management: improving institutions, regulations, practices**

**Developing strategic partnerships for applications oriented research**

**Accelerating the formation of new technology companies**

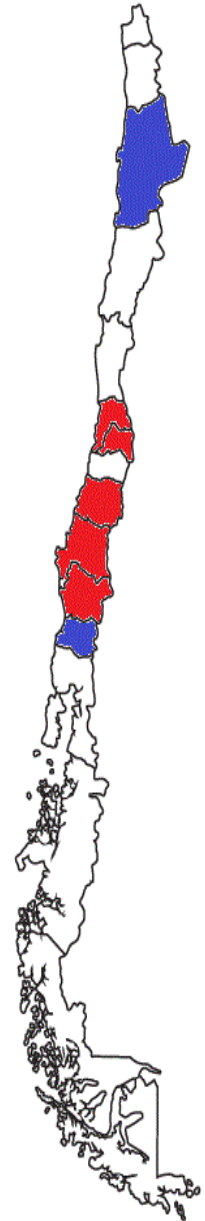
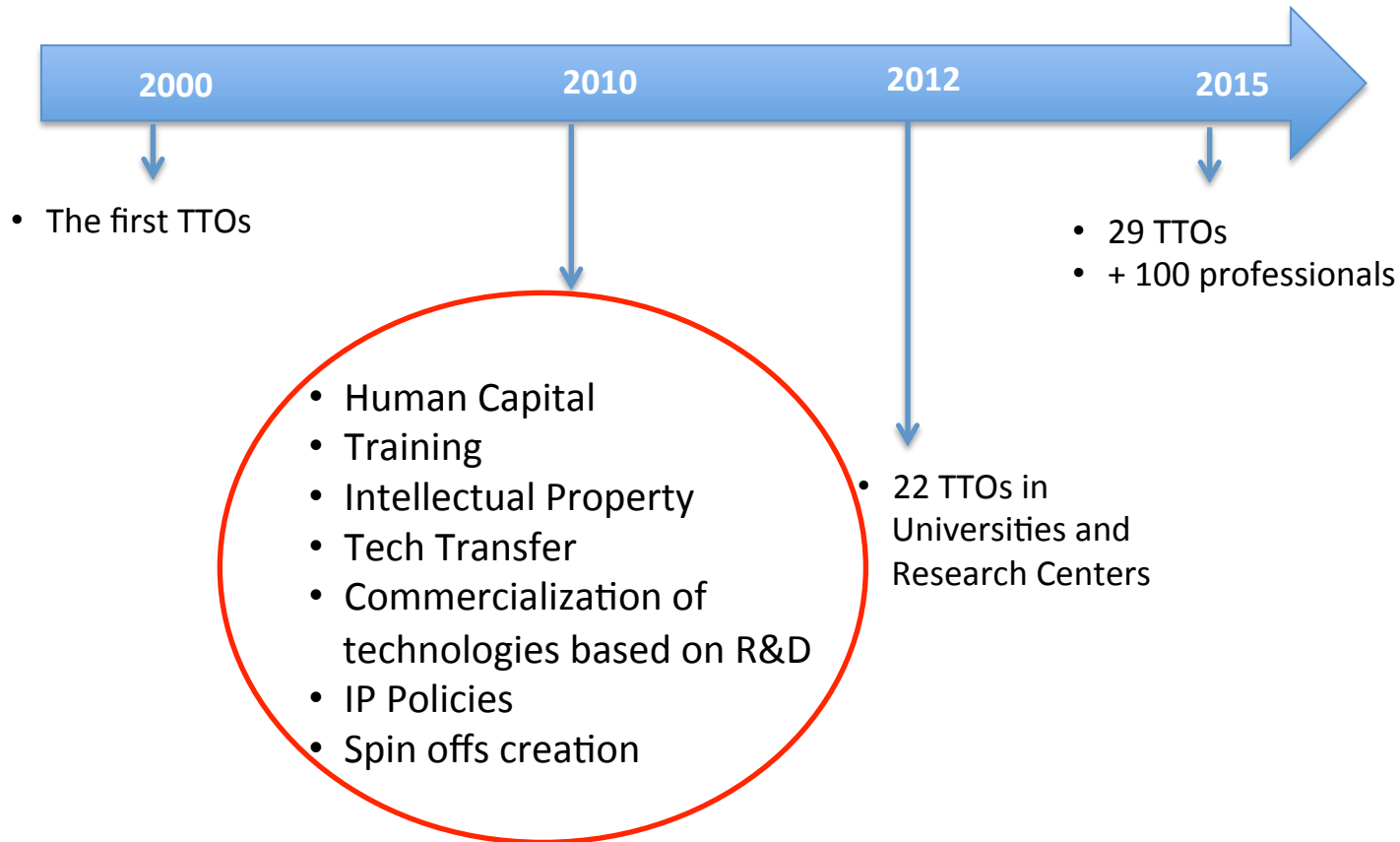
**Developing the necessary skills**

**Fostering technology extension services and stimulating its demand**

**Nurturing universities “third mission” of contributing to economic development**

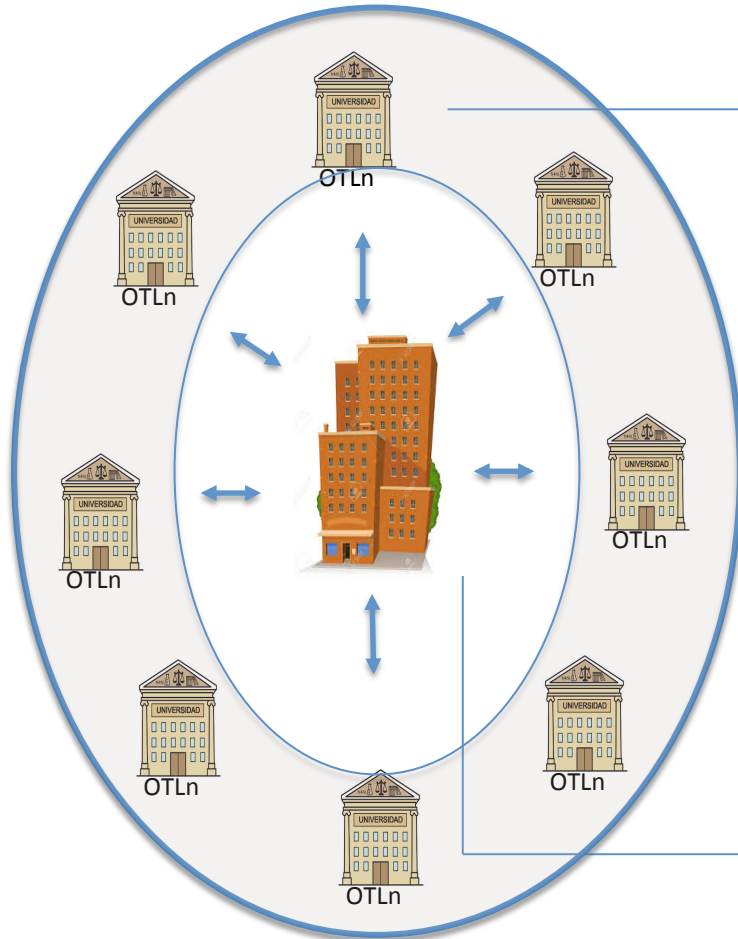
**Fostering an innovative and entrepreneurial culture**

# National TTOs





# Chilean Technology Transfer Strategy



## On campus: TTOS

To strengthen TTOs in universities and research centers: policies, human capital, IP regulations.

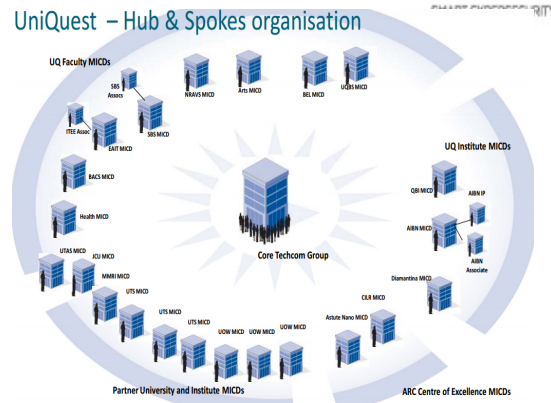
## Off Campus: HUBS

Increase the amount and international reach of technology businesses based on R&D results generated in Chilean universities and research centers.

# Towards a design of a tech transfer collaborative HUB

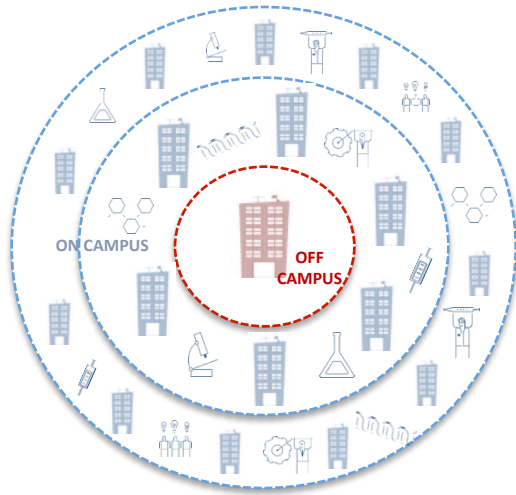


## Review of international tech transfer models



There is not a unique  
succesfull  
model....we have to  
design ours!

# Results of Chilean Technology Transfer Strategy



A unique model on campus-off campus was developed for enhancing technology transfer in the Universities and R&D centers

## Technology Transfer Model (on-off campus)

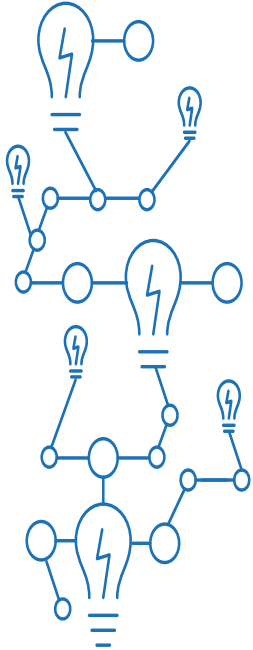
### a) On campus

- On going projects: 29 TTOs from universities and technology centers

### b) Off campus 3 Tech Transfer collaborative HUBS

- On going projects: HUBTEC – KNOWHUB – APTA
- 26 Universities
- 8 Technology Centers
- 4 International Centers of Excellence
- 2 Investment Funds
- 11 companies

# Expected Results of Hubs



- Strategic Plans: model of associativity, business model, and a governance model.
- To increase the quantity and quality of skills in technology transfer.
- To increase the commercialization of Chilean technologies abroad.
- To increase the value of the portfolio of technological assets or innovations.
- To increase the number and amount of R&D contracts.
- To increase the number of spin offs.

**A big common challenge:**

**How to measure the impact of technology transfer?**

# Chilean Technology Transfer Strategy

Etienne Choupay M.  
Sub Jefe

División de Innovación