



AGÊNCIA NACIONAL  
DE INOVAÇÃO

# Stimulating Knowledge Transfer

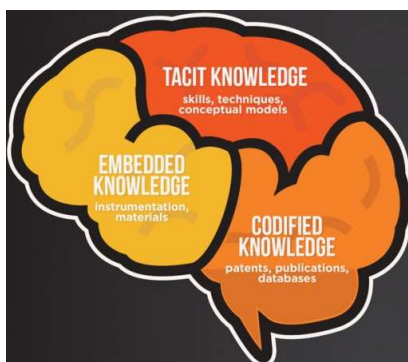
OECD Workshop

8 Nov'17

José Carlos Caldeira  
ANI - President  
[jcaldeira@ani.pt](mailto:jcaldeira@ani.pt)

# FOREWORD - KNOWLEDGE & COLLABORATIVE INNOVATION: At the heart of ANI Mission

## Better Collaboration Between Business and Academia



**Relationships**

**Collaborative R&D**



**Mobility**

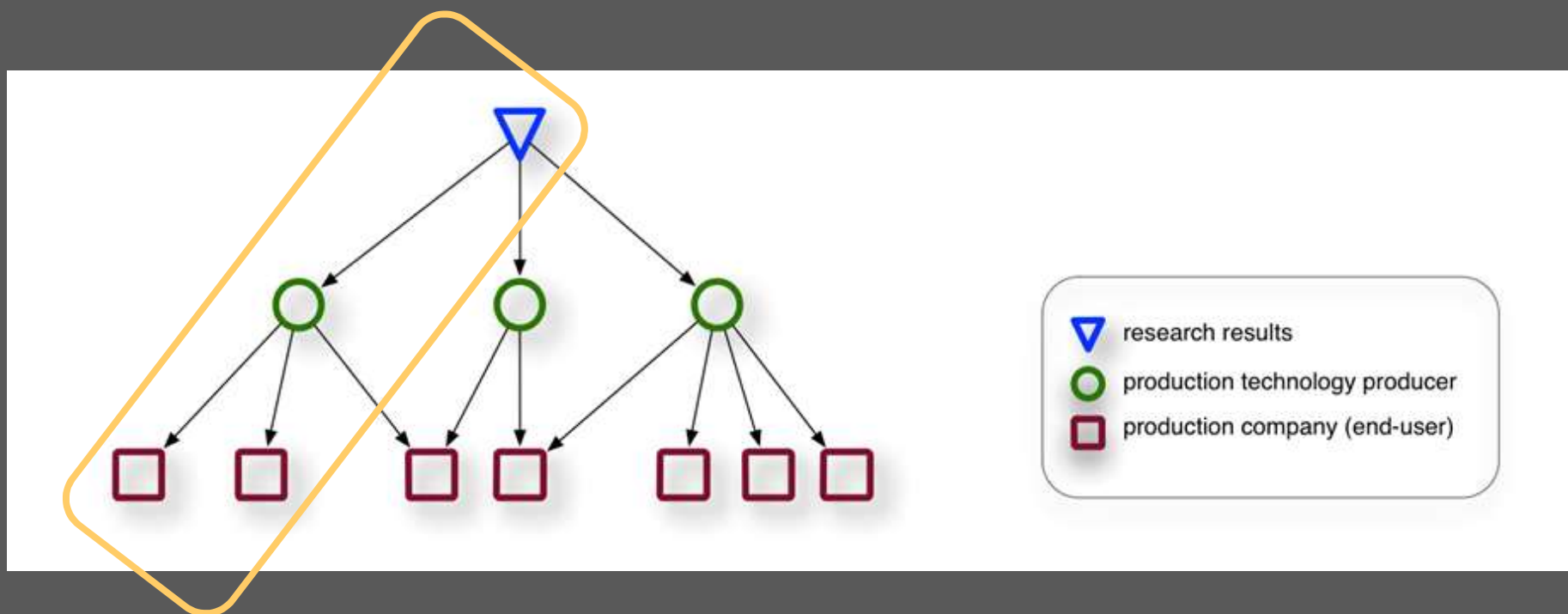
**Students  
&  
Researchers (PhD)**



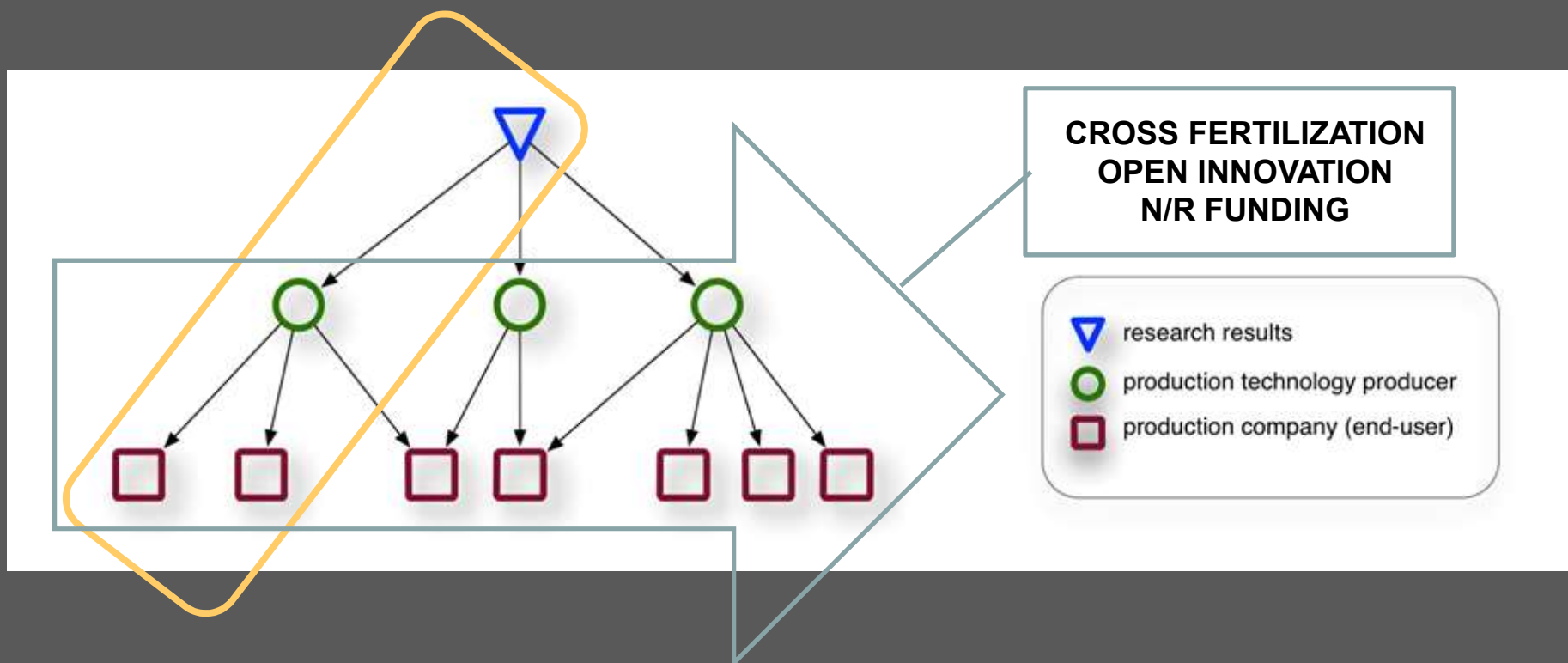
**Transfer**

**IP commercialization  
Scientific publications  
entrepreneurship**

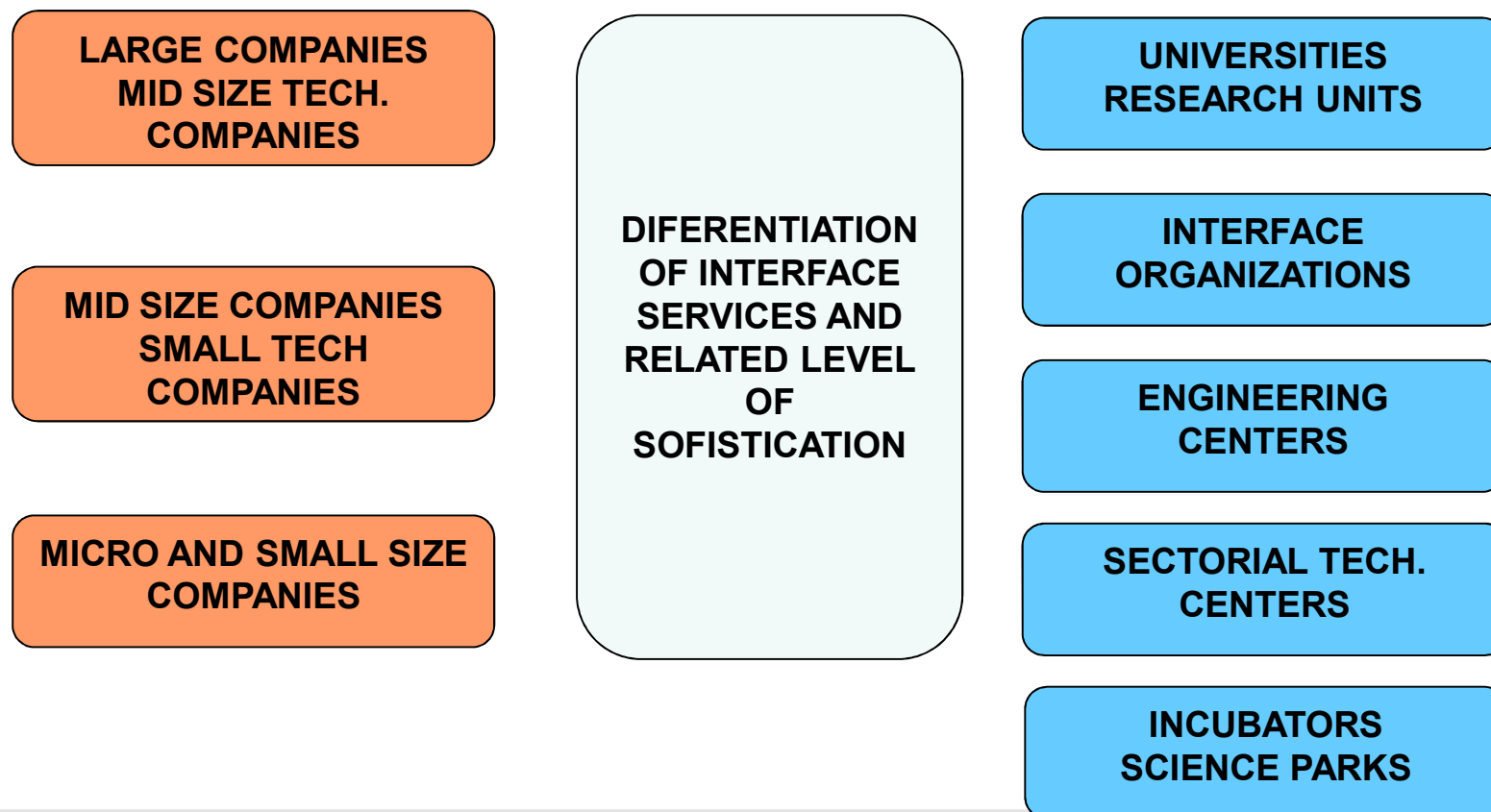
## KEY ENABLING TECHNOLOGIES: A VALUE CHAIN PYRAMID



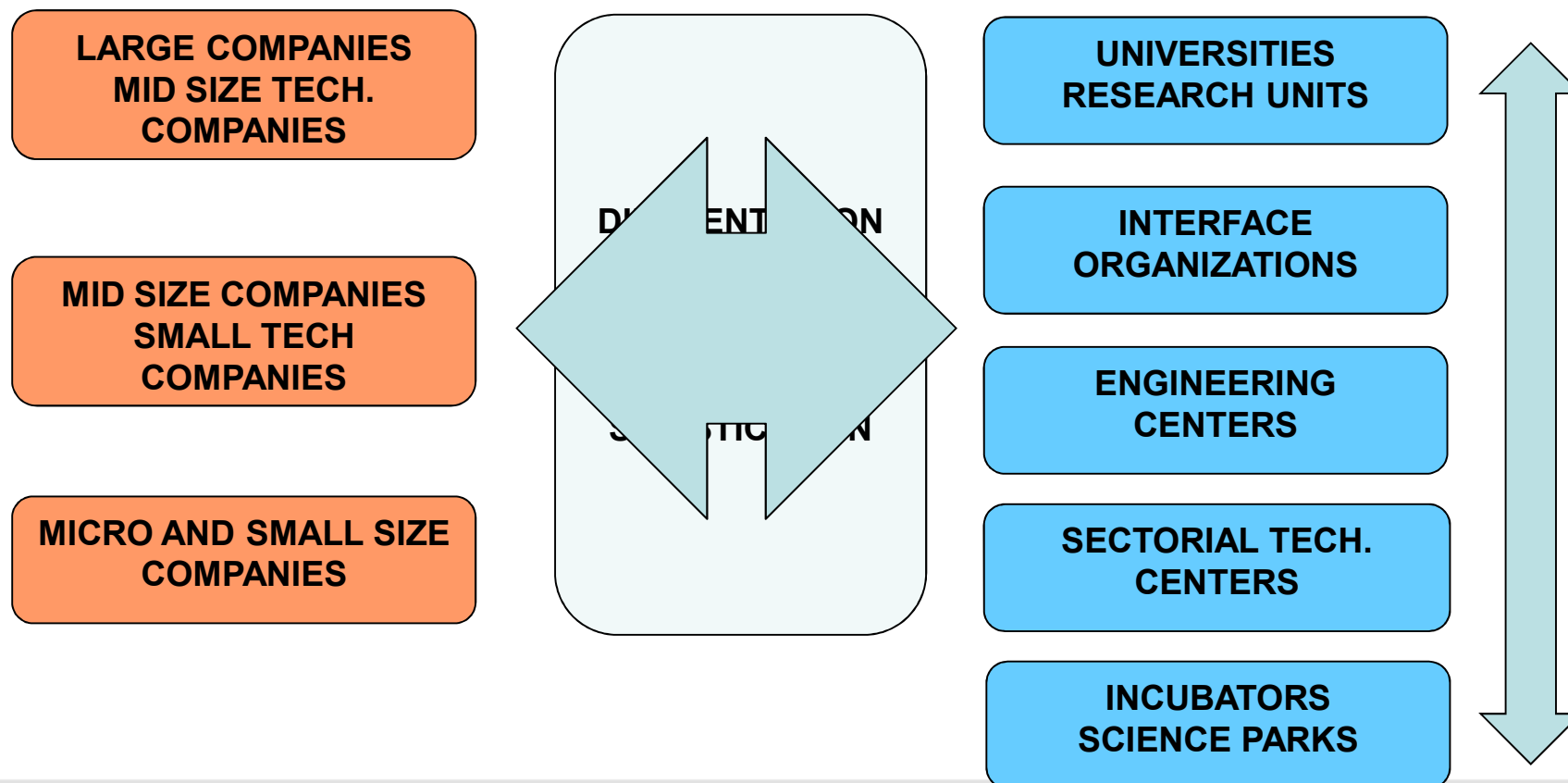
### KEY ENABLING TECHNOLOGIES: A VALUE CHAIN PYRAMID



## RDI Ecosystem - Flow of Knowledge (and People)



## RDI Ecosystem - Flow of Knowledge (and People)



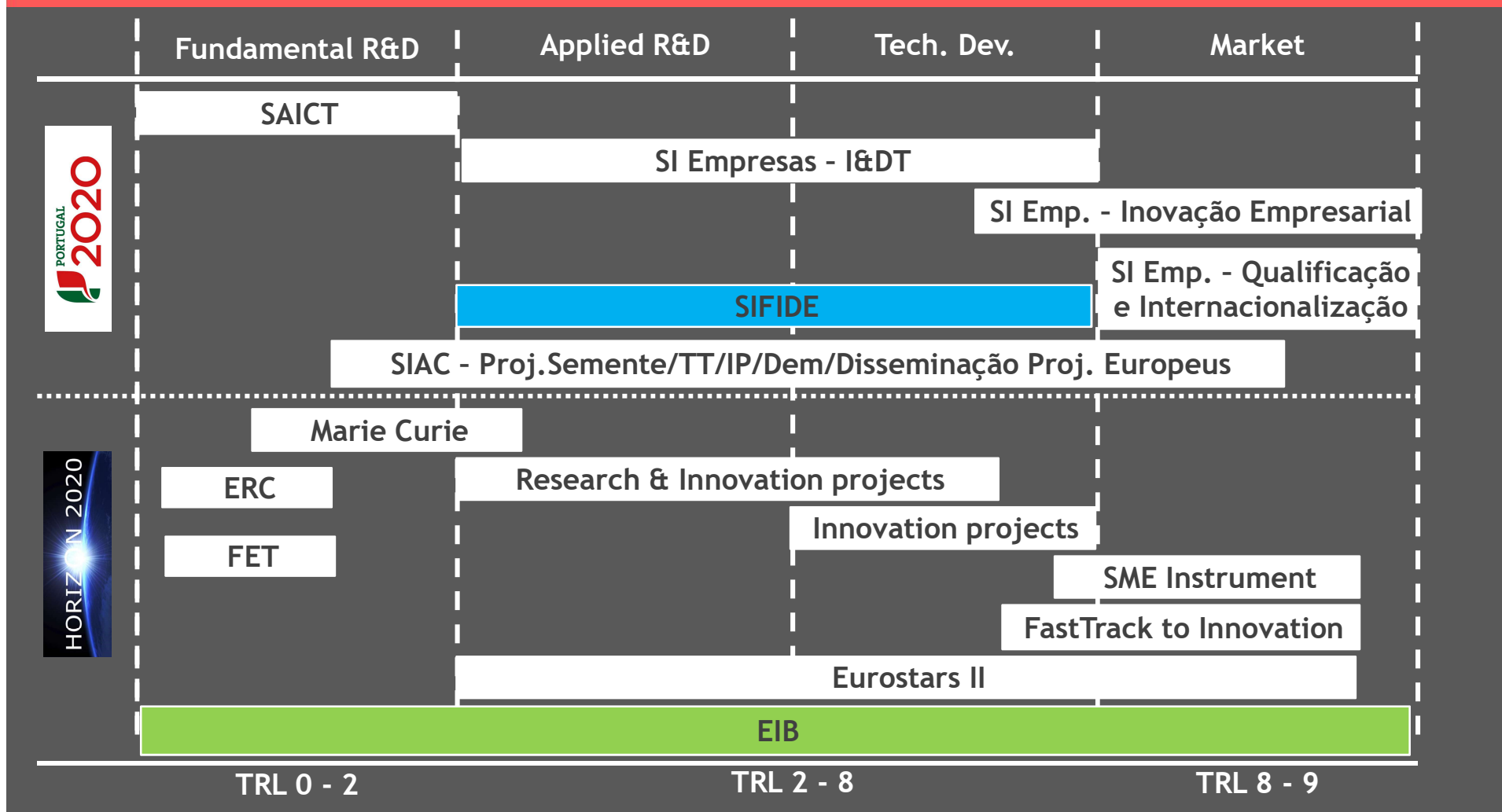
## FUNDING AND FINANCING

**INCREASE OF TECHNOLOGY DEVELOPMENT SPEED AND DIVERSIFICATION +  
PRODUCT AND SERVICE LIFECYCLE REDUCTION = HIGHER PRESSURE FOR  
R&D&I INVESTMENT (volume and ROI)**

- **Need to take advantage of all funding opportunities (international, national and regional)**
- **Need to combine and integrate complementary funding sources to cover the entire innovation cycle (different rules, time windows, etc.)**
- **One of the main challenges at European level**

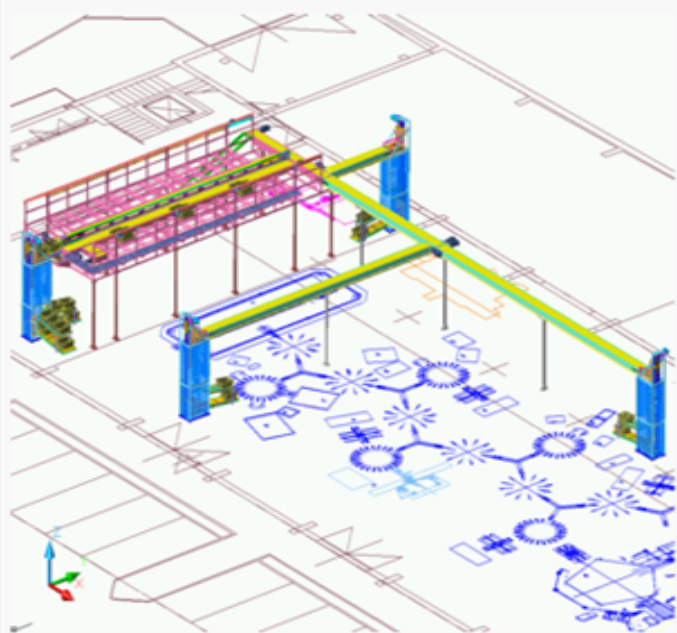
# KNOWLEDGE & COLLABORATIVE INNOVATION:

Opportunities towards the 2020 milestone  
Integrated approach to the R&I cycle





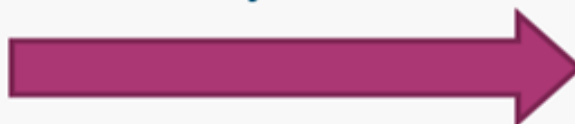
## KNOWLEDGE & COLLABORATIVE INNOVATION: Opportunities towards the 2020 milestone Integrated approach to the R&I cycle



Development of a Highly Flexible Logistic System for Customized Products



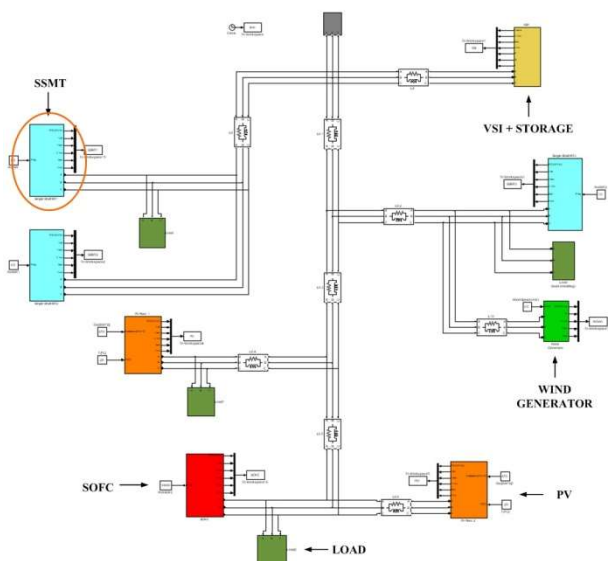
IPP Pilot Plant  
Shoe Sector  
Vigevano – Italy  
Funded by National Funds



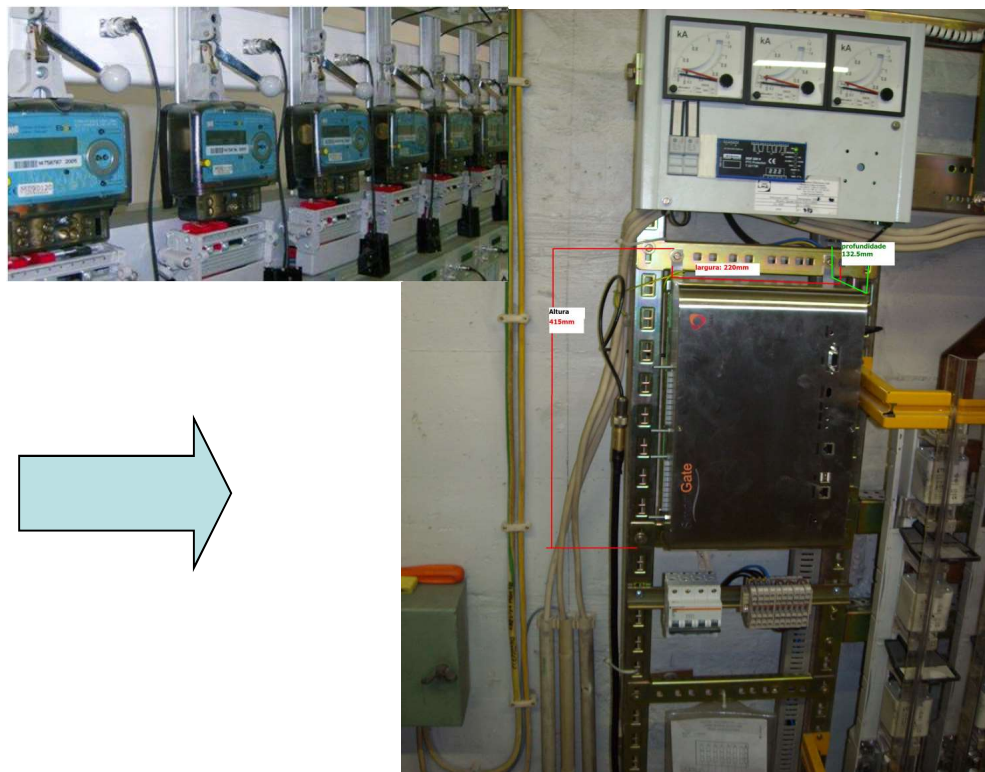
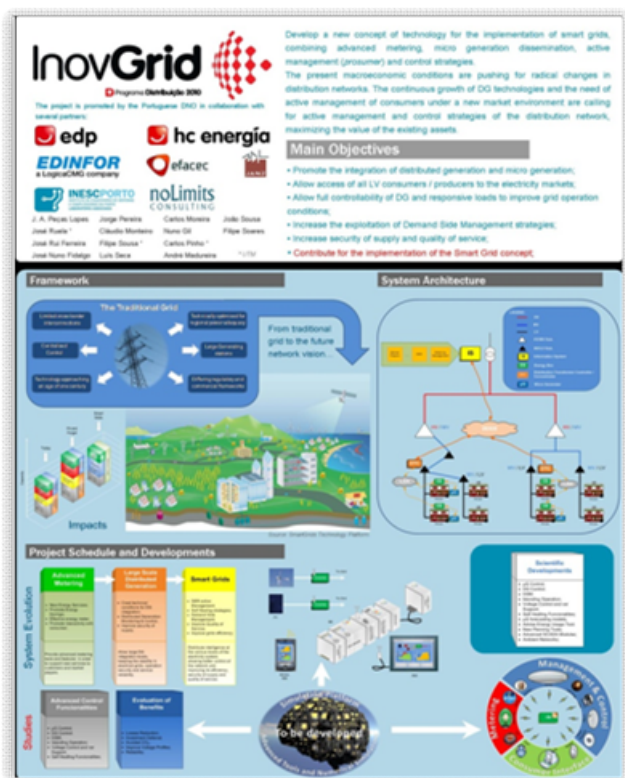
Cross Fertilization  
Metalworking Sector (Company)  
Demonstrator  
Porto – Portugal  
Funded with Structural Funds



## MICROGRIDS (EU Project)



## National Project (Pilot > 33.000 consumers)





ANI: Value creating integrative approach to the R&I cycle

incentives | services

financial/tax - internationalization - support



# KNOWLEDGE & COLLABORATIVE INNOVATION:

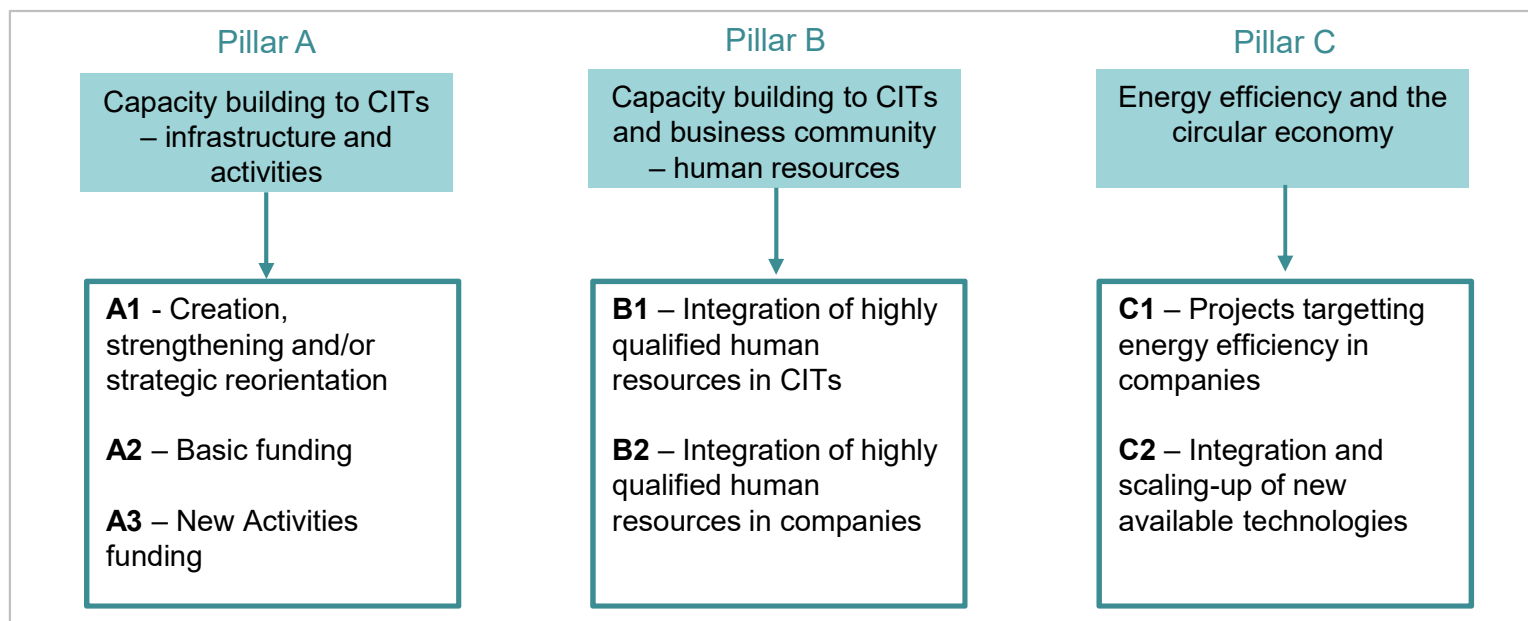
Challenges towards the 2020 milestone

## PT2020 FUNDING INSTRUMENTS (2014-2020)

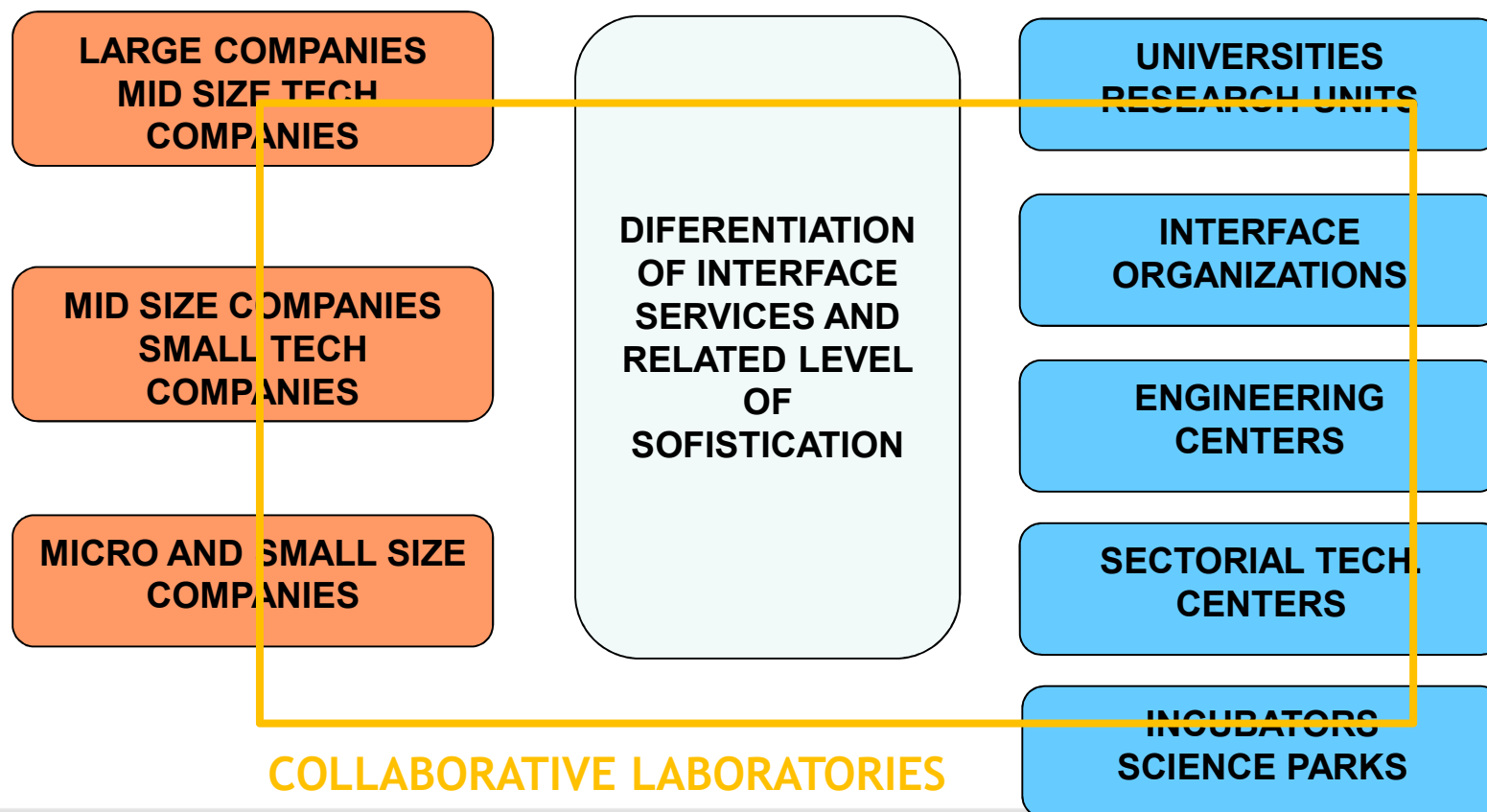
Incentive Systems for companies (Areas)	Project Typologies	Contract
Research and Technological Development (R&TD)	Companies – R&TD	<u>Consortium/Individual</u>
	Pilots and Demonstrators (new)	<u>Consortium/Individual</u>
	Large scale mobilizing projects	<u>Consortium</u>
	R&TD Teams in enterprises (new)	<u>Consortium/Individual</u>
	Protection of intellectual and industrial property (new)	<u>Consortium/Individual</u>
	R&TD Internationalisation (new)	<u>Consortium/Individual</u>
	R&TD Voucher	Individual
Entrepreneurship and Business Innovation	Productive innovation for non-PME's	
	Productive innovation for PME's	
	Qualified and creative Entrepreneurship	
	Entrepreneurship Voucher	
Qualification and Internationalisation of SMEs	Internationalisation of SMEs	
	Qualification of SMEs	
	Internationalisation and Innovation Vouchers	

## Technological Interface Centers (CIT)

- Mapping of national technological infrastructures
- New dedicated funding programme under development:



## RDI Ecosystem



### CHALLENGES AHEAD

- Reinforce investments in knowledge creation and education and training (no knowledge and human resources -> no innovation)
- Boost the transfer (EXCHANGE) of knowledge and people along the entire innovation value chain
- Bring more actors to the innovation eco-system (companies and research organizations) and push for more collaboration
- Diversify funding sources (mainly in the case of Universities and Polytechnics), including international ones.





AGÊNCIA NACIONAL  
DE INOVAÇÃO

Thank you!

José Carlos Caldeira

[jcaldeira@ani.pt](mailto:jcaldeira@ani.pt)

Stimulating Knowledge Transfer