

MATIMOP ISRAELI INDUSTRY CENTER FOR R&D



Michel Hivert, Managing Director



Why International R&D Cooperation?

- Gateway to global markets
- Access to innovation, knowledge and infrastructure
- Generate Growth through Technological Cooperation
- Share the Risk and costs of R&D
- Shorten development time needed & time-to-market

International R&D accelerates Trade



What is MATIMOP?

- Non profit National Agency
- Implements bi-national & multi national R&D support programs
- Operates international cooperation platforms on behalf of the *Office of the Chief Scientist* of the Ministry of Industry, Trade and Labor

International branch of the Chief Scientist



What MATIMOP has to offer to Israeli industry?

- Gateway to the International high-tech industries
- Extends cooperation platforms
- Provides partner search services to Israeli and foreign industries for industrial R&D projects
- Provides access to national funding schemes

In 2009 over 200 applications processed for international cooperation - mobilizing over 200 million \$



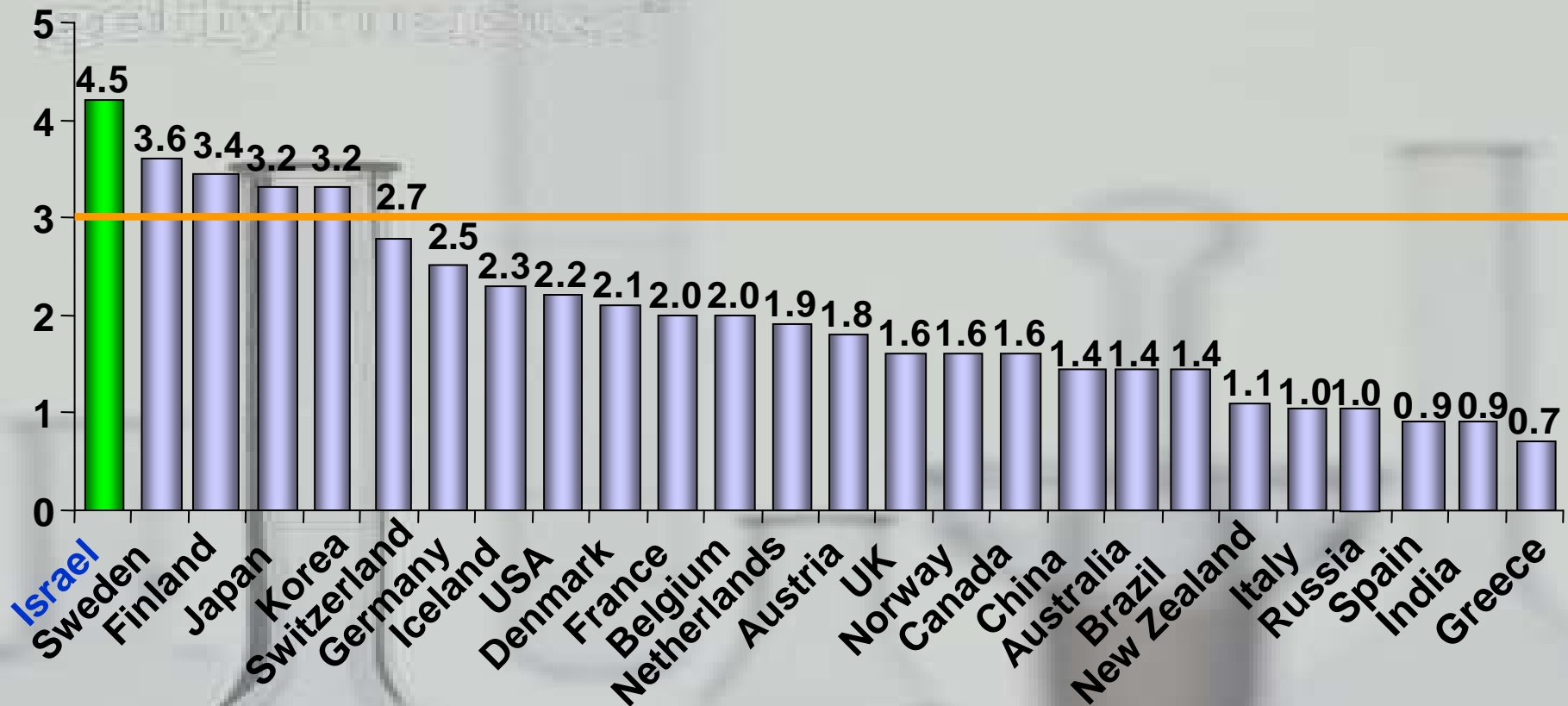
MATIMOP kit to local Industry

- Assistance in submission of international project application forms
- Provision of tools for international partner searches
- Coordination of Israeli participation at major international events including financial assistance to companies
- Organization of delegations & partnering events

Data base of 5000 companies' R&D capabilities
www.matimop.org.il



Expenditure on Civilian R&D as a percent of the GDP in Israel and in OECD Countries 2008



Source: OECD and Israel CBS



Patents (2008)



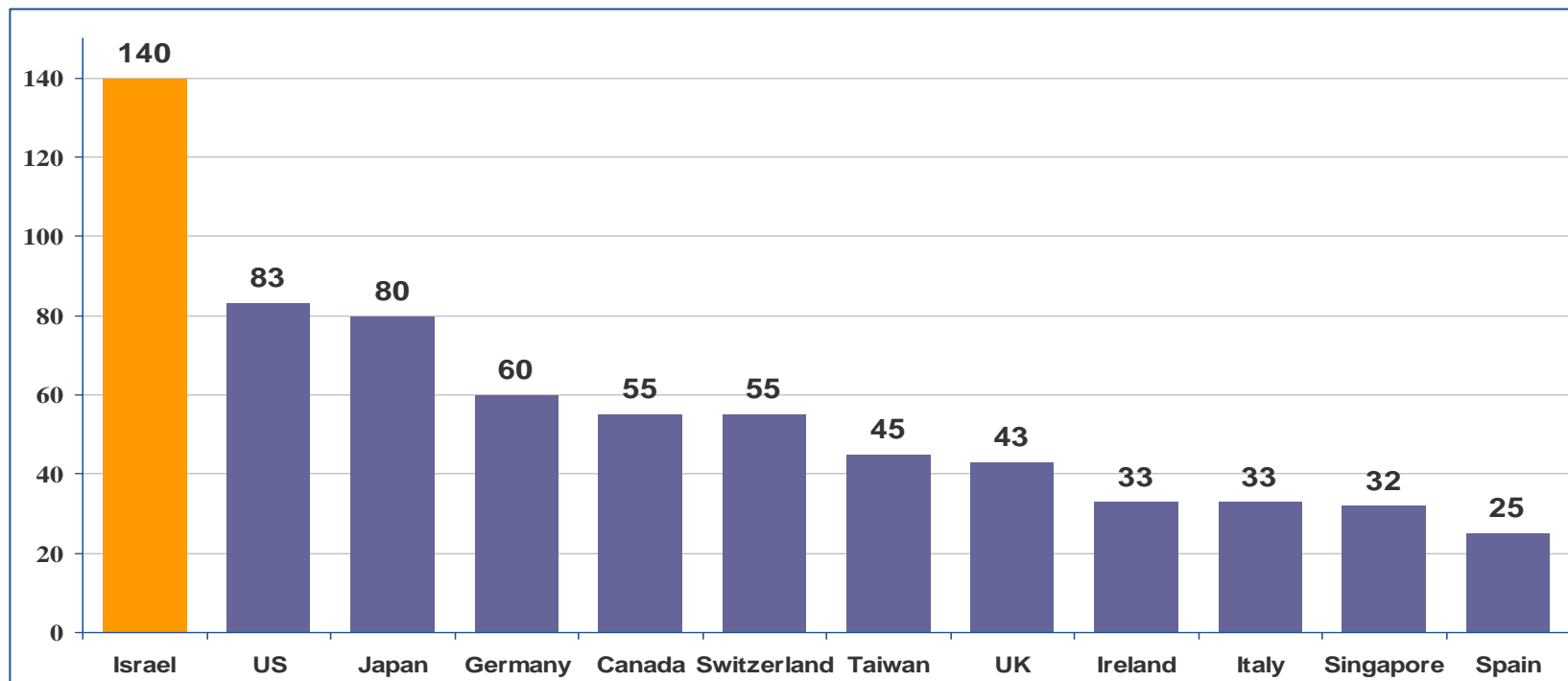
- Israel ranked #1 in Medical Device patents per capita
- Israel ranked #5 in number of patents per capita

Source: The United States Patent and Trademark Office
(June 2008)





Scientists & Technicians per 10,000 Workers





Global Competitiveness Index Ranking

Country/Economy	GCI 2006 Rank	GCI 2006 Score	GCI 2005 Rank
Switzerland	1	5.81	4
Finland	2	5.76	2
Sweden	3	5.74	7
Denmark	4	5.70	3
Singapore	5	5.63	5
United States	6	5.61	1
Japan	7	5.60	10
Germany	8	5.58	6
Netherlands	9	5.56	11
United Kingdom	10	5.54	9
Hong Kong SAR	11	5.46	14
Norway	12	5.42	17
Taiwan, China	13	5.41	8
Iceland	14	5.40	16
Israel	15	5.38	23
Austria	17	5.32	15
France	18	5.31	12
Australia	19	5.29	18
Belgium	20	5.27	20
Ireland	21	5.21	21
Luxemburg	22	5.16	24
New Zealand	23	5.15	22
Korea, Rep.	24	5.13	19
Estonia	25	5.12	26



Israeli Breakthroughs – Selected Examples



- **Given Imaging – First ingestible video camera used to view the small intestine and diagnose disorders**



- **Intel's Core 2 Duo, Centrino and Pentium 4 microprocessors**



- **M System's Disk on Key and Disk on Chip flash memory**



- **GE Healthcare's portable cardiac ultrasound system**



- **The Phillips Brilliance CT Scanner**



- **IP Telephony invented by founders of Vocal Tec**



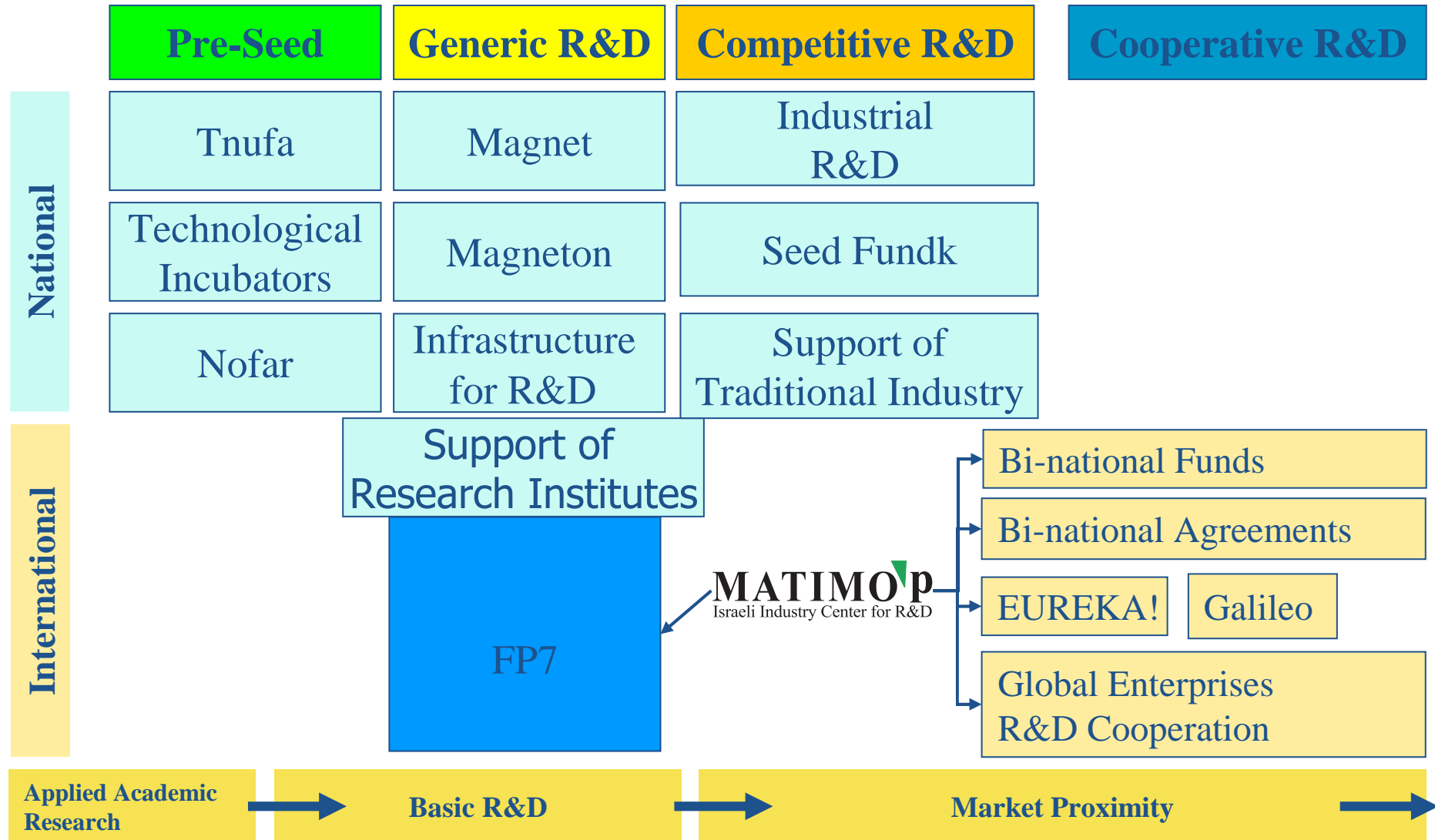
- **AOL Instant Messenger ICQ**



- **Zip compression technology**

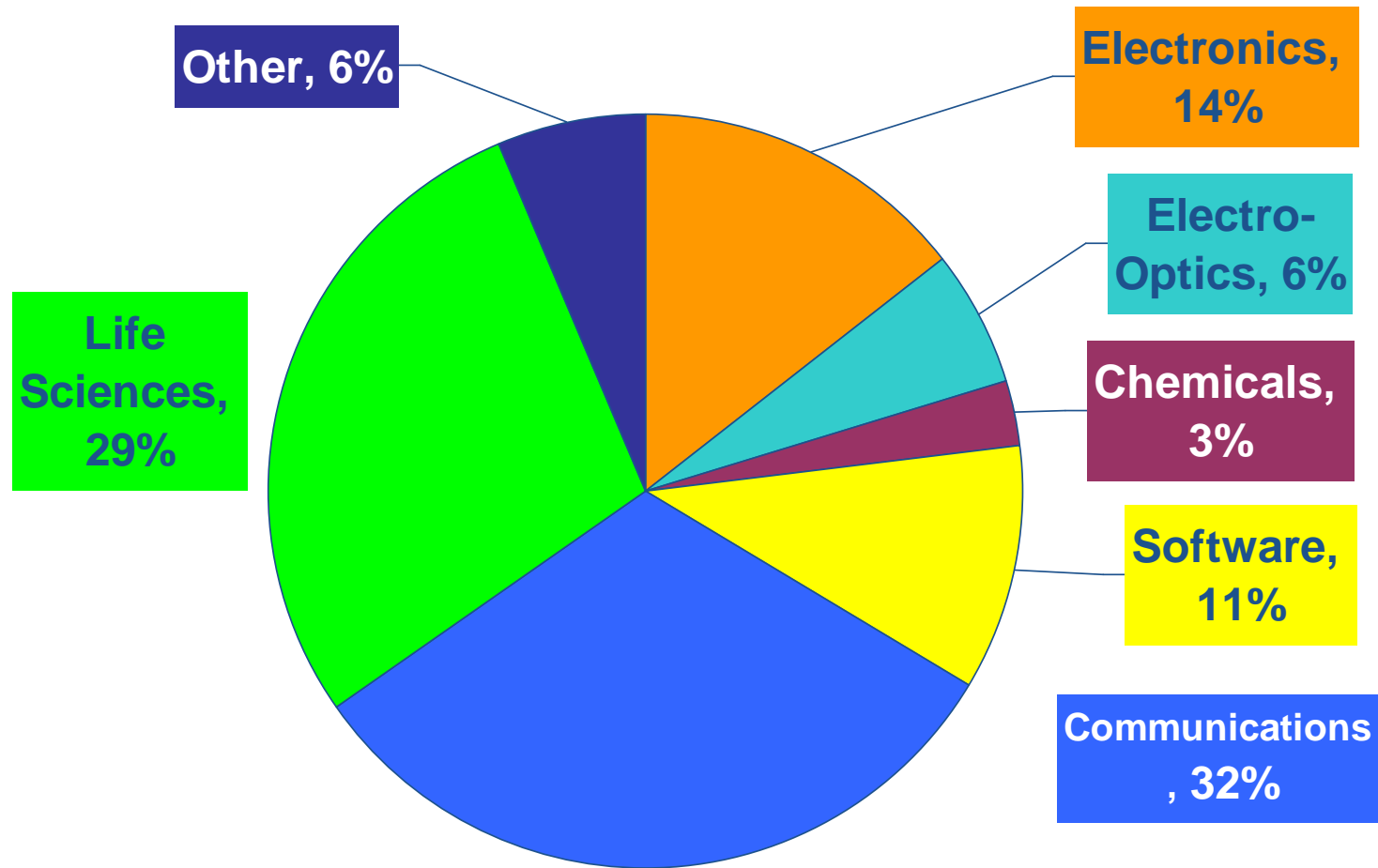


OCS Instruments Along The Value Chain





OCS Grants by Technological Sectors 2009





Israel Government Support

- Average project budget: 1 NIS million per year (~250K \$)
- up to 50% of the approved budget
- Support duration: 2-3 years

Funding Rules:

- Grants - scale from 30% - 50% of the approved budget + regional incentives
- Conditional Grant: Royalty payments 3% - 5% of the future product sales





International Cooperation

Total Figures for 2006-2009:

\$300M in 700 R&D Projects



source: OCS Data



International Cooperation

Foundations:



BIRDF-with U.S.A.



USISTC/F

SIIRD-with Singapore



CIIRDF - with Canada



KORIL-RDF - With S. Korea



BRITECH—with the UK



International Cooperation Bi-Lateral Agreements

- | | | |
|--|--|--|
|  Czech republic |  Argentina |  Maryland |
|  Germany |  Uruguay |  Virginia |
|  Denmark |  Brazil |  Ontario |
|  Holland |  Italy | |
|  Hungary |  India | |
|  Turkey |  Taiwan | |
|  Spain |  China | |
|  Portugal | | |
|  Finland | | |
|  France |  Victoria | |
|  Sweden | | |



Possibilities of R&D cooperation Israel – Czech Republic

- Bi-national Agreement (next call Q1/2010)
- Eureka (open call)
- EUROSTARS (next calls Q2/2010 and Q4/2010)
- FP7 (different calls)
- Enterprise European Network



The mechanism of a joint program Israel-Czech Republic

Program Features:

- Focused – addressing concrete needs
- “User-Friendly” (especially for SME’s)
- Effective and synergetic use of existing national funding schemes and support (30%-70%)

Coordination tools and activities:

- Launching a call for proposal (Q1/2010)
- Proactive “matchmaking” Workshops and seminars
- Submission of Joint Industrial R&D project proposal
- National evaluation both in Israel and Czech Republic
- Joint committee” → joint decision board

Target : 6-10 approved projects



Contacts

- The bilateral program is being implemented by respectively:

In Israel:

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In Czech Republic:

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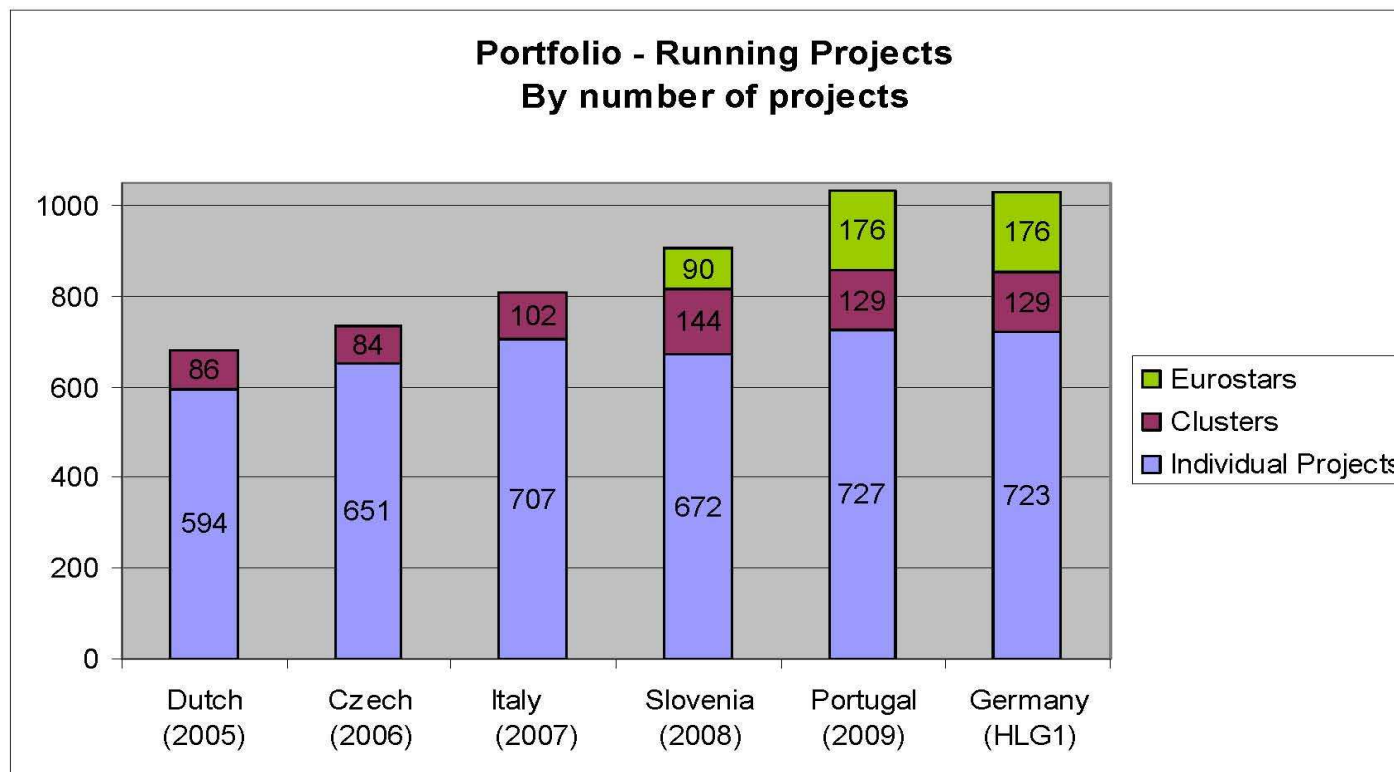
Multilateral Cooperation – Eureka Program

- Industry driven
- SME Friendly
- Public-Private Funding Schemes
- Number of running projects - over 1000
budget for these projects 1.3 billion €



Portfolio - More than 1000 EUREKA projects

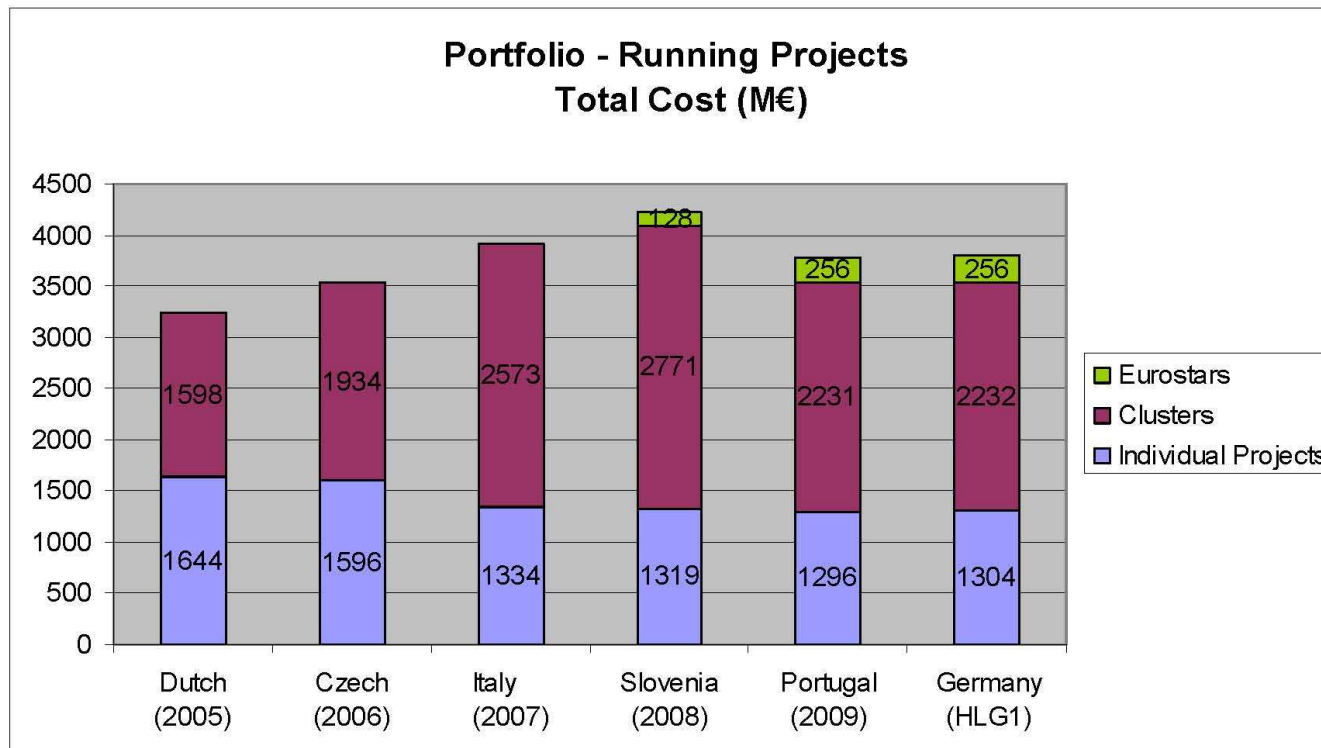
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Portfolio - Almost 4 Billions €

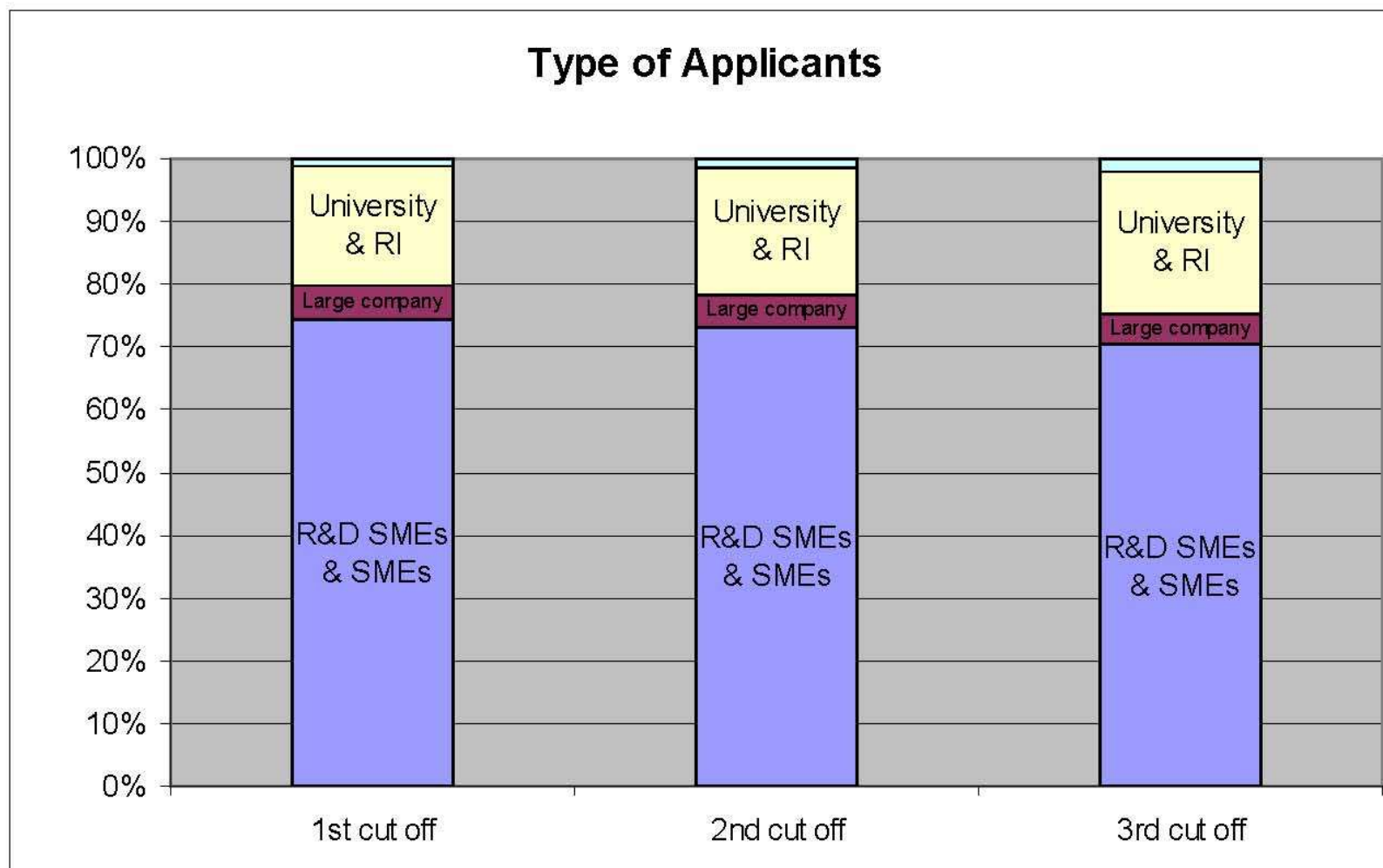
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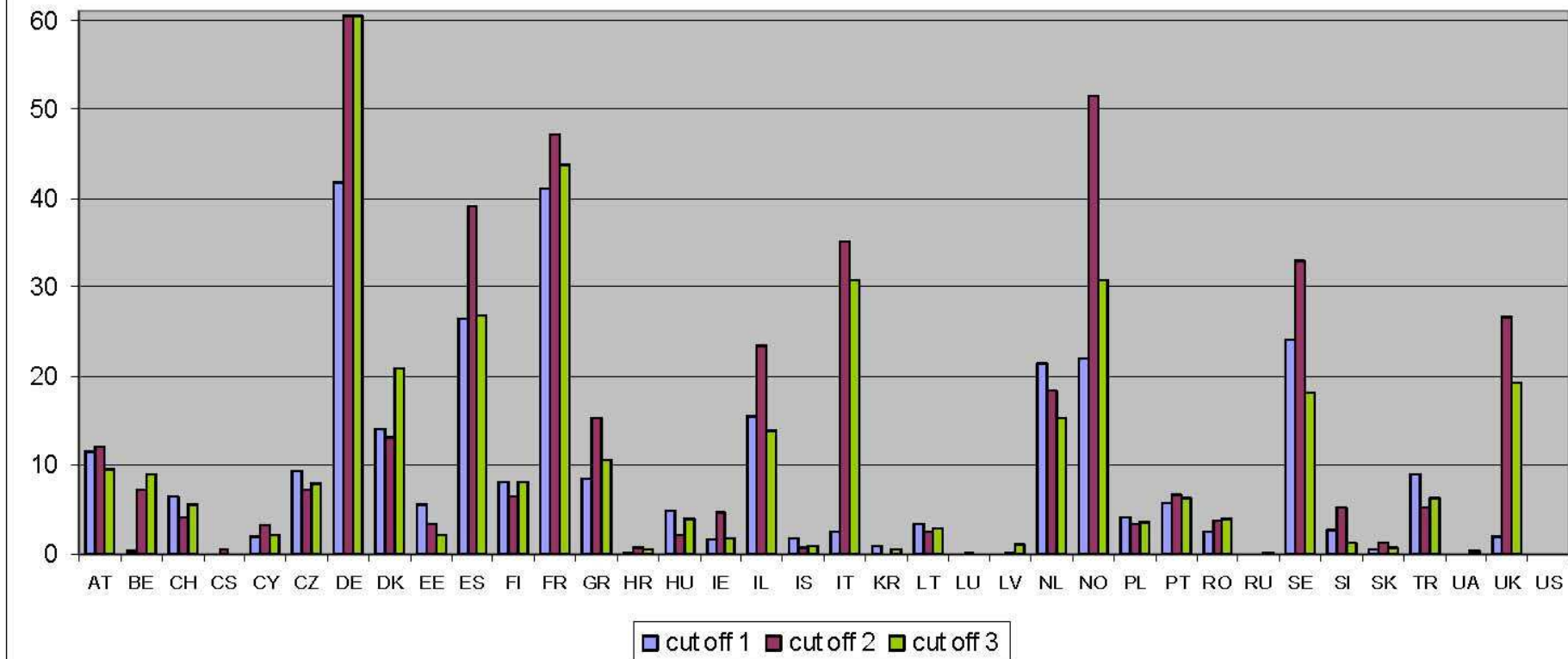
Multilateral Cooperation Eurostars Program

- A joint EUREKA & Commission program supporting R&D-performing SMEs
- Combining national R&D programs from 32 participating countries



The Eurostars Programme is powered by EUREKA and the European Community

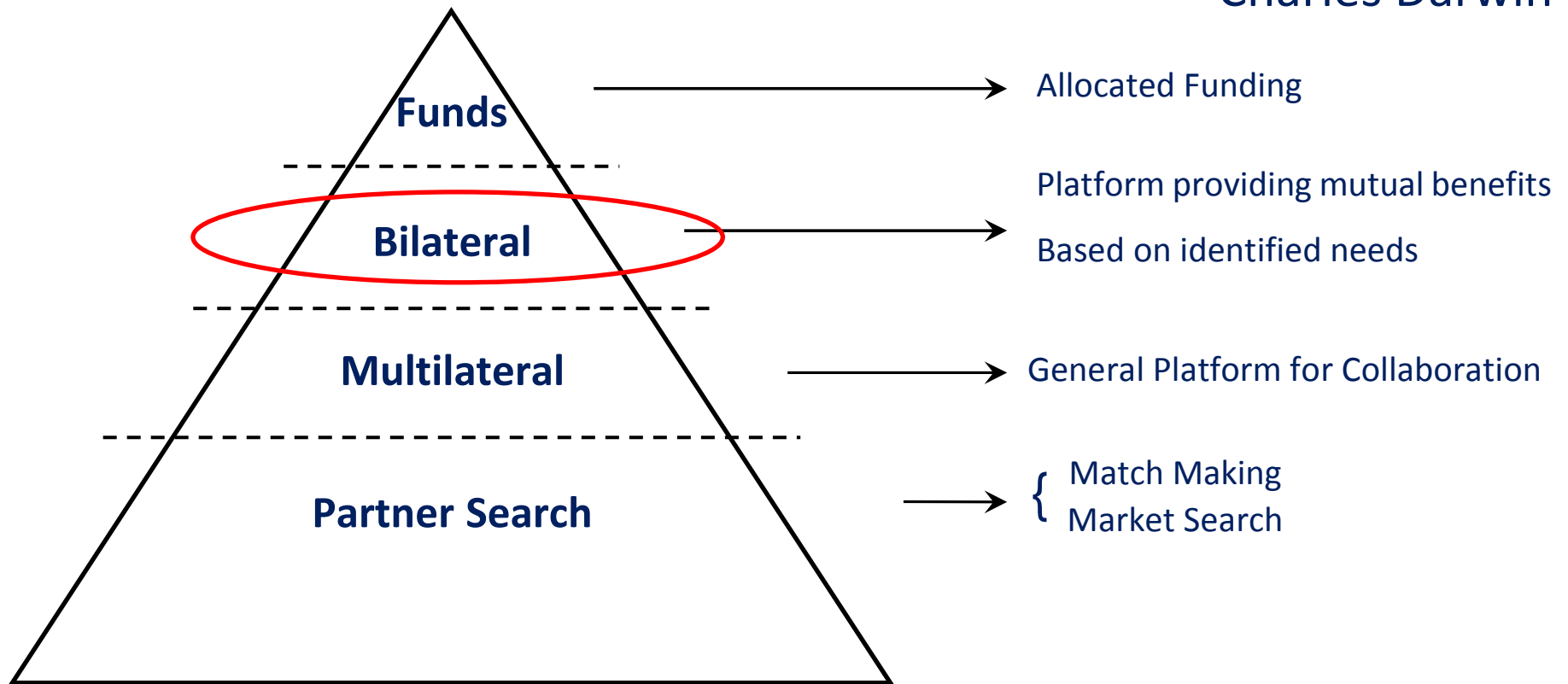
Total Cost by Members (in M€)





“In the long history of human kind those who learned to collaborate and improvised most effectively have prevailed”

Charles Darwin



Thank You



MATIMOP – Israeli Industry Center for R&D

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