

Programme Operator

European Economic Area Financial Mechanism 2009-2014

Presentation of the GR03 Programme: «Renewable Energy» & Open Call

Athens,
11th September 2014

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Section

Renewable Energy Today!

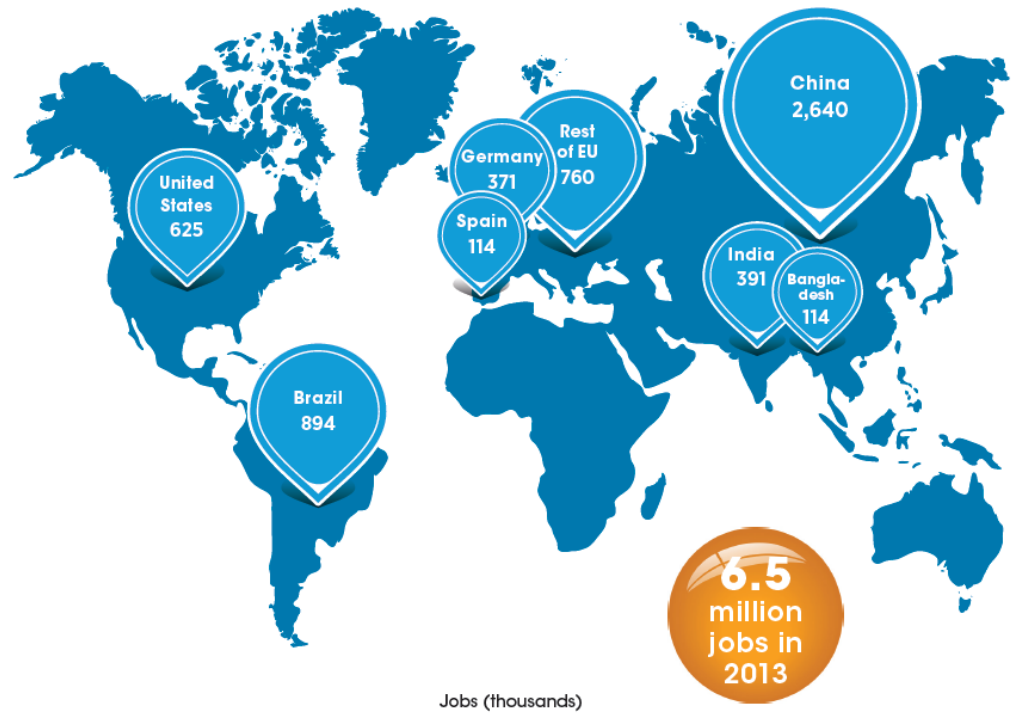
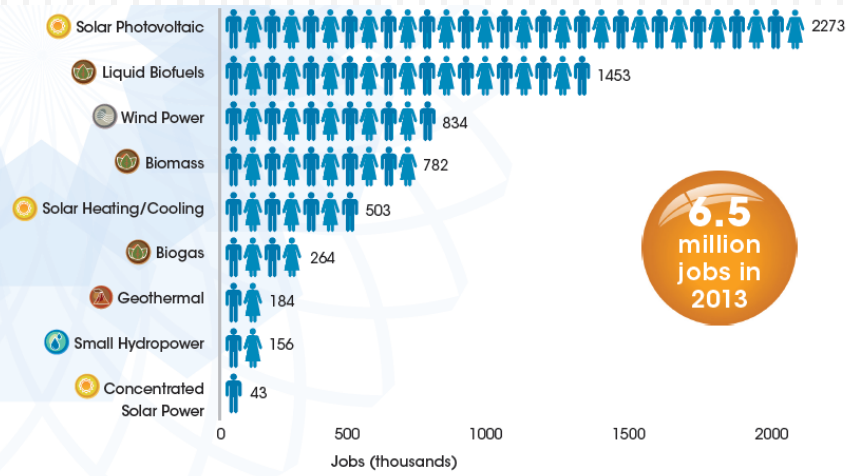


Renewables [1/3]

Why?



Renewables [2/3]



Source: IRENA, 2014

Renewables [3/3]



Create up to 2 million new jobs by 2020

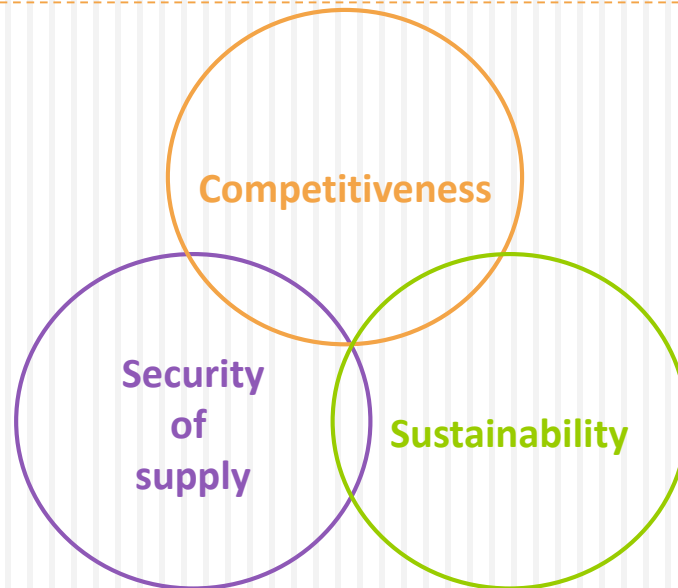


Reduce EU's energy bill by about € 200 bn annually in 2020



Boost R&D & markets for EU global leadership

EU Strategy



Reduce EU's energy dependence



Reduce investments in energy infrastructures



Improve the energy trade balance



Reduce CO₂ emissions



Limit environmental degradation

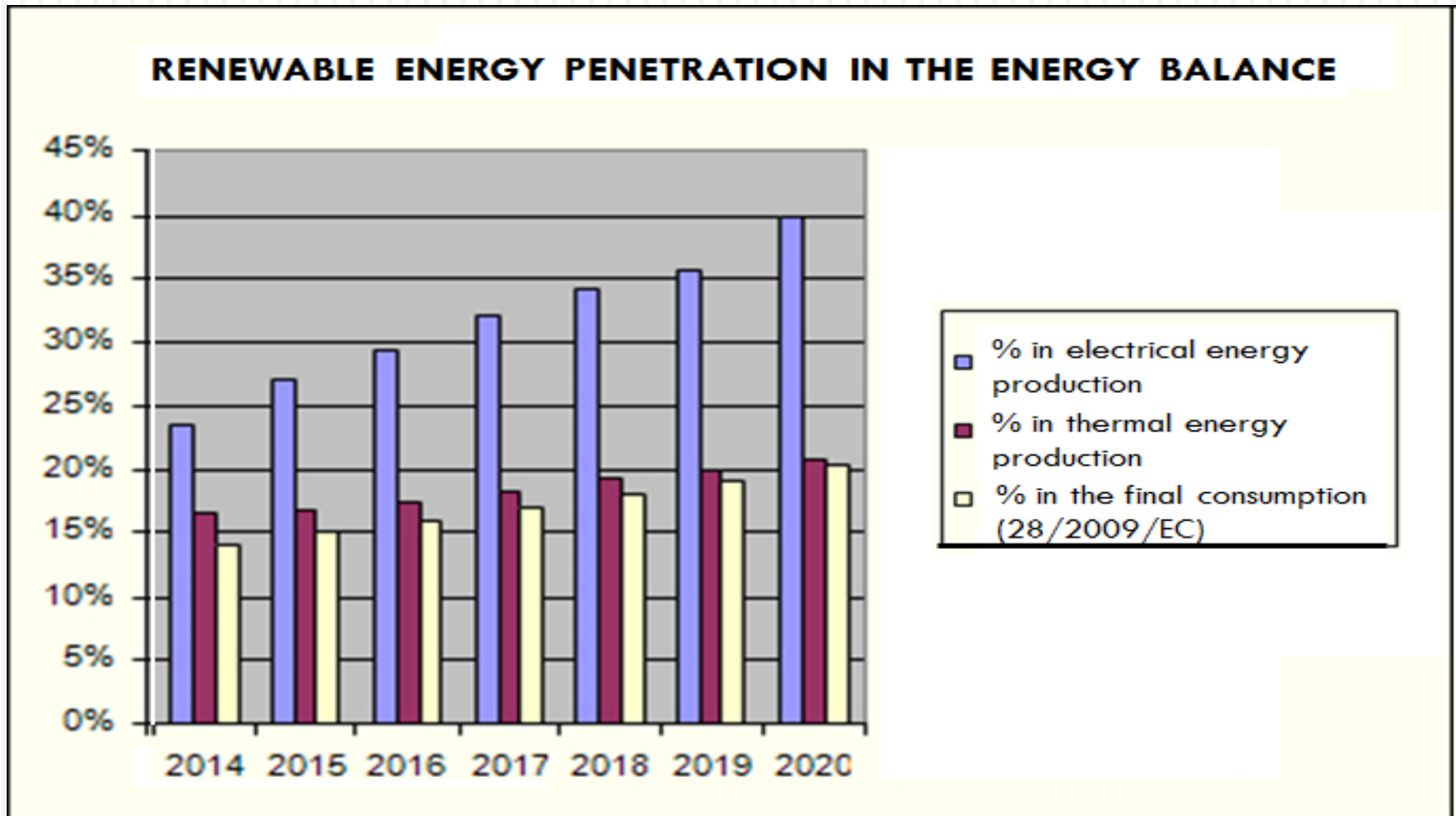
EU“20-20-20” Policy

- Reduction in EU greenhouse gas emissions of at least 20% below 1990 levels;
- 20% of EU energy consumption to come from renewable resources (+ 10% target for energy from RES in transport, set at the same level for each Member State),
- 20% reduction in primary energy use compared with projected levels, to be achieved by improving energy efficiency.

Energy Policy in Greece [1/3]

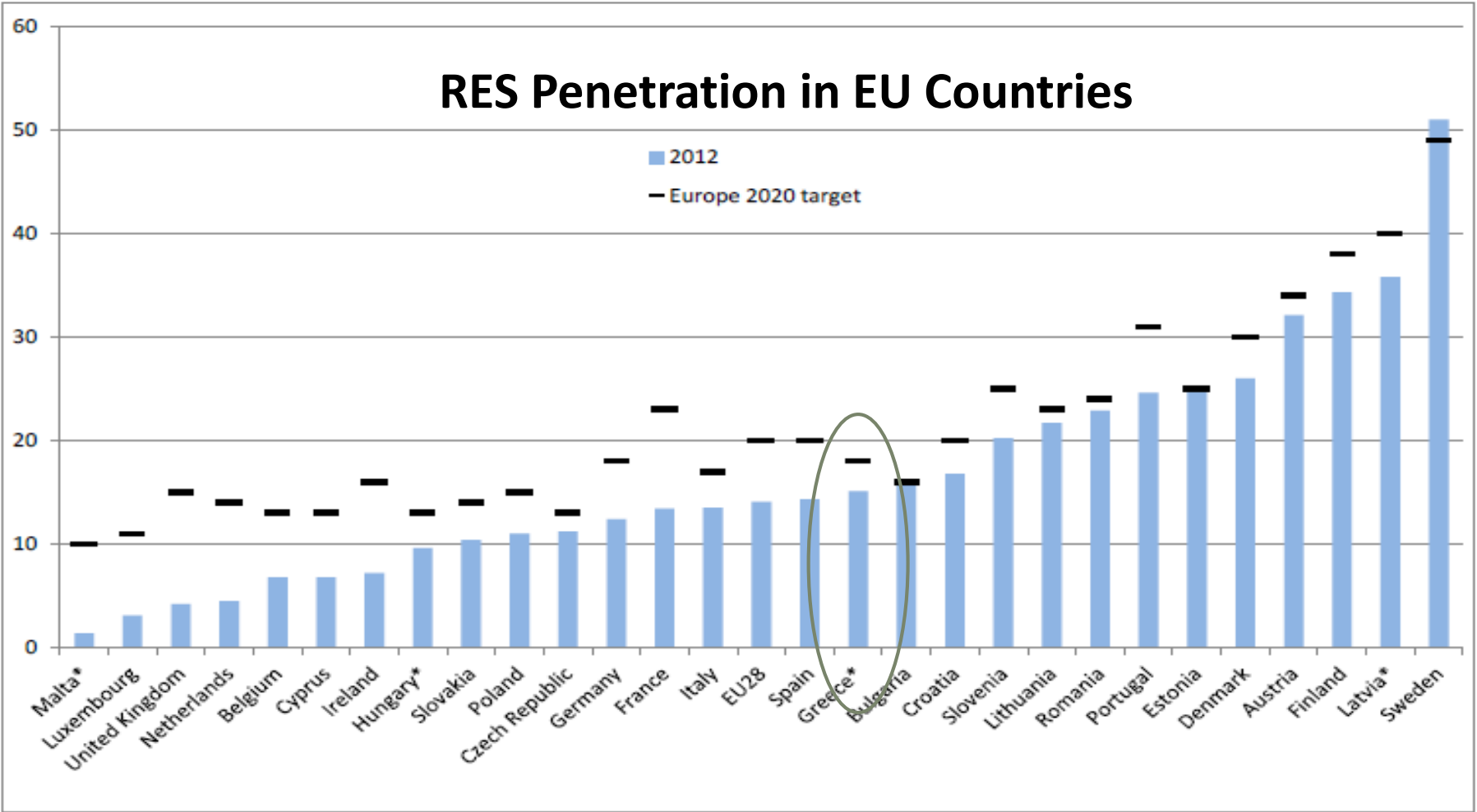
- ⊕ National target for the share of energy from RES in gross final consumption of energy in 2020 → **18%** (Directive 2009/28 EC).
- ⊕ L3851/2010, → **20%**, and especially:
 - ▣ RES can cover about 25% of the energy needs for heating-cooling until 2020, with a perspective for 60% until 2050;
 - ▣ As regards electricity production, the desirable % of RES penetration is estimated → 40%.
- ⊕ 4122/2013 → Harmonization with Directive 2010/31/EC → new regulations for new and existing buildings concerning energy efficiency and updated the procedures for buildings' energy audits.

Energy Policy in Greece [2/3]



Energy Policy in Greece [3/3]

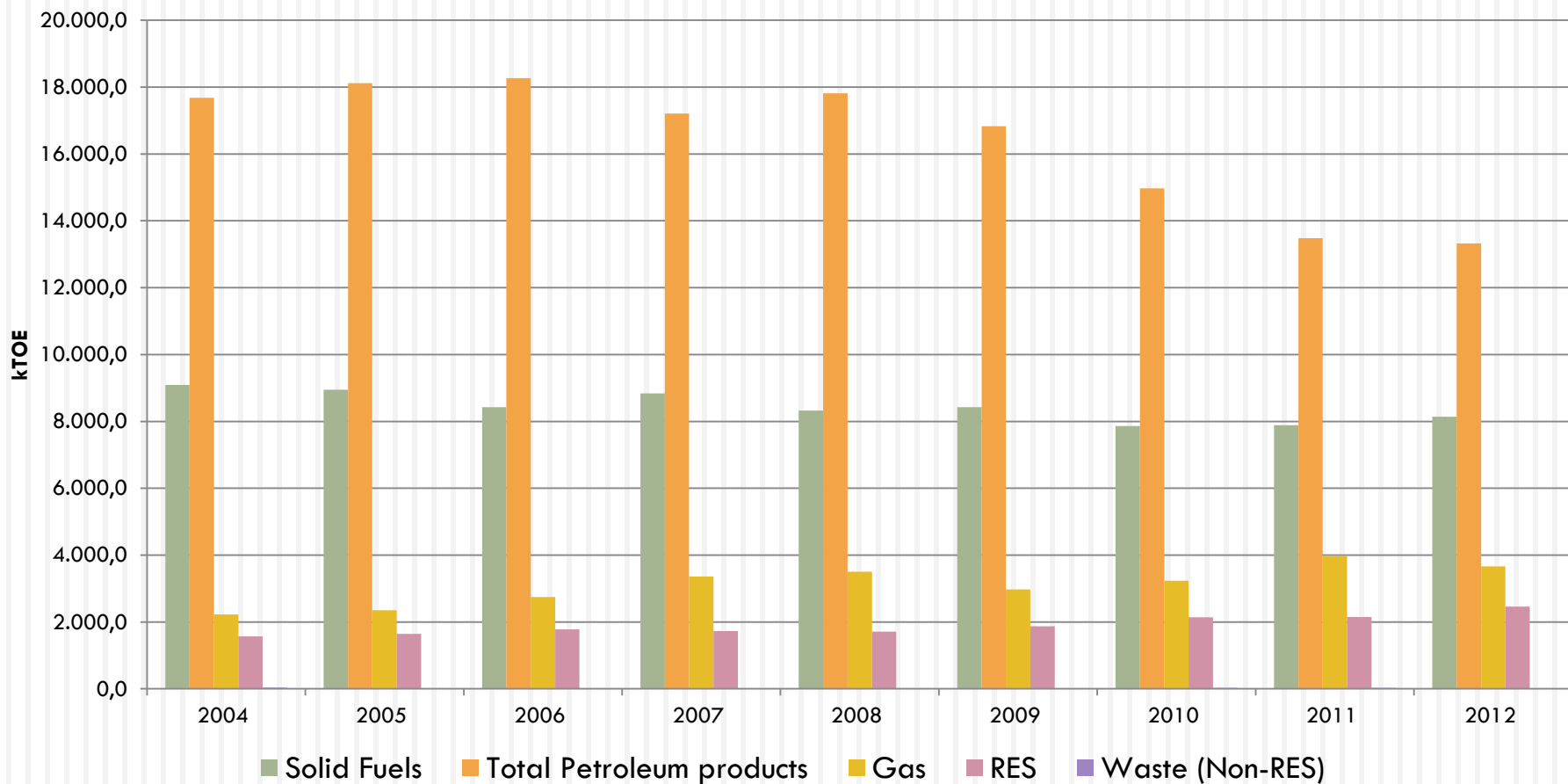
RES Penetration in EU Countries



* estimated

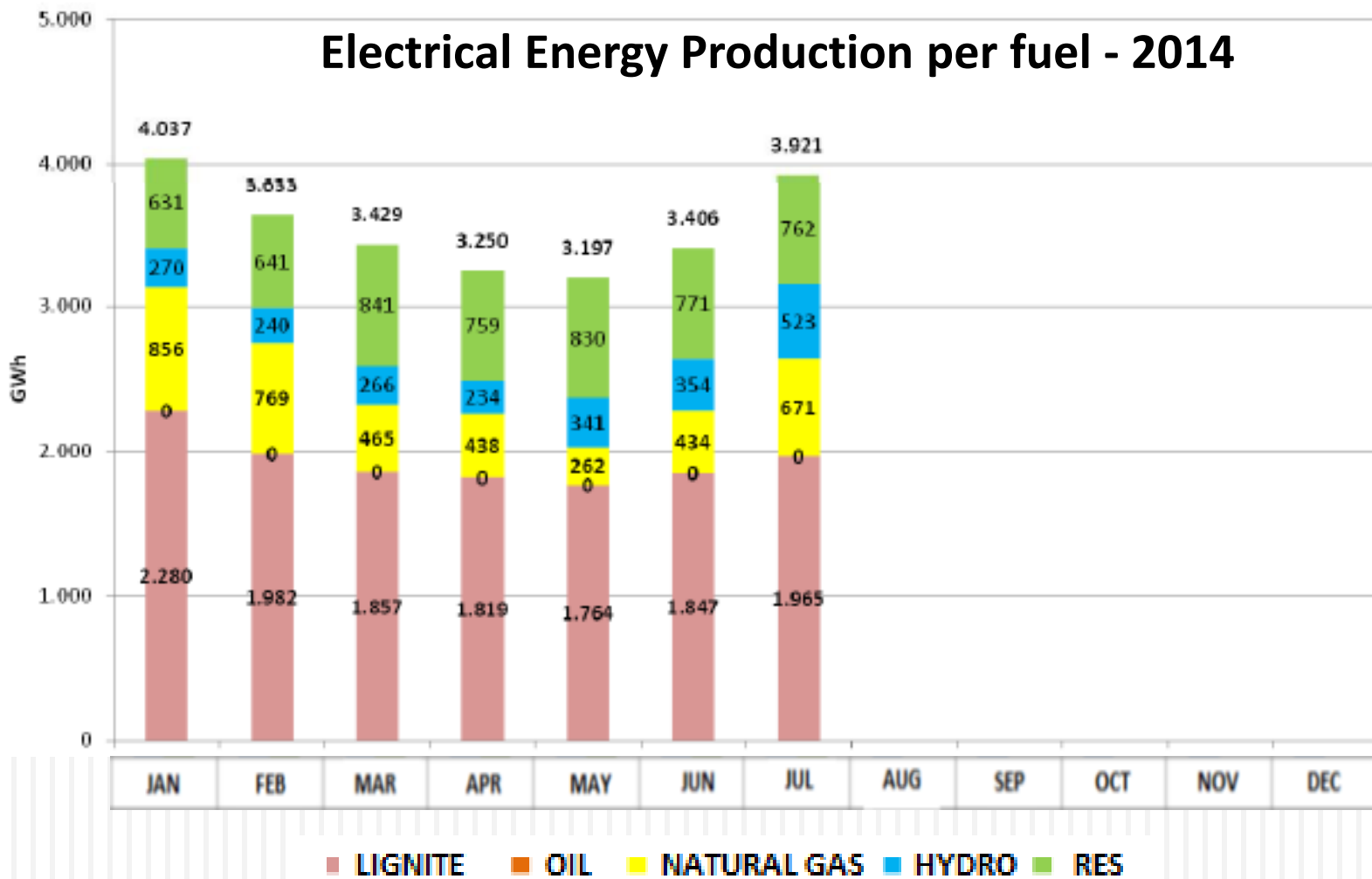
RES Greek Statistics [1/3]

Gross Inland Energy Consumption by fuel type



Source: Eurostat, 2014

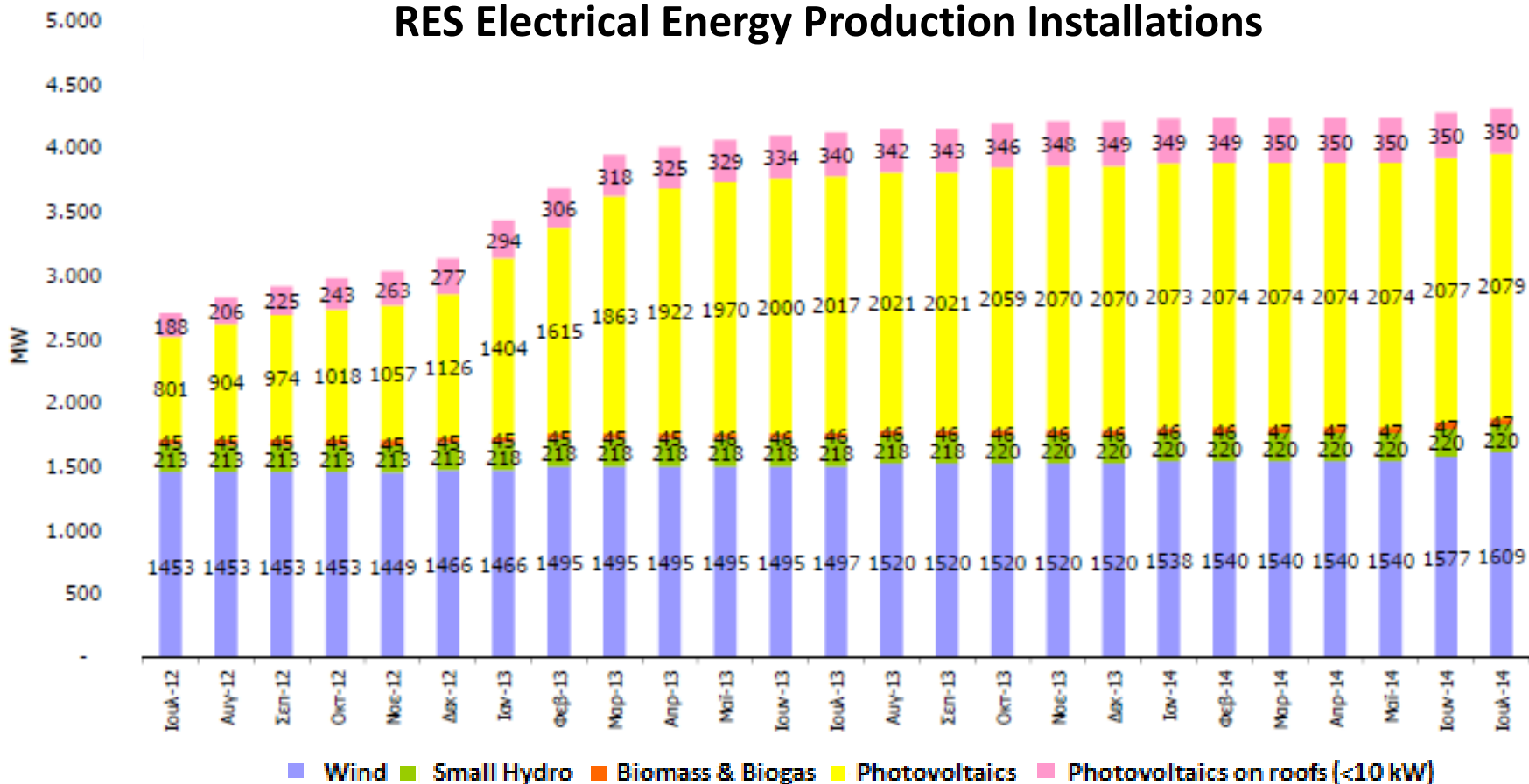
RES Greek Statistics [2/3]



Source: Monthly Energy Report, July 2014, Independent Power Transmission Operator

RES Greek Statistics [3/3]

RES Electrical Energy Production Installations



Source: Monthly Energy Report, July 2014, Independent Power Transmission Operator

Section

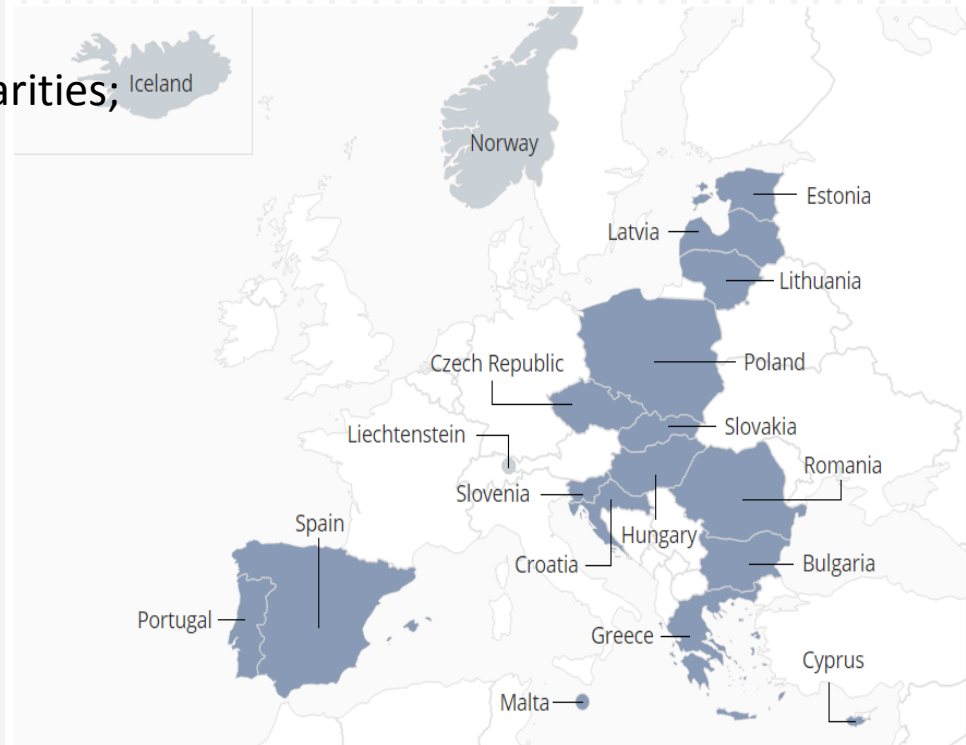
Overview of the GR03 Programme

EEA Grants: General

- European Economic Area (EEA) Grants are jointly financed by **Iceland, Liechtenstein & Norway**
- Contributing to the:
 - Reduction of economic & social disparities;
 - Strengthening bilateral relations.



16 EU countries in Central & Southern Europe



Move your cursor over each country to see key facts and make a click to visit the country page.

- Donor countries
- Beneficiary countries

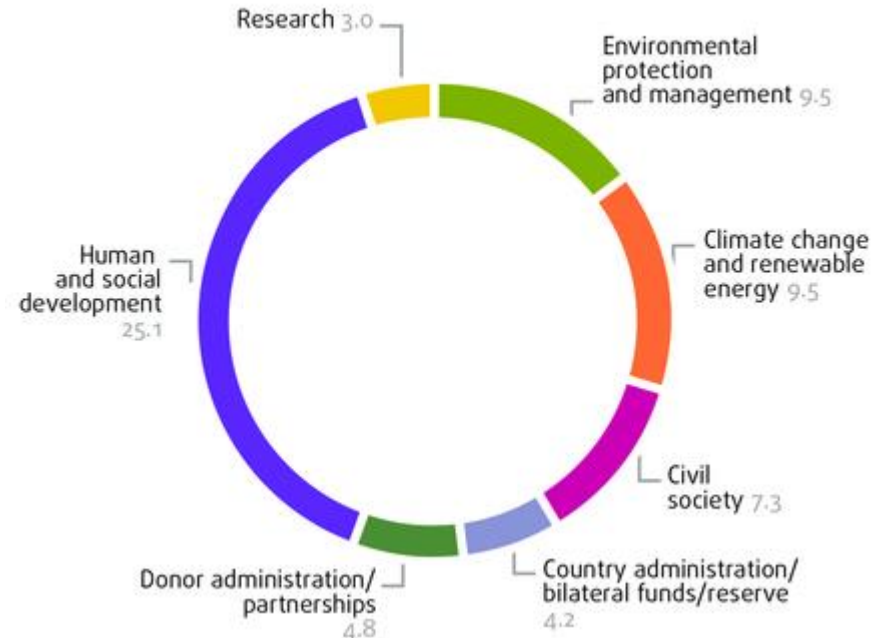
EEA Grants: 2009-2014 Programs

✚ **€993.5 million** (Norway 95.8%, Iceland 3.0% & Liechtenstein 1.2%)

EEA GRANTS 2009-2014



DISTRIBUTION OF FUNDING (gross allocations)



✚ **Greece → €63.4 million**

✚ **€9.5 million → Renewable Energy**

EEA Grants: 2009-2014 RES Programs

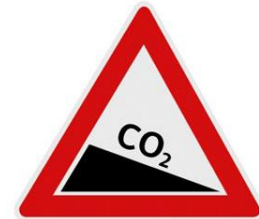
- Targets: Increasing the share of renewable energy in energy use and to meeting ambitious EU targets on climate and energy.
- Portugal: “GAla Programme” → geothermal energy in the Azores Islands (on-going).
- Poland: Educational and promotional activities in the field of energy efficiency and use of renewable energy including the environmentally friendly houses (on-going).
- Malta: Development of an algae-derived bio-fuel production plant → It uses the CO₂ from the flue gas emissions of a landfill gas treatment plant as feedstock for growing microalgae from which bio-fuel can be produced (on going).
- Hungary: Geothermal Based District Heating Systems – Replacing Existing Fossil Fuel Based District Heating (on going).

GR03 Program: General

- ✚ Program Area: “Renewable Energy”
- ✚ Budget: 11,188,235 €
 - EEA-EFTA states (Iceland, Lichtenstein and Norway) by 85 %: 9,510,000 €
 - Public Investment Program of Hellenic Republic by 15 %: 1,678,235 €
- ✚ Target: Increase the share of RES in energy generation and consumption while at the same time to reduce the GHG emissions
- ✚ Outcome: **A less carbon-dependent economy**

GR03 Program: Objectives

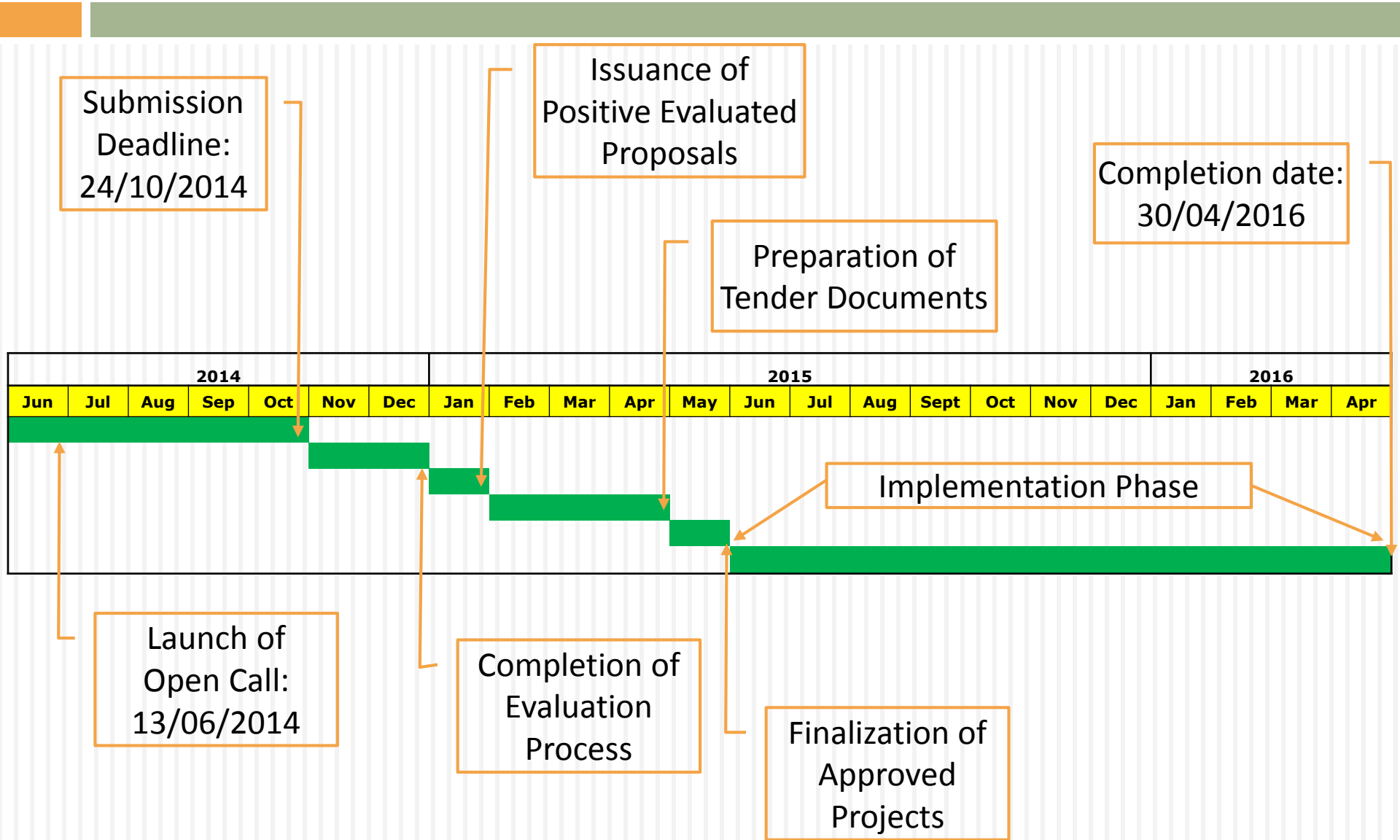
- Realization of demonstrative RES projects in Greece
- Increase of RES share in energy use in Greece
- Reduction of CO₂ emissions
- Promotion and familiarization of inhabitants with sustainable practices
- Mitigation of socio-economic disparities
- Strengthening of bilateral cooperation in the area of RES



GR03 Program: CRES' Role

- ✚ The **Centre for Renewable Energy and Saving (CRES)** is appointed as Program Operator (PO):
 - The Joint Ministerial Decision on the Management and Control System for the implementation of the European Economic Area (EEA) Financial Mechanism (FM) 20009-2014 (OJ 781/B/28.03.2014)
 - The decision of Minister of Development and Competitiveness of 15-04-2014 about «Co-financing Centre of Renewable Energy Sources and Saving (CRES), which is supervised by the Ministry of Environment, Energy and Climate Change, as Programme Operator of GR03 – Renewable Energy under the Programme Area “Renewable Energy” (OJ 948/B/15.04.2014)

GR03 Program: Timeline



GR03 Program: Potential Project Promoters

- ✦ Public entities acting towards public interest (legal entities under public or private law), being established and operating within the Greek geographical borders
- ✦ The proposal may be submitted by Partnership Schemes with Domestic or/and Foreign Partners ensuring and documenting complementarity in realizing the overall objectives of the proposal
 - In case of partnership, the Project Promoter signs the Application Proposal and submits it together with the Programme Agreement/Partnership Agreement (Annex A.1), as well as the required enclosed documents for both/all contracting parties mentioned in Article 6 of the present open call
 - In case of a partner participation into the partnership for specialized expertise transfer, then this should take into consideration the rules of fair competition
- ✦ EU & national rules on public procurement and state aid shall be complied with at all levels of the Programme

Section

GR03 Program: Interventions



GR03 Program: Projects' Categories

✚ Eligible proposals can belong to only one of the following categories:

■ Category 1 – RES integrated actions in local “Communities” 7,963,111 €



■ Category 2 – RES integrated actions in a “Small island” 1,701,548 €



GR03 Program: “Community” & “Small Island”

☩ “Community”:

- an area of intervention/action concerning one or more buildings, one or more building complexes, one or more installations/areas or combination of all these, provided that they adjoin each other
- buildings/complexes/installations/areas operating in the same activity field (e.g. educational and research institutions, public buildings, etc.)

☩ “Small Island”:

- any area of land surrounded by sea, having a residential population but having no permanent connection to the mainland while not including state capital
- an island with residential population between 50 to 5,000 inhabitants

The residential population of an island is defined as the permanent population of the whole geographical area of the island according to the 2001 census.

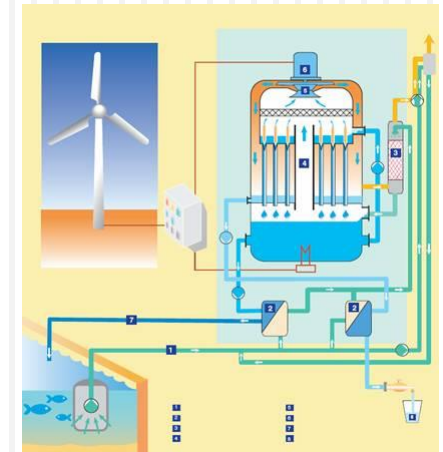
Indicative Interventions of Category 1 (Local Community)

- Geothermal heat pumps, solar thermal systems and biomass systems for covering heating and cooling loads
- Use of RES technologies for electricity generation and use in installations such as waste water treatment systems, desalination units, water pumping, lighting etc
- Use of RES stations for charging electric vehicles
- Use of RES for power needs of marinas, small ports etc
- Storage and energy management systems
- Other relevant RES interventions contributing to the Program's objectives



Interventions of Category 2 (Small Island)

- Use of RES stations for charging electric vehicles
- Use of RES for electricity supply of marinas, small ports and processes such as waste water treatment, desalination units etc
- RES systems integration in buildings



Section

GR03 Program: Eligible Cost Categories



GR03 Program: Basic Instructions

- ➊ Each project included into the Programme will be funded up to 100%
- ➋ **Category 1:** The eligible budget varies from **1,000,000** up to **3,000,000 €** per project of Project Promoter
- ➌ **Category 2:** The maximum eligible budget is **1,701,548 €**
- ➍ Have alignment with state aid rules.
- ➎ Each project shall not generate profits during its operation period.
- ➏ The costs for every Project are eligible until April 30, 2016.

GR03 Program: Cost Categories

Cost Category	Eligible rate range
Interventions	87 – 95.5
Consultants' fees	0 – 8.5
Metering equipment	1.5 (<i>obligatory</i>)
Training, Dissemination, Networking, Information and Publicity Actions	3.0 (<i>obligatory</i>)

GR03 Program: Interventions Cost

- ✚ Procurement of new equipment and not used materials
- ✚ When the entire purchase price is eligible, there are 4 conditions for each Project Promoter:
 - To keep it in its ownership for at least 5 years after the project's completion;
 - To continue to use it for the benefit of the overall objectives of the project for at least 5 years after the project's completion;
 - To keep it properly insured against losses such as fire, theft and other normally insurable incidents both during project implementation and for at least 5 years following the project's completion;
 - To set aside appropriate resources for its maintenance for at least 5 years following the project's completion.

GR03 Program: Consultant's Cost

- ✚ Providing specialized scientific services to the Project Promoter for:
 - growing up interventions;
 - design and submit interventions;
 - advisory support during the Project's monitoring and implementation.
- ✚ The consultant fee may include:
 - Preparing the proposal & Interventions implementation: $\leq 15,000 \text{ €} + \text{VAT}$ ($\leq 0.5 \%$ of the proposal's total budget);
 - Specialized research and measurements;
 - Detailed design of project's systems and subsystems;
 - Reporting-recording and assessment before and after project realization ;
 - Support for acquiring the necessary approvals and licenses.
- ✚ Give emphasis on engaging local force of new scientists and engineers.

GR03 Program: Metering Equipment Cost

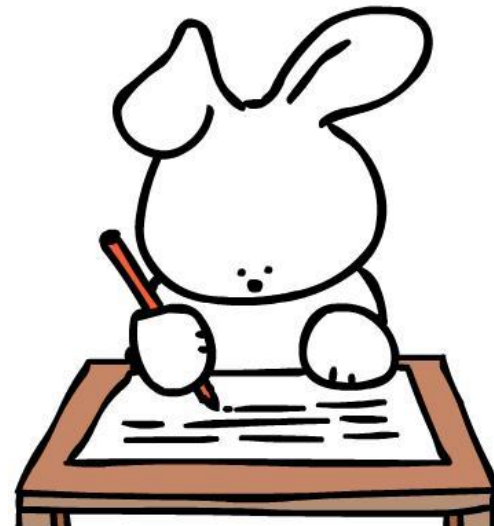
- ⊕ A mandatory project's component & cost category
- ⊕ Expenditures to Purchase and Install equipment for measuring the energy consumption derived from RES to verify Project's output
- ⊕ When the entire purchase price is eligible, the 4 conditions mentioned under "Interventions" before, apply

GR03 Program: Training, Dissemination, Networking, Information and Publicity Actions

- ✚ A mandatory project's component & cost category
- ✚ Including:
 - Promotional actions concerning Project's objective and benefits
 - Informing and raising awareness of the local community
 - Participatory planning together with stakeholders during the preparation of Project's implementation
- ✚ Via communication channels like:
 - Portal development
 - Information material (leaflets, prints, brochures, DVDs etc.)
 - Organization of information events
- ✚ A 20% of this cost category should be necessarily cover the production of material for people with disabilities (Braille prints, DVDs).

Section

GR03 Program: Proposals Preparation & Submission



Files to be Submitted [1/3]

- ✚ The submitted proposal must include two discrete files:
 - FILE A – TYPICAL SUPPORTING DOCUMENTS
 - FILE B – TECHNICAL DETAILS
- ✚ The FILE A must include:
 - Partnership Agreement (if such one exists) (Annex A.1)
 - Proposal Application Form (Annex A.2)
 - Documentation of Competency of Project Promoter/Partnership
 - Documentation that the Project Promoter has the competence to submit the Project proposal, such as program agreement, constitution act, etc.
 - Decision by the authorized administrative body (City/Regional/Rector's Council, etc.) for accepting invitation terms & approving the participation to the Program
 - Proof that both the Project Promoter & Partners will have to reserve the right to realize projects/interventions in real estate/area/facilities, supporting documents of ownership, as well as relevant license(s) (building permit, others)
 - Certification of insurance and tax status and awareness of Project Promoter
 - CVs of those involved in the project & decision on appointment of project manager

Files to be Submitted [2/3]

✚ The FILE A must include:

- Testimonial for non-generating revenues (Annex A.6)
- Project Promoter's testimonial for not funding the Project's envisaged actions by other sources (EU Structural Funds, Cohesion Fund, INTERREG, PIP, purely national funds etc.) (Annex A.7)
- Project Promoter's Solemn Declaration that he will comply with national and European rules
- Project Promoter's Solemn Declaration that for the real estate where the interventions are going to be implemented, the expenditure for additional static reinforcement borne by the Beneficiary
- Any other required relevant decision by official body or supervisory authority
- Project Promoter's Statement that if notified by the PO CRES, he will provide within three (3) months all the required licensing and approval for the Project's implementation as well as the necessary Project's tender documents

Files to be Submitted [3/3]

✚ The FILE B must include:

- Technical Details Form – Category 1 – RES integrated actions in local “Communities” (Annex A.3.1), or
- Technical Details Form – Category 2 – RES integrated actions in a “Small island” - Predefined Project (Annex A.3.2)
- Table with the licensing and approvals required for the Project implementation (Annex A.4)

Way & Place of Submission

- ✦ Submission is in Greek language
- ✦ Deliverables:
 - Hard copy: typed A4 pages
 - Soft copy: CD, DVD, etc
 - Texts must be in WORD format and tables in EXCEL format
- ✦ Each file must have a table of contents along with the full details (email, phone, fax, address) of the Project Promoter's representative and the Project's contact person
- ✦ All necessary documents & forms to be filled & submitted are available through the Program's dedicated website, <http://eeares.cres.gr>
- ✦ Proposals must be submitted to the Programme Operator - CRES, at 19th km Marathonos Avenue, PC 190 09, Pikermi, Attiki, Greece (working days from 09:00 to 16:00)

Section

Proposals Evaluation



Evaluation Process



Stage A: Administrative & Eligibility Verification

✚ Completeness Documents & Typical Requirements (Files A & B)

- Audit by CRES staff
- A set of administrative & eligibility criteria (Binary: YES/NO)

No	Description
1	Proposal Application Form
2	Partnership Agreement
3	Documentation of Project Promoter/Partnership Competency
4	Testimonial for non-generating revenues
5	Testimonial for not funding the Project's envisaged actions by other sources
6	Solemn Declaration for compliance with national and European rules
7	Solemn Declaration for the real estate
8	Statement to provide within 3 months all the required licensing
9	Statement to provide within 3 months the necessary tender documents
10	Technical Details Sheet
11	Table of Licensing/Approvals
12	Any other relevant decision

✚ To take positive evaluation in Stage A, all criteria must be covered (YES)

Stage B: Proposals Evaluation

- ⊕ Pool of Independent Reviewers/Experts (after open call procedure)
- ⊕ Proposals assignment through an electronic draw procedure
- ⊕ Each proposal is evaluated by 2 Reviewers
- ⊕ If a more than 30% deviation appears, a 3rd Reviewer is engaged
- ⊕ 3 main categories of Criteria:
 - Category A - Completeness, clarity and feasibility of the proposal
 - Category B - Compliance with national and EU rules
 - Category C - Project maturity

Evaluation Criteria Category A

Proposal's completeness, clarity & feasibility

No	Description	Type
A1	Criticality of the problem treated with the implementation of the proposed Project	Scale
A2	Realism of project's objectives in relation to the actions and interventions to be implemented	Scale
A3	Quality and integrity of the proposal to be evaluated (clarity: materials and solutions proposed, project organization, risk management plan, Training, Dissemination, Networking, Information and Publicity plan)	Scale
A4	Cost effectiveness of the proposal	Scale
A5	Contribution to Society	Scale
A6	Budget realism in relation to the physical scope	Scale
A7	Project's contribution in achieving the objectives of EEA FM 2009-2014	Binary
A8	Project's contribution in achieving Program's Indicators	Binary
A9	Realistic time schedule for Project's completion	Binary

Evaluation Criteria Category B

Compliance with national and European rules

No	Description	Type
B1	Compliance with national and EU legislation concerning public works contracts, studies, procurements and services as well as state aids	Binary
B2	Compliance with national and EU legislation concerning energy and environment	Binary
B3	Compliance of gender equality, opportunities and non-discrimination in employment	Binary
B4	Compliance with the rules ensuring accessibility for people with disabilities	Binary

Evaluation Criteria Category C

Project maturity

No	Description	Type
C1	Description and documentation of required licensing process	Binary
C2	Project's Operation Plan	Binary

Evaluation Results [1/3]

✚ The proposal's evaluation is characterized as Positive when:

Criteria	Positive Values
A7, A8, A9, B1-4 and C1-2	Positive value "YES"
A1	Score at least 15
A2 (b)	Score at least 6
A4, A5, A6	Score at least 5
A3 (a) (b) (c) (d)	Score at least 2
A2 (d)	Score at least 1,5
A2 (a) (e)	Score at least 1
A2 (c)	Score at least 0,5

Evaluation Results [2/3]

✚ The proposal's evaluation is characterized as **Negative** when:

Criteria	Negative Values
A7, A8, A9, B1-4 and C1-2	Negative Value "NO"
A1	Score less than 15
A2 (b)	Score less than 6
A4, A5, A6	Score less than 5
A3 (a) (b) (c) (d)	Score less than 2
A2 (δ)	Score less than 1,5
A2 (a) (e)	Score less than 1
A2 (c)	Score less than 0,5

Evaluation Results [3/3]

- Completion of Stages A & B
- Approval by Selection Committee
- Rank in descending order
- Opinion of Unit D "Competition and State Aid" of Special Coordination of Implementation of Assistant Programs of the National Coordination Office, for their compliance with the rules on competition and state aid
- Issuance of final decision on which projects shall be supported.
- PO will notify the Potential Project Promoters about the results of the selection process (acceptance/rejection) and publicise them

Section

Technical Details Forms



1: Community or Small-island characteristics

- ⊕ **Identity: Municipality, Region, Population, etc.**
- ⊕ **General information, e.g. accessibility and visiting frequency, etc.**
- ⊕ **RES potential based on official sources**
- ⊕ **Economic activities, e.g. tourism, agricultural data, etc.**
- ⊕ **Infrastructure and networks (power, transportation, water, etc.)**
- ⊕ **Limitations**

Name	
Municipality	
Municipal Community	
Regional Unit	
Region	
Total area (m²)	

Hotels	
Lodgings	
Beds:	
Occupancy rate (%):	
Average overnight stays:	
Greek tourists	
Foreign tourists	

Water Supply Data	Quantity (m³)
Annual Potable Water Demand (for residential use and in total)	
Water produced through desalination	
Water pumped from boreholes	
Daily potable water demand throughout the year (average, minimum, maximum)	

3: Buildings, spaces, facilities where interventions will take place – Future situation [1/7]

- ⊕ **Strategic plan**
- ⊕ **Goals' analysis (e.g. justification of the selection of the specific intervention areas, demonstrative character of the planned project)**
- ⊕ **Estimated benefits (e.g. Entrepreneurship opportunities and job creation, Improvement of quality of life, upgrade of economic activities, etc.).**
- ⊕ **SWOT analysis.**
- ⊕ **Risk analysis (project related risks and contingency plans).**

3: Buildings, spaces, facilities where interventions will take place – Future situation [2/7]

Intervention Analysis

....For each intervention area:

Estimation of consumption of RES-produced electricity and intervention cost

Suggested technology	Unit Number	Equipment description (panels, batteries, etc.)	Nominal power/Unit (kW)	Total nominal power (kW)	Area (m ²)	Annual consumption of RES produced electrical energy (MWh/y)	Total cost (€)
Building code number: E.g. DK1							
E.g. PVs							
E.g. Wind turbines							
.....							
TOTAL1							
Building code number: E.g. DK2							
.....							
TOTAL2							
Other buildings							
.....							
TOTAL						A1 =.....	B1=.....

3: Buildings, spaces, facilities where interventions will take place – Future situation [3/7]

Intervention Analysis

....For each intervention area:

Estimation of consumption of RES-produced thermal energy and intervention cost

Suggested technology	Action description	Size (e.g. area, No. Of units)	Annual consumption of RES produced thermal energy (MWh/y)	Total cost (€)
Building code name: E.g. DK1				
SOLAR THERMAL (Heating, DHW, combi system)				
GEO THERMAL (Heating, cooling, DHW)				
Biomass (Heating, DHW)				
OTHER (Describe)				
TOTAL1				
Building code name: E.g. DK2				
SOLAR THERMAL (Heating, DHW, combi system)				
GEO THERMAL (Heating, cooling, DHW)				
Biomass (Heating, DHW)				
OTHER (Describe)				
TOTAL2				
OTHER BUILDINGS				
.....				
TOTAL			A2=.....	B2=.....

3: Buildings, spaces, facilities where interventions will take place – Future situation [5/7]

Estimated indicators

- ⊕ **ANNUAL TOTAL CONSUMPTION OF RES PRODUCED ELECTRICAL ENERGY**
(MWh/y)
- ⊕ **ANNUAL TOTAL CONSUMPTION OF RES PRODUCED THERMAL ENERGY**
(MWh/y)
- ⊕ **ANNUAL TOTAL REDUCTION OF CO2 EMISSIONS (tn/y)**

Section 3: Buildings, spaces, facilities where interventions will take place – Future situation [6/7]

Additional subsections:

- ⊕ **Training actions, dissemination, networking and publicity**
- ⊕ **Measuring equipment**
- ⊕ **Consultants**

Remarks

- The methodology should be fully described.
- Any methodology scientifically valid is considered acceptable. The study methods and the technical data used should be supported by official literature sources which should be listed in the proposal text.
- 2012 is set as the base year for calculations.
- In tables where transforming coefficients are required, e.g. for transforming the final into primary energy consumption, the coefficients used should be taken by official literature sources which should be listed in the proposal.
- The data should be supported by analytical tables which include consumption data and estimated emissions under as least as possible time step, e.g. per month.

PO CRES Project Team

- ✦ Dr. Dimitris Papastefanakis, Director of Division of Development Programs
- ✦ Markos Damasiotis, Head of Development Project Applications
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CRES, Sounio

Thank you for your Attention!

