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Mitigation Enabling Energy Transition in the MEDiterranean region

RCREEE

Regional Center for Renewable Energy and Energy Efficiency
المركز الإقليمي للطاقة المتجددة وكفاءة الطاقة



**Proposal for a Regional Program for Appliances
Prepared with the scope of meetMED project
A3.3 Activity**

Regional Center for Renewable Energy & Energy Efficiency

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1. Selection of Appliances as part of the Regional Program

Country	Lighting		Refrigerators Freezers		Air Conditioners		Washing Machines		Dishwasher		Solar Water		TV		Electric Oven		Vacuum Cleaners		Electric heaters		Laundry Dryer		Fans	
	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels	MEPS	Labels
Algeria	•	•	•	•	•	•																		
Egypt	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•
Jordan	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•		
Lebanon	•	•	•	•	•	•																		
Libya	•																							
Morocco		•	•	•	•	•					•													
Palestine																								
Tunisia	•	•	•	•	•	•	•	•			•													

•	Implemented
•	Planned

- MEPS and Labels are authorized for “AC”, “Refrigerators” and “Lightings” six countries.
- “Solar Water Heaters” has authorized MEPS in four countries.
- MEPS for “Washing Machines” are adopted in two countries and labelling is under development in one country.
- “TV” has MEPS & labels in two countries (high distribution appliance)

2. Readiness Assessment

A PESTLE analysis was conducted to assess the SEMCs readiness to join the regional program. This included Political, economic, technological and social factors.

Results highlight that Egypt, Jordan, Morocco & Tunisia are currently fully ready to join such a program.

	Factors	Egypt	Lebanon	Jordan	Palestine	Morocco	Algeria	Tunisia	Libya
Political	<ul style="list-style-type: none"> Political Stability Political Will (e.g. International Agreements) Stakeholders needs or demands 	H	M	H	L	H	M	H	L
Economic	<ul style="list-style-type: none"> Availability of local Industry Availability of Finance Schemes for EE and RE Market Demand (eg population) Economic situation and prospects of EE and RE industries 	H	M	H	L	H	M	H	L
Technological	<ul style="list-style-type: none"> Availability of RE & EE Technology Availability of Skilled labor (Know How) Utilization level of EE and REs technologies Access to EE and RE technologies 	H	H	H	M	H	M	H	L
Social	<ul style="list-style-type: none"> Demographics and population trends Public Perceptions Media views Education levels Potential for knowledge exchange 	H	H	H	M	H	H	H	M
Environmental	<ul style="list-style-type: none"> Commitment to Environmental issues (Climate Change Agreement) Existence of environmental policies and regulations Level of CO₂ emissions 	M	M	M	L	M	M	M	L
Legal	<ul style="list-style-type: none"> Existing Policies and Legislations for EE and RE Existing incentives for RE and EE Existence of regulatory bodies for EE and RE technologies 	H	M	H	H	H	M	H	L
Score	H=3 ; M=2 ; L=1	17	14	17	10	17	13	17	7

3. Regional Program Objectives

Main Objective

Support the participating states in achieving their NDCs targets through decreasing energy consumed in the residential sector through and the strengthening of the regional cooperation around the Mediterranean

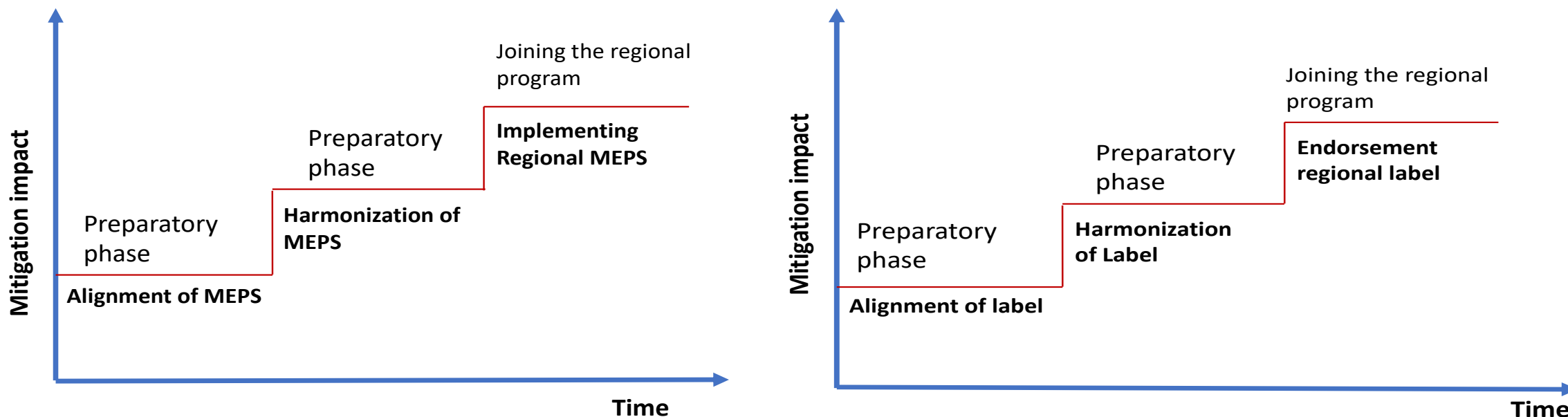
Specific Objectives

- To increase in the demand of efficient appliances in the regional market;
- To provide a suitable **structure & set-up for** wider scope of regional cooperation
- To facilitate **the alignment and harmonization** appliances' MEPS and labels in the SEM region
- To reduce of the cost of efficient appliances;
- To cut of the investments in testing facilities through the utilization of regional testing centers and reduction in regional trade barriers.
- To mitigate CO2 emissions at residential sector
- To facilitate north-south and south-south knowledge transfer in efficient appliances

4. Regional Program Principles

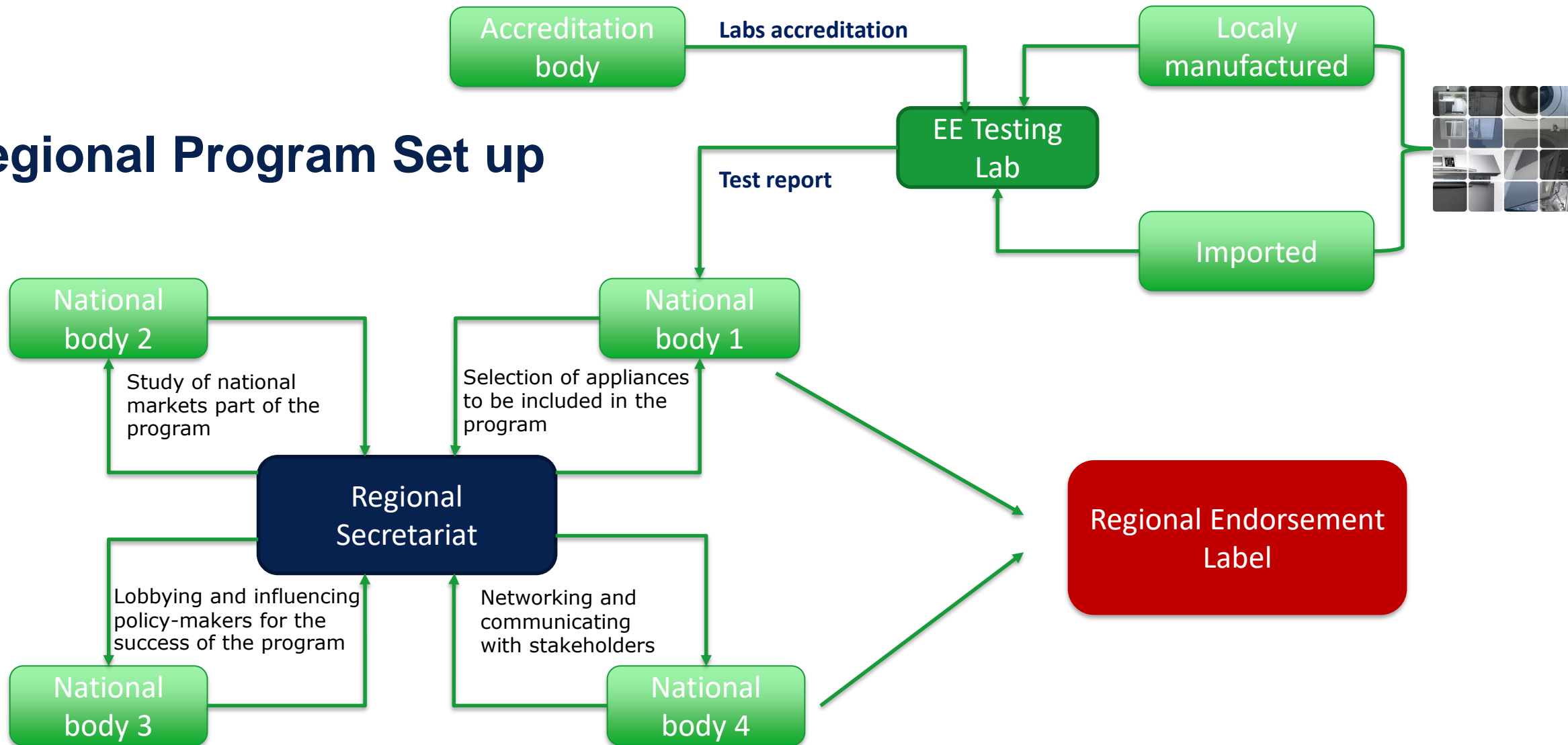
- Introduce Regional Endorsement Label.
- Do not contradict with existing national labels in different SEMCs.
- Propose harmonized mandatory MEPS thresholds & values.
- Empower national authorities at SEMCs.
- Introduce a regional multinational Secretariat
- Support standardization and labelling infrastructure

5. MEPS and Labels Regional Evolvment



- **MEPS:** For selected appliances the program propose 3 phases:
(I) Alignment of MEPS (II) Harmonization of MEPS (III) Implementation of regional MEPS
- **Labels:** For selected appliances the program propose 3 phases:
(I) Alignment (II) Harmonization (III) Endorsement Regional Label

6. Regional Program Set up



7. Recommendations & Future Steps (1/2)

1. **Regional cooperation** to recognize **testing reports** from *accredited labs* in other countries will decrease the high testing facilities cost
2. Focusing on **Regional harmonization** of testing procedures in the beginning will be both efficient and cost-effective
3. Incorporating **efficient MVE mechanisms** at national and regional levels at *early stage* during MEPS and Labeling policy planning.
4. Mapping of existing **local testing facilities** and their degree of **technical** and **human capacities**
5. Take into account the **scrapping and dumping process in the certification process, suggested with an incentive scheme (discounts)** to decrease the cost of efficient appliances.

7. Recommendations & Future Steps (2/2)

6. Creation of regional platforms for knowledge exchange between different key stakeholders and dissemination of the required technical data.
7. Ensuring **capacity building** for national stakeholders, **lobbying** and **communication** with regional stakeholders. International and regional **trade agreements** are essential for the deployment and **dissemination** of energy-efficient technologies
8. **Harmonizing** the reduction of **customs duties** of efficient household equipment in the SEM region
9. **High-level political** support and commitment to ensure the **sustainability of the program**

Contact us!



**Regional Centre for Renewable Energy
and Energy Efficiency**

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www.meetmed.org



meetMED Project



meetmed1



info@meetmed.org