

Power & Utilities EU funding during 2014-2020

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Building a better
working world

Agenda

1 Looking back: the 2014 CEF energy call

2 Current call

3 Juncker's EFSI

4 Horizon 2020

Energy call – process in 2014



Call Publication (INEA) – 5 May 2014



Info Day Event - 23 May 2014

Deadline of 19th of August 2014



Proposal opening and eligibility check

Projects must be identified as Projects of Common Interest (PCI) - currently 248 PCI's. List to be updated every 2 years.



Technical evaluation

Evaluation Committee

Consultation with CEF Coordination Committee (CCC)

Information to European Parliament

Evaluation in September-October 2014
CCC opinion in November 2014.



Signature individual grant agreements (January 2015)



€ 5,3 billion will be made available for CEF Energy in 2014-2020.

CEF Energy call in 2014

€ 647 million dedicated to finance projects of common interest in the field of trans-European energy infrastructure

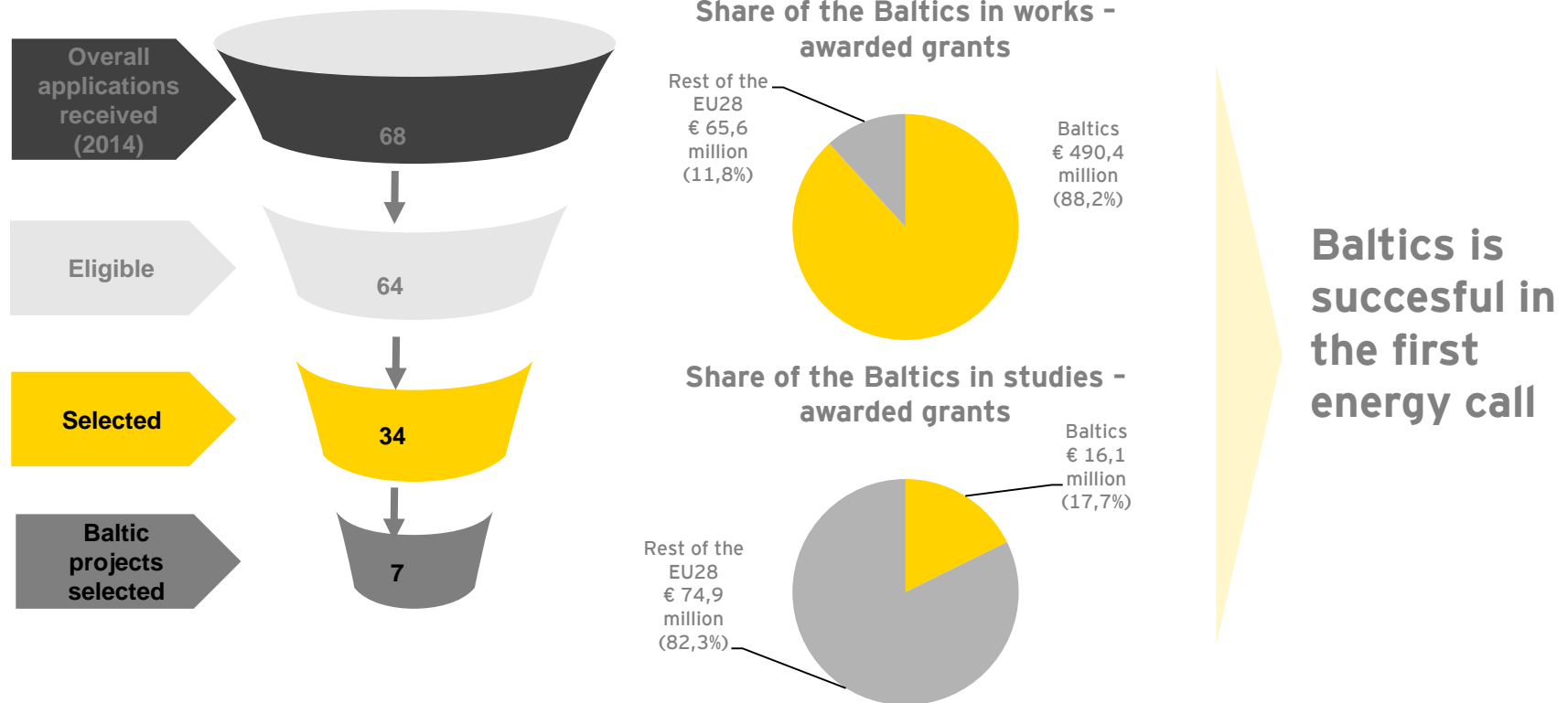
Award criteria - at least 60% result of each criterion to be considered for funding	Works (%)	Studies (%)
Priority and urgency of the action , will the project remove bottlenecks, end energy isolation and contribute to the implementation of the internal energy market	20	25
Maturity of the action with regards to the developmental stage of the project, based on the implementation plan	20	20
Need to overcome financial obstacles , the impact on solidarity	15	15
Stimulating effect of the CEF financial assistance on the completion of the action	15	15
Cross-border dimension of the action, area of impact and number of Member States involved in the action	10	20
Extent of the positive externality (such as security of supply and solidarity among Member States) provided by the action involving works	10	NA
Quality of the application , the clarity and the completeness of the proposal	5	5
Complementarity between actions of common interest	5	NA

Results - Baltics account for majority of awarded grants for works

64 eligible proposals received, requesting € 1,4 billion of financial support

Awarded € 556 million grants to construction works, € 91 million to studies.

Expanded definition of Baltics: including Poland due to the Poland-Lithuania interconnection



Overall results - indicative list of actions selected for receiving CEF energy financial assistance

	Action Type	Name	Max assistance
PCI Norway - UK interconnection	Study	NSN Technical Design Studies	€ 31,3 million
Interconnection Cotentin - Exeter	Study	Development of the France-Alderney-Britain project	€ 7,2 million
Interconnection Coquelles - Folkestone	Study	ElecLink	€ 1,7 million
Interconnection Aquitaine and Basque country	Study	New Atlantic electrical interconnection Spain - France	€ 3,3 million
Interconnection Hadera - Vasilikos	Study	EuroAsia Interconnector	€ 1,3 million
Internal line Vernerov - Vitkov	Study	Documentation for zoning permit of line, substation and study	€ 1,0 million
Interconnection Gony - Gabcikovo	Study	Preparation of Gonyu national border 400 kV interconnection	€ 0,2 million
Interconnection Salgareda - Divaca-Bericevo	Study	Optimal technologies for submarine/terrestrial line	€ 0,2 million

Results

	Action Type	Name	Max assistance	Applicant
Hydro-pumped storage Bulgaria-Yadenitsa	Study	PCI Hydro Pumped Storage in Bulgaria - Yadenitsa	€ 3,2 million	
Hydro-pumped storage Greece - Amfilochia	Study	Design/EIA hydro-pumped storage Greece - Amfilochia	€ 4,9 million	
Interconnection Maritsa East 1 - N. Santa	Study	Studies construction 2nd interconnector Bulgaria - Greece	€ 0,3 million	
Interconnection Maritsa East 1 - N. Santa	Study	Pre-investment works Bulgarian part	€ 0,3 million	
Internal line Maritsa East - Burgas	Study	Maritsa East - Burgas, Maritsa East-Maritsa East 3, Plovdiv	€ 0,3 million	
Internal line Dobrudja - Burgas	Study	Studies/pre-investment works	€ 0,3 million	
Interconnection Kilingi - Nömme and Riga CHP2 substation (Estonia-Latvia)	Works	Cluster Estonia - Latvia between Kilingi-Nömme and Riga	€ 112,3 million	Augstsprieguma tīkls AS, Latvijas elektriskie tīkli AS/Elering AS
Interconnection Estonia/Latvia/Lithuania - continental europe	Study	Technical requirements/costs for integration	€ 0,1 million	Litgrid AB
Internal line Ventspils, Tume and Imanta (Latvia)	Works	Internal line between Ventspils, Tume and Imanta	€ 55,1 million	Augstsprieguma tīkls AS, Latvijas elektriskie tīkli AS

BEMIP ELECTRICITY

Results

	Action Type	Name	Max assistance
Islandmagee Underground Gas Storage	Study	Drilling borehole, testing, analysis, design	€ 2,5 million
Twinning onshore Cluden - Brighthouse Bay	Works	Southwest Scotland onshore system	€ 33,8 million
Interconnection Stork II Libhost-Hat-Kedzierzyn	Study	Poland-Czech Rep. interconnection	€ 1,5 million
Interconnection Poland-Slovakia	Study	Gas Interconnection	€ 4,6 million
Interconnection Hungary - Slovenia	Study	Gas transmission pipeline	€ 0,4 million
Interconnection Austria-Czech bidirectional	Study	BACI - first bidirectional AT-CZ interconnection	€ 0,1 million
LNG regasification vessel KrK	Study	LNG terminal KrK	€ 4,9 million
LNG Greece	Study	Independent Natural Gas System - design/preparation	€ 1,8 million
Aegean LNG import terminal	Study	Studies related to permitting procedure	€ 0,3 million

Results

		Action Type	Name	Max assistance	Applicant
BEMIP GAS	EU-Turkmenistan	Study	Environmental monitoring of gas pipeline	€ 2,0 million	
	Bulgaria-Austria gas pipeline	Study	Feasibility study Corbu, Hateg, Horia compressor stations	€ 1,5 million	
	Interconnector Turkey-Bulgaria	Study	Feasibility study, including environmental IA	€ 0,2 million	
	Interconnector Estonia - Finland	Study	Baltconnector	€ 5,4 million	Gasum Oy/AS EG Vorguteenus
	Capacity enhancement Lithuania	Works	Klaipeda-Kursenai Gas Transmission Pipeline	€ 27,6 million	AB Amber Grid (Lithuanian Gas Transmission System Operator)
	Interconnection Poland-Lithuania	Study	Gas Interconnection preparatory works	€ 10,6 million	AB Amber Grid, Operator Gazociagow Przesylowych GAZ-System S.A.
	Interconnection Poland-Lithuania	Works	Gas Interconnection construction	€ 295,4 million	Operator Gazociagow Przesylowych GAZ-System S.A, AB Amber Grid
	North Atlantic Green Zone Project	Works	Communication infrastructure, grid control, protocols	€ 31,7 million	

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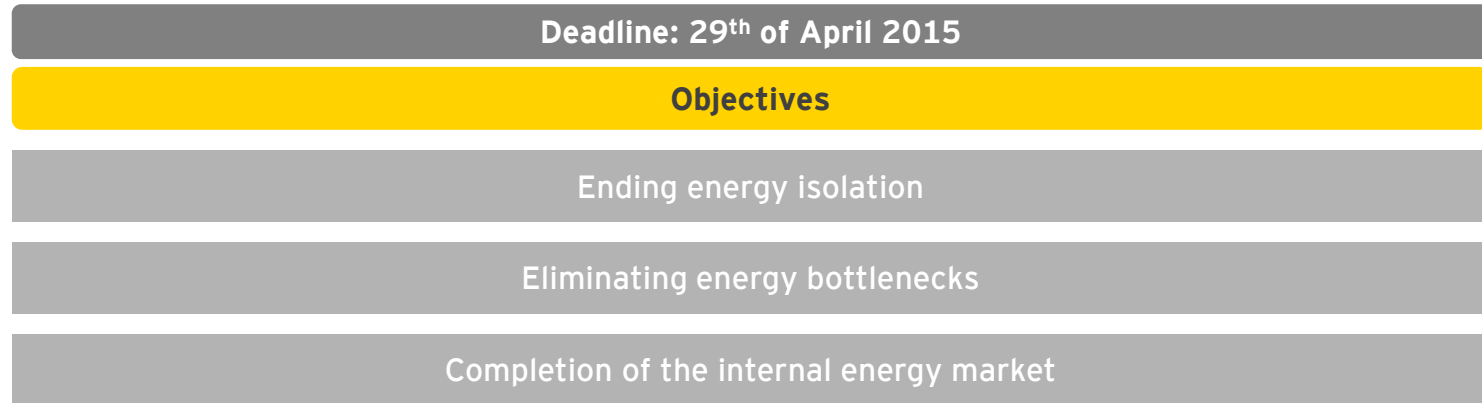
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First CEF Energy call in 2015

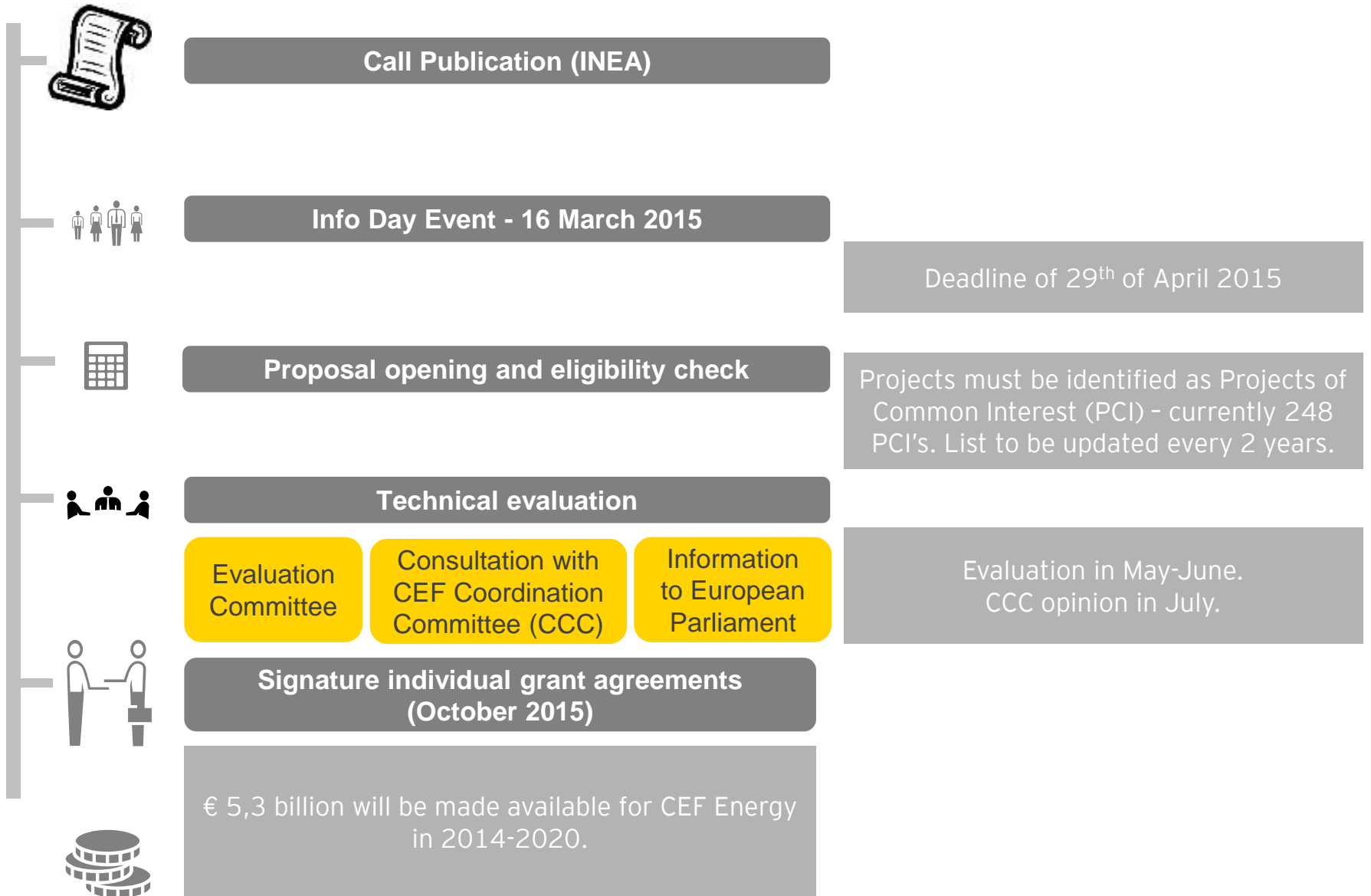
First call: € 100 million dedicated to finance projects of common interest in electricity and gas



Second call to be launched in June 2015 with a budget of € 550 million

Part of the original envelope for CEF energy has transferred to the EFSI (the European Fund for Strategic Investments)

Energy call – process first call in 2015



CEF Energy call 2015 - changes in award criteria

For both studies and works, new criterion of soundness of the implementation plan proposed for the Action to replace the criterion of quality of the application, the clarity and the completeness of the proposal.
Increased weight for the revised criterion of 10% (up from 5%).

Deleted criterion of complementarity between actions of common interest

Studies	
√	Increased weight for maturity of action (up to 25%, from 20%)
√	Increased weight of stimulating effect of the CEF financial assistance (up to 20%, from 15%)
√	Less weight for the cross-border dimension (down to 10%, from 20%)
√	Less weight for priority and urgency of the action (down to 20%, from 25%)
Works	
√	Increased focus on positive externality (up to 15%, from 10%)
√	Less weight for priority and urgency of the action (down to 15%, from 20%)

CEF Energy call 2015

Award criteria - at least 60% result of each criterion to be considered for funding	Works (%)	Studies (%)
Maturity of the action with regards to the developmental stage of the project, based on the implementation plan	20	25
Priority and urgency of the action , will the project remove bottlenecks, end energy isolation and contribute to the implementation of the internal energy market	15	20
Stimulating effect of the CEF financial assistance on the completion of the action	15	20
Need to overcome financial obstacles , the impact on solidarity	15	15
Cross-border dimension of the action, area of impact and number of Member States involved in the action	10	10
Extent of the positive externality (such as security of supply and solidarity among Member States) provided by the action involving works	15	NA
Soundness of the implementation plan proposed for the Action	10	10

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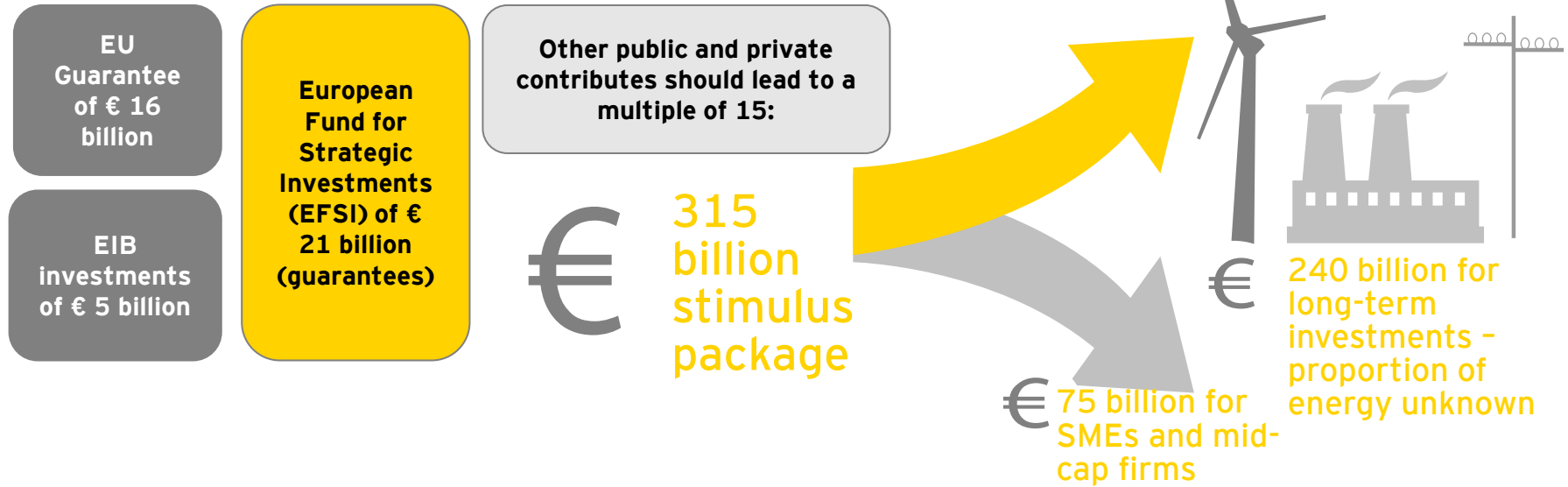
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Juncker's Investment Plan of € 315 billion - European Fund for Strategic Investments (EFSI) to be operational mid-2015



Approx. 2.000 projects identified across Europe, worth € 1,3 trillion of potential investments

Over € 500 billion of projects could be implemented in the next three years

Energy union as key growth-enhancing area

Under the Project of Common Interest (PCI) programme agreement on 248 transmission projects needed until 2020, which will require € 119 billion.

Out of the 248 PCI's 72 are mature, to be implemented until the end of 2017, requiring approx. € 50 billion in investment

Energy related projects - Estonia and Latvia*

Estonia	Latvia
Regional Baltic LNG terminal	BEMIP - 330 kV interconnection as part of NordBalt connection between Sweden and Lithuania
Balticconnector	Modernization and expansion of Inčukalns Underground Gas Storage
Oil shale sector	LNG terminal construction
Synchronous operation of the Baltic electricity market with the Continental European network	3 rd interconnection between Estonia and Latvia

Lithuania projects related to energy*

Overview
Vilnius CHP (heat and power production) plant up to 145 MW
Kaunas CHP up to 53 MW
Kruonis Pumped Storage Power Plant Extension with 225 MW
Synchronous operation of the Baltic electricity market with the Continental European network
330 kV double circuit transfer capacity Alytus-Kruonis
Smart Metering Mass Roll-out
330 kV single circuit transfer capacity via Lithuania-Sweden
Gas Interconnection Poland-Lithuania (GIPL)
LNG small-scale infrastructure and logistics chain in the port of Klaipeda
Syderiai underground gas storage project

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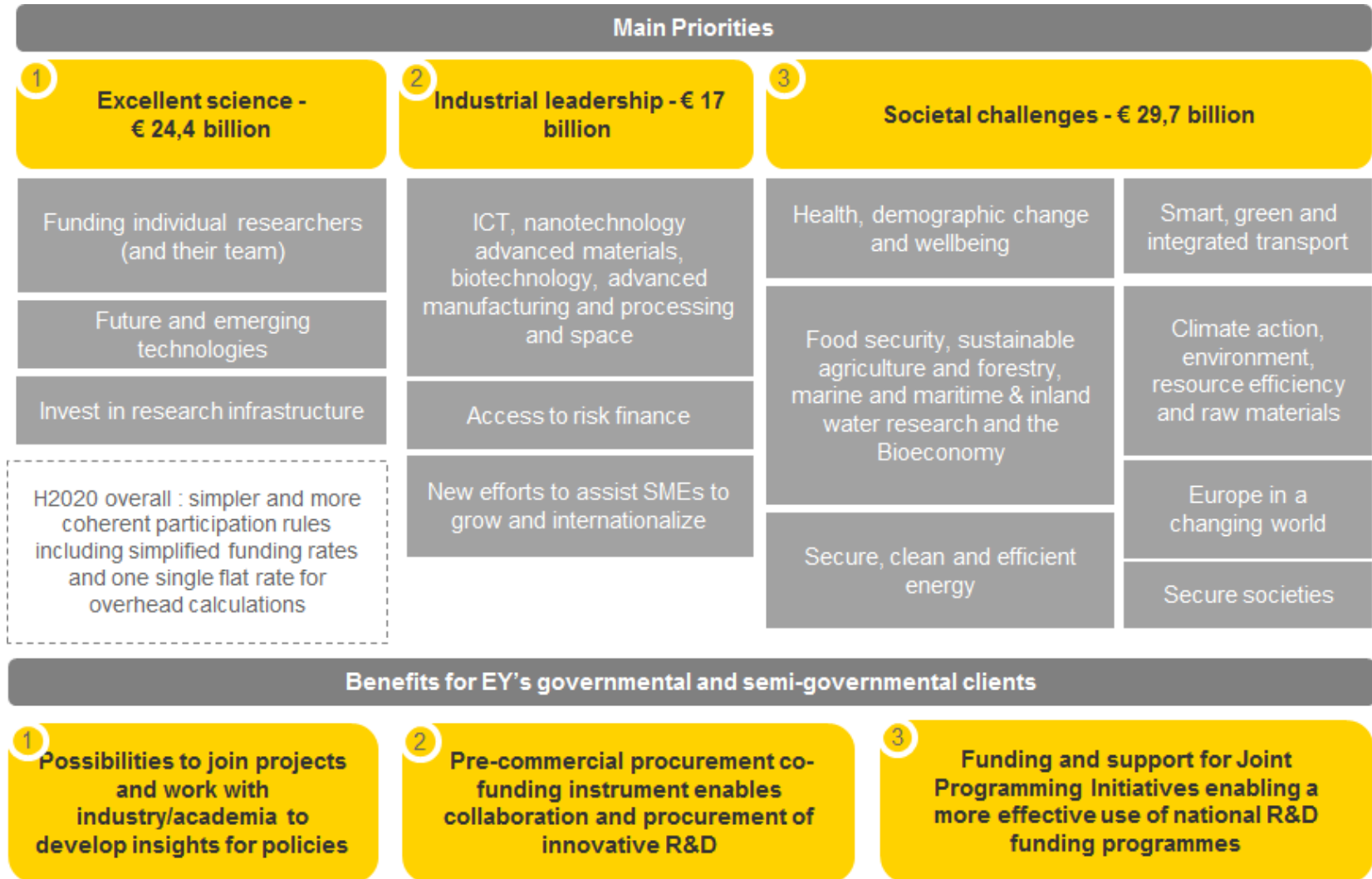
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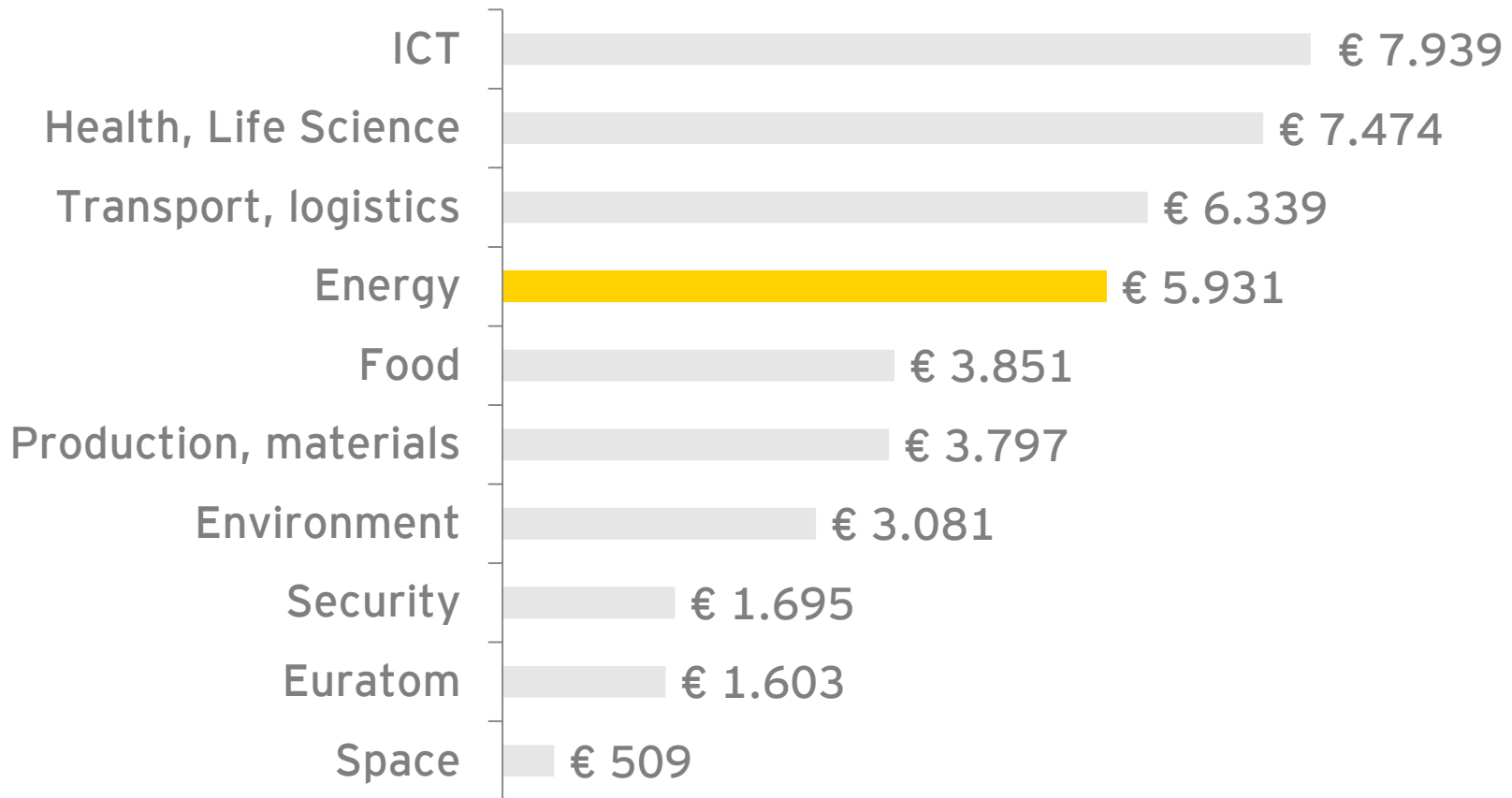
4 Horizon 2020

H2020

Main priorities and budget



Perspective of the European Commission: Energy as 4th largest priority in the H2020 budget



* Budget 2014-2020. All numbers are in Mio. Euro based on constant 2011 prices

Horizon 2020 - Basic Characteristics

The Program promotes **transnational collaboration, min. 3 partners/3 countries**

The Program is **open to all** (Industry, SME's, Universities)

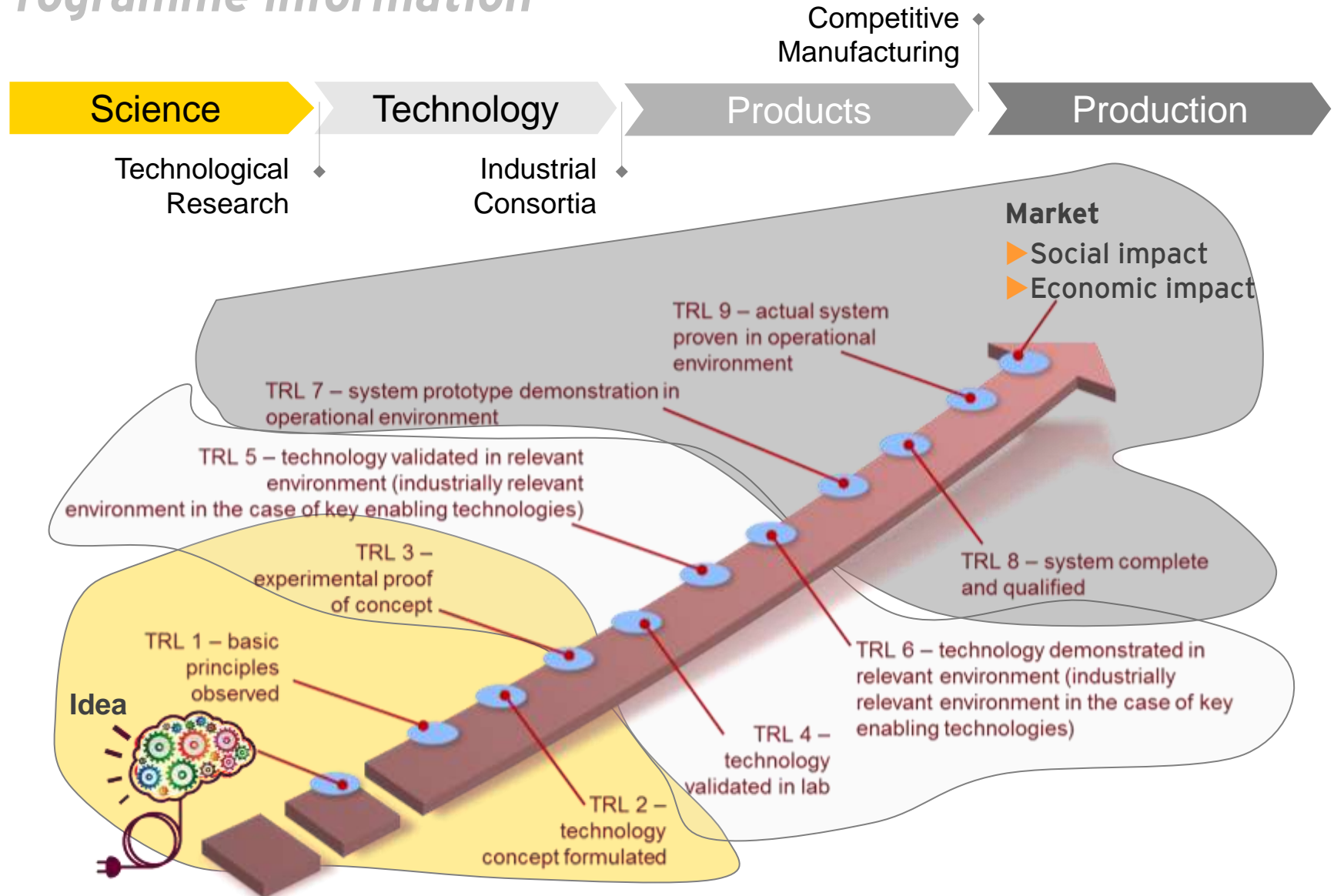
Horizon 2020 is an **Innovative Program, based on science & technology excellence**

The RTD **results** of each Program **remain in the property of the participants**

The participants submit a proposal via a consortia; the evaluation procedure involves multiple criteria and independent experts

Horizon 2020

Programme information



Horizon 2020

Upcoming programme

what's next

H2020 - 2016 - 2017 plans are still to be finalised into official work programmes

- ▶ Internet of Things Proposed Focus Area
 - ▶ Smart living environments for ageing well
 - ▶ Wearables
 - ▶ **Smart Energy, smart grid**
 - ▶ Smart Transportation and Mobility
 - ▶ Smart Production Environments
 - ▶ Connected hospital and smart operating rooms
 - ▶ Smart Farming
 - ▶ Autonomous vehicles
 - ▶ Environmental monitoring and management

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