

# Development of knowledge mapping and brokering in Croatian PROs and HEIs

Hrvoje Zorc, Ph. D.  
Ruđer Bošković Institute, Zagreb, Croatia



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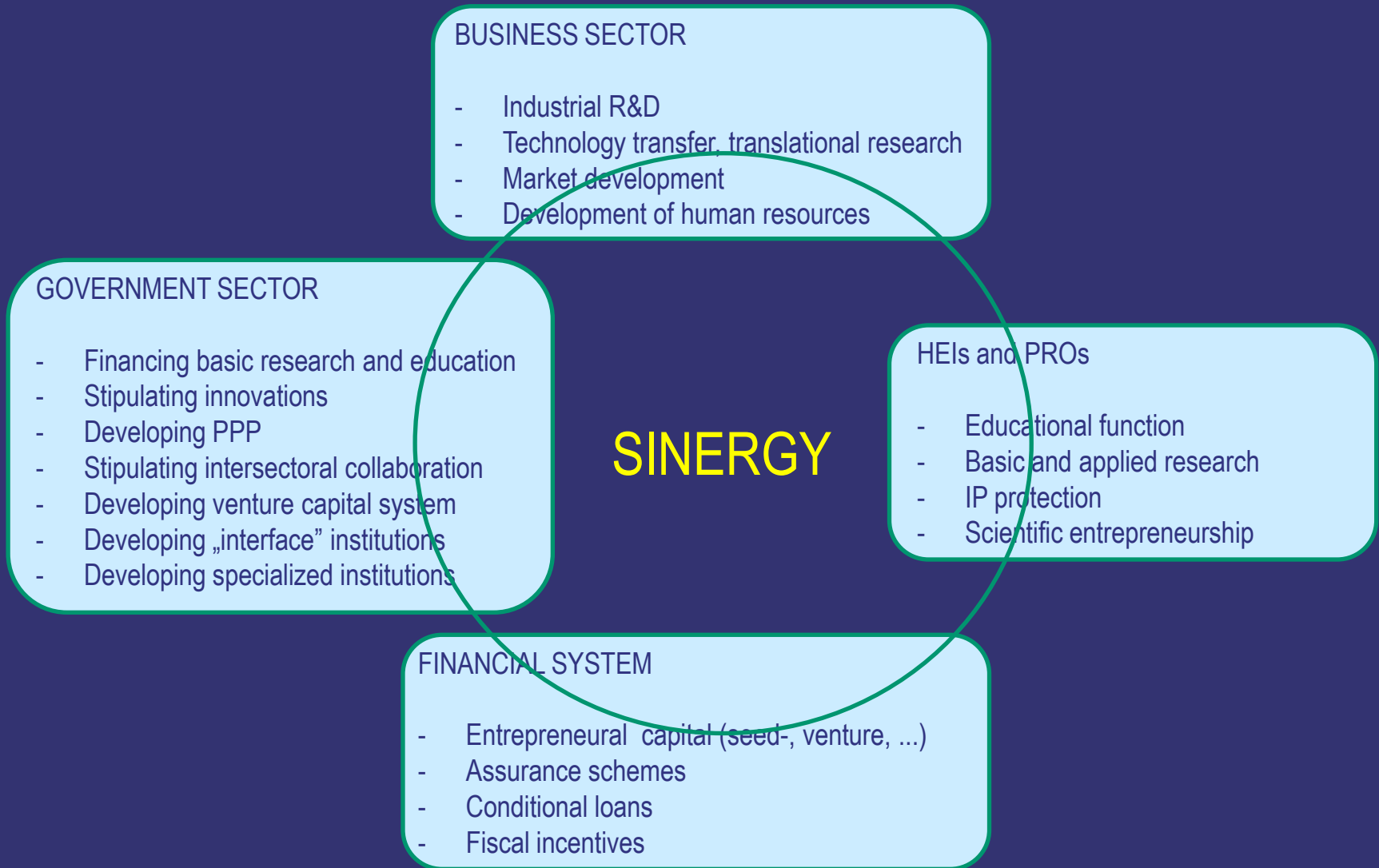
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# 1. Croatian innovation system

According the OECD methodology (1992) it consists of

- HEIs and PROs (7 universities, 24 public institutes)
- R&D resources in industry
- Other educational institutions
- Government institutions for innovation support  
(Croatian Science Foundation, BICRO, HIT, Croatian Accreditation Agency, Croatian Metrology Institute, State Intellectual Property Office, State Office for Metrology)

## 2. Preferable schematic of the innovation system



### 3. Matching the results of research with industrial needs

In Croatia:

- Matching the scientific results with industrial needs
  - Still a big gap between the basic research and the industrial needs due the oldfashioned scientific system
  - Absence of „interface” institutions
  - Absence of public tools for more efficient linkage between science and industry
- The public and private brokering system is underdeveloped
- The National innovation strategy under development
- Investment into S&T is far bellow the Lisbon targets

## Actions of the Government:

- Setup of the Science and Innovation Investment Fund (SIIF)
  - Goal: To contribute to the increase of Croatian economy competitiveness, by developing a more efficient knowledge transfer system from R&D sector to the business sector.
  - SIIF is implemented by the Ministry of Science, Education and Sports of Croatia within the two EU-funded projects – **SIIF grant scheme** and **Technical Assistance to SIIF**
  - In the **SIIF grant scheme** two projects are being implemented:
    - "Technology mapping in University of Zagreb."
    - "Development of innovation system at Ruđer Bošković Institute and University of Rijeka"
- Strengthening of actions via Croatian Science Foundation
  - Projects for further support of basic research
- Foundation of Croatian Metrology Institute
- Foundation of TT offices at PROs and HEIs - 5 since 2006

## 4. Setup of the national knowledge database

- The result of the projects "Technology mapping in University of Zagreb" and "Development of innovation system at Ruđer Bošković Institute and University of Rijeka" will be the knowledge database,
- In the next phase it will encompass other PROs and HEIs, thus growing up to the National knowledge database,
- The database will be open to public via the web portal,
- It is expected that it will accelerate collaboration between science and industry and between the scientists themselves,
- The National scientific portal will stay a public brokering system.

We expect that the tuning of the existing scientific expertise and the industrial expectations will open the space for private scientific brokers!  
To be further developed!

## 5. Conclusions

- The current scientific system in Croatia is being transformed from the oldfashioned socialistic system into a modern innovation system,
- The national knowledge database is being established as a public brokering system,
- Interaction between scientific and industrial sector is improving via the established TT offices
- Government incentives for innovation activities are not yet fully efficient,
- There is a lot of space for improvement to reach Lisbon targets,
- Regional collaboration in development of systems will be to benefit of all.



Thank you for your attention!