



Greek Participation in 2017 Energy calls of Horizon2020

Secure Clean and Efficient Energy

National Hellenic Research Foundation
Monday 15th January 2018

Assoc. Prof. Sotirios Karellas

Greek Delegate at the Energy Committee of Horizon 2020

Expert

Email: sotokar@mail.ntua.gr



GENERAL RESULTS ON THE ENERGY CALLS in 2017:

Eligible proposals in 12 Energy Calls: 611

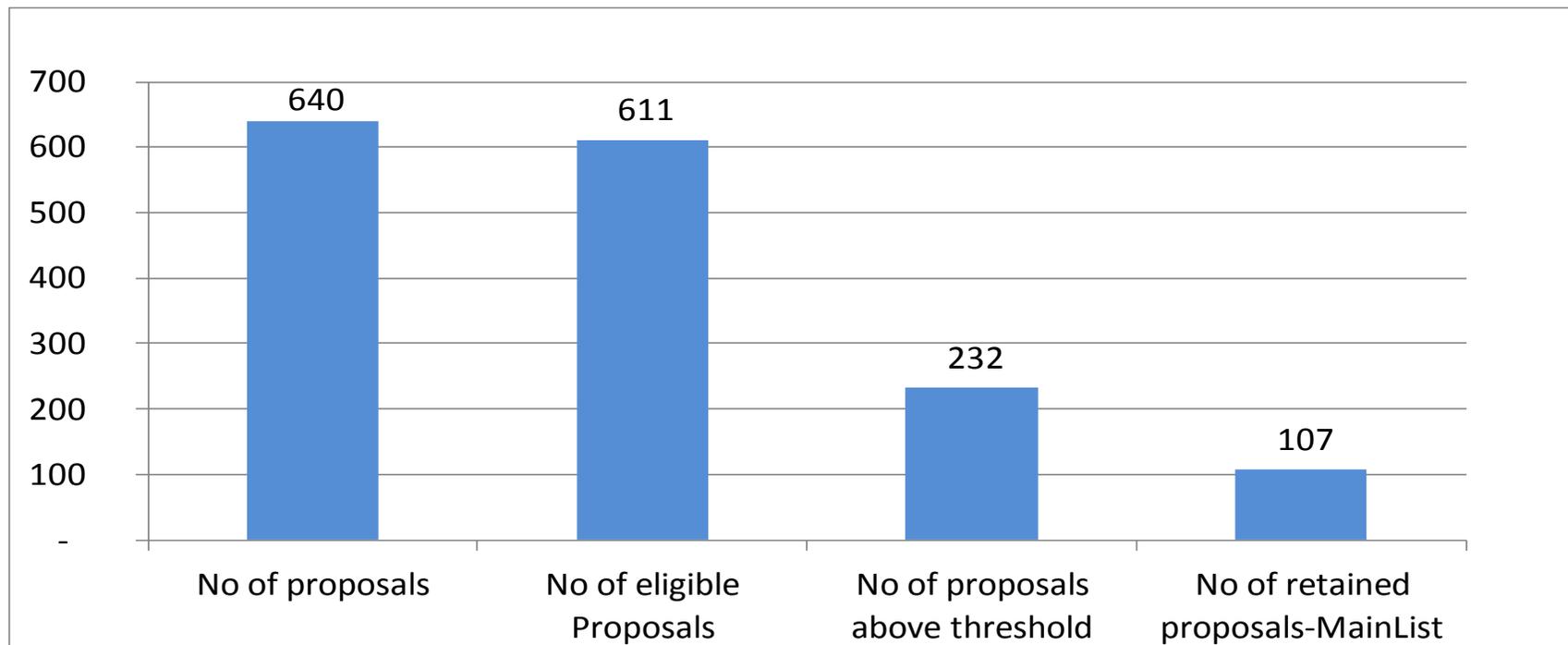
Eligible Proposals in SMEInst Call: 961 from phase II (1530 total)

H2020-EE-2017-1 , H2020-EE-2017-CSA-PPI ,
H2020-IBA-SC3-SUSTAINABLE-ENERGY-2017,
H2020-LCE-2017-ETP, H2020-LCE-2017-RES-CCS-RIA,
H2020-LCE-2017-RES-CSA (2017 Wave 2),
H2020-LCE-2017-RES-IA,
H2020-LCE-2017-RES-RIA-TwoStages, H2020-LCE-2017-SGS,
H2020-LCE-37-2017, H2020-LCE-ERANET-2017
H2020-SCC-2017
SMEInst-09-2016-2017



Greek Participation in Energy calls of Horizon2020

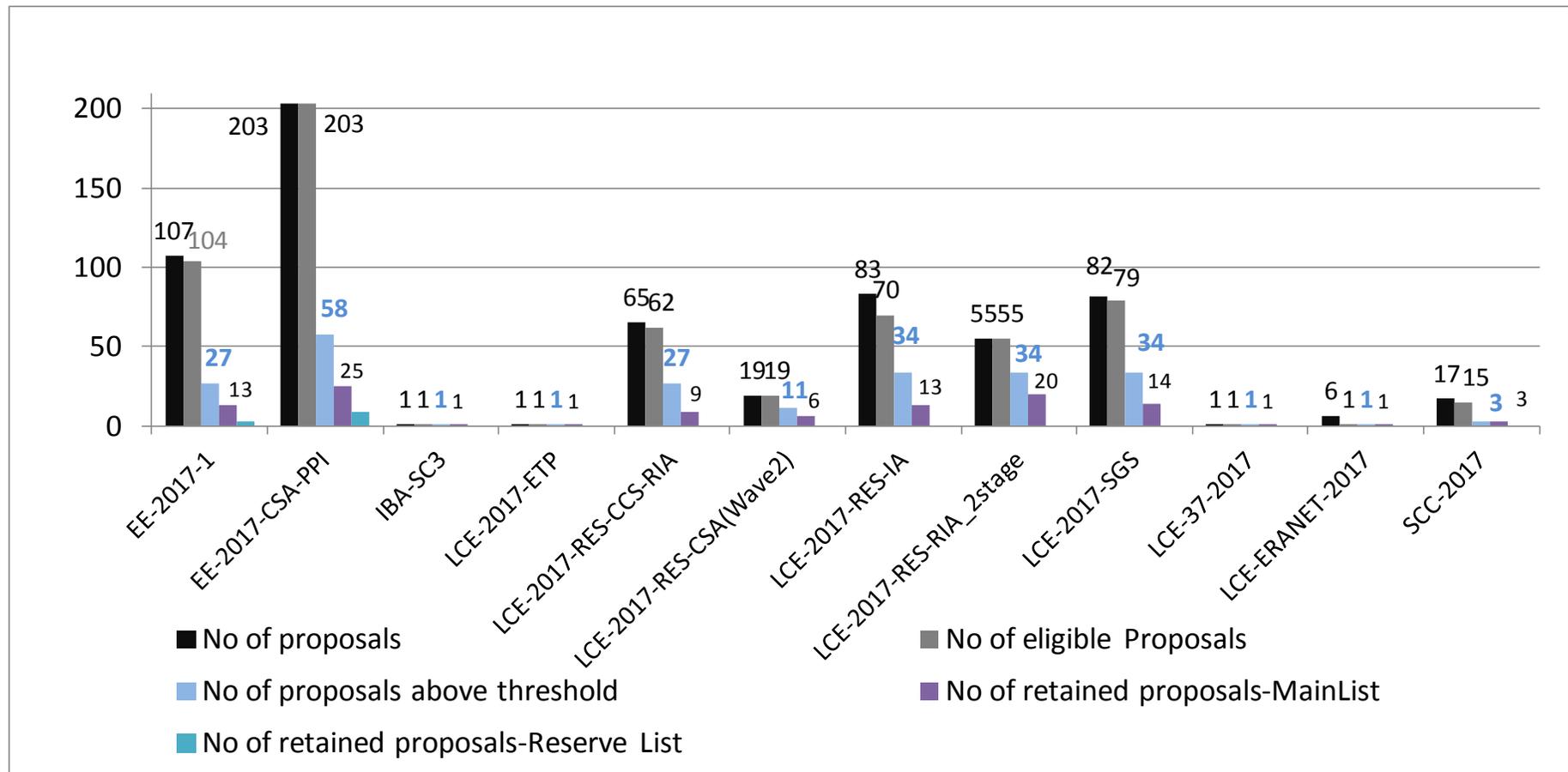
Number of proposals at 12 Calls





Greek Participation in Energy calls of Horizon2020

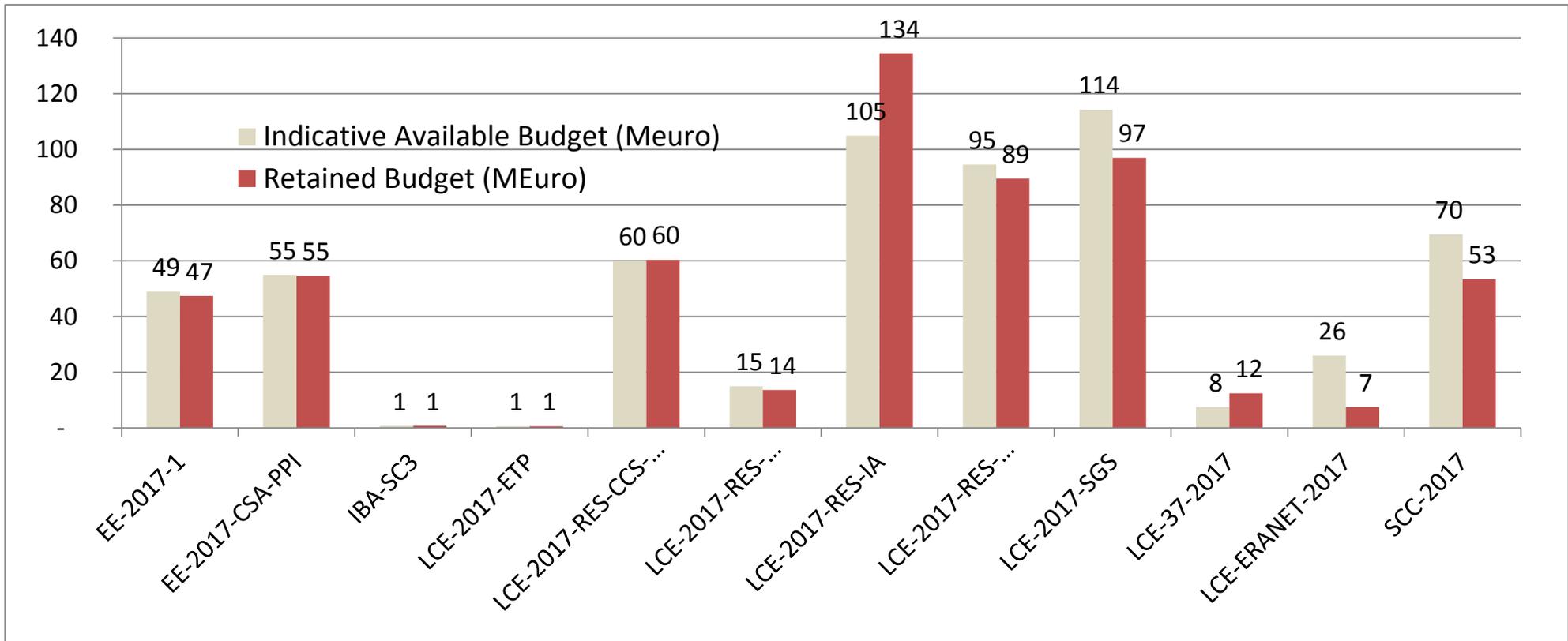
Proposals per Energy Call (12 Calls)





Greek Participation in Energy calls of Horizon2020

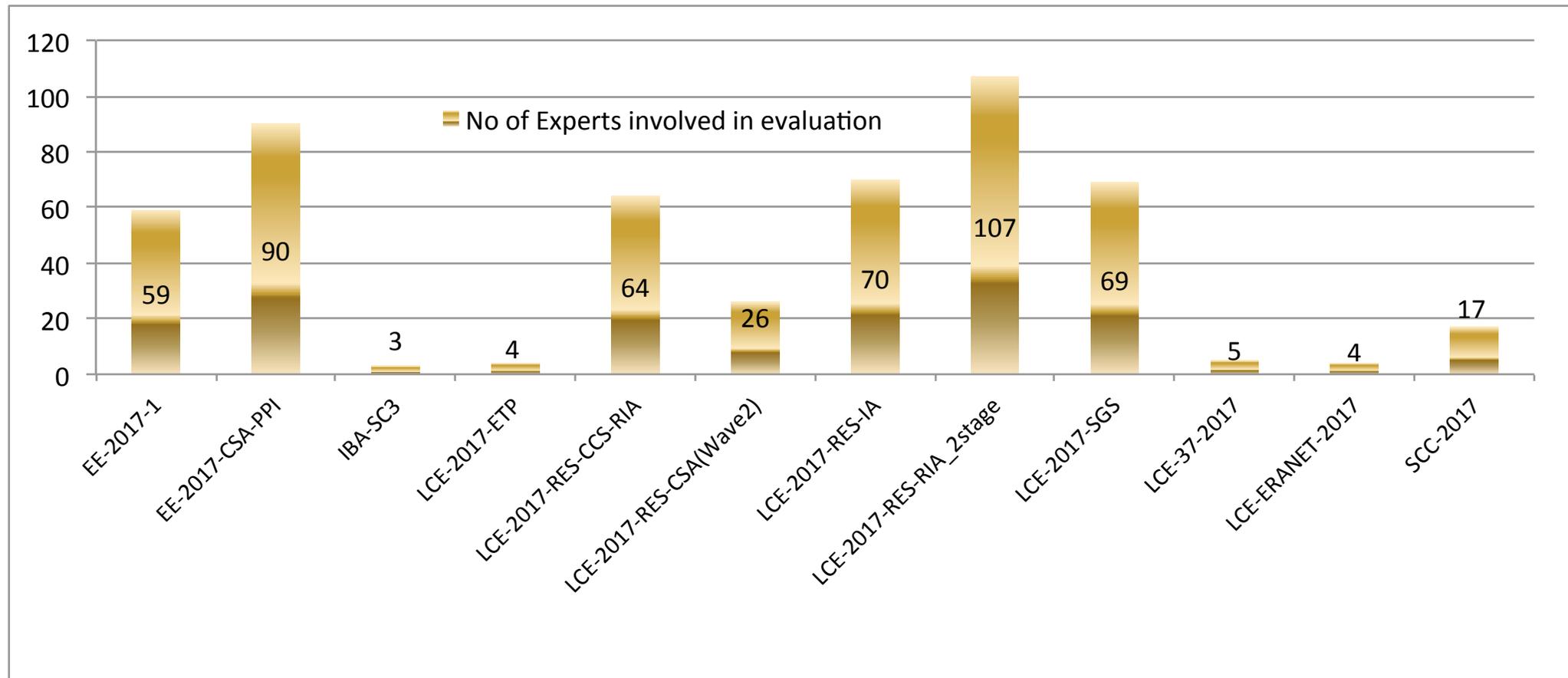
Budget Allocation in 12 Energy Calls





Greek Participation in Energy calls of Horizon2020

Expert Participation per Call





Greek Participation in Energy calls of Horizon2020

H2020-EE-2017-1

Sub-calls **H2020-EE-2017-RIA-IA** and **H2020-EE-2017-PPP**

Available budget: EUR 49.000.000,00 - Deadline: 19/1/2017

Proposals received: 107 (3 ineligible). Above threshold: 27

EU contribution requested by the received proposals : € 312.964.398,55

Proposals receiving funding: 13 (plus 3 on reserve list)

EL participations in retained proposals: 12% (7 out of 57)

Topic

EE-01-2017- RIA-IA Waste heat recovery from urban facilities and re-use to increase energy efficiency of district or individual heating & cooling systems

EE-04-2016-2017 - RIA-IA New heating and cooling solutions using low grade sources of thermal energy

EE-07-2016-2017 -RIA-IA Behavioural change toward energy efficiency through ICT

EE-12-2017 – PPP Integration of Demand Response in Energy Management Systems while ensuring interoperability through Public Private Partnership (EeB PPP)

EE-17-2016-2017 – PPP Valorisation of waste heat in industrial systems (SPIRE PPP)

EE-20-2017 -RIA-IA Bringing to market more energy efficient and integrated data centres



Greek Participation in Energy calls of Horizon2020

H2020-EE-2017-1

Topic	Proposals Received/ Eligible/Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
EE-01-2017	8/7/1	65.422.618,22	3.998.062,00	SE	-
EE-04-2016-20 17	11/11/3		11.999.899,36	BE, ES, DK	-
EE-07-2016-20 17	45/44/4 plus 2	85.058.459,76	7.985.163,65 plus 3.813.145,27 = 11.798.308,92	EL ("UtilitEE"), DE,BE,PT, IT,ES	2x EL ("UtilitEE"), EL ("Eco-Boot"), EL ("BENEFICE")
EE-12-2017 – (EeB PPP)	25/24/2 plus 1	90.520.172,72	6.983.143,25 plus 3.139.484,63 = 10.122.627,88	ES, ES plus BE	2 participations in 1 project ("HOLISDER")
EE-17-2016-20 17 – (SPIRE PPP)	12/12/1	53.600.724,37	4.636.249,50	ES	-
EE-20-2017	7/7/2	18.362.423,48	4.867.767,35	IT, HU	1 participation in 1 project ("CATALYST")



Greek Participation in Energy calls of Horizon2020

H2020-EE-2017-CSA-PPI

Available budget: EUR 55.000.000,00 - Deadline: 7/6/2017

Proposals received: 203 (all eligible) . Above threshold: 58

EU contribution requested by the received proposals : € 347.473.104,22

Proposals receiving funding: 25 (plus 9 on reserve list)

EL participations in retained proposals: 10% (9 out of 86)

Topic

EE-02-2017: Improving the performance of inefficient district heating networks

EE-06-2016-2017: Engaging private consumers towards sustainable energy

EE-09-2016-2017: Engaging and activating public authorities

EE-11-2016-2017: Overcoming market barriers and promoting deep renovation of buildings

EE-14-2016-2017: Construction skills

EE-15-2017: Increasing capacities for actual implementation of energy efficiency measures in industry and services

Topic

EE-16-2016-2017: Effective implementation of EU product efficiency legislation

EE-18-2017: Energy efficiency of industrial parks through energy cooperation and mutualised energy services

EE-19-2017: Public Procurement of Innovative Solutions for energy efficiency

EE-22-2016-2017: Project Development Assistance

EE-23-2017: Innovative financing schemes

EE-24-2016-2017: Making the energy efficiency market investible



Greek Participation in Energy calls of Horizon2020

H2020-EE-2017-CSA-PPI

Topic	Proposals Received/ Eligible/Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
EE-02-2017	12/12/1 plus 1	20.997.939,75	4.098.156,00	DE,DE	=
EE-06-2016-20 17	48/48/2 plus 1	86.938.493,00	3.997.361,25 plus 1.999.990,00 = 5.997.351,25	DK,DE, LU	1 participation in 1 project ("ECO2") and 3 EL participations in project "STEP-IN" from reserve list
EE-09-2016-20 17	27 / 27 / 3 plus 1	49.007.383,00	5.791.563,75 plus 1.907.768,75 = 7.699.332,50	EL, HR,UK,IT	2 participation in project "C-Track50"
EE-11-2016-20 17	26/26/ 3 (1 withdrawn)	72.527.754,03	4.108.795,50	NL,IT	2 participations in project "HAPPEN"
EE-14-2016-20 17	21/21/1 plus 4		1.247.020,25 plus 3.514.608,53 = 4.761.628,78	UK, ES,FR,MK,CZ	-
EE-19-2017	0	0,0			



Greek Participation in Energy calls of Horizon2020

H2020-EE-2017-CSA-PPI

Topic	Proposals Received/ Eligible/Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals	
EE-15-2017	16/16/3 plus 1	51.133.428,44	5.676.270 plus 1.679.632,50 = 7.355.902,50	ES, DE,DE,CH	1 participation in project “M-Benefits”	
EE-16-2016-20 17	2/2/1		1.961.948,75	DE	-	
EE-18-2016-20 17	9/9/1		1.997.325,00	AT	-	
EE-22-2016-20 17	16/16/4 plus 1		66.868.106,00	4.550.498,75 plus 998.437,50 = 5.549.936,25	ES,BE,DK,ES,PT	(PDA Assistance)
EE-23-2016-20 17	11/11/3			6.639.536,25	CH,PL,AT	-
EE-24-2017	15/15/3			4.509.108,75	BE,AT,FR	-



Greek Participation in Energy calls of Horizon2020

H2020-IBA-SC3-SUSTAINABLE ENERGY-2017

Available budget: EUR 750.000,00 - Deadline: 31/8/2017

Proposals received: 1 (1 ineligible). Above threshold: 1

EU contribution requested by the received proposals : € 750.000,00

Proposals receiving funding: 1

Topic	Proposals Received/ Eligible/ Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
(H2020-IBA-SC3-SUSTAINABLE-ENERGY-2017): Support to the initiative on sustainable energy in the defense and security sector	1/1/1	750.000,00	750.000,00		BE [EU Defense Agency]



Greek Participation in Energy calls of Horizon2020

H2020 - COMPETITIVE LOW-CARBON ENERGY

Available budget: EUR 600.000,00 - Deadline: 16/2/2017

Proposals received: 1 (1 eligible). Above threshold: 1

EU contribution requested by the received proposals : € 597.412,50

Proposals receiving funding: 1

Topic	Proposals Received/ Eligible/ Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-36-2016-2017 Support to energy stakeholders to contribute to the SET-Plan	1/1/1	597.412,5	597.412,5	BE	-



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES-CCS-RIA

Available budget: EUR 60.000.000,00 - Deadline: 5/1/2017

Proposals received: 65 (62 eligible) . Above threshold: 27

EU contribution requested by total received proposals : € 368,653,550.25

Proposals receiving funding: 9 (from main list)

EL participations in retained proposals: 3% (1 out of 29)

Topic

LCE-08-2017 Development of next generation biofuel technologies

LCE-27-2017 Measuring, monitoring and controlling the potential risks of subsurface operations related to CCS and unconventional hydrocarbons

LCE-28-2017 Highly flexible and efficient fossil fuel power plants

LCE-29-2017 CCS in industry, including Bio-CCS

LCE-30-2017 Geological storage pilots



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES-CCS-RIA

Topic	Proposals Received/ Eligible or Admissible /Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-08-2017	29/28/2	147.129.992,8	10.935.331,25	DE,AT	-
LCE-27-2017	4/4/1	31.585.424,75	9.785.730,00	UK	-
LCE-28-2017	15/15/3	83.825.528,00	18.747.376,25	IT,DE,FR	1 participation in project "PUMP HEAT"
LCE-29-2017	11/10/2	58.276.138,69	18.699.306,25	NO,IT	-
LCE-30-2017	3/2/1	20.798.754,00	2.200.318,00	IS	-



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES-CSA-Market Uptake of RES (WAVE2)

Available budget: EUR 15.000.000,00 - Deadline: 5/1/2017

Proposals received: 19 (19 eligible). Above threshold: 11

EU contribution requested by the received proposals : € 51.628.271,00

Proposals receiving funding: 6

EL participations in retained proposals: 36% (4 out of 11)

Topic	Proposals Received/ Eligible/Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE 21 Market uptake of renewable energy Technologies (CSP,Fuels,Geothermal,HP,PV, Wind)	19/19/6	51.628.271,00	13.597.651,25	NL,DE,ES,DE, DE,ES	1 participation in "EU HEROES" 2 participations "iDistributedPV" 1 participation in "MUSTEC"



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES-IA

Available budget: EUR 105.000.000,00 - Deadline: 7/9/2017

Proposals received: 83 (70 eligible) . Above threshold: 34

EU contribution requested by received proposals : € 626,102,698.35

Proposals receiving funding: 13 from main list

EL participations in retained proposals: 1% (1 out of 205)

Topic

LCE-10-2017 Reducing the cost of PV electricity

LCE-11-2017 Near-to-market solutions for reducing the water consumption of CSP Plants

LCE-12-2017 Near-to-market solutions for the use of solar heat in industrial processes

LCE-14-2017 Demonstration of large >10MW wind turbine

LCE-16-2017 2nd Generation of design tools for ocean energy devices and arrays development & deployment

Topic

LCE-17-2017 Easier to install and more efficient geothermal systems for retrofitting buildings

LCE-18-2017 EGS in different geological conditions

LCE-19-2017 Demonstration of the most promising advanced biofuel pathways

LCE-20-2017 Enabling pre-commercial production of advanced aviation biofuel



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES-IA

Topic	Proposals Received/ Eligible/ Funded (plus RL)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-10-2017	.14/2	626.102.698,35	19.682.793,75	LT,FR	-
LCE-11-2017	5/1		10.812.504,02	ES	-
LCE-12-2017	13/2		13.815.765,13	ES,ES	-
LCE-14-2017	3/1		24.842.440,64	DE	-
LCE-16-2017	4/1		6.689.076,5	ES	-
LCE-17-2017	9/2		14.738.901,01	IT,ES	1 participation in "GEO4CIVHIC" (CRES)
LCE-18-2017	8/		9.972.818,88	FR	-
LCE-19-2017	12/2		28.862.006,63	FR,SE	-
LCE-20-2017	2/2		20.002.252,64	IT,UK	-



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES RIA_ TwoStages_ First Stage

Available budget: EUR 94.500.000,00 – Deadline 1st stage: 29/11/2016

Proposals received: 200 (197 eligible)

Proposals that passed the thresholds and were invited to 2nd stage : 55

EU contribution requested by received proposals : € 810,553,975.00

EL participations in invited to 2nd stage proposals: 18% (13 out of 72)

Topic

LCE-6-2017 New Knowledge and Technologies

LCE-7-2017 Renewable Energy Sources

LCE-31-2017 Social Sciences and Humanities

To **2nd** stage 



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-RES RIA_ TwoStages_2nd Stage

Available budget: EUR 94.500.000,00 - Deadline: 22/8/2017

Proposals invited from 1st stage: 55 (55 eligible) . Above threshold: 34

EU contribution requested by received proposals : € 234,530,016.75

Proposals receiving funding: 20 (from main list)

EL participations in retained proposals: 36% (5 out of 14)

Topic	Proposals Received/ Eligible/ Funded (plus RL)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-6	14/14/5	234.530.016,75	20.170.609,25	NL,DE,NL,NO,IT	-
LCE-7	35/35/13		62.175.476,75	ES(3),FI(2), UK(2), EL(2),IT,NO,FR, BE	2 EL part.as CO in “SWS HEATING” (NTUA) and “EASY RES” (AUTH), 1part. In “APOLO”, 1 part.in “EASY RES”, 1 part.in “SWS HEATING”
LCE-31	6/6/2		7.112.211,25	PT,NO	-



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-SGS

Available budget: EUR 114.290.000,00 - Deadline: 14/2/2017
Proposals received: 82 (79 eligible) . Above threshold: 34
EU contribution requested by received proposals : € 363.233.448,32
Proposals receiving funding: 14 (from main list)

Topic

LCE-1-2017 Next generation innovative technologies enabling smart grids, storage and energy system integration with increasing share of renewables: distribution network

LCE-4-2017 Demonstration of system integration with smart transmission grid and storage technologies with increasing share of renewables

LCE-5-2017 Tools and technologies for coordination and integration of the European energy system



Greek Participation in Energy calls of Horizon2020

H2020-LCE-2017-SGS

Topic	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-1-2017	€ 363.233.448,32	19.814.408,75	DE,SE,FR,ES,FI	1 part. In "FLEXCoop" & 1 part. In "RESOLVD"
LCE-4-2017		54.575.712,80	BE,ES,IE	4 participations in project "CROSSBOW" 2 part. In "FLEXITRANSTORE"
LCE-5-2017		22.624.046,25	FR(2),IT(2),UK,FI	2 part. In "PLANET"



Greek Participation in Energy calls of Horizon2020

H2020-LCE-37-2017: ERA-NET Co-Fund

Available budget: EUR 7.500.000,00 - Deadline: 16/2/2017

Proposals received: 1 (1 eligible). Above threshold: 1

EU contribution requested by the received proposals : € 12.415.543,47

Proposals receiving funding: 1

Topic	Proposals Received/ Eligible/ Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-37 ERA-NET Co-Fund - Enhanced cooperation in Smart Local and Regional Energy Networks of the European Energy System	1/1/1	€12,415,543.47	€12,415,543.47	AT	-



Greek Participation in Energy calls of Horizon2020

H2020-LCE-35-2017: ERA-NET Co-Fund

Available budget: EUR 26.000.000,00 - Deadline: 7/9/2017

Proposals received: 6 (1 eligible). Above threshold: 1

EU contribution requested by the received proposals : € 7.462.001,58

Proposals receiving funding: 1

Topic	Proposals Received/ Eligible/ Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
LCE-37 Joint Actions to foster innovative energy solutions in renewable energy technologies	1/1/1	7462001,58	7462001,58	CH	1 EL participation



Greek Participation in Energy calls of Horizon2020

H2020 – SMART AND SUSTAINABLE CITIES

Available budget: EUR 69.500.000,00 - Deadline: 14/2/2017

Proposals received: 18 (2 ineligible and one withdrawn). Above threshold: 3

EU contribution requested by the received proposals : € 272.057.696,22

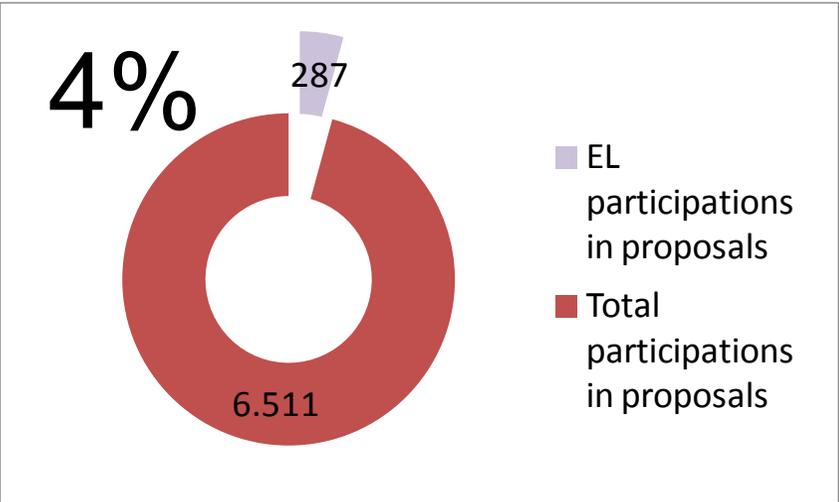
Proposals receiving funding: 3

Topic	Proposals Received/ Eligible/Funded (plus from reserve list)	Total EC Contribution Requested from all proposals (€)	EC Contribution Requested from successful proposals (€)	Coordinators of successful proposals	EL Participations in successful proposals
SCC - 2017	18/15/3	€ 272.057.696,22	53.362.959,68	NL, ES (2)	4 participations including 2 municipalities: Alexandroupolis & Kozani



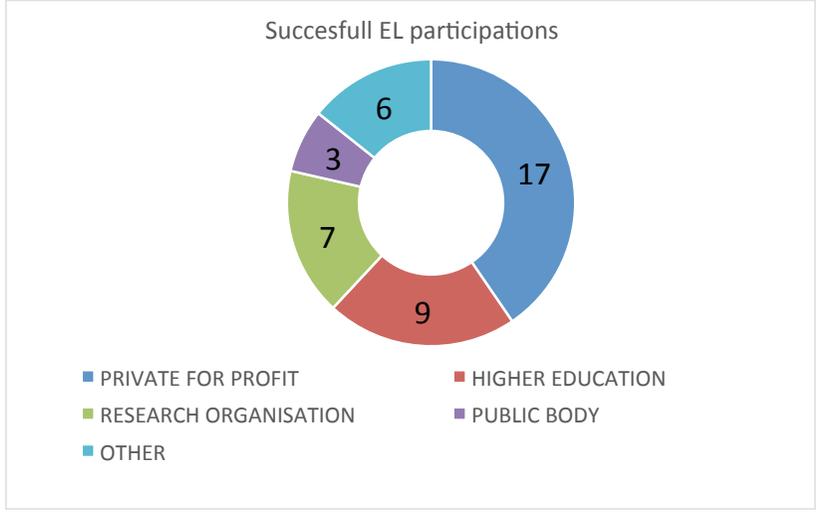
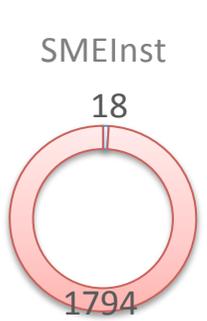
Greek Participation in Energy calls of Horizon2020

Participation of Greece



Success Rate:
 42 Participations in Retained projects
 287 Total Participations

15%



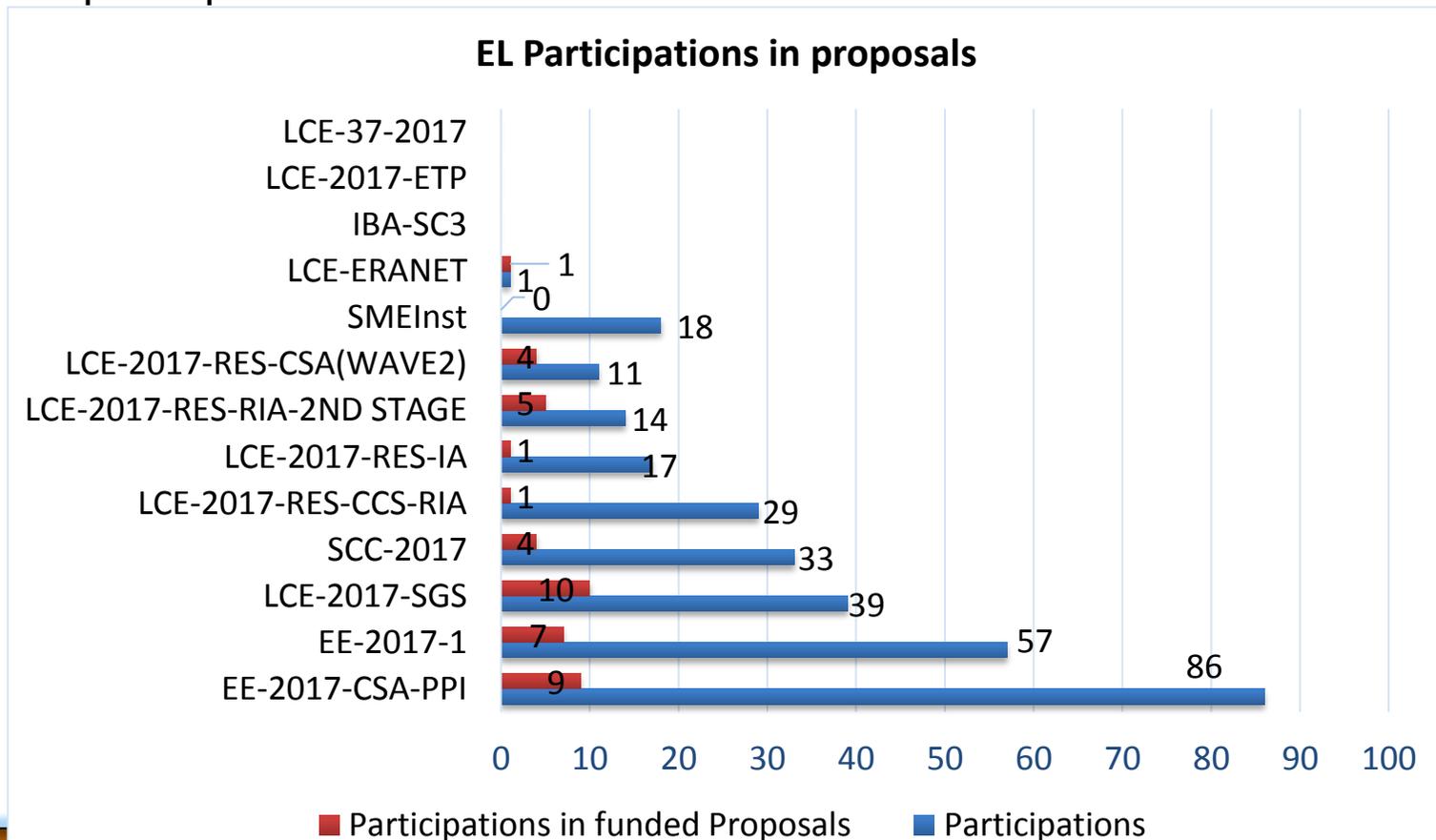
EL participations Total participations



Greek Participation in Energy calls of Horizon2020

Participation of Greece

Successful participations: 42 in 305

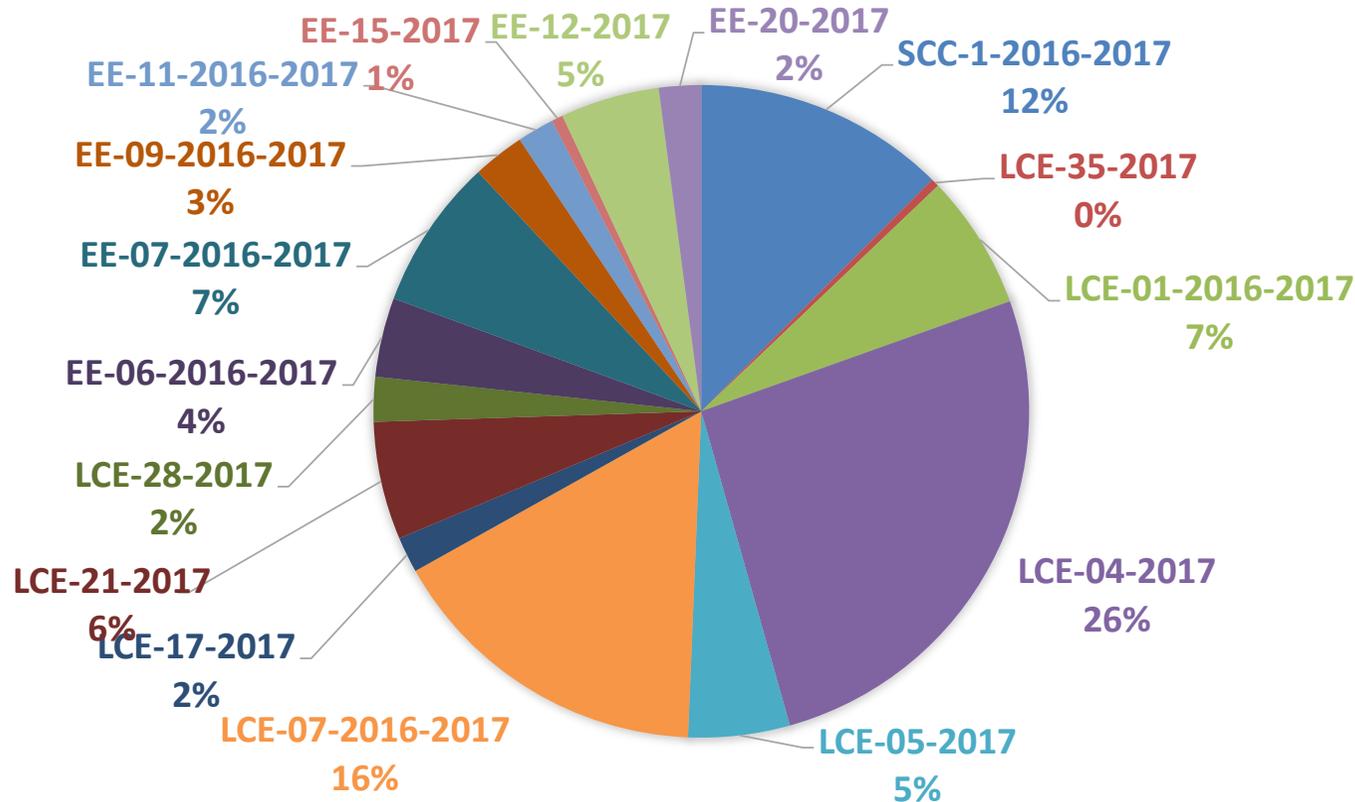




Greek Participation in Energy calls of Horizon2020

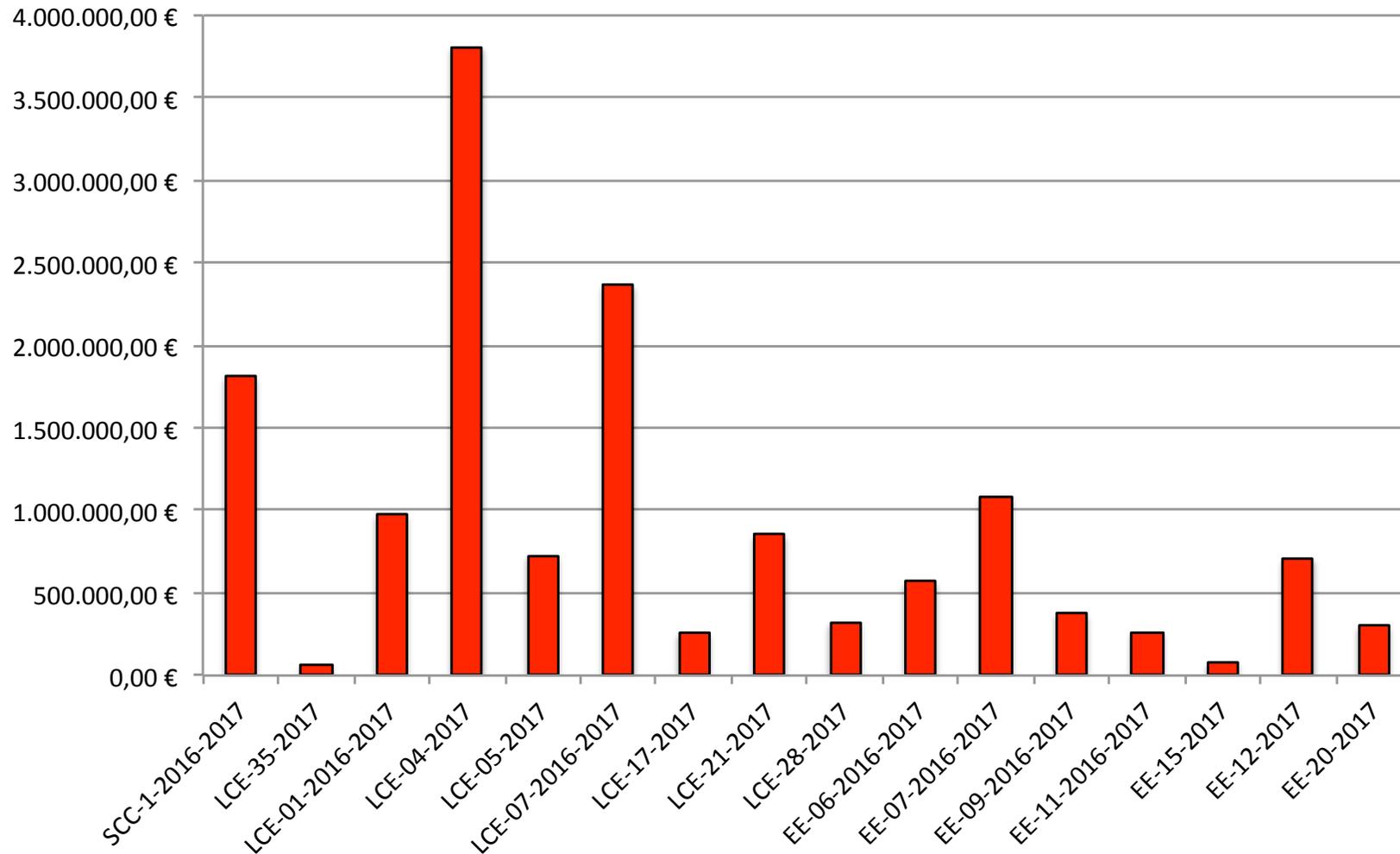
Participation of Greece

REQUESTED EU CONTRIBUTION PER CALL FROM SUCCESFULL EL PARTICIPATIONS





TOTAL EU CONTRIBUTION TO GREECE: 14.580.460,43 Euros





Ευχαριστώ για την προσοχή σας!