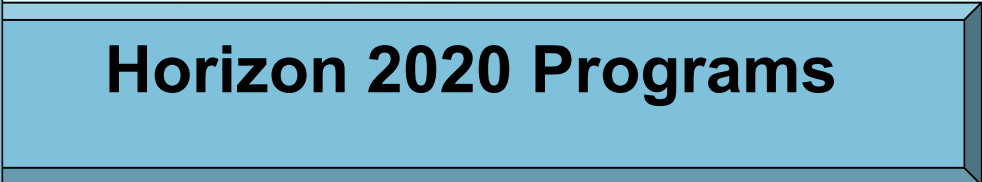


EU-MPC Cooperation Funding Opportunities

Mediterranean Activities for
Research and Innovation in the
Energy Sector



By: Hamdy El-Ghetany
National Research Centre



(3) main pillars of Horizon 2020 and their funding

Excellent Science 31,7%

Societal challenges 38,5%

Industrial leadership 22,1%

Excellent Science 31,7%

European Research Council (ERC)

**Marie Skłodowska-Curie Actions
(AMSC)**

**Future and emerging technologies
(FET)**

Research infrastructures

Societal challenges 38,5%

Secure, clean , efficient energy and Renewable energy

Food security, sustainable agriculture and forestry,

Water availability and management

Climate action, environment, resource efficiency and raw materials

Smart, green and integrated transport

Fighting diseases and improving Health

Industrial leadership 22,1%

Information & Communication Technologies (ICT)

Key enabling technologies (KET)

SME innovation

EU-MPC Cooperation Funding Opportunities



International workshop in Athens , Feb. 22-23 2016

OPEN CALLS

NO.	PROPOSAL NAME	DEAD LINE	OPENING DATE
1	EIT-Food:Food4Future - Sustainable Supply Chain from Resources to Consumers	14 July 2016	14 Jan. 2016
2	<u>ENG-GLOBALLY-09-2016:Centres/Networks of European research and innovation</u>	14 April 2016	08 Dec. 2015
3	<u>MSCA-NCP-2017:MSCA National Contact Points</u>	04 May 2017	10 Jan. 2017
4	<u>MSCA-RISE 2017:Research and Innovation Staff Exchange</u>	05 April 2017	01 Dec. 2016
5	<u>MSCA-RISE-2016:Research and Innovation Staff Exchange</u>	28 April 2016	08 Dec. 2015
6	<u>NFRP 9:Impacts of low dose radiation exposure</u>	05 October 2016	11 May 2016
7	<u>SC5-11-2016:Supporting international cooperation activities on water</u>	08 March 2016	10 November 2015

OPEN CALLS

NO.	PROPOSAL NAME	DEAD LINE	OPENING DATE
8	<u>SFS-41-2016:EU-Africa Research and Innovation partnership on food and nutrition security and sustainable agriculture</u>	17 February 2016	27 October 2015
9	<u>SFS-42-2016:Promoting food and nutrition security and sustainable agriculture in Africa: the role of innovation</u>	17 February 2016	27 October 2015
10	<u>SFS-43-2017:Earth observation services for the monitoring of agricultural production in Africa</u>	14 February 2017	04 October 2016
11	<u>SwafS-23-2017:Responsible Research and Innovation (RRI) in support of sustainability and governance, taking account of the international context</u>	30 August 2017	12 April 2017
12	CALL FOR CHALLENGES, PROBLEMS AND IDEA BY WAITRO and Fraunhofer	Feb-29-2016	Jan-15-2016

OPEN CALLS

NO	PROPOSAL NAME	DEAD LINE	OPENING DATE
13	<u>EE-01-2017: Waste heat recovery from urban facilities to re-use to increase energy efficiency of district or individual heating and cooling systems</u>	17 February 2016	27 October 2015
14	EE-02-2017: Improving the performance of inefficient district heating networks	07-06- 2017	

MARE Pillars - EU-MED Network

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graph TD; A[MARE Pillars - EU-MED Network] --> B[MARE Open Calls Catalogue];
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MARE Open Calls Catalogue

International workshop in Athens , Feb. 22-23 2016

Topic	<u>EEB-06-2017:Highly efficient hybrid storage solutions for power and heat in residential buildings and district areas, balancing the supply and demand conditions</u>
Call	Call for Energy-Efficient Buildings
Call identifier	H2020-EEB-2016-2017
Programme Name	HORIZON 2020
Types of action	RIA Research and Innovation action
H2020 Pillar	Industrial Leadership
Work Programming Year	H2020-2016-2017
Work Programming Part	<u>Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing</u>
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Opening date	20 September 2016
Deadline	19 January 2017 17:00:00
Approx. budget per project	1-2 million (from EU)
Budget (EUR) - Year : 2017	54,000,000 (for a number of EEB topics)
MARE Pillar	RES Microgrids RES Water Desalination EE in Buildings
Eligible participating countries (/regions)	A list of countries eligible for funding are described in details in: http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf

Topic	<u>EE-13-2016: Cost reduction of new Nearly Zero-Energy buildings</u>
Call	Call for Energy-Efficient Buildings
Call identifier	H2020-EEB-2016-2017
Programme Name	HORIZON 2020
Types of action	CSA Coordination and support action
H2020 Pillar	Societal Challenges
Work Programming Year	H2020-2016-2017
Work Programming Part	<u>Secure, Clean and Efficient Energy'</u>
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Opening date	20 September 2016
Deadline	15/09/2016
<u>Approx. budget per project</u>	1-2 million (from EU)
Budget (EUR) - Year : 2017	30,000,000 (for a number of EEB topics)
MARE Pillar	RES Microgrids RES Water Desalination EE in Buildings
Eligible participating countries (/regions)	A list of countries eligible for funding are described in details in: http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf

Topic	<u>EE-21-2016: ERA-NET Cofund actions supporting Joint Actions towards increasing energy efficiency in industry and services</u>
Call	Call for Energy-Efficient Buildings
Call identifier	H2020-EEB-2016-2017
Programme Name	HORIZON 2020
Types of action	ERA-NET-Cofund
H2020 Pillar	Societal Challenges
Work Programming Year	H2020-2016-2017
Work Programming Part	<u>Secure, Clean and Efficient Energy'</u>
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Planned Opening date	15 March 2016
Deadline	15 September 2016 17:00:00
<u>Approx. budget per project</u>	5 million (Cofund)
Budget (EUR) - Year : 2017	5,000,000 (for a number of EEB topics)
MARE Pillar	RES Microgrids RES Water Desalination EE in Buildings
Eligible participating countries (/regions)	A list of countries eligible for funding are described in details in: http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf

Topic	<u>LCE-11-2017:Near-to-market solutions for reducing the water consumption of CSP Plants</u>
Call	<u>H2020-LCE-2016-2017</u>
Call identifier	LCE-11-2017
Programme Name	HORIZON 2020
Types of action	IA Innovation action
H2020 Pillar	Societal Challenges
Work Programming Year	H2020-2016-2017
Work Programming Part	<u>'Secure, Clean and Efficient Energy'</u>
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Planned Opening date	11 May 2017
Deadline	07 September 2017 17:00:00
Approx. budget per project	3:4 million
Budget (EUR) - Year : 2017	12,000,000 (for a number of EEB topics)
MARE Pillar	RES Microgrids RES Water Desalination EE in Buildings
Eligible participating countries (/regions)	A list of countries eligible for funding are described in details in: <u>http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf</u>

Topic	<u>LCE-12-2017:Near-to-market solutions for the use of solar heat in industrial processes</u>
Call	<u>H2020-LCE-2016-2017</u>
Call identifier	LCE-12-2017
Programme Name	HORIZON 2020
Types of action	IA Innovation action
H2020 Pillar	Societal Challenges
Work Programming Year	H2020-2016-2017
Work Programming Part	<u>'Secure, Clean and Efficient Energy'</u>
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Planned Opening date	11 May 2017
Deadline	07 September 2017 17:00:00
Approx. budget per project	3:4 million
Budget (EUR) - Year : 2017	8,000,000 (for a number of EEB topics)
MARE Pillar	RES Microgrids RES Water Desalination EE in Buildings
Eligible participating countries (/regions)	A list of countries eligible for funding are described in details in: <u>http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf</u>

Possible Funding Resources in EU and MED Countries

Programme Name	HORIZON 2020
H2020 Pillar	Excellent Science
Work Programming Year	H2020-2016-2017
Work Programming Part	Marie Skłodowska-Curie Actions
Call	MARIE SKŁODOWSKA-CURIE RESEARCH AND INNOVATION STAFF EXCHANGE
Call identifier	H2020-MSCA-RISE-2017
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Opening date	01 December 2016
Deadline	05 April 2017 17:00:00
Budget (EUR) - Year : 2017	80,000,000
MARE Pillar	All Pillars

Possible Funding Resources in EU and MED Countries

Programme Name	HORIZON 2020
H2020 Pillar	Excellent Science
Work Programming Year	H2020-2016-2017
Work Programming Part	Marie Skłodowska-Curie Actions
Call	MARIE SKŁODOWSKA-CURIE CO-FUNDING OF REGIONAL, NATIONAL AND INTERNATIONAL PROGRAMMES
Call identifier	H2020-MSCA-COFUND-2016
Publication date	14 October 2015
Open / Forthcoming / Active	Forthcoming
Deadline Model	single-stage
Opening date	14 April 2016
Deadline	29 September 2016 17:00:00
Budget (EUR) - Year : 2017	30,000,000 for MSCA-COFUND-DP Doctoral programmes 50,000,000 for MSCA-COFUND-FP Fellowship programmes
MARE Pillar	All Pillars

ERA-NET MED

- Public-public partnership (EU-Med co-ownership)
- <http://www.eranetmed.eu/>



*ERANETMED is funded by the European Commission's
7th Framework Programme*

ERANETMED

CALL PRE ANNOUNCEMENT

**ERANETMED JOINT CALL ON
Renewable Energies, Water Resources and their connections for the
Mediterranean Region**

International workshop in Athens , Feb. 22-23 2016

1. About ERANETMED

The ERA-NET scheme is an instrument of the European Commission's Seventh Framework Programme providing funding to improve the cooperation and coordination of national research activities and thus strengthen the European Research Area (ERA) with other regions of the world.

ERANETMED co-funded by the following Euro-Mediterranean countries:

Algeria, Cyprus, Egypt, France, Jordan, Greece, Germany, Italy, Lebanon, Malta, Morocco, Portugal, Tunisia, Turkey, Spain.

Projects must address only one main Theme: **Renewable Energy or Water or Water-Energy Nexus.**

- **Renewable energies and energy efficiency**
- **Water resources management**
- **ENERGY-WATER nexus**

Renewable energies and energy efficiency

a. Hybrid renewable energy system integration

b. Smart Micro-grids

c. Renewable energy and energy efficiency for smart and rural communities

Water resources management

a. Integrated water management from the catchment to coastal zone

b. Integrated water use efficiency

c. Water reuse in agriculture

d. Water desalination

(ENI CBC Med 2014-2020)

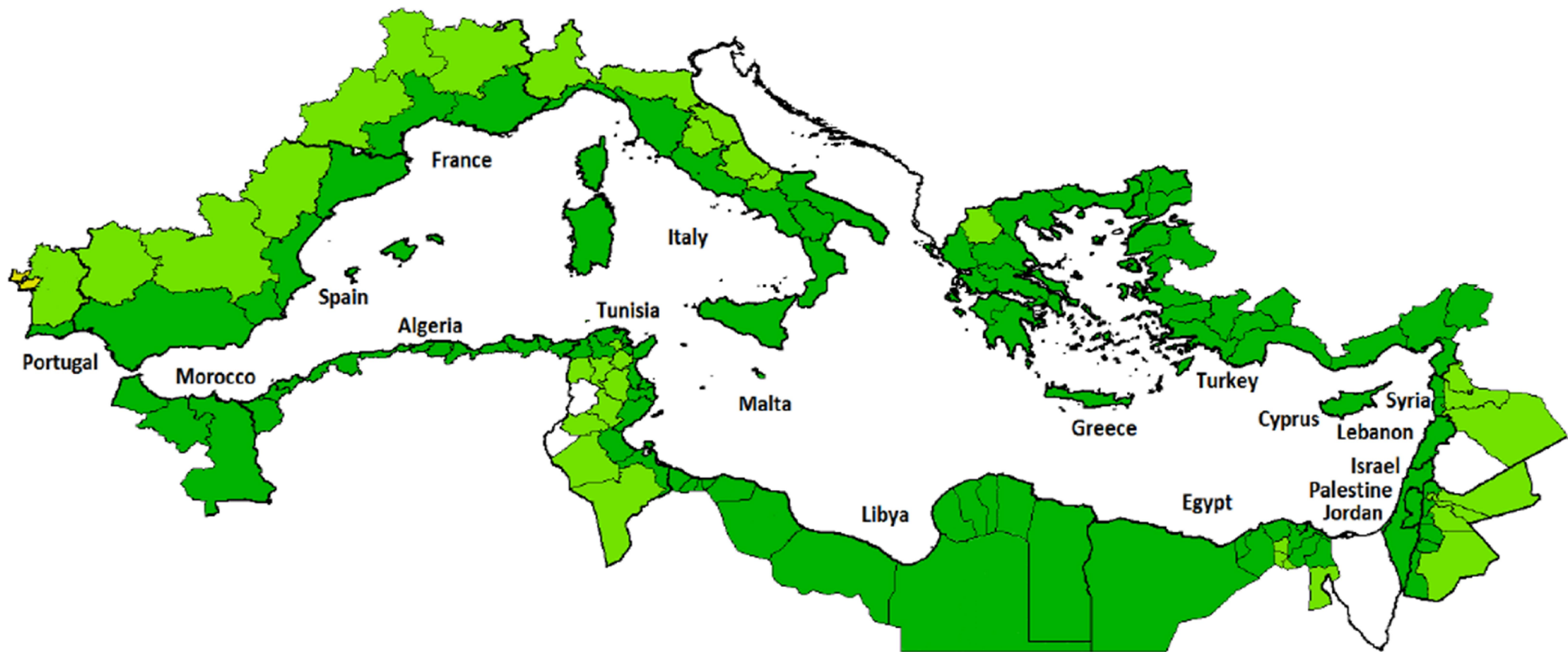
CROSS BORDER COOPERATION WITHIN THE EUROPEAN
NEIGHBOURHOOD INSTRUMENT (ENI)



The ENP is supported by substantial EU financial assistance. Nearly **€12 billion** in grants were provided under the 2007-2013 European Neighbourhood and Partnership Instrument (ENPI). For the period 2014-2020, a new European Neighbourhood Instrument (ENI) will succeed the ENPI. **With a budget of €15.4 billion**, the ENI will provide the bulk of funding to the 16 partner countries covered by the ENP.

1.3 MAP OF THE COOPERATION AREA

- Eligible regions ■
- Adjoining ■
- Major centers ■



LIFE (2014-2020)

The LIFE (the Financial Instrument for the Environment and Climate Action) Regulation, which was published on 20 December 2013, sets a budget for the funding period 2014–2020 of €3.4 billion in current prices.

Indicative planning for the 2016 LIFE Call

08 February 2016 The 2016 LIFE Call is provisionally planned to be published during the second half of May. Please find below an indicative timetable for the call:

INDICATIVE PLANNING FOR THE LIFE CALL 2016				
Project type	Subprogramme/ priority objective	Deadline	Indicative Budget (EUR)	Submission route
Traditional projects	Climate (all objectives: CCA, CCM and GIC)	07-Sep-16	239,000,000	eProposal
	Environment (ENV - Environment and Resource Efficiency)	12-Sep-16		
	Environment (NAT - Nature and Biodiversity and GIE - Environmental Governance and Information)	15-Sep-16		
Preparatory Projects	Environment*	20-Sep-16	1,920,000	paper to DG ENV
Technical Assistance Projects	Environment	20-Sep-16	800,000	paper to DG ENV
Technical Assistance Projects	Climate	20-Sep-16	160,000	paper to EASME
Integrated Projects	Environment	26-Sep-16	79,200,000	paper to DG ENV
Integrated Projects	Climate	26-Sep-16	16,000,000	paper to EASME

MedSpring

- EU-Mediterranean INCONET project
- <http://www.medspring.eu/>

The MedSpring project, supported by the European Union with the aim of strengthening the Euro-Mediterranean dialogue and cooperation on research and innovation. Its aim is to open dialogue on research and innovation on some of the societal challenges of the Mediterranean region: water, food, and energy.

maghrenov

- Support to EU-Med Innovation space on Renewable energies
- <http://www.maghrenov.eu/>

MAGHRENOV is a FP7 project addressing Mediterranean innovative markets in the field of Renewable Energies, Energy Efficiency (RE&EE)

FP4BATIW

- Water treatment management
- <http://www.fp4batiw.eu/>

FP4BATIW is a coordination and support action addressed to foster partnerships and networking for best available water treatment technologies implementation in the MPC region by promoting the interaction between highly qualified members for both EU and MPC

R2B2R

Research2Business2Research (R2B2R) is an exchange activity aiming to expand the skills of the MPC organizations on water treatment sector. FP4BATIW offers travels (from MPC to EU and from EU to MPC).

9 candidates selected in the second R2B2R call (from EU to MPC)

5 researchers selected in the first R2B2R call (from MPC to EU)

If you are interested, please complete the form from the link below:

<http://www.fp4batiw.eu/2015-01-27-12-06-55/r2b2r-applications>



International Bilateral Funding Programs

International workshop in Athens , Feb. 22-23 2016



PROVIDED BY
FRANCE

MISTRALS

(Mediterranean Integrated Studies at Regional And Local Scales)

MISTRALS is an extensive interdisciplinary program of research:

- ▶ On the atmosphere, hydrosphere and lithosphere, To understand and control the mechanisms shaping and influencing the landscape and the environment.

Funding opportunities offered by IRD

(Institute of Research for Development)

IRD provide Capacity Building tools for researchers and research teams

- ▶ **Individual fellowship for a PhD Grant for a PhD thesis**
- ▶ **Individual fellowship : in service training**
- ▶ **Grant for scientific and technology training**



PROVIDED BY
GERMANY



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas

www.research-in-germany.org



PHD STUDENTS Students who have a degree or a comparable qualification that entitles them to pursue doctoral study and who are working on a doctorate.



POSTDOCS/JUNIOR RESEARCHERS Young researchers who hold a doctorate or a qualification that is equivalent to a doctorate.



SENIOR RESEARCHERS Researchers who hold a doctorate or a qualification that is equivalent to a doctorate and have (several years of) relevant (research) experience.

German funding programmes



Senior researchers



Alexander von Humboldt
Stiftung/Foundation



Postdocs/Junior researchers
Senior researchers

DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Postdocs/Junior researchers

DFG



Postdocs/Junior researchers
Senior researchers



Fraunhofer



International workshop in Athens , Feb. 22-23 2016

MARE PROJECT SUGGESTED TWINNING ACTIVITIES

ENGLAND



EGYPT

The Newton-Mosharafa Fund is £20 million, five year science and innovation partnership between the UK and Egypt.

The Fund will cover **three areas of activity**:

- (i) **People:** building the skills and knowledge of British and Egyptian scientists through training and researcher mobility schemes
- (ii) **Programmes:** supporting British and Egyptian scientists conduct joint research projects on development topics
- (iii) **Translation:** ensuring that the research being done in universities and research centres can be commercialised or otherwise harnessed for the benefit of wider society

Thank you for your Attention

By: Hamdy El-Ghetany
National Research Centre

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