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# CoLABS

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## - Collaborative Laboratories -

for the stimulation and reinforcement of the  
innovation and technology transfer in Portugal

by

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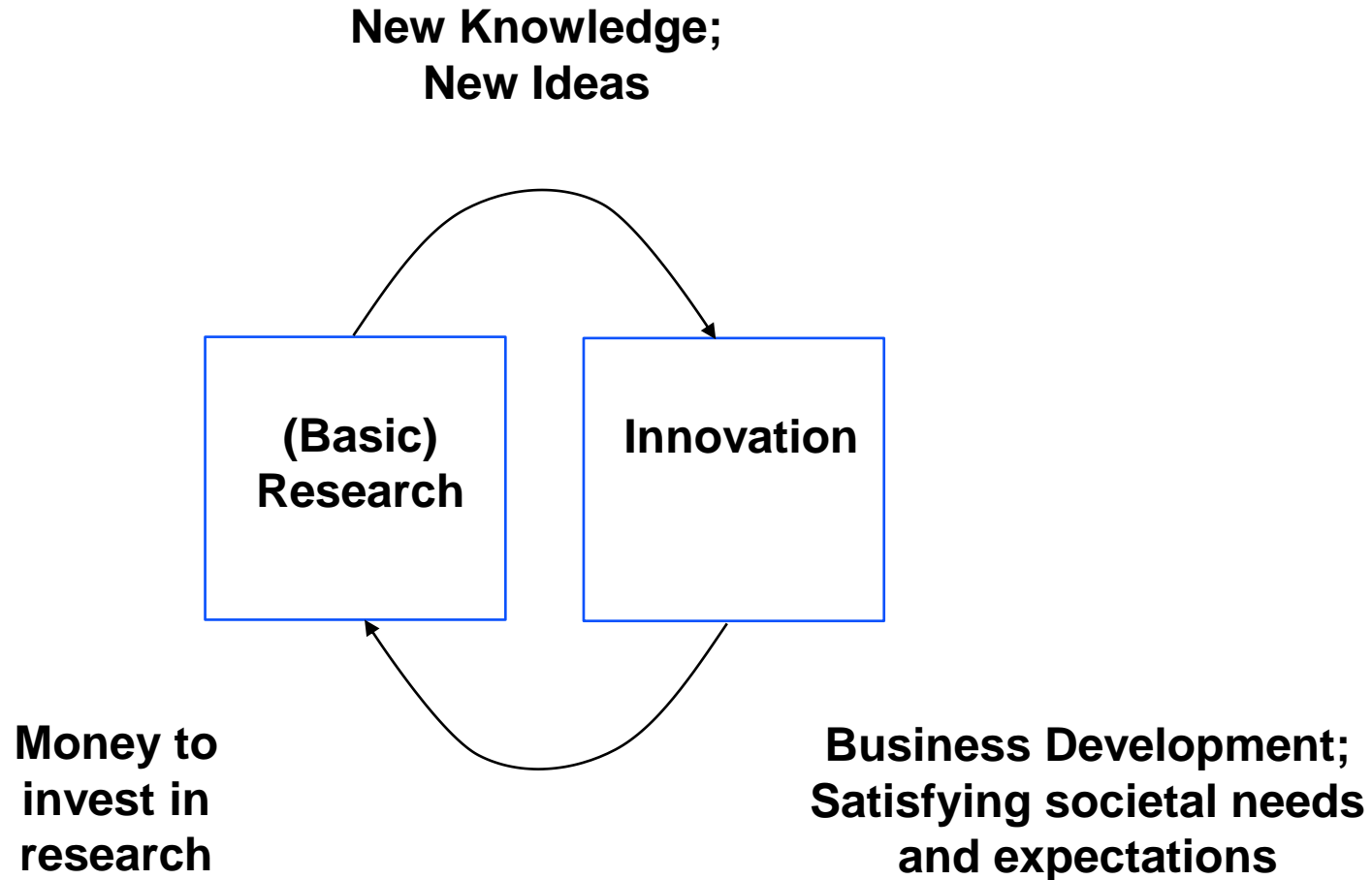
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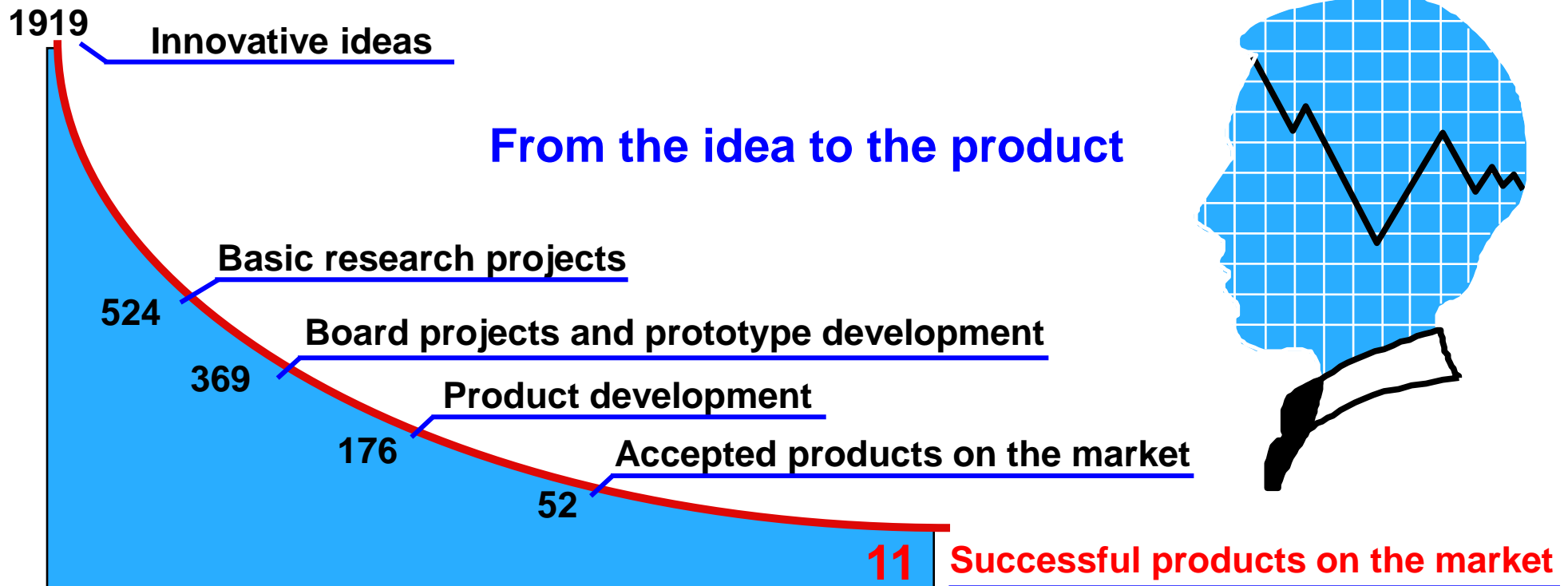
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# Innovation Cycle

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# From generating ideas to exploitation

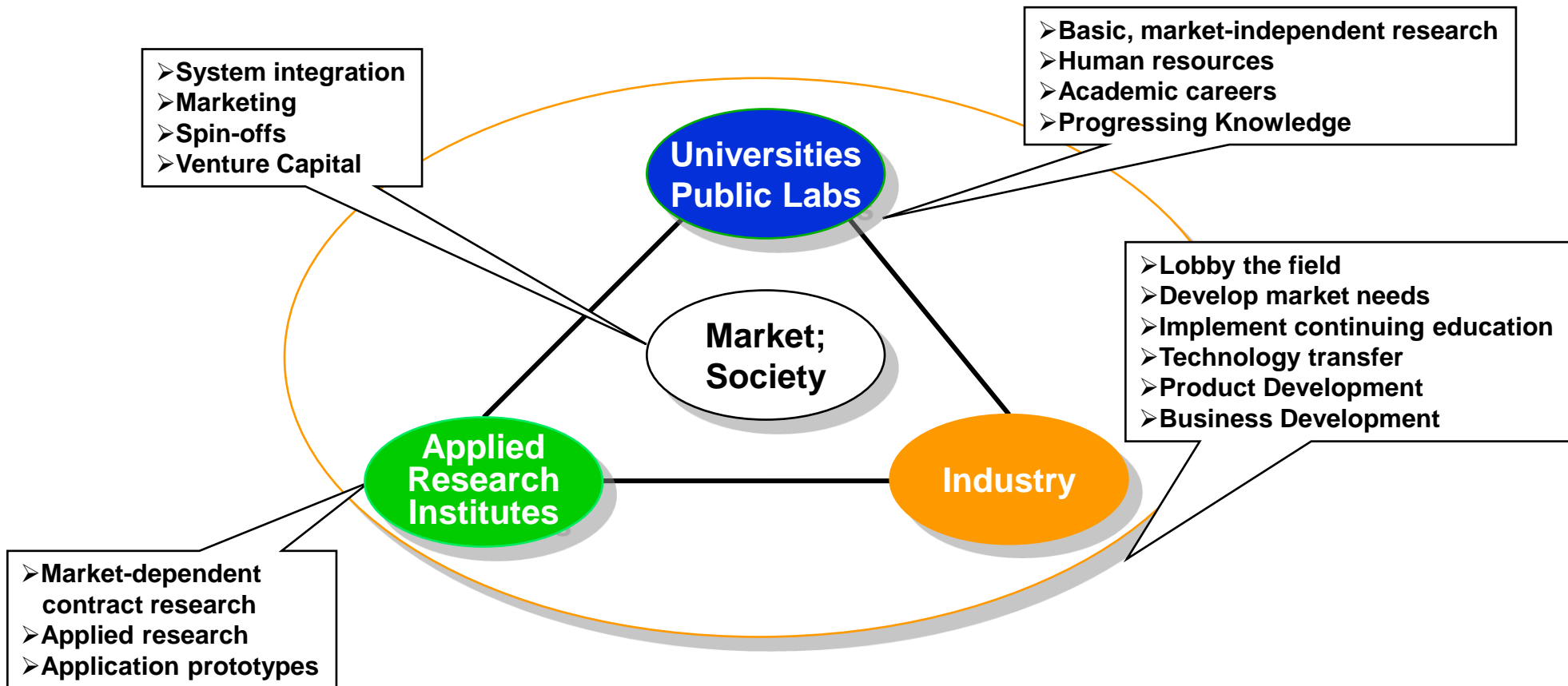


**You have to kiss many many frogs,  
to find the one and only prince!**

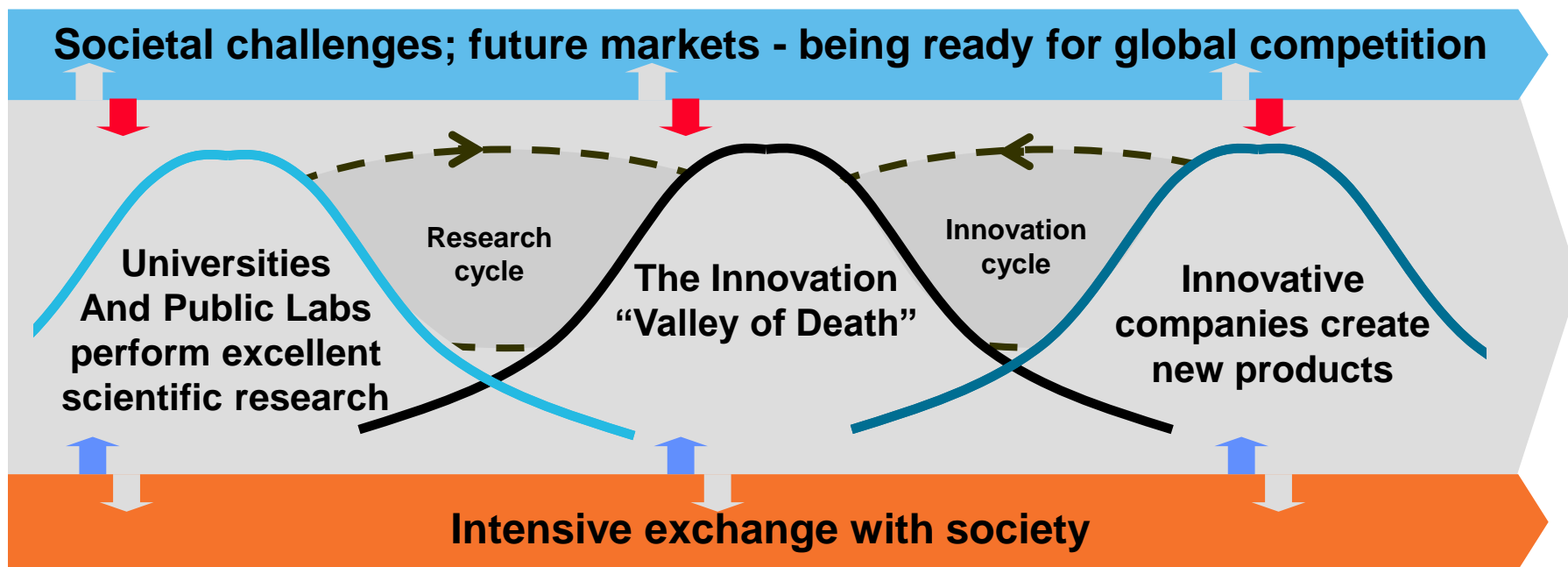
Arthur Frey, 3M, Inventor of Postit

Source: Kienbaum

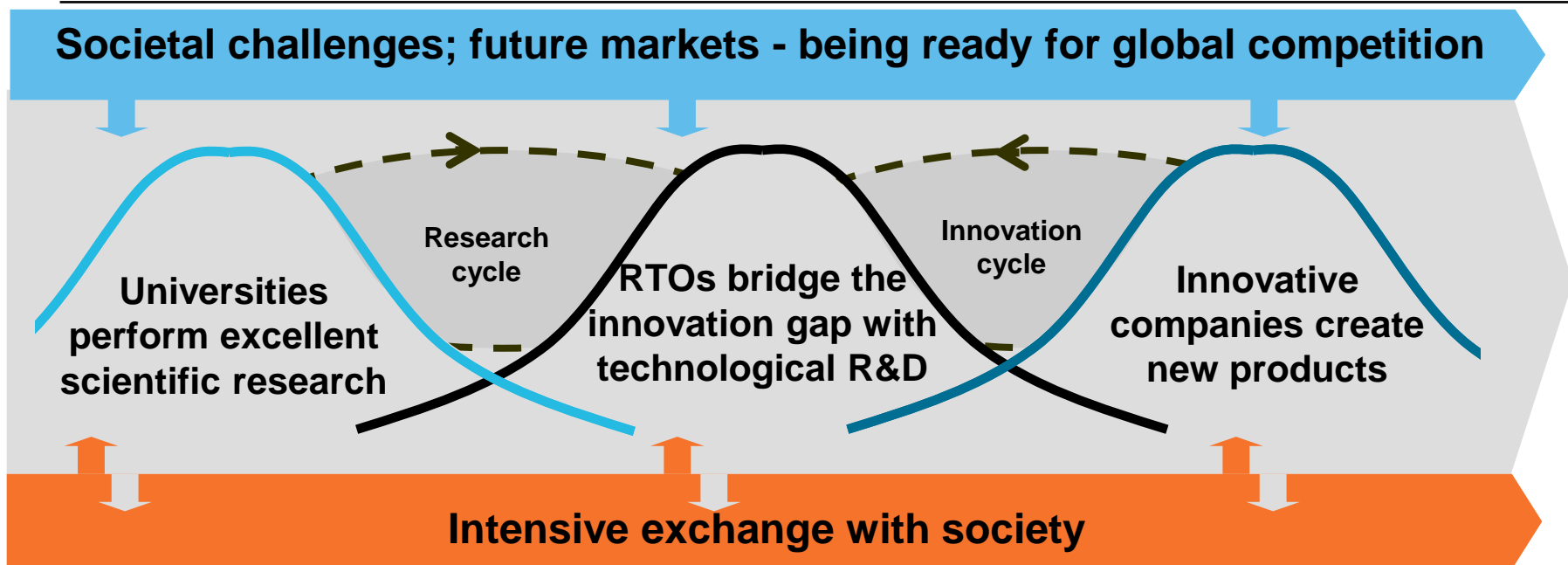
# The „players“ in the Innovation Process



# The „Innovation Valley of Death“

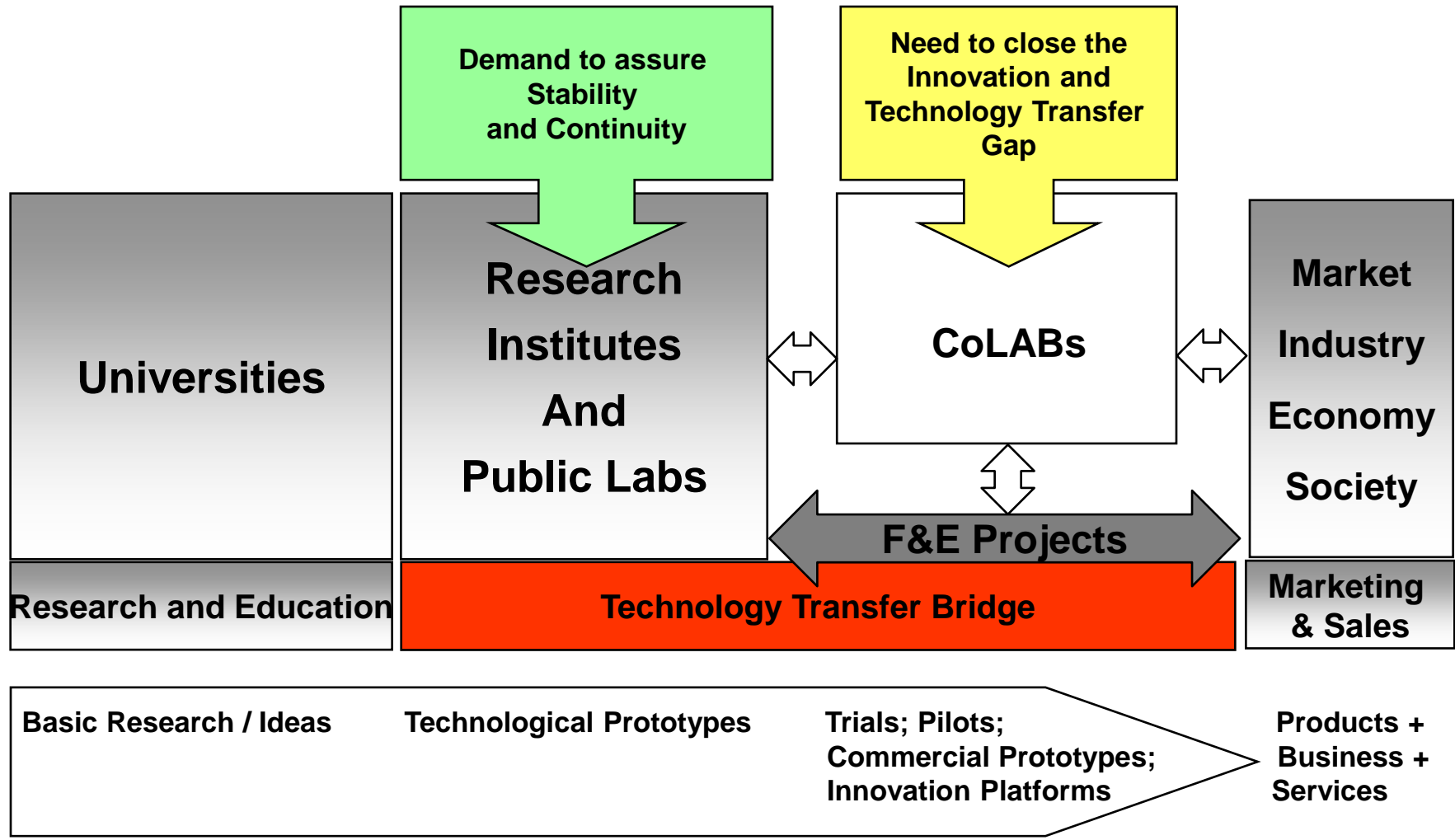


# The RTO's bridge the Innovation CAP



- professional R&D services to industry
- demand driven research combined with scientific excellence
- autonomy of institutes combined with simple corporate rules
- working in networks

# Closing the GAP – the need for CoLABS in Portugal





## What is a CoLAB? (1)

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A CoLAB is a **private, non-profit association** or a **private company, specially created for this purpose**, that **integrates, for example**, higher education institutions and its institutes and research units, associated and state laboratories, intermediate and interface institutions, **companies, business associations, public institutions and other relevant partners** such as social or cultural institutions, incorporated **in one independent legal entity**, the CoLAB.

The **main objective** of the CoLABs is to **create skilled jobs and economic and social value, by promoting employment through the development of knowledge-based activities**, based on the implementation of medium-term research and innovation agendas.

## What is a CoLAB? (2)

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The **CoLABs complement and reinforce the current landscape of R&D units and Associate Labs in Portugal**, aiming at stimulating the active participation of the scientific/academic, business and public communities in the **analysis and solution of large scale and complex problems**, generally multidisciplinary, interdisciplinary and multi-institutional.

They should also **complement** existing and future scientific and innovation **networks**.

R&D issues to be analysed by CoLABs are to identified by the coordination of business, social and cultural interventions with a view to **mobilize skilled employment in the implementation of effective solutions with socio-economic impact**.

## What is a CoLAB? (3)

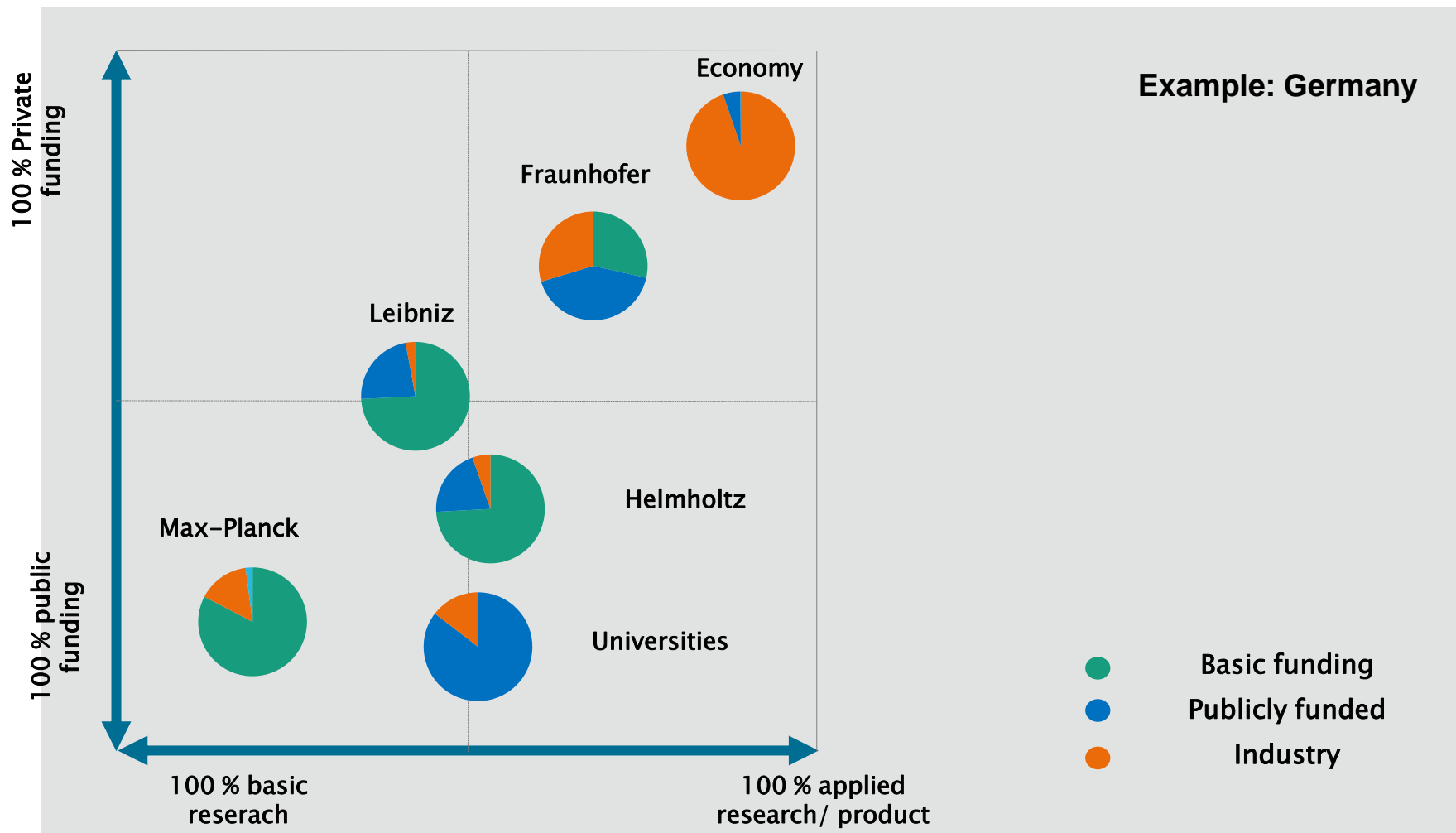
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**A consortium of participating entities (including mandatorily business and other social partners) being integrated into one single legal entity to work together:**

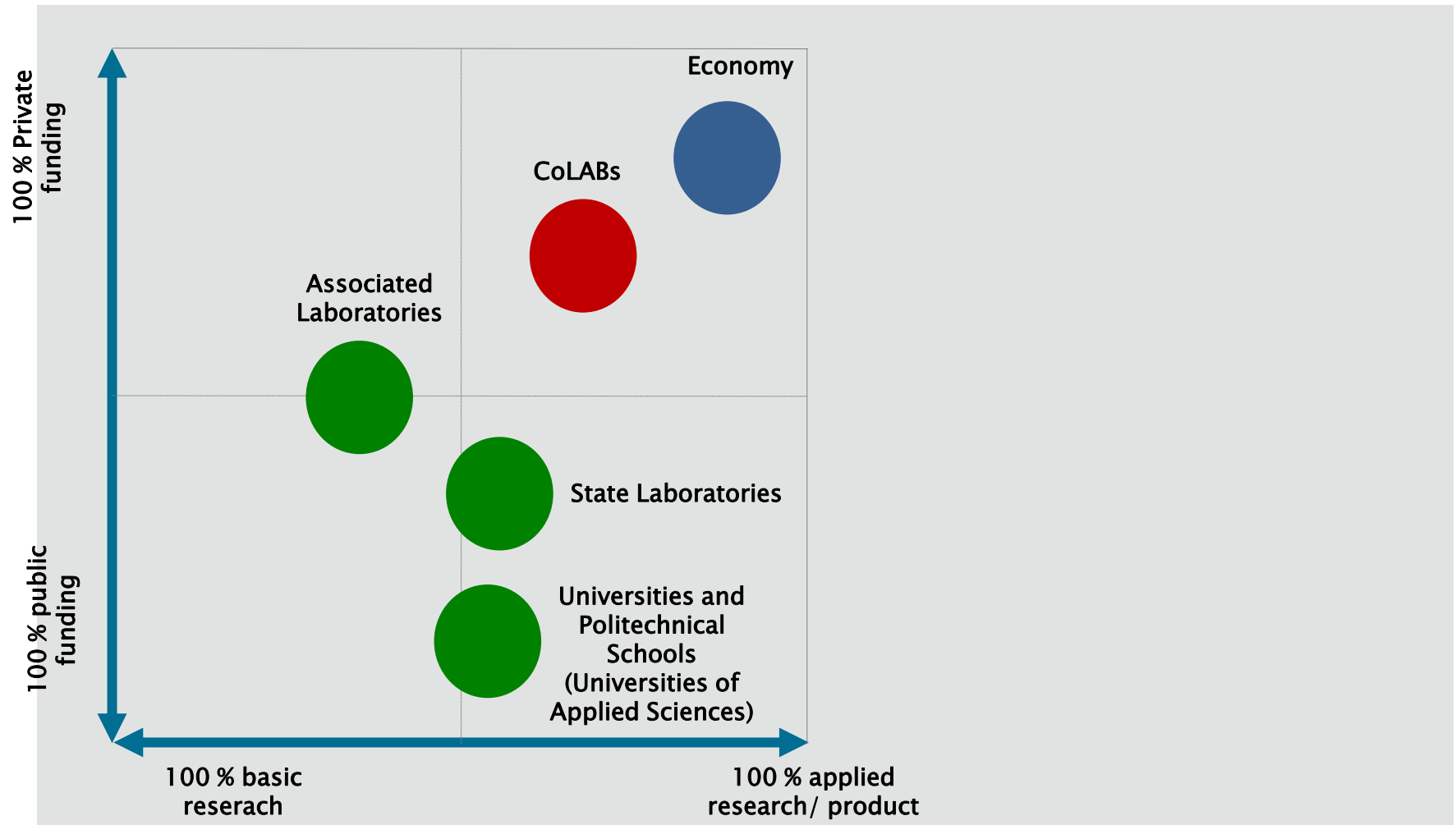
- **to solve complex, large scale problems** of international relevance and with an effective social impact and economic added-value in Portugal;
- **to develop synergies and multi-/interdisciplinary activities** in the scientific community in Portugal;
- **to create innovative economic value;** and
- **to create additional high-quality jobs** (not only Ph.D.'s and Post-Docs)

# CoLAB's positioning in Innovation System (1)

(Example: Germany as an orientation for the potential positioning of the CoLABs)



## CoLAB's positioning in Innovation System (2)



## CoLAB's Initiative supported by an „Intl. Evaluation Committee“

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**Chairman:** Prof. **José Luis Encarnação**  
Technische Universität Darmstadt  
and Fraunhofer Gesellschaft, Germany

**Members:** Prof. **Julian Florez**  
CEO; VICOMTech  
San Sebastian, Spain

Prof. **Ser Yong Lim**  
Executive Director  
SIMTech, Singapore

Prof. **Egbert-Jan Sol**  
CTO  
TNO, Holland

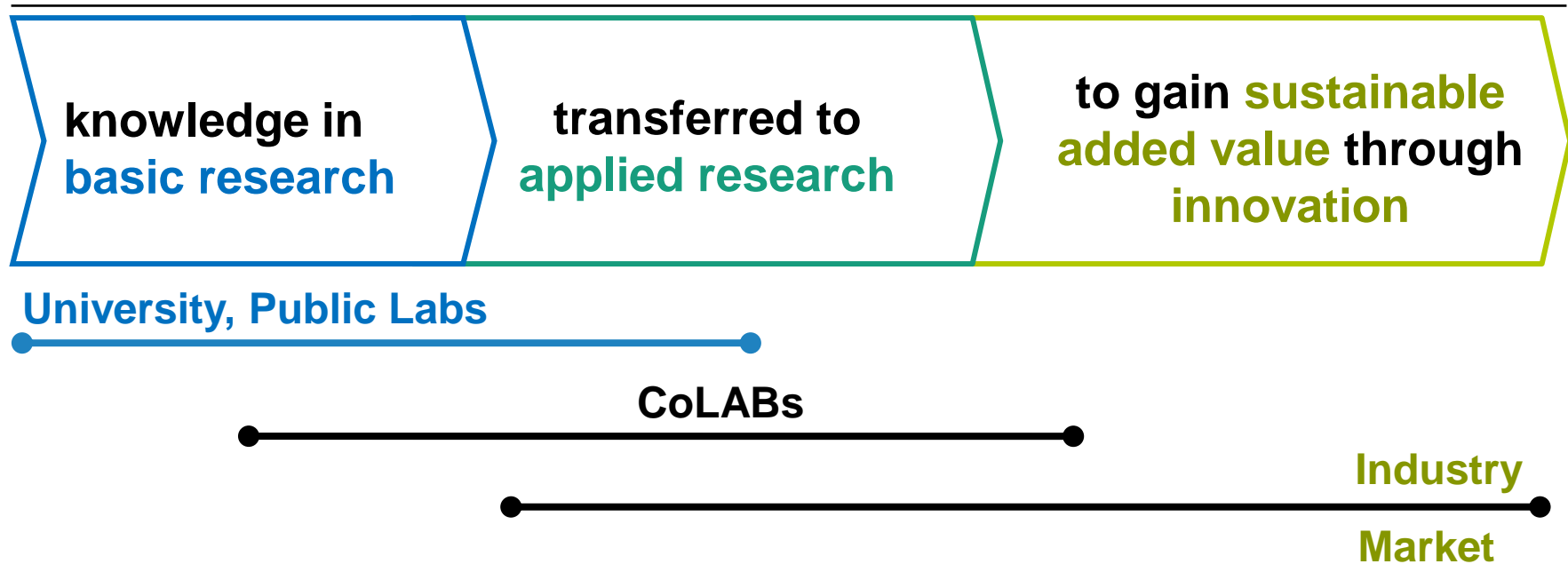
Prof. **Nicholas Veck**  
Head of CEO Office  
Satellite Applications Catapult, UK

Prof. **Wolfgang Wahlster**  
CEO of DFKI and  
Universität des Saarlandes, Saarbrücken, Germany

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- ▶ **Independent legal entities**
- ▶ **“Owned” by a strong consortium (“shareholders”) with financial commitment**
- ▶ **“Market-players” (not universities) seat on the “drivers’ seat” of a CoLAB**
- ▶ **Provide professional R&D services to industry**
- ▶ **Demand and market driven research combined with scientific excellence**
- ▶ **Cooperation with academia / not competition**
- ▶ **Autonomy of CoLABs combined with simple corporate rules and strong brand**

## CoLABs in a Nutshell (2)

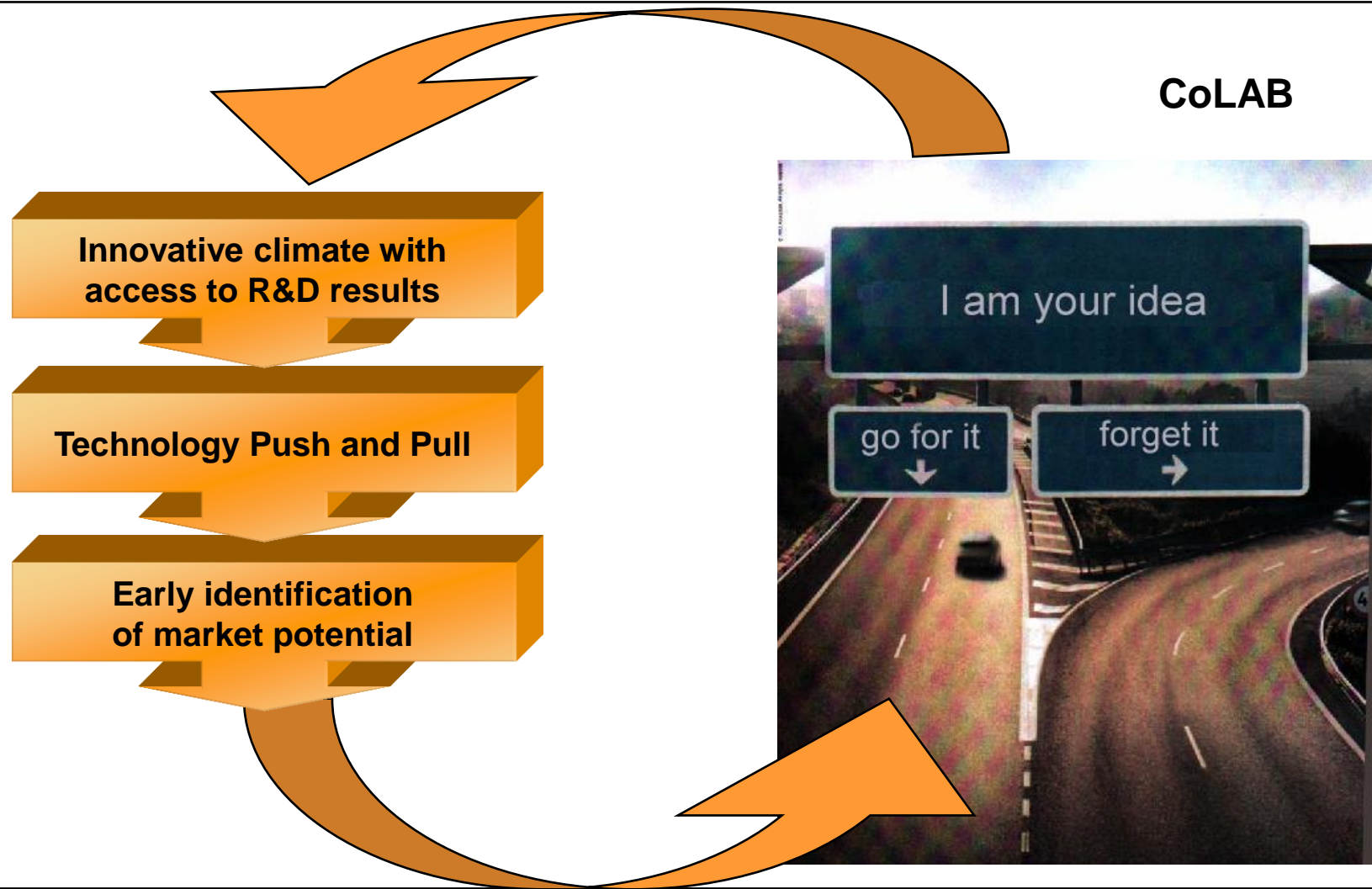


- cooperation with **academia**
  - **demand and market driven research** combined with scientific excellence
    - professional R&D services for **industry**

**autonomy of institutes + simple corporate rules and strong branding**



# CoLABs: From generating ideas to exploitation



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**Thank you  
for your  
kind attention**