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MINISTRY OF INDUSTRY, TRADE & LABOR



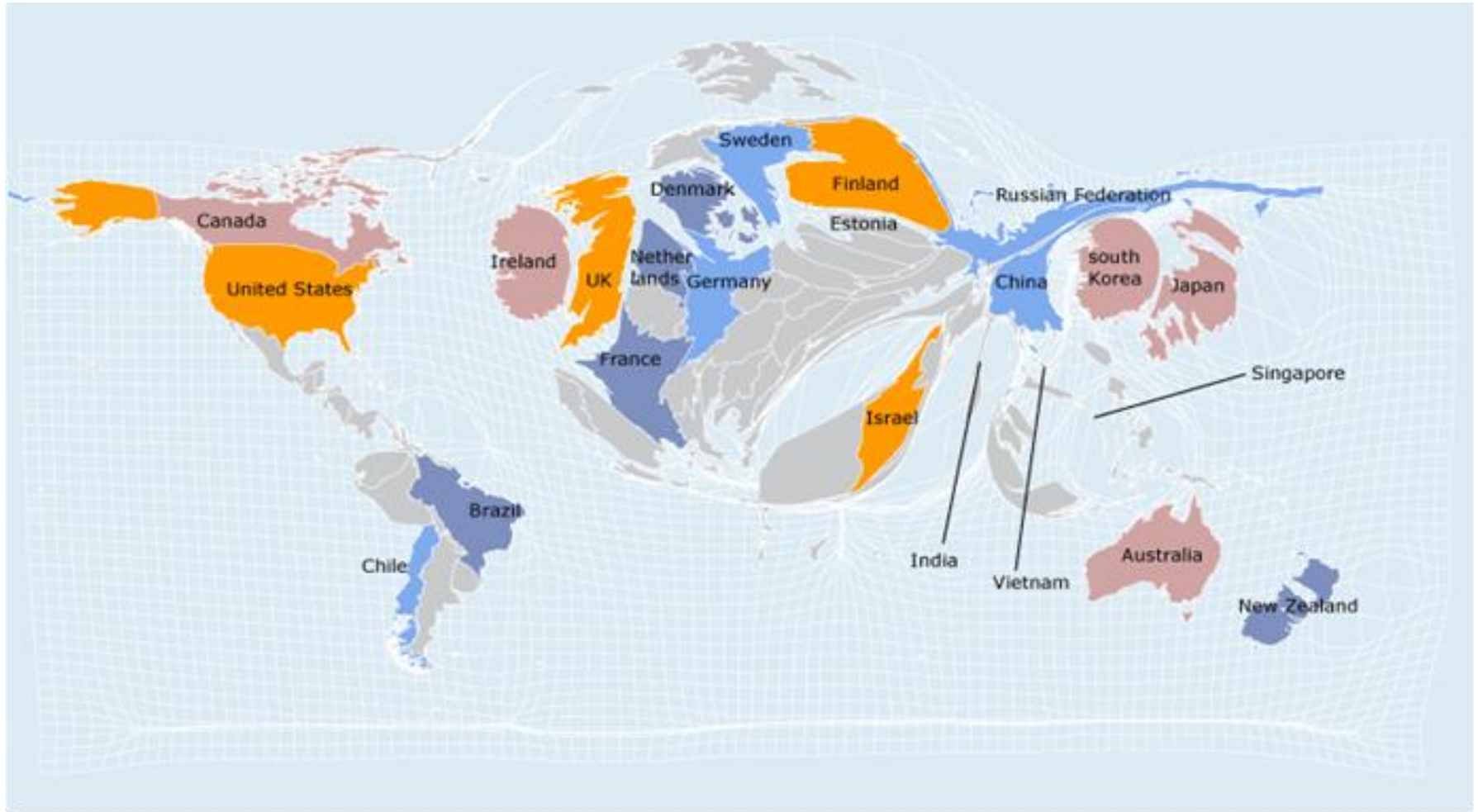
Encouraging Green Innovation – Translating Policy into Actions –

Smart Grid Forum
Technion, Jan. 2013

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Ministry of Industry, Trade & Labor

World Map Of Innovation



Source: Harvard Business Review

Israel's Cleantech Innovation

Where are the Global Cleantech 100 based?

COUNTRY	2011 GCT100 COMPANIES	2012 GCT100 COMPANIES	CHANGE 2011 TO 2012	2012 GCT100 COMPANIES PER TRILLION \$ GDP*	INNOVATION INDEX RANKING**
United States	58	64	+6	4.2	5
United Kingdom	9	8	-1	3.5	10
Israel	4	6	+2	25.5	2
Canada	3	5	+2	3.6	7
Germany	5	4	-1	1.3	6
China	3	3	0	0.3	13
France	3	2	-1	0.9	19
India	1	2	+1	0.4	12
Netherlands	4	2	-2	2.8	14
Denmark	2	1	-1	4.8	1
Ireland	0	1	+1	5.5	9
Italy	0	1	+1	0.5	27
Luxembourg	0	1	+1	24.3	NA

*PPP GDP, International Monetary Fund

** Of 38 countries studied in the 2012 Global Cleantech Innovation Index1



Global Cleantech[™]
100

The Israeli Water Industry

A Mixture of Maturity & Innovation



Green Innovation Ecosystem

- ❑ Supply side innovation
- ❑ Demand side innovation
- ❑ Other supporting tools
- ❑ Generic measures, specialized measures



Supply side innovation

- ❑ OCS tools along the value chain of innovation
- ❑ Other governmental programs





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OCS' Instruments along the Value Chain Of Innovation

National

Generic R&D

Pre-Seed

Competitive R&D

Cooperative
R&D

Nofar, Magnetron

TNUFA

Support of
Traditional Industry



MAGNET

Technological
Incubators

R&D Fund

International



Europe FP

International
Cooperation in
R&D

Bi-national
Agreements

EUREKA!

Global Enterprises !

Bi-national Funds

Applied Academic
Research

Industrial R&D

Market Proximity



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OCS' Instruments along the Value Chain Of Innovation

National

Generic R&D

Nofar, Mageton

MAGNET

3 Consortia

Pre-Seed

TNUFA

Technological
Incubators

+10% of
Incubators'
Projects

Competitive R&D

Support of
Traditional Industry

R&D Fund

+10% of
OCS Grants

Cooperative
R&D



Technological
center for RE

International



FP7

Europe FP

International
Cooperation in
R&D

BIRD-E

Bi-national
Agreements

EUREKA!

Global Enterprises !

Bi-national Funds

Applied Academic
Research

Industrial R&D

Market Proximity

Demand side innovation

- ❑ GHG emissions - 1st commercial installations of innovative technologies
- ❑ Water Utilities - beta for innovative technologies
- ❑ RE - FIT for innovative solutions
- ❑ Tax benefits (EV)
- ❑ International collaborations



Other supporting tools

❑ Private investment market

- ✓ 400m NIS oil alt. for transportation (spec.)
- ✓ 800m NIS institutional investments (gen.)

❑ Regulation for innovation

- ✓ As market driver
- ✓ Supporting implementations of innovative solutions



Leveraging National Programs

❑ Adding industrial R&D perspectives to national “green” programs to create knowledge-intensive industry:

- ✓ Oil alternatives for transportation
- ✓ Reducing GHG emissions
- ✓ Newtech – Water & RE
- ✓ Green Growth

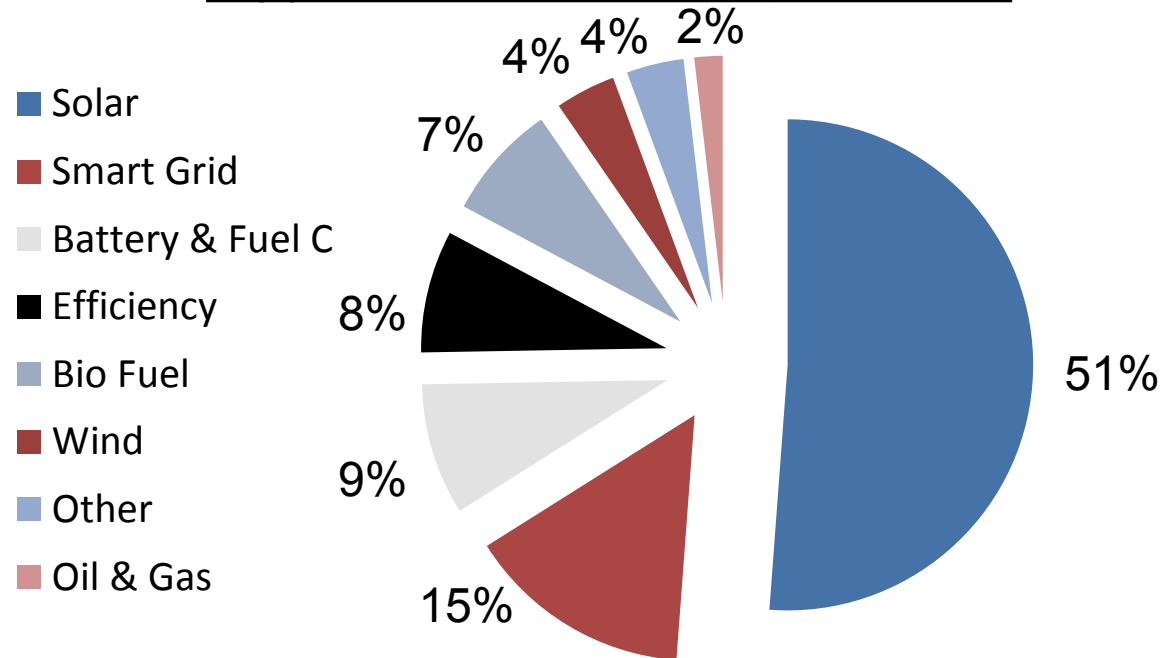
✓ Smart Grid ?



OCS Energy R&D Grants



Approved R&D Grants (08-Q1,12)



Energy Related Projects 2008-2012/Q1

Total Budget : **NIS 476,297,819**

Total Funds Granted : **NIS 167,625,788(35%)**

Number of Projects: **120**





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Thanks!

For any additional information:

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