

**EUROMED INVEST** *Invest in Israel* where breakthroughs happen  

**Beyond the buzz**  
The future, Israel and you


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**Invest In Israel**  
The Israel Investment Promotion Center


  
Project funded by the  
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**EUROMED INVEST** **Israel in brief**

**Young** 66 years old  
**Small** 8 Million people  
**Growing** GDP 291.5 B USD (CAGR=12.5%, 2010-13)  
GDP PPP 36.2K USD (CAGR=7%, 2010-13)  
**Beautiful** Beaches, Desert, Cities, People  
**Restless** 1% of world news


Scarce in natural resources, except for one...


  
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## Israeli Human Capital

- Highest ratio of engineers per capita
- 10 Nobel prize winners – 6 in the last decade  
(2 in economics and 4 in chemistry)
- Skilled labour– #1 (IMD 2011)
- Entrepreneurship of managers – #2 (IMD)
- Flexibility of people – #2 (IMD)





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## The country's vital resources

### A curious culture

- 7 world class universities
- #1 for quality of scientific institutions
- #3 for scientific infrastructure
- #4 for technological infrastructure
- Fast adoption of innovation

### An entrepreneurial DNA


- #1 for country and business expenditure on R&D (as % of GDP)
- Problem solving orientation – 2000 years of adapting to constant change
- Immigrants society – 80 countries of origin
- High tolerance for failure

**#1 world innovative capacity**  
IMD Global competitive year book 2013

**#1 in startup ventures density**  
(outside USA ; 2<sup>nd</sup> to Silicon valley)

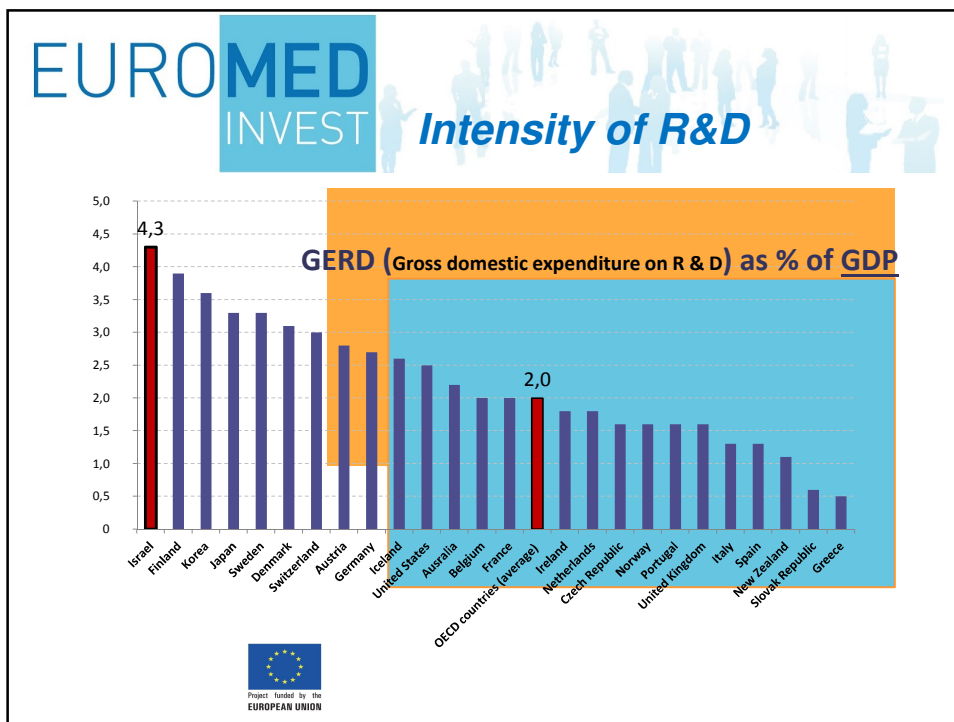
**#3 Country Innovation**  
WEF Global competitive yearbook 2013-2014

Tel-Aviv, Israel's business center, is ranked the second best innovation eco system



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Source: WEF year book 2013-2014, IMD 2013




## EUROMED INVEST Israel's Competitive Edge – IMD World Report 2012

Country Rank →	1st	2nd	3rd	4th
BUSINESS EXPENDITURE ON R&D (% GDP)	Israel	Korea	Finland	Japan
TOTAL EXPENDITURE ON R&D (% GDP)	Israel	Finland	Korea	Switzerland
INNOVATIVE CAPACITY	Switzerland	Israel	Germany	USA
ENTREPRENEURSHIP OF MANAGERS	Taiwan	Israel	Hong Kong	Lithuania
SCIENTIFIC RESEARCH	Switzerland	Israel	USA	Sweden
KNOWLEDGE TRANSFER BETWEEN INDUSTRY & ACADEMIA	Switzerland	Israel	USA	Singapore


**Source: IMD World Competitiveness Yearbook - 2012**

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**“The country’s main strengths remain its world-class capacity for innovation (3rd), which rests on highly innovative businesses that benefit from the presence of the world’s best research institutions geared toward the needs of the business sector. Israel’s excellent innovation capacity, which is supported by the government’s public procurement policies, is reflected in the country’s high number of patents (4th). Its favorable financial environment, particularly evident in the ease of access to venture capital (3rd), has contributed to making Israel an innovation powerhouse.”**

Source: World Economic Forum



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### The Global Competitiveness Report 2012-2013 (World Economic Forum)

**Capacity of Innovation**

**12th pillar: Innovation**


12.01 Capacity for Innovation.....	5.4	.....6
12.02 Quality of scientific research Institutions .....	6.3	.....1
12.03 Company spending on R&D.....	5.4	.....6
12.04 Unlversity-Industry collaboration in R&D .....	5.4	.....8
12.05 Gov't procurement of advanced tech products.....	4.6	.....6
12.06 Availability of scientists and engineers .....	5.2	.....9
12.07 PCT patents, applications/million pop.*.....	235.5	.....4

**Venture Capital**


8.05 Venture capital availability .....	4.5	.....3
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**Investor Protection**

1.22 Strength of investor protection, 0-10 (best)* .....	8.3	.....5
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### Economic Figures



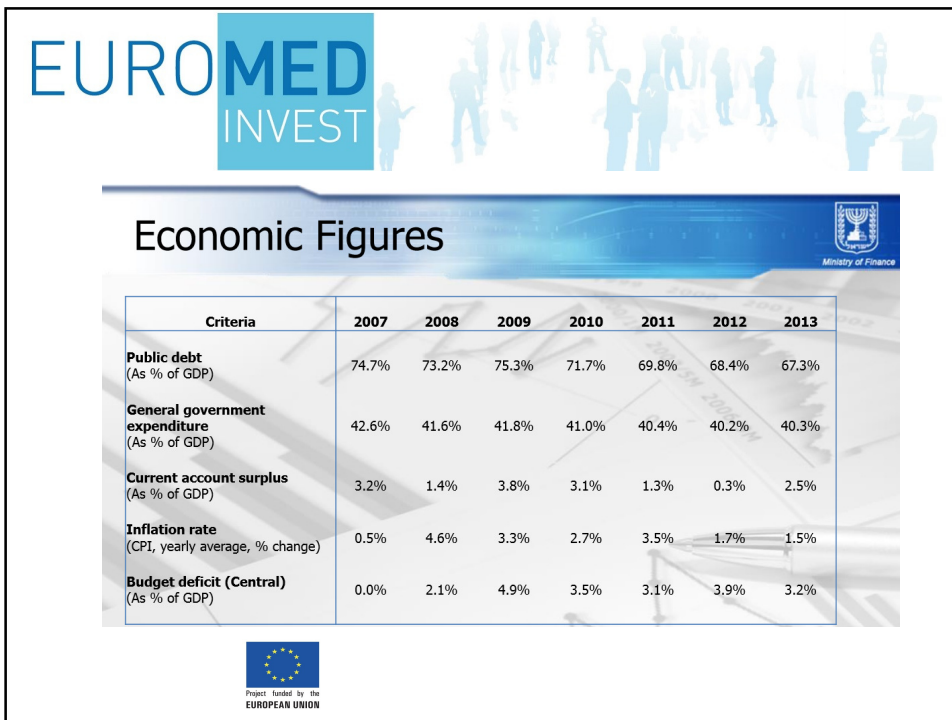
Ministry of Finance

Criteria	2012	2013	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1
<b>GDP</b> (Current prices in \$B)*	257.5	291.5	68.2	73.0	74.9	75.5	75.8
<b>Real GDP growth rate</b> (% change)	3.4%	3.3%	2.1%	4.4%	2.0%	3.3%	2.9%
<b>GDP per capita</b> (Current \$)	\$32,565	\$36,187	\$8,521	\$9,080	\$9,272	\$9,308	\$9,303
<b>GDP per capita growth rate</b> (%, constant prices)	1.5%	1.3%	0.0%	0.7%	0.0%	0.3%	0.3%
<b>Exports (goods &amp; services), \$B*</b> <i>(As % of GDP)</i>	93.1 36.2%	95.1 32.6%	23.3 34.2%	24.7 33.8%	21.8 29.2%	25.2 33.4%	25.1 33.2%
<b>Imports (goods &amp; services), \$B*</b> <i>(As % of GDP)</i>	92.6 36.0%	91.4 31.4%	22.0 32.2%	22.6 31.0%	23.6 31.5%	23.2 30.8%	23.3 30.7%
<b>Unemployment rate</b>	6.9%	6.2%	6.6%	6.7%	6.0%	5.8%	5.8%

\*Using a periodic average exchange rate




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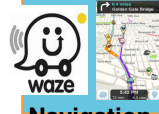


# 1,000


New innovative startups a year  
(new breakthrough every 8 hours)



Disk on Key



Navigation



Gesture recognition

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# EUROMED INVEST Israeli success stories

- NETAFIM** - Drip (low volume) irrigation
- Intel's Centrino and Pentium 4 microprocessors**
- Given Imaging** - Ingestible video camera
- M System's Disk On Key and Disk On Chip flash memory**
- AOL** - Instant Messenger ICQ
- Waze** - Community-based GPS traffic and navigation app
- Wix** - Flash website platform
- PrimeSense** - 3D sensing technology for Kinect
- Argo** - Technology with motorized legs that power knee and hip movement
- Powermat** - Wireless energy transfer
- Aqwise** - Wastewater treatment solutions
- TaKaDu** - Monitoring water networks
- Ormat** - Geothermal energy and residual heat
- HelloFocus** - Solar thermal solutions

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# EUROMED A major development hub

300 of the world's leading corporations have opened development centers in Israel, employing some 50,000 people.

**Haifa Region:** Google, Intel, Microsoft, GE, Apple, IBM

**Northern Region:** SanDisk, IBM, BMC Software, Given Imaging

**Jerusalem Region:** Intel, TEVA, SIEMENS

**Southern Region:** HP, Deutsche Telekom, Intel, EMC<sup>2</sup>

**Other companies shown on the map:** Check Point, BARCLAYS, CITI, SAP, DELL, BROADCOM, CISCO SYSTEMS, ORACLE, MOTOROLA


Maps: Wikipedia  
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# Israel and the EU Joint Programs




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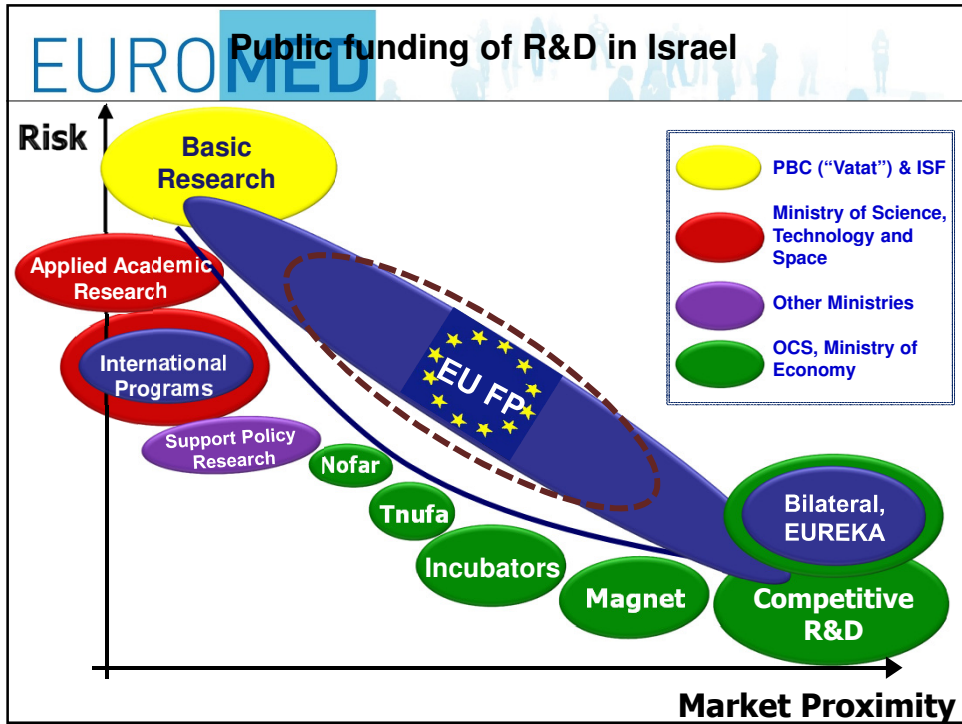


## EU Programs' Characteristics

- EU Framework programs for R&D
  - 1996-2013: 4100 approved grants for Israeli R&D groups, totaling 1.25 billion Euros
- Horizon 2020 – Israel will contribute 1 billion Euros
- Eureka
  - Israel is the only non-European full member
  - Israeli companies participate in 10% of projects
  - Chairman of the program in 2010-2011




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**EUROMED INVEST** Bilateral Program Characteristics


- Industrial R&D in all sectors
- Annual Calls for Proposals (usually in Feb)
- Joint Participation and contribution of both sides to the project
- Project Financing of up to 50% of Costs



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**EUROMED INVEST** Israeli side of project

- A two-phase process
- Financed by the OCS R&D fund
- Subject to the rules and regulations of the OCS



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**EUROMED INVEST** Italian side of project

- A one-phase process
- Financed by the Italian Ministry of Foreign Affairs



**EUROMED INVEST** Funding Agencies - Israel

Office of the Chief Scientist (OCS) in the Ministry of Economy (with ISERD as front-end)

**Ran Arad, Bilateral Program Manager**  
**ISERD, 29 HaMered Str., Tel Aviv 61500**  
**Tel: 972-3-5118152**  
**ran@iserd.org.il**



**EUROMED INVEST** Funding Agencies - Italy

**Ministry of Foreign Affairs**


**Dott.ssa Federica Campioni**  
**Ministero degli Affari Esteri**  
**DGAP - Direzione Generale per gli Affari Politici e la Sicurezza**  
**VIII Ufficio**  
**Piazzale della Farnesina, 1 - 00135 Roma**  
**Tel. +39 06 36918901**  
**federica.campioni@esteri.it**

  
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**EUROMED INVEST** Results of the 2013 Call

- 53 applications; 33 -> phase 2 (in IL); 14 selected for financing
- Total amount of funding for all projects in Euro: IL 1.31M, IT 1.49M

Selected Project	Area	Israeli party	Italian party
AIRWAY	Environment	Airbase Systems	3D Informatica
FreeFlowMilkMeter	Food	ENG5	Cortal Extrasoy
FRESH	Food	Strauss	Officine di Cartigliano
HOPIP	Space/ICT	LMY	AGT
IrrIGATe	Food	Netafim, BGU	IGA, Università di Udine
MAG-Aviation	Avionics	Matechet Carmel	SAB Aerospace
MEME	Energy	Acktar, Technion	Tecnimont KT, INSTM
MOVER	Communications	Silicom	Politecnico di Torino; Tiesse S.p.A.
RAMSAAT II	ICT (QA)	ALD	NIER
RAYS	Environment	BNZ, Technion	Marcantonini, Università di Perugia
RHAISP	Space	Tower Semiconductor	TSD, RedCat, RGM, U. Calabria, U.Palermo
SEADEST	Marine Tech.	IARD	FLYBY
SHIC	Energy	Sol-Chip	Canova tech
WISEDET	ICT/Environment	Cartasense	SysDesign, CNR-IMM

  
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**Israeli – Italian  
SUCCESS STORY**

**IAI, Super Heron Heavy Fuel Engine – powered by Diesel Jet Italy**



Streamlined Aerodynamics




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**IAI – Super Heron**

- Significant fuel consumption reduction, around 30%
- Engine automotive derived
- Use of the same fuels that propel jet aviation engines, as kerosene Jet A-1 or JP
- Easier availability, higher safety and lower costs
- Good suitability for turbocharging: high specific power and capability to keep the performance constant with the altitude
- Robustness, reliability and longer maintenance intervals



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**SUCCESS STORY**  
**Elbit Systems (Elop) – ELT Roma**  
**MUSIC® / C-MUSICTM**

DIRCM Directed IR Countermeasures solutions for aircraft pro



  
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**June 2007**

Elbit Systems Ltd. announced that its subsidiary Elbit Systems Electro-Optics Elop Ltd. and Elettronica S.p.A. agreed to cooperate to the joint development of advanced DIRCM systems intended to protect helicopters and wide-bodied aircraft from low altitude attack by shoulder-mounted heat seeking missiles.

**June 2011**

Elbit Systems announced the signature of supply order for the system's first international customer – the Italian Air Force. The company has been awarded a contract valued in excess of \$15 million by Elettronica S.p.A to supply MUSIC based elements for Elettronica's ELT/572 DIRCM system destined for various platforms of the Italian Air Force. The contract will be performed over the next three years.

**June 2013**

System installed on the 1° EL AL 737

  
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**EUROMED INVEST** We are here to help you

- **Identify** quality business opportunities in Israel
- **Connect** with relevant companies and the local business community
- **Advise you** on how to maximize substantial governmental support
- **Expedite** the process of setting up your business in Israel

**Invest in Israel**

The Israel Investment Promotion Center advances high-quality direct international investment in Israel with focus on the following sectors: ICT, New Media, Life Sciences, Renewable energy and Financial Services

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**EUROMED INVEST** The Israeli Economic & Trade mission to Italy

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Ministry of Economy



# Thank you

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