



Innovation stimulators

Connecting Centers of Excellence in Research and Innovation

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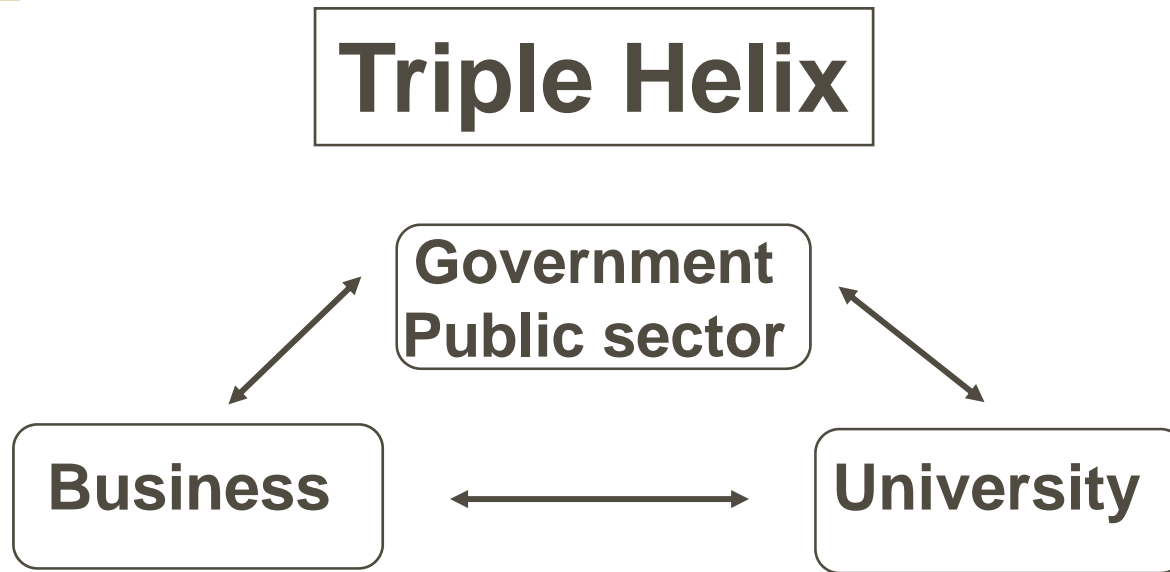


Globalization in the knowledge based economy for the Triple Helix Groups of Actors

Business – *includes now also SMEs*

Academia – *Center of Excellence in Research & Innovation is needed*

Politics and policy - *meets global competitiveness*



Depending Actor Groups

Knowledge based economy

**From PPP, Public Private Partnership,
To Public Private Univ. Partnership,
i.e. Triple Helix**



Research and Innovation

Research: Transformation of money to
Knowledge & Competence

Innovation: Knowledge & Competence
transformation to Money

Developing innovation system is to make above efficient, i.e. to make investment in R&D profitable.



Mission for VINNOVA

**Promote sustainable growth
by financing needs-driven R&D and
developing innovation systems**



VINNOVA budget 200 M€ per year

6 % of Gov. R&D investments

Doubled by matching from actors

ca 40% to university

ca 20% to research institute

ca 30% to companies

ca 10% to others

Triple Helix composed decision-making boards

**Transformation from push to more market pull
in the research system is now the trend.**



Policy Learning

Most things happens elsewhere, learn from others but translate to our own context

Sweden has adapted:

- Incubator program from Israel**
- SBIR, Small Business Innovation Research, from US**



Policy Development

Promote Global Links for Centers of Excellence in Research and Innovation

Promote Programs for International Cooperation for research and innovation in different sectors, including universities, business and public sector

Sweden and Michigan state support R&D-cooperation in transport and automotive sector

VINNOVA has started a Global Links Program for Centers of Excellence in Research & Innovation



Policy Development

Universities in Innovation Systems, Key Actors pr.

Adaptive additive R&D-financing for better output

Public Innovation Procurement, including R&D

Dual use, defense – public, R&D-programs

No Wrong door – any governmental agency OK



Globalization for three competing continents

Asia – focus on products

America – focus on business

Europe – focus on planning and support agriculture



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