

RE 2010 International Conference and Exhibition
RE Policy Symposium
1st July, 2010
Yokohama, Japan

PREPARATORY COMMISSION FOR
INTERNATIONAL
RENEWABLE
ENERGY AGENCY **IRENA**

International Renewable Policy Network

Hugo Lucas
IRENA

IRENA

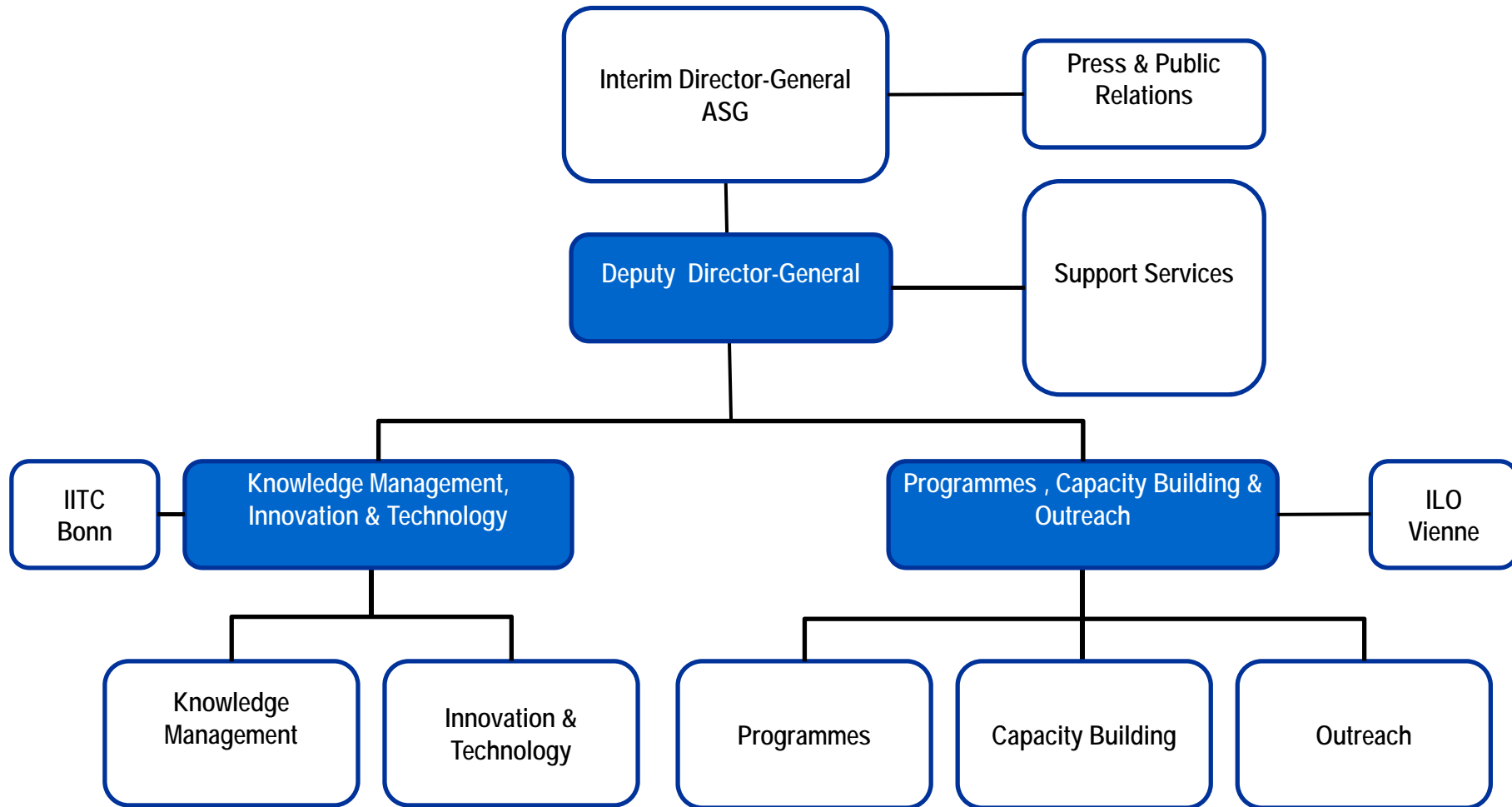


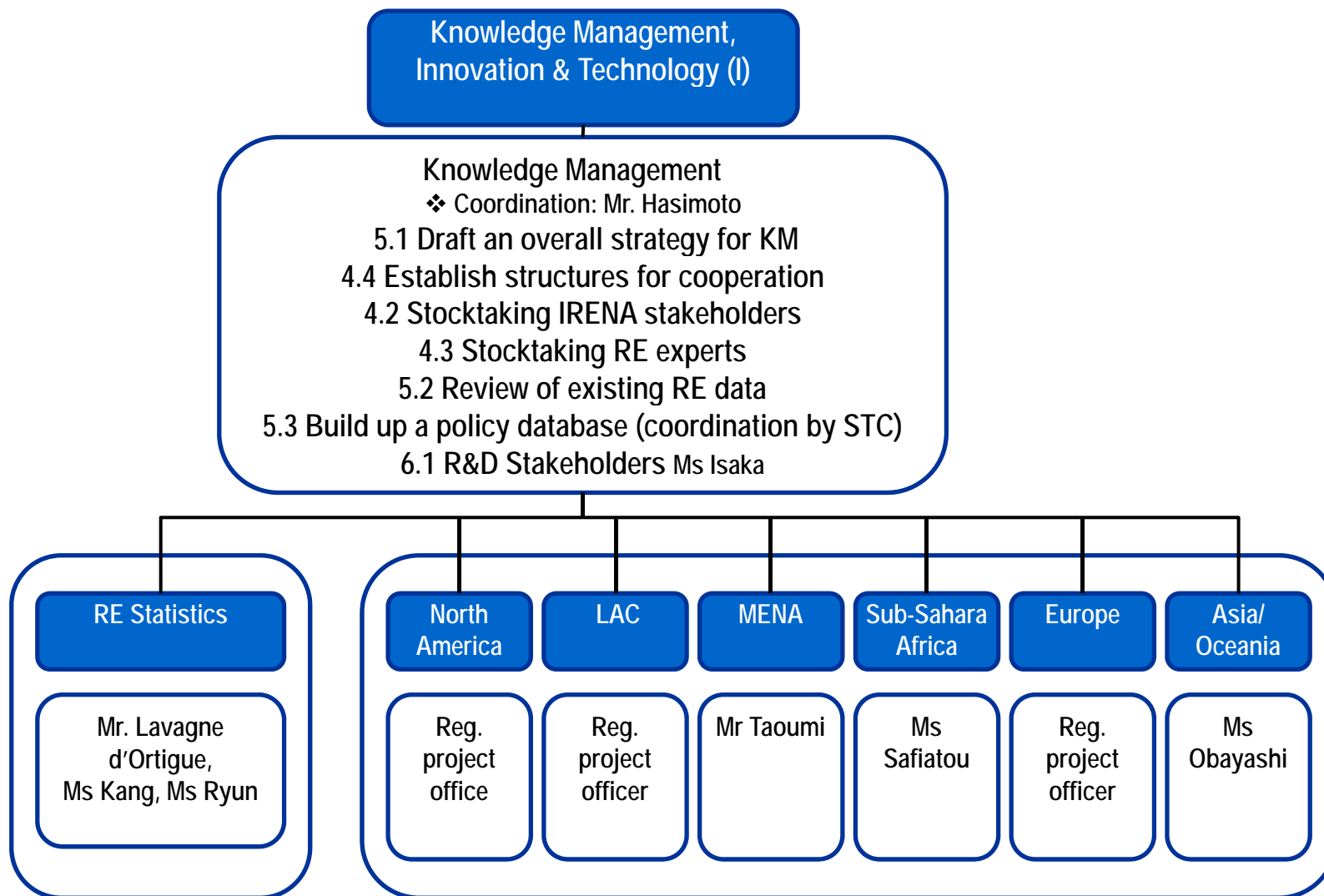
Foundation: **26 January 2009** in Bonn (75 states signed the Statute of IRENA)

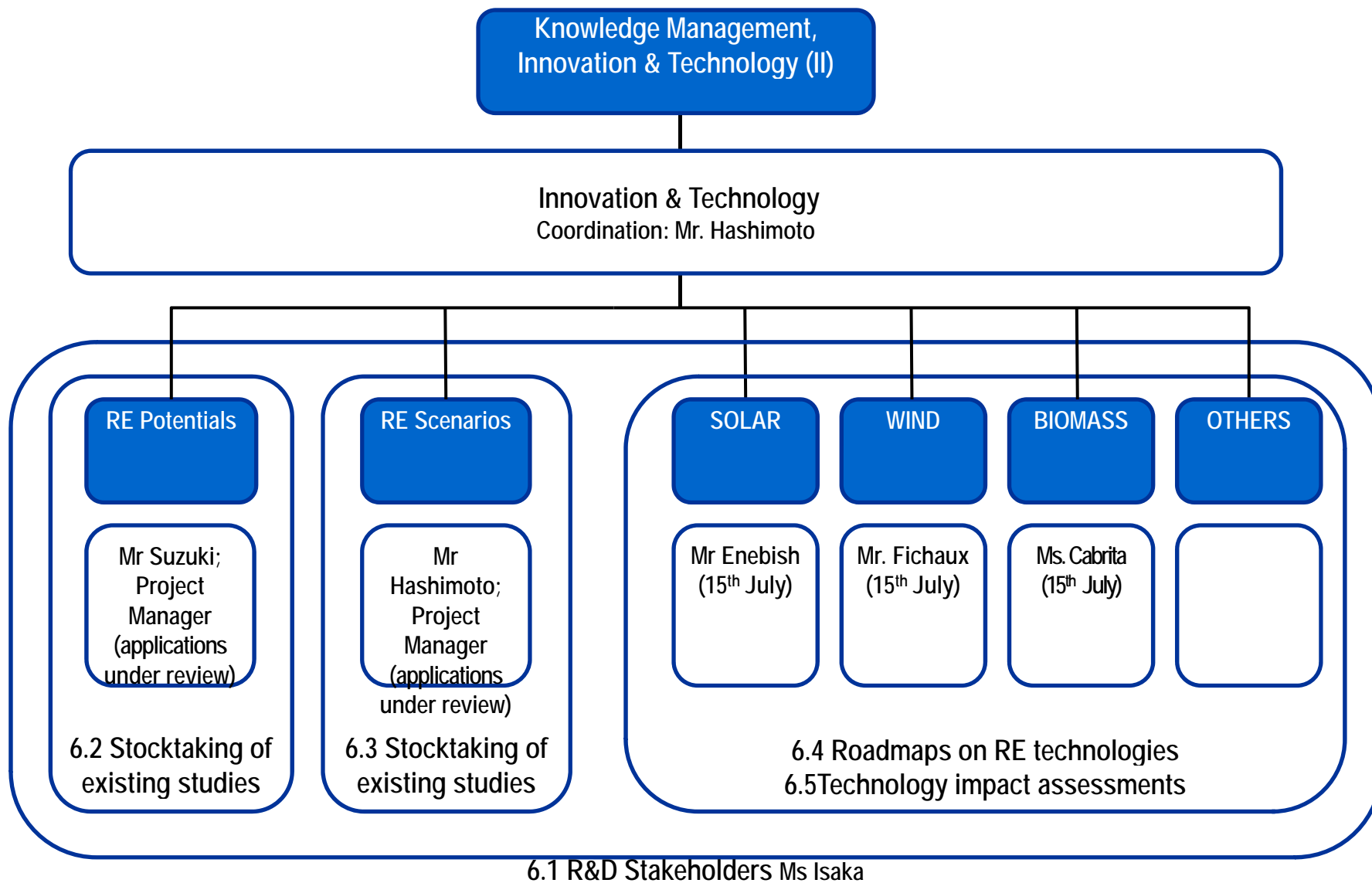
Members: **147 and the EU** (as of today)

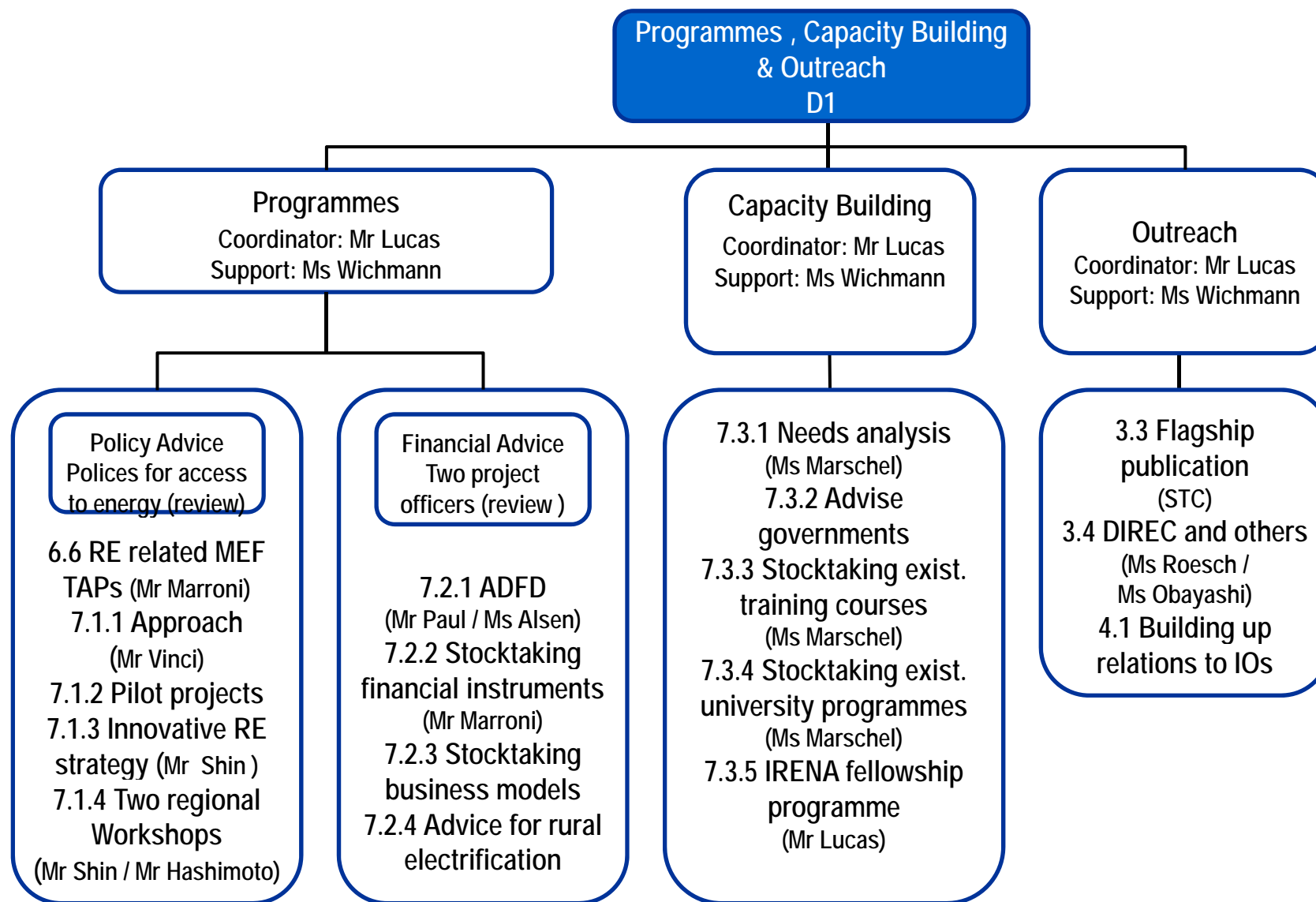
Director-General: **Ms. Hélène Pelosse**

Headquarters: **Abu Dhabi, United Arab Emirates**









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Programmes & Capacity Building

Areas of Advice

- **Holistic approach for both: Incremental objectives but also access to energy:**
 - **Policy**
 - **Financing**
 - **Capacity Building**
 - **Technology and Innovation**

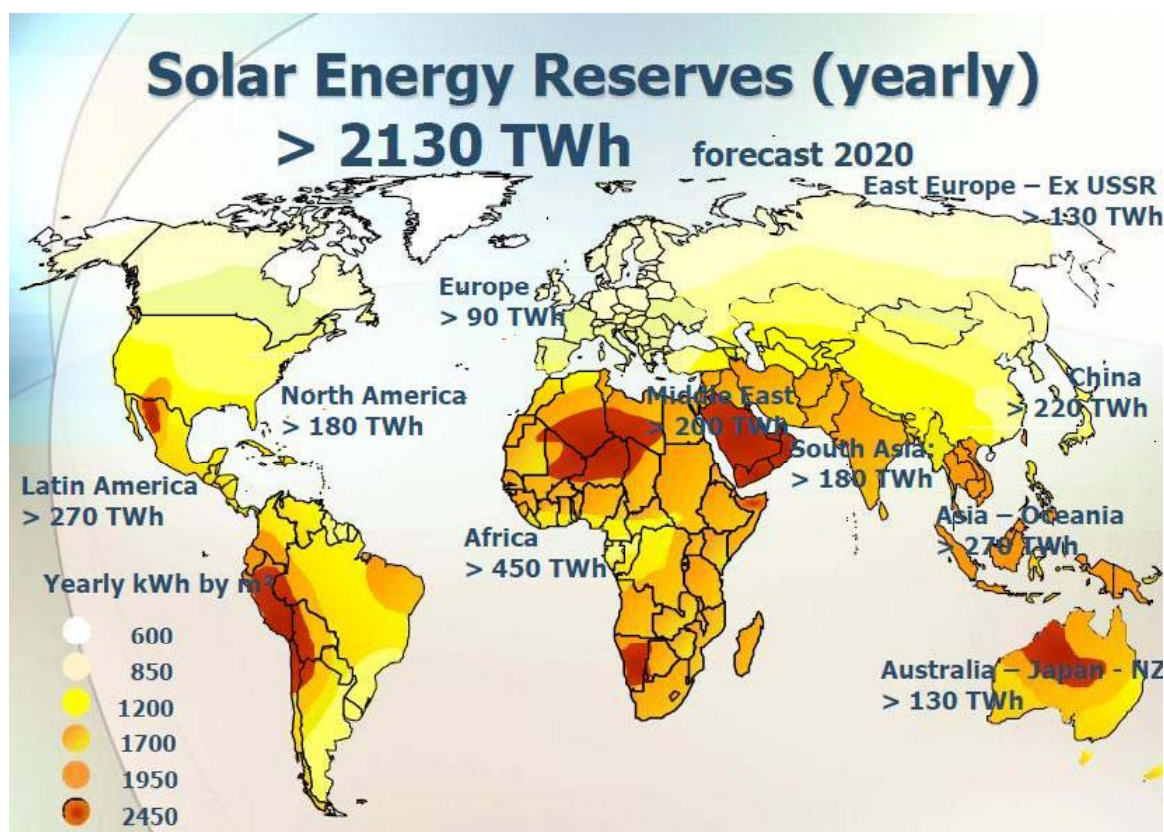
Addressing Key Positions

- **Aware High Level Decision Makers**
- **Support Policy Makers**

Working in a cooperative manner

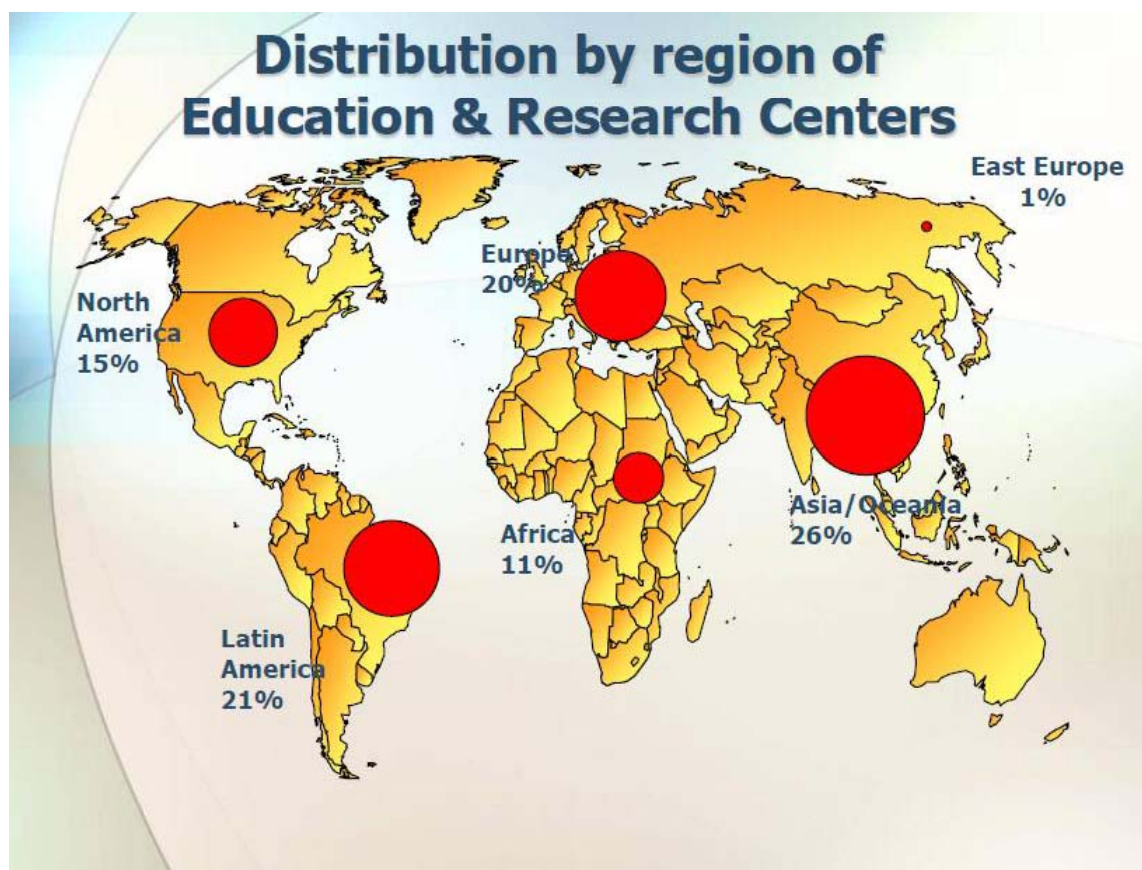
- **IEA: RE Policy database, access to data, etc.**
- **REN21, REEEP, UNEP, etc**
- **No governance. Cooperation based on projects**

Capacity Building – Demand and Supply



Source: B. Dessus & UNESCO's Summer School of rural electrification

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Renewable Energy Deployment

- **Local Policies**
- **Strategies:**
 - **Rural Electrification**
 - **Integration (smart grid)**
 - **Desalination**
 - **Cooking**

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Knowledge Management

Overall Strategy Document

- **Assessment of the needs**
- Stocktaking of potential **data formats** and sources
- Determination of the **most important knowledge themes** of IRENA
- Review of technical and **operational approaches** and possibilities in IRENA's knowledge management tasks
- Identification of the most appropriate **ways and instruments** of knowledge management to **generate, edit, store, retrieve and share information**
- Development of a **roadmap for implementation**

Stocktaking activities:

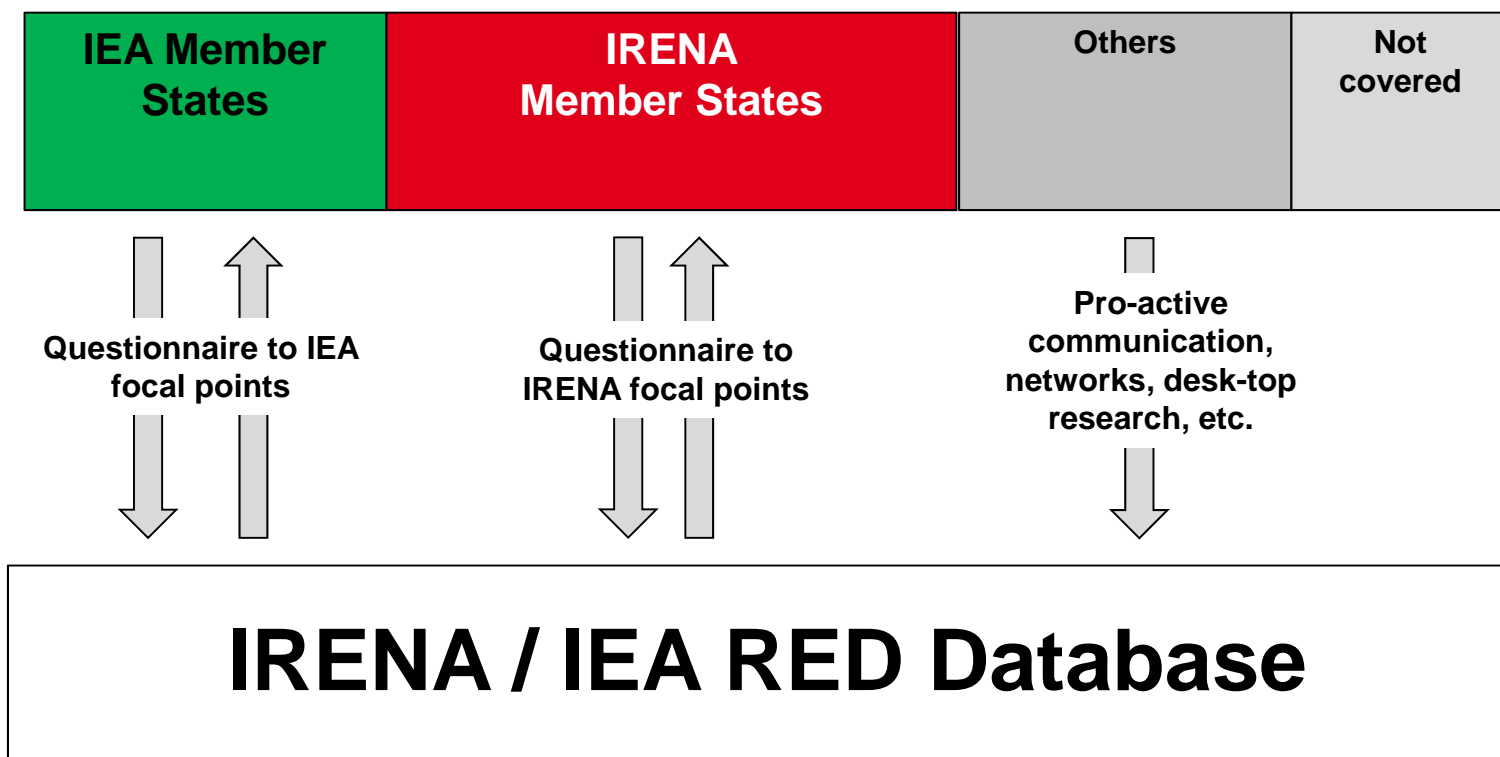
- 4.2 Stocktaking IRENA stakeholders
- 4.3 Stocktaking RE experts
- 5.2 Review of existing RE data
- 5.3 Build up a policy database
- 6.1 R&D Stakeholders
- 6.4 Technology Roadmaps
- 7.3 Financial mechanism and business models

Specific actions: Renewable Energy Policy Database

Type of institution	Stocktaking approach	Name of institution/ database	Total sum of states covered in the database (incl. EU)	IRENA MS covered (incl. EU)	IRENA MS gathered	IRENA Non-MS gathered	
Governmental organisation	bottom-up	IEA	29	25	25	4	Long-term cooperation
Governmental organisation ¹	top-down	RES-Legal	27	25	0	0	Short-term agreement (if required)
Research Consortium	top-down	DSIRE	1	1	0 ²	0	
Network	top-down	REN21					
Governmental organisation	bottom-up	IRENA	193	144	119	45	

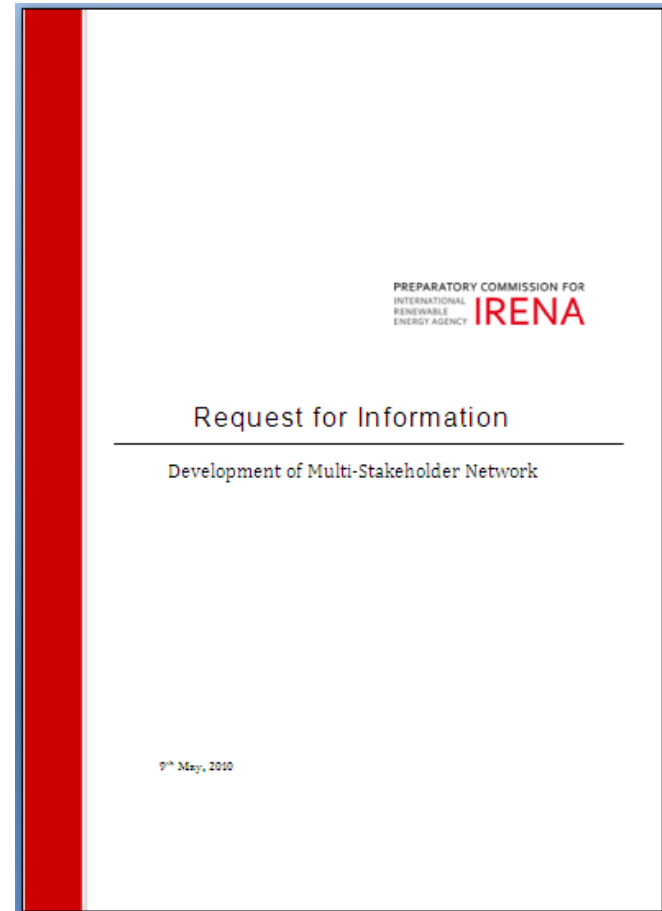
1. Database hosted and financed by the BMU, compiled by Eclereon
2. In addition to the IEA information

Specific actions: Renewable Energy Policy Database



Multi Stakeholder Network

- Rfi was sent to more than 20 IT and RE companies
- **Deadline for Rfi responses: 20th May**



Agenda – First regional workshop

PREPARATORY COMMISSION FOR INTERNATIONAL RENEWABLE ENERGY AGENCY IRENA	
RENEWABLE ELECTRICITY POLICY WORKSHOP Abu Dhabi, UAE, 23rd of June 2010	
AGENDA	
8:30 - 9:00	Welcome and introductory remarks Ms Helene Pelosse, International Renewable Energy Agency (IRENA) Ms Rita Mishan, Ministry of Foreign Affairs, Guatemala Mr Osamu Onodera, Ministry of Economy, Trade and Industry, METI, Japan
9:00 - 10:00	Long term energy outlook and support policies Chairman: Mr. Michio Hashimoto, IRENA Long term energy outlook in APEC region Mr. Kenji Kobayashi, APEC Research Center Effective long-term oriented RE support policies Mr. Mario Ragwitz, Fraunhofer Institute for System Innovation (tbc)
10:00 - 10:30	Coffee Break
10:30 - 11:30	Renewable energy support policies in IRENA Member States Chairman: Mr. Hugo Lucas, IRENA Japan (Dr. Kaoru Yamaguchi, IEEJ) Tonga (Mr. Akauola, Office Prime Minister) USA (Mr. Griff Thompson, Manager Energy and Climate Programs Bureau of Oceans, Environment and Science U.S. State Department) Germany (Mr. Martin Schope, BMU)
11:30 - 12:00	Discussion: Opportunities for sharing experiences: learning more from each other
12:00 - 13:00	LUNCH

Second regional workshop

14 – 16 October, Seoul in connection with “Renewable Energy Korea 2010”:

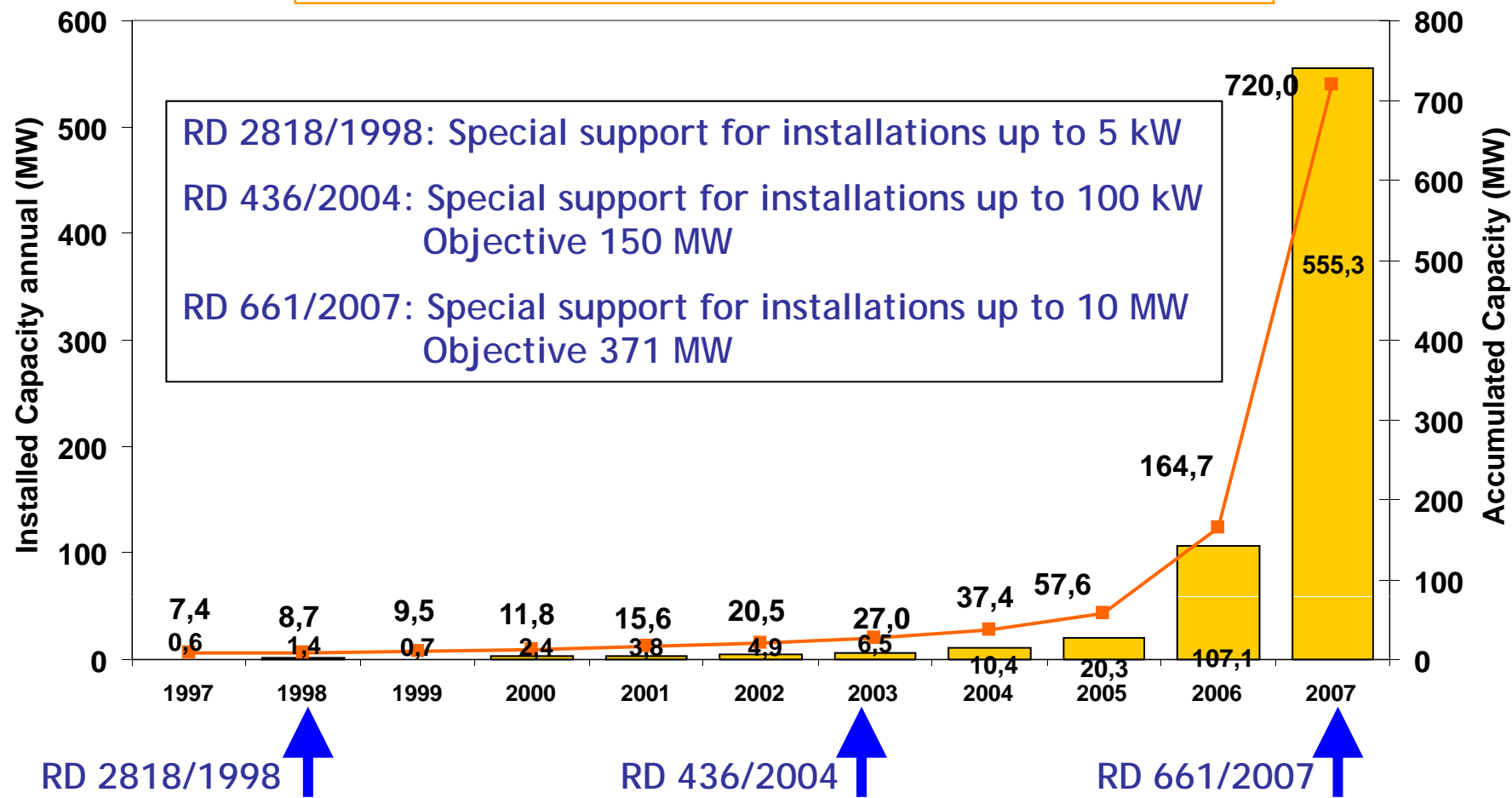
Renewable Energy Korea 2010, October 13 – 16, is the biggest exhibition dedicated to the renewable energy sector in Korea

International Feed-In Tariffs Cooperation

- Main goals:
 - Exchange of experiences so as to improve the feed-in system design in each country.
 - Stimulate the enhancement of feed-in tariffs worldwide by including other countries into their information exchange process.
- Research documents on: Evaluating different feed-in tariff design options - Best Practice.
- Six technical workshop to discuss on main issues of RES Policy: design options, support mechanisms and state aid, RE electricity and market integration, RE electricity and network integration, etc.

www.feed-in-cooperation.org

REGULATION VS INSTALLED CAPACITY



RD 1578/2008 MAIN ASPECTS

Two groups: in buildings & in land.

- Unique tariff for in land, no capacity steps for the ground installations.
- Higher support to architectural integration:
 - Higher quota & higher tariff.

Dynamic cap and tariff

- Decreasing tariffs, for new facilities.
- Increasing quotas, as tariffs decrease.
- 500 MW every year, with increases of 10 % per year.

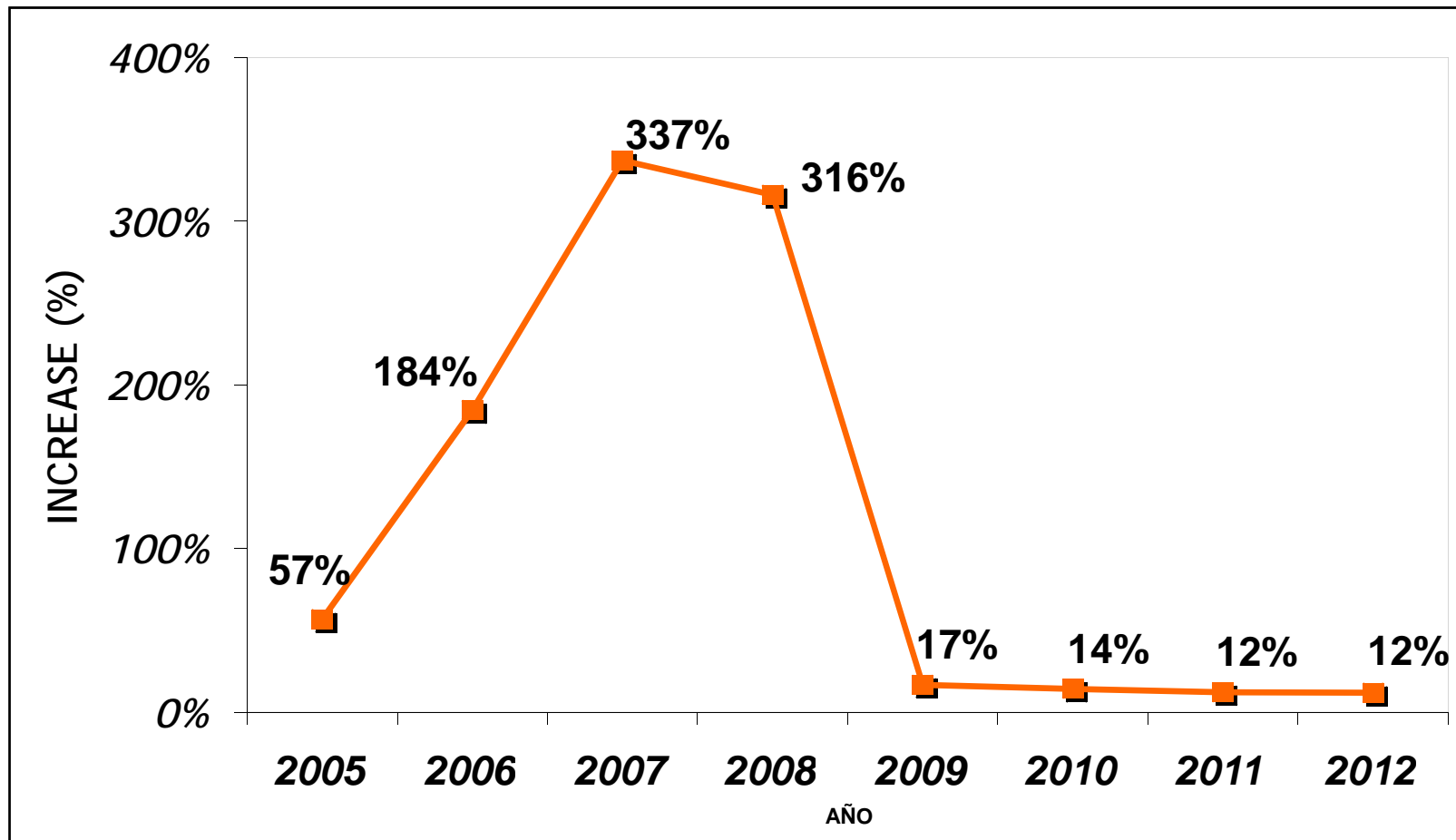
RD 1578/2008 RESULTS

TYPE I.1 roof ≤ 20kW	1 ^a call	2 ^a call	3 ^a call	4 ^a call
Cap (MW)	6,7	6,7	6,7	6,7
Authorised (MW)	1,7	3,6	2,8	6,6
Tariff (c€/kWh)	34,0	34,0	34,00	34,00

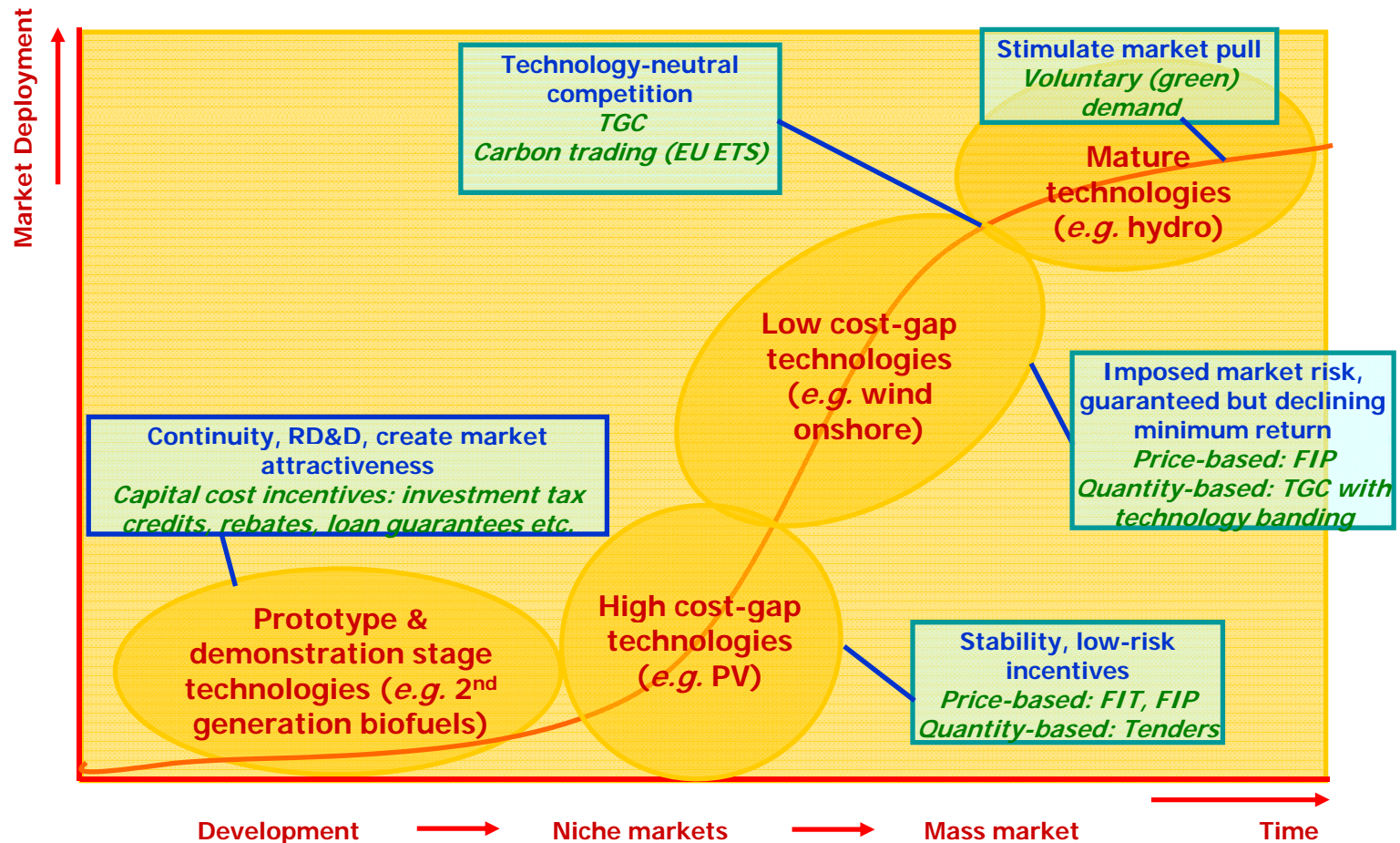
TYPE I.2 roof > 20kW	1C	2C	3C	4C
Cap (MW)	60,1	60,1	60,1	60,1
Authorised (MW)	20,9	31,7	35,6	61,6
Tariff (c€/kWh)	32,0	32,0	32,00	32,00

TYPE II land	1C	2C	3C	4C
Cap (MW)	58,3	94,6	89,5	85,6
Authorised (MW)	66,1	94,7	90,4	86,3
Tariff (c€/kWh)	32,0	30,7	29,91	29,09

INCREASE OF THE ACCUMULATED CAPACITY



Fostering RETs' transition towards mass market integration



Thank you for your attention!

ご清聴ありがとうございます！

Hugo Lucas

IRENA

www.irena.org