

It's the R&D that matters.

**AUSTIN**  
POCK + PARTNERS

# Commercialization of R&D in Austria

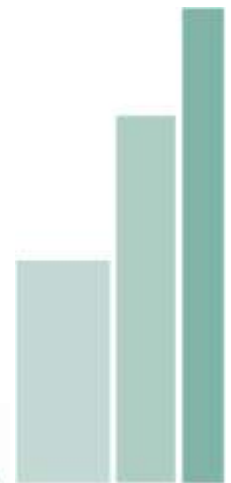
## The national innovation system

Skopje, May 12 2010

**SARA ALKAN**

Austin, Pock + Partners

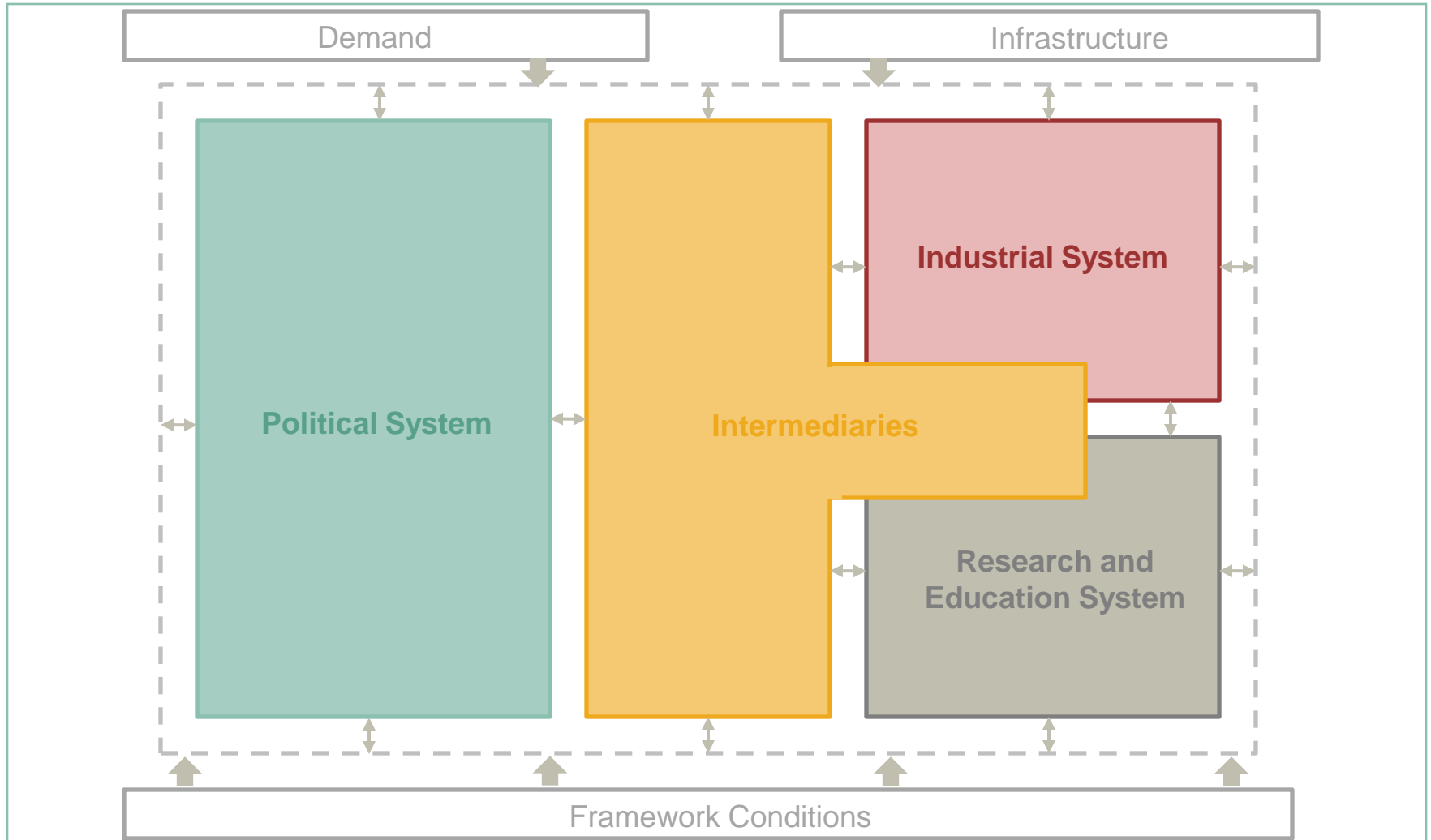
Consultancy for technology and science-based business.



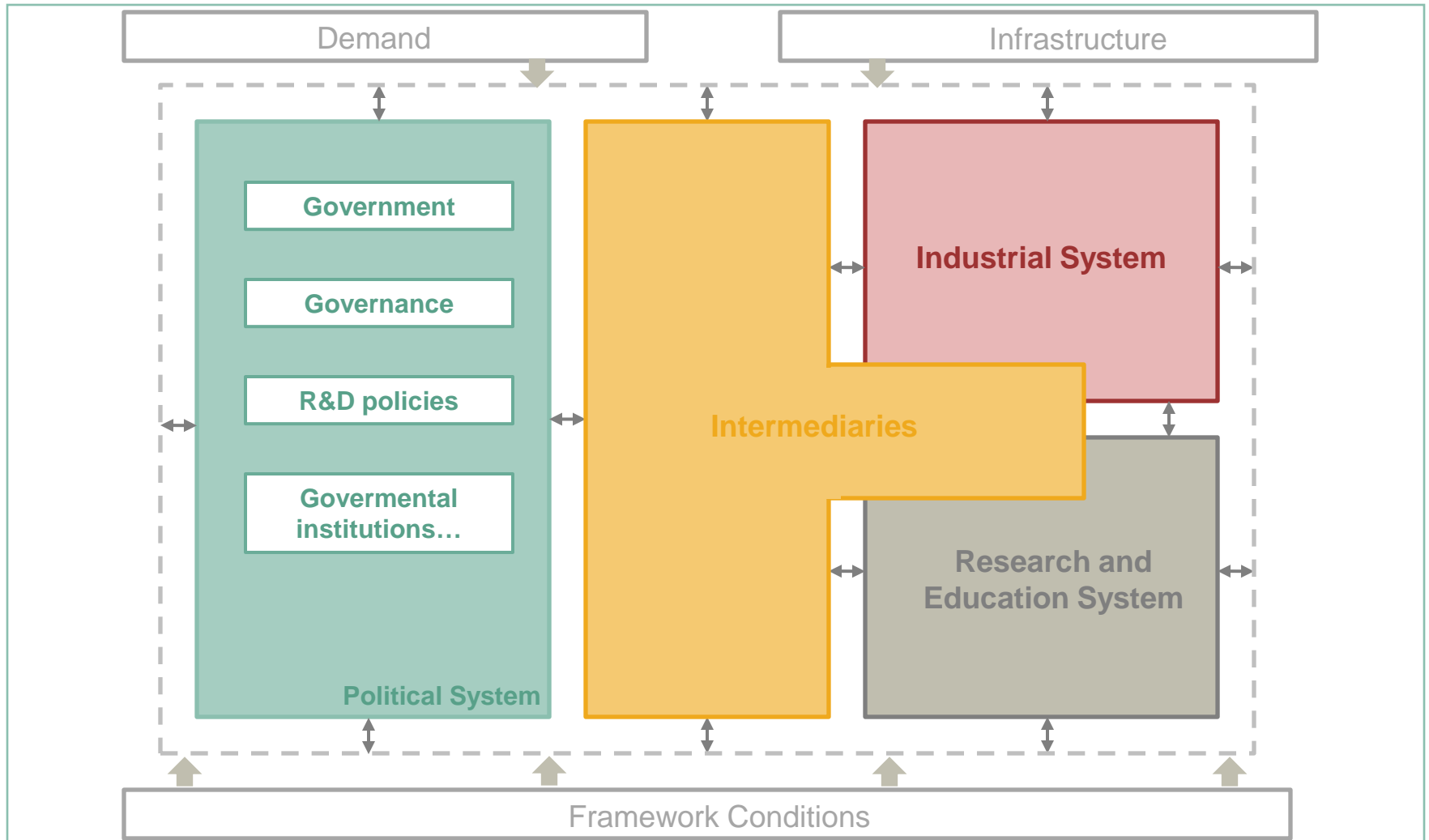
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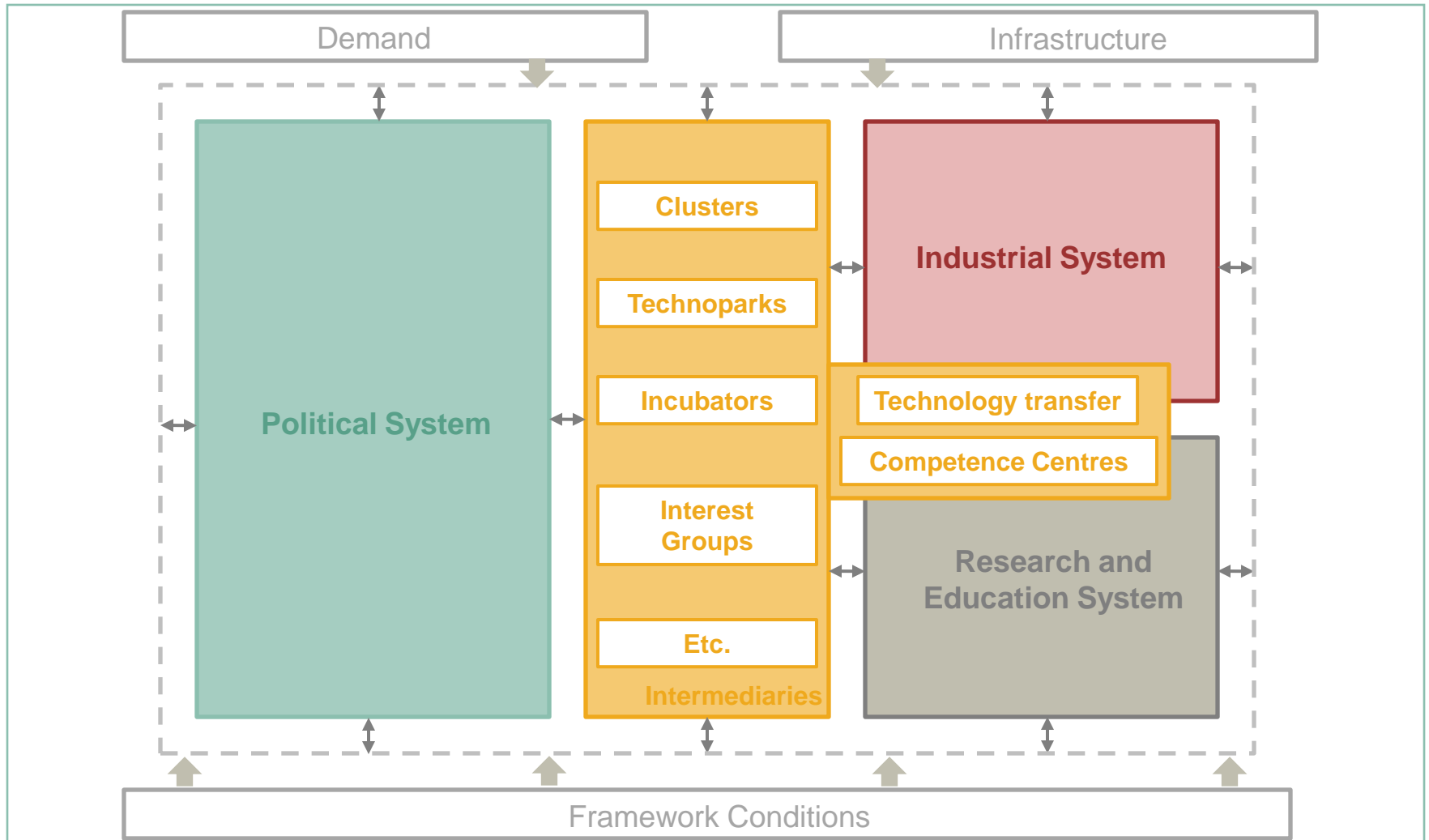
# Components of the National Innovation System



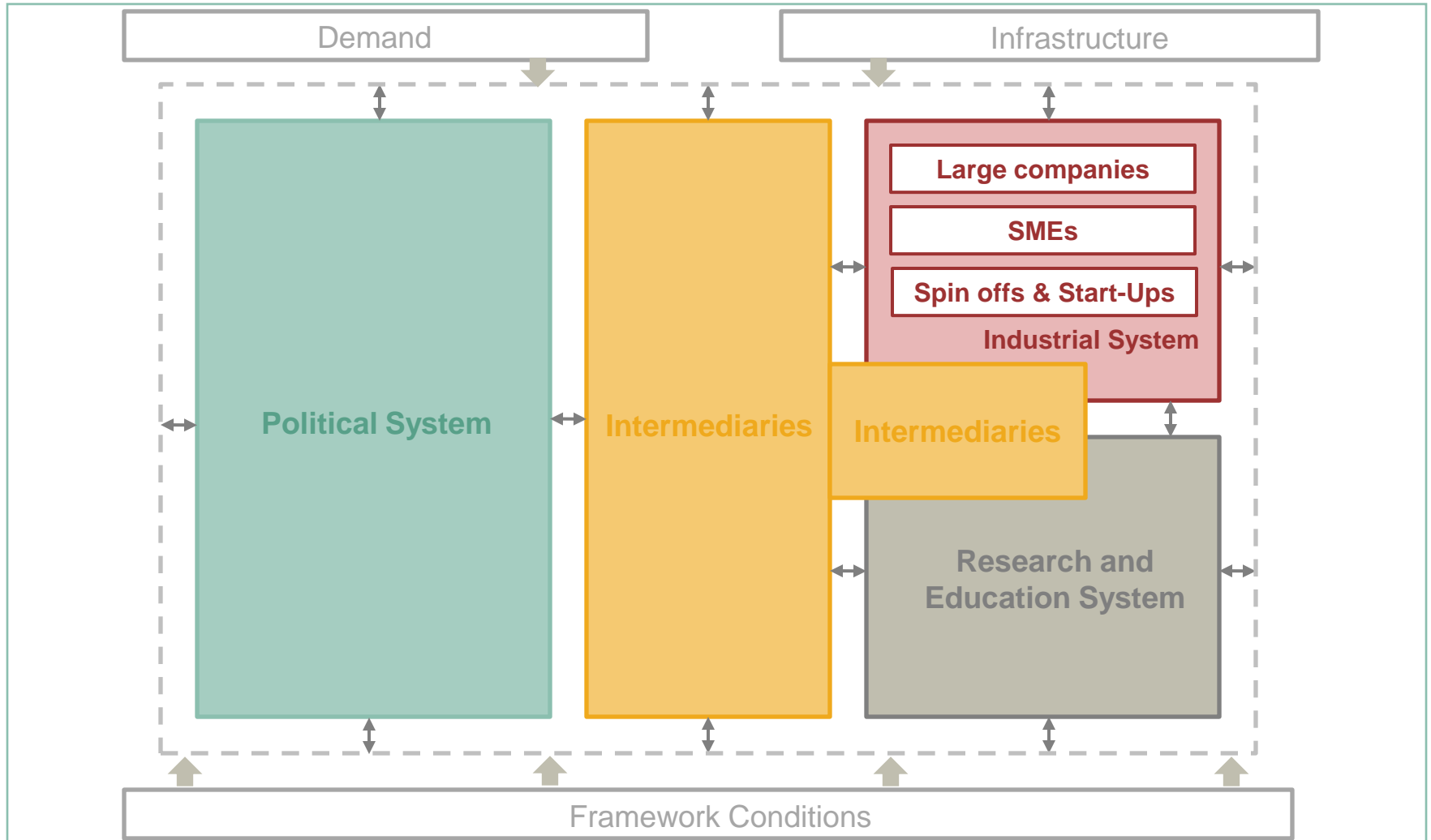
# Components of the National Innovation System



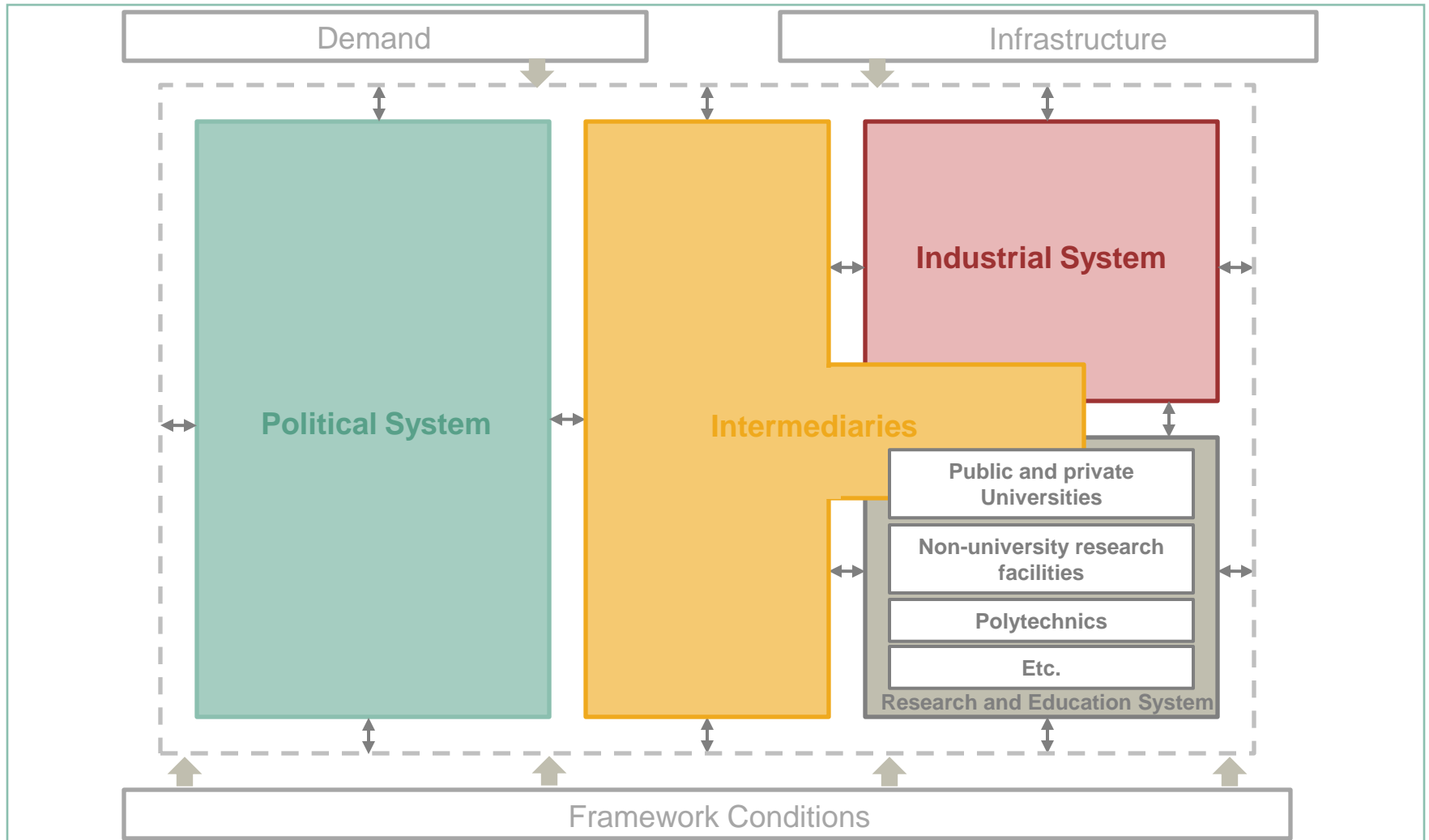
# Components of the National Innovation System



# Components of the National Innovation System



# Components of the National Innovation System



## Goals of the National Innovation System

▶▶ Overall goal:

Supporting of the

**Development, diffusion and utilization of  
new products, services and processes**

For the creation of welfare within a society

# Tasks of the National Innovation System

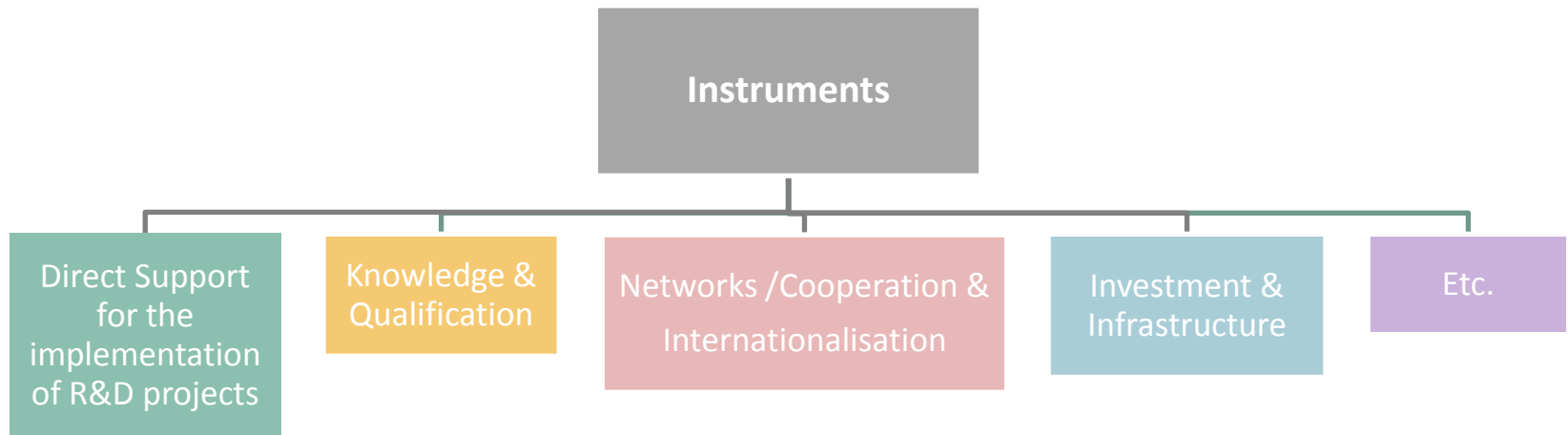
- ▶▶ Creation of linkages between academia, non-university research institutions and industry
- ▶▶ Introduction of a sound R&D infrastructure
  - Establishment of research/technology centers and research/business clusters
  - Research infrastructure in the sense of core facilities, etc.
- ▶▶ Human resources development
  - Innovation oriented education system
  - Programmes against brain drain
- ▶▶ Financing and funding of R&D activities on different levels (regional/national/international)

# Tasks of the National Innovation System

- ▶▶ Commercialization of R&D results
  - IPRs, licensing
  - from research results to products
- ▶▶ Founders and Start-ups
  - Programmes supporting founders
  - Promotion of venture business
- ▶▶ International networks and cooperation activities
- ▶▶ Venture Capital System
- ▶▶ Promotion of women entrepreneurship
- ▶▶ Etc.

# Instruments of the National Innovation System

## ► Instruments for strengthening the National Innovation System



# Instruments of the National Innovation System

## Implementation of R&D projects

- ▶▶ Financing Instruments to promote R&D within companies (grants, loans, risk capital for start-ups, guarantees, tax incentives)
- ▶▶ Financing Instruments to promote R&D within universities and research institutes (basic budget, third party funds)
- ▶▶ Financing Instruments to promote cooperation projects
- ▶▶ Specialized funding agencies for R&D and innovation (out of direct political influence, etc.)

# R&D Commercialization: Austrian Support Actions

## Examples of Austrian instruments in the field of Implementation of R&D projects

- ▶▶ FFG Basic programmes
- ▶▶ Geistes!Blitz
- ▶▶ Pre Seed
- ▶▶ Start!Klar
- ▶▶ Rat!Geber

## R&D Commercialization: Austrian Support Actions

### Examples of Austrian instruments in the field of Knowledge and Qualification:

- ▶▶ Innovationsprofi
- ▶▶ AMS Qualifizierungsberatung
- ▶▶ Wissens!Wert
- ▶▶ Erfolgs!Team
- ▶▶ FEMtech

## R&D Commercialization: Austrian Support Actions

### Examples of Austrian instruments in the field of Networks and Cooperation

- ▶▶ Bridge programme
- ▶▶ COIN Cooperation & Innovation
- ▶▶ COMET – Competence Centers for Excellent Technologies

### Examples of Austrian instruments in the field of Infrastructure and Investment

- ▶▶ Groß!Tat
- ▶▶ AWS Unternehmensdynamik
- ▶▶ ERP Technologieprogramm / SME-programme

# RESEARCH & DEVELOPMENT

## 13 Universities of Applied Sciences (23 Locations)

(23 Locations)



**Uni** Universities

**K** Competence Centers

**IZ** Impuls Centers

**FH** Universities of Applied Sciences

**FE** Non University Research Centers

**TP** Technology/Industry Parks

**A+B** A+B Centers

**COG** CD-Laboratories

**C** Clusters

# RESEARCH & DEVELOPMENT

**42 Christian Doppler Laboratories:** The CD labs are established at universities or non-university research institutions for a maximum of seven years. Headed by a talented - and in most cases young - scientist, a research team works in the area of application-oriented fundamental research with a view to find solutions for industrial problems



- Uni** Universities
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# RESEARCH & DEVELOPMENT

## 76 Non University Research Centers



**Uni** Universities

**FH** Universities of Applied Sciences

**A+B** A+B Centers

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# BUSINESS START-UP CENTRES

## 9 AplusB Centers: academic start-up centres



**Uni** Universities

**FH** Universities of Applied Sciences

**A+B** A+B Centers

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**FE** Non University Research Centers

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## Conclusion

- ▶▶ Better understanding that it is a broad spectrum of policy instruments which affect innovation performance
  - **Innovation specific policy:**  
funding for R&D, public research organisation, governance for public research
  - **Involvement of a number of different actors:**  
intersectoral co-operation, strengthening of industry-science linkages
  - **Framework conditions:**  
education, labour markets, financial markets, competition, openness to R&D
  - **A proper balance between the levels of operation:**  
orchestration of centralized and decentralized tools and mechanisms

Thank you for your attention!

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