

Czech-Israel BioCluster Collaboration

Challenges and Opportunities



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The European Innovation Policy

Never was innovation more needed than in times of economic crisis and dramatic change

Europe will address its challenges by innovating more

The Objectives Of The European Innovation Policy:

To facilitate development and usage of Europe's innovation potential via creation of an environment in which enterprises can start and grow



Research Driven Clusters

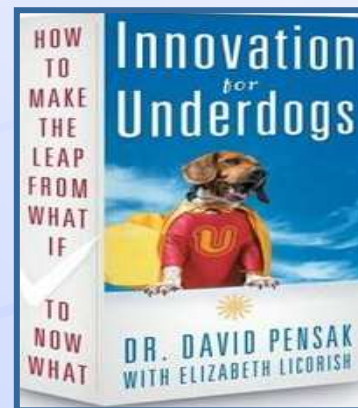
Research Driven Clusters (RDC) provide an ideal environment in which new enterprises can start and grow

Top RDCs that promote technological and scientific excellence are labeled: ‘Dynamic Innovation Clusters’

The Israeli Bioregion - A Dynamic Innovation Cluster



A Small Associate Member w/o Natural Resources Miles Away From The Real Market



Innovation is taking existing technologies and processes and applying them to make a truly meaningful measurable and identifiable change in the way something is done * Dr David Pensak



The Israeli BioRegion

Israel is hotbed for life-science innovation: **7 Million people, 7 Universities, 4 leading clusters, 23 incubators**

- **First in Medical devices patents per capita world-wide**
- **Fourth in Biotech patents per capita after US CH and DK**

Since 2000, over 400 Israeli life-science startups were founded. 90% of them started out in incubators !

What makes our *Bioregion* so successful ?



Israel's Dynamic Innovation Clusters

People, science, entrepreneurship and opportunity,
collaboration across borders, **willingness to take risks** and
“hands-off” Govt. support

Israeli startups **“think like a business”** and address market
needs, competing **GLOBALLY** with other startups for the
attention of the biggest companies in their sector

Israeli Innovation clusters serve as **the Missing Link** in the
Innovation Value-Chain, constituting a dynamic interphase
between the Academia and Industry



Refocusing Clusters To Foster Innovation



Currently Prevalent

Fostering Innovation



BioNegev is Israel's leading innovation cluster

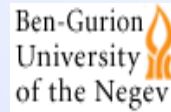
Mission:

To Create economic value to the Negev region via technology transfer and commercialization of R&D, support of its SME's, defragmenting of the research centers and academic units - integrating them into one leading source of innovation and entrepreneurship

Founded March 2009



Ben-Gurion University



Negev regional development authority



Soroka University Medical Center



the National Institute of Biotechnology of the Negev



3 Technology Incubators with 23 SMEs



BGNegev Technologies - Ben Gurion University TTO



BioNegev is a full member of CEBR, the Council of European Bioregions www.cebr.net



BioNegev: Thematics

The BioNegev Innovation Cluster is renown worldwide in the following domains:

- **Infectious diseases and vaccines**
- **Beduin Population genomics and genetic diseases**
- **Regenerative medicine and bio-compatible materials**
- **Nano-medicine**
- **Commercialization of algae biotechnology**
- **Arid region and desert management**
- **Waste-water remediation**



Prospects for Czech-Israeli alliances

In a Knowledge-Based Innovation Economy the Science and Technology provide the opportunity but the commercial interests always lead

Czech-Israeli collaboration will create added value at the cluster, entrepreneurial & SME level, exploiting renown Czech academic excellence and Israeli technology-commercialization skills to create commercially viable SMEs and economic sustainability



Conduits for collaboration

At the Cluster level

**EC-DGE and CIP
Cluster Calls**

**Sharing best practices
in entrepreneurship
and in the creation of
Dynamic Innovation
Clusters and SMEs**

At the SME level

**Czech-Israeli
Industrial R&D
Collaboration**



Thank you

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