

Horizon 2020 opportunità per PMI e progetti Energy Efficiency



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Contenuti

- Introduzione struttura H2020
- Strumento per le PMI
- Azioni nel settore Efficienza Energetica
- Come orientarsi per trovare informazioni

Horizon 2020

- Nuovo programma UE per la ricerca e l'innovazione (2014-2020).
- Rispetto al suo predecessore – l'FP7th (2007-2013) - Horizon 2020 presenta alcune significative novità dovute anche all'accorpamento di altri programmi prima distinti.

Tre obiettivi strategici



(I) Scienza di eccellenza:

Questa priorità mira a:

- sostenere gli individui più talentuosi e creativi e le loro equipe nello svolgere ricerche di frontiera di altissima qualità,
- finanziare la ricerca collaborativa
- offrire ai ricercatori eccellenti opportunità di formazione e di carriera
- infrastrutture di ricerca di livello mondiale accessibili a tutti i ricercatori in Europa e in altri Paesi.

(2) Leadership industriale

Questa priorità intende fare dell'Europa un luogo più attraente per investire nella ricerca e nell'innovazione, promuovendo attività strutturate dalle aziende. Mira a:

- consolidare la leadership nelle tecnologie abilitanti e industriali, fornendo un sostegno ad hoc alle Tecnologie dell' Informazione e della Comunicazione, alle nanotecnologie, ai materiali avanzati, alle biotecnologie, ai sistemi avanzati di fabbricazione e trattamento e alla ricerca spaziale;
- facilitare l'accesso ai finanziamenti con capitale di rischio;
- fornire in tutta l'Unione un sostegno all'innovazione nelle PMI.

(3) Sfide della società

Questa priorità rispecchia le priorità strategiche della strategia Europa 2020 e affronta grandi preoccupazioni condivise dai cittadini europei e di altri Paesi. I finanziamenti si concentreranno sulle seguenti problematiche:

- sanità, cambiamenti demografici e benessere;
- sicurezza alimentare, agricoltura sostenibile, ricerca marina e marittima e bioeconomia;
- energia da fonti sicure, pulita ed efficiente;
- trasporti intelligenti, ecologici e integrati;
- azione per il clima, efficienza sotto il profilo delle risorse e materie prime;
- società inclusive, innovative e sicure

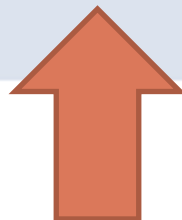
Excellence Science

- European Research Council
- Frontier Research by the best individual teams
- Marie Curie actions
- Opportunities for training and career development
- Future and Emerging Technologies
- Collaborative research to open new fields of innovation
- Research Infrastructure (including e-Infrastructure)
- Ensuring access to world-class facilities



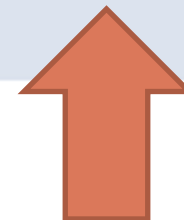
Industrial leadership

- Leadership in enabling and industrial technologies
- ICT, nanotechnologies, materials, biotechnology, manufacturing, space
- Access to risk finance
- Leveraging private finance and venture capital for research and innovation
- Innovation in SMEs
- Fostering all forms of innovation in all types of SMEs

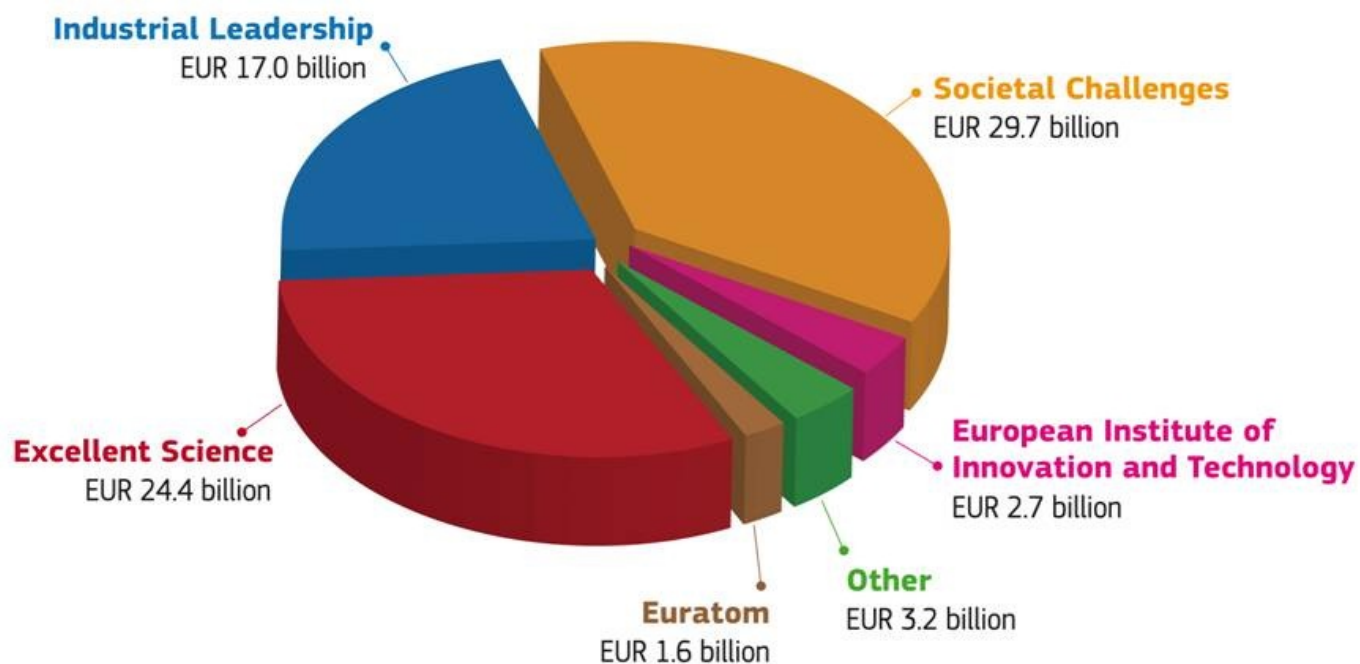


Societal challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies



HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)



Tipologie di azione: disposizioni specifiche e tassi di finanziamento

I. Azioni di ricerca e innovazione

stabilire nuove conoscenze e / o ad esplorare la fattibilità di una tecnologia, prodotto, processo, servizio o soluzione nuovi o migliori.

Possono includere la ricerca di base e applicata, lo sviluppo tecnologico e l'integrazione, test e convalida di un prototipo su piccola scala.

Tasso di finanziamento: 100 %

2. Azioni di innovazione

redazione di piani, progetti o disegni per prodotti, processi o servizi nuovi, modificati o migliorati. A tal fine essi possono includere prototipazione, sperimentazione, dimostrazione, validazione del prodotto su larga scala e replica sul mercato.

Tasso di finanziamento: 70 % (tranne per le persone giuridiche senza scopo di lucro, dove si applica un tasso del 100%)

3. Azioni di coordinamento e di sostegno

misure di accompagnamento quali la standardizzazione, la divulgazione, la sensibilizzazione e la comunicazione, il networking, i servizi di coordinamento o di supporto, i dialoghi politici e gli esercizi di apprendimento reciproco e gli studi, compresi gli studi di progettazione per nuove infrastrutture.

Tasso di finanziamento: 100 %

Technology Readiness Level

Livello di sviluppo tecnologico

- TRL 1 – principi di base osservati
- TRL 2 – concetto della tecnologia formulato
- TRL 3 – prova sperimentale del concetto
- TRL 4 – tecnologia validata in laboratorio
- TRL 5 – tecnologia validata in ambiti idonei
- TRL 6 – tecnologia dimostrata in ambiti idonei
- TRL 7 – Dimostrazione del prototipo di sistema in ambito operativo
- TRL 8 – Sistema completo e qualificato
- TRL 9 – Sistema testato in ambito operativo

H2020 per le PMI

- Horizon 2020 ha un approccio integrato nei confronti delle PMI, grazie al quale si prevede di dedicare alle PMI il 15% circa della dotazione finanziaria complessiva, circa 3 miliardi di euro.
- Diverse novità nell'ambito di Horizon 2020 incentiveranno la partecipazione delle PMI.

Small and medium-sized enterprises (SMEs)

▼ Facts and figures

- [SME definition](#)
- The Observatory of European SMEs
- SME Performance Review
- Eurobarometer Survey on Entrepreneurship

• Documents

- [Links](#)
- [FAQs](#)
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What is an SME?

"SME" stands for small and medium-sized enterprises – as defined in EU law: [EU recommendation 2003/361](#) .

The main factors determining whether a company is an SME are:

1. **number of employees** and
2. either **turnover** or **balance sheet total**.

Company category	Employees	Turnover	or	Balance sheet total
Medium-sized	< 250	≤ € 50 m		≤ € 43 m
Small	< 50	≤ € 10 m		≤ € 10 m
Micro	< 10	≤ € 2 m		≤ € 2 m

These ceilings apply to the figures for individual firms only. A firm which is part of larger grouping may need to include employee/turnover/balance sheet data from that grouping too.

For the details of how this works, see:

- [Guide to EU definition of SME](#) [2 MB] (click in the box with the three dots for other languages)
- [Are you an SME? Take the test](#)
- [Declaring your company to be an SME](#)

What help can SMEs get?

There are 2 broad types of potential benefit for a company if it meets the criteria:

- **eligibility for support** under many [EU business-support programmes](#) targeted specifically at companies of this size: E.g. research funding, competitiveness and innovation funding and similar national support programmes that could otherwise be banned as unfair government support ("state aid" – see [block exemption regulation](#)).
- **fewer requirements** or **reduced fees** for EU administrative compliance.

Attività relative alle PMI in H2020

- **WP. 'Innovation in SMEs' (sotto "Industrial leadership")**
 - **Strumento per le PMI** – mainstreaming (applicato in tutte le sfide della società e nei Leadership Industriale)
 - Sostegno delle PMI ad alta intensità di ricerca: Innovazione nelle start-ups, spin-offs and giovani imprese research-intensive
 - Rafforzare le capacità di innovazione delle PMI (mentoring e coaching + other activities)
 - **Singole PMI possono partecipare**

Inoltre

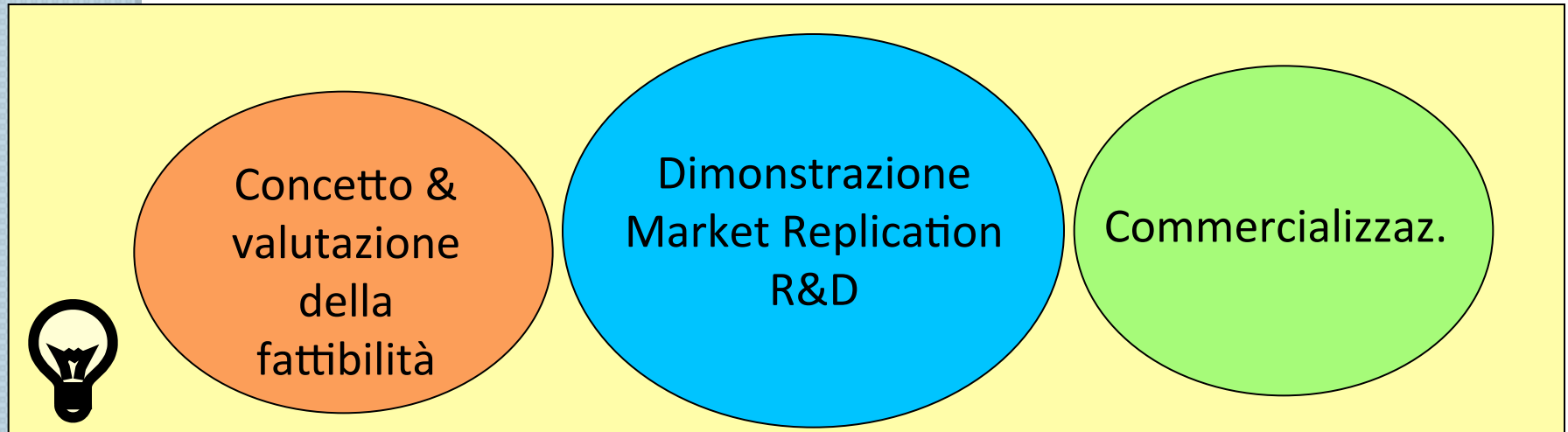
- Partecipazione delle PMI a piu' tradizionali progetti di ricerca collaborativa (tutte le tre priorità)
- Accesso alla finanza di rischio (prestiti e strumenti di equity)
- Scambio e mobilità dei ricercatori incluse le PMI (Marie Curie actions)

Strumento per le PMI (I)

Si rivolge a tutti i tipi di PMI innovative che mostrano una forte ambizione di svilupparsi, crescere e internazionalizzarsi. Esso fornisce un supporto che copre l'intero ciclo di innovazione in **tre fasi**, completato da un **tutoraggio e servizio di coaching** (attraverso Enterprise Europe Network + esperti esterni)

Strumento per le PMI (2)

Approccio in 3 fasi



IDEA

BUSINESS COACHING durante il progetto

MERCATO

Strumento per le PMI (3)

Fase 1: concetto e valutazione della fattibilità

Input:
Idea/Concept in "Business Plan I"
(~ 10 pages)

Attività principali:
Fattibilità del concetto
Analisi rischio
Regime proprietà intell.
Ricerca Partner
Studi di progettaz.
Applicazione Pilota

Output: elaborato
"Business plan II"

Importo forfettario: 50.000 €
(70-100%)
~ 6 mesi

Fase 2: R&D, dimostrazione, market replication

Input:
"Business plan II" + "Descrizione attività della Fase2" (~ 30 pp.)

Attività principali :
Sviluppo prototipi
Testing
Piloting
Miniaturizzazione
Scaling-up
Replica di mercato

Output: "Business plan III,, pronto per investitori

Pagamento in funzione output:
0.5 to 2.5 M€ (70-100%) ~ 12 to
24 months – TRL 6 min

Fase 3: Commercializzazione

Input:
"Business plan III"
+

Opportunità:
'Etichettá di Qualitá' per aver
passato Fase 1 & 2

Accesso facilitato a finanze private
Supporto via networking, training,
coaching, informazione, riguardanti:
i.a. Gestione Propr. Intel.,
condivisione conoscenze,
disseminazione

Finestra PMI nelle Financial
Facilities UE (Debt facility ed Equity
facility)

No direct funding

Parts and Topics	2014 ² Budget EUR million ³	2015 ⁴ Budget EUR million
5. <i>Leadership in enabling and industrial technologies</i>		
5i. <i>Information and Communication Technologies</i>		
ICT-37-2014/2015 Open Disruptive Innovation Scheme	45.00	45.00
5ii. <i>Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing</i>		
NMP-25-2014/2015 Accelerating the uptake of nanotechnologies advanced materials or advanced manufacturing and processing technologies by SMEs	21.80	23.80
BIOTEC -5-2014/2015 SME boosting biotechnology-based industrial processes driving competitiveness and sustainability	3.80	2.40
5iii. <i>Space</i>		
SME-SPACE-1-2014/2015 SME instrument	8.50	8.75

Argomenti comuni in
H2020 per finanziamenti
attraverso lo strumento
per PMI

Sfide della Società

Scadenze 2014

Phase 1	Phase 2
18/06/2014	09/10/2014
24/09/2014	17/12/2014
17/12/2014	

Leadership nelle tecnologie
abilitanti e Industriali

8. <i>Health, demographic change and wellbeing</i>		
PHC-12-2014/2015⁵ Clinical research for the validation of biomarkers and/or diagnostic medical devices	66.10	45.00
9. <i>Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy</i>		
SFS-8-2014/2015 Resource-efficient eco-innovative food production and processing	9.00	17.00
BG-12-2014/2015 Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth	3.00	5.00
10. <i>Energy Challenge</i>		
SIE-1-2014/2015 Stimulating the innovation potential of SMEs for a low carbon and efficient energy system	33.95	37.26
11. <i>Smart, green and integrated transport</i>		
IT-1-2014/2015 Small business innovation research for Transport	35.87	38.96
12. <i>Climate action, environment, resource efficiency and raw materials</i>		
SC5-20-2014/2015 Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials	17.00	19.00
13. <i>Europe in a changing world – inclusive, innovative and reflective Societies⁶</i>		
INSO-9-2015 Innovative mobile e-government applications by SMEs		4.00
INSO-10-2015 SME business model innovation		11.00
14. <i>Secure societies – Protecting freedom and security of Europe and its citizens</i>		
DRS-17-2014/2015 Protection of urban soft targets and urban critical infrastructures	7.00	7.40

La domanda di PMI

Gruppo Target (stime basate su indagini/studi):

-> 200,000 a 1.2 milioni di PMI, i.e. 1 a 6 % of tutte le PMI

Stima delle proposte presentate per la Fase I ogni anno:

-> 10 to 15,000 PMI (se non vi sono restrizioni)

Possibili misure per ridurre il numero di proposte:

1. Una proposta per impresa ogni anno (in entrambe le fasi)
2. Nessuna possibilità di presentare proposte per la fase I durante la presentazione di proposte e/o implementazione della fase 2 e viceversa
3. Consigli da parte della/e rete/i di supporto
4. PMI incoraggiate ad entrare nello strumento PMI nella fase I

H2020 ed Efficienza Energetica

Excellence Science

- European Research Council
- Frontier Research by the best individual teams
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- Innovation in SMEs
- Fostering all forms of innovation in all types of SMEs

Societal challenges

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Piano di Lavoro della „Leadeship nelle tecnologie abilitanti ed industriali”

- Tecnologie nuove e breakthrough
- Focus su R&D e innovazione a forte dimensione industriale
- Coinvolgimento di industria e PMI
- Contractual PPP UE-Industria auspicabili per fare leva su investimenti privati e obiettivi a lungo termine
- Cooperazione Internazionale

Call per Efficienza energetica degli edifici

- EeB 1 – 2014: Materials for building envelope
- EeB 2 – 2014: Adaptable envelopes integrated in building refurbishment projects
- EeB 3 – 2014: Development of new self-inspection techniques and quality check measures for efficient construction processes
- EeB 5 – 2015: Innovative design tools for refurbishment at building and district level
- EeB 6 – 2015: Integrated solutions of thermal energy storage for building applications
- EeB 7 – 2015: New tools and methodologies to reduce the gap between predicted and actual energy performances at the level of buildings and blocks of buildings
- EeB 8 – 2015: Integrated approach to retrofitting of residential buildings
- EE 1 – 2014: Manufacturing of prefabricated modules for renovation of building
- EE 2 – 2015: Buildings design for new highly energy performing buildings
- EE 3 – 2014: Energy strategies and solutions for deep renovation of historic buildings

Contributo UE stimato per progetto: 3-6, 4-7 M Eur

Impatti attesi

- Riduzione x% di CO₂
- Riduzione consumo energetico totale edifici di fattore 2
- Incremento delle proprietà di isolamento in x%
- Riduzione tempi di installazione
- Ritorno investimento
- Potenziale di replicabilità

EeB I – 2014: Materials for building envelope

- Sviluppo di nuovi materiali e/o soluzioni per componenti di involucro di edifici a basse emissioni CO₂, isolamento migliorato.
- Miglioramento qualità aria ambiente, limitazione emissioni VOC. Soluzioni oltre lo stato dell'arte.

EeB 2 – 2014: Adaptable envelopes integrated in building refurbishment projects

- Miglioramento funzionalità tetti e facciate per adattamento a cambiamenti ambientali.
- Materiali o tecnologie per produzione e stoccaggio energia; isolamento intelligente; miglioramento qualità aria, controllo umidità, resistenza ad incendi..



EeB 3 – 2014: Development of new self-inspection techniques and quality check measures for efficient construction processes

- Tecniche di auto ispezione
- Misure di Quality check

EeB 5 – 2015: Innovative design tools for refurbishment at building and district level

- Design di edifici e distretti che tengono conto di district heating/cooling e generazione energia termica decentralizzata.
- Priorità ad energie rinnovabili

EeB 6 – 2015: Integrated solutions of thermal energy storage for building applications

- Soluzioni avanzate per riduzione perdite di calore, di pressione, miglioramento scambi di calore

EeB 7 – 2015: New tools and methodologies to reduce the gap between predicted and actual energy performances at the level of buildings and blocks of buildings

- Sviluppo di metodologie e strumenti per monitorare la performance energetica degli edifici

EeB 8 – 2015: Integrated approach to retrofitting of residential buildings

- Uso energetico attraverso pompe di calore innovative,
- Combinare sorgenti di energie rinnovabili a livelli di edifici, recupero di calore per acqua e aria e sviluppo sistemi IT

Piano di Lavoro del tema „Secure, Clean and Efficient Energy” Energia sicura, pulita ed efficiente

- Le attività nel Work Programme contribuiscono a tre aree focali:
 - Efficienza energetica
 - Energia Low Carbon competitiva
 - Città e comunità intelligenti
- Le attività coprono il ciclo completo – dalla „prova del concetto”, alla ricerca applicata, dimostrazione per pre-commercializzazione e misure di market uptake
- Complementari a EeB, tec e non-tec. , market, politiche



Costruito sull'esperienza del Intelligent Energy Europe programme, questo PL include attività miranti a:

- Facilitare l'introduzione nel mercato di tecnologie e servizi energetici,
- Promuovere l'innovazione sociale
- Rimuovere le barriere non tecnologiche
- Promuovere standards
- Accelerare l'implementazione effettiva delle politiche energetiche dell'UE



Le attività di ricerca e dimostrazioni coprono le seguenti aree principali:

- **A Buildings and consumers**
- **B Heating and cooling**
- **C Industry and products**
- **D Finance for sustainable energy**

Contributo UE stimato per progetto: 1-5 M Eur

Societal Challenge n.10
Secure, clean and efficient energy

Topic	Budget		Tipo di azione	Scadenza
	2014	2015		
EE 1 – 2014: Manufacturing of prefabricated modules for renovation of buildings	8 mln	9 mln	Innovation	20 Marzo 2014
EE 2 – 2015: Buildings design for new highly energy performing buildings				9 Dicembre 2014
EE 3 – 2014: Energy strategies and solutions for deep renovation of historic buildings	5 mln	-	Research & Innovation	20 Marzo 2014
EE 4 – 2014: Construction skills	34,5 mln	32,8 mln	Coordination&Support	5 Giugno 2014
EE 5 – 2014/2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation				
EE 7 – 2014/2015: Enhancing the capacity of public authorities to plan and implement sustainable energy policies and measures				
EE 8 – 2014: Public procurement of innovative sustainable energy solutions				
EE 9 – 2014/2015: Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures				
EE 10 – 2014/2015: Consumer engagement for sustainable energy				
EE 14 - 2014/2015: Removing market barriers to the uptake of efficient heating and cooling solutions				
EE 15 – 2014/2015: Ensuring effective implementation of EU product efficiency legislation				
EE 16 – 2014/2015: Organisational innovation to increase energy efficiency in industry				
EE 17 – 2015: Driving energy innovation through large buyer groups				10 Giugno 2015
EE 11 – 2014/2015- New ICT-based solutions for energy efficiency	8,5 mln	8,5 mln	Research & Innovation	5 Giugno 2014

EEI – 2014: Manufacturing of prefabricated modules for renovation of buildings

- Processi manifatturieri innovativi per ridurre costi di prefabbricazione e facilitare processi di integrazione in edifici
Sviluppo di processi controllati e strumenti robotizzati.
- Principalmente attività dimostrative/prototipi. Partecipazione PMI.

EE 2 – 2015: Buildings design for new highly energy performing buildings

- Sviluppo e dimostrazione soluzioni per ridurre costi dei nuovi edifici con 'quasi zero-energy' livelli di performance.
- Focus su soluzioni per qualità aria indoor, soluzioni passive e attive con ER, sistemi di gestione energetica, condizionamento efficiente, stoccaggio risorse ER onsite e vicinanze.

EE 3 – 2014: Energy strategies and solutions for deep renovation of historic buildings

- Soluzioni Innovative e a costi contenuti per la ristrutturazione di edifici storici con miglioramento nella performance energetica

EE 4 – 2014: Construction skills

- Focus su schemi di riqualificazione, formazione per incrementare il numero di lavoratori del settore edile qualificati.
- Schemi basati sul roadmaps nazionali di formazione
- Anche coordinazione e misure complementari (certificazione volontaria, accreditazione, incentivi per attrarre donne nel settore delle costruzioni)

EE 5 – 2014/2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation

- Rimozione barriere di accesso ai mercati. Interventi per stimolare miglioramento nelle condizioni di mercato (i.e. Quelle capaci di influenzare l'uso energetico negli edifici in settori diversi: gestori di edifici, autorità pubbliche, industria delle costruzioni, developers, finanze etc.).

EE 7 – 2014/2015: Enhancing the capacity of public authorities to plan and implement sustainable energy policies and measures

- Proposte miranti a fornire la capacità ad autorità pubbliche di sviluppare, finanziare ed implementare politiche e piani di energie sostenibili.
- Focus su settori ad alto potenziale di risparmio energetico quali: costruzioni, industria e mobilità urbana.

EE 8 – 2014: Public procurement of innovative sustainable energy solutions

- Proposte miranti a migliorare la capacità delle autorità pubbliche e autorità di procurement (nazionali/regionali/locali) nell'acquistare i migliori prodotti, costruzioni e servizi di energie sostenibili.

EE 9– 2014/2015: Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures

- Azioni a larga scale miranti ad aumentare la capacità di specifici attori (utilities, industria, istituzioni finanziarie, ONG, associazioni di consumatori, etc..) aventi un ruolo nella definizione ed implementazione di politiche e misure di energie sostenibili definite dalle autorità pubbliche

EE 10 – 2014/2015: Consumer engagement for sustainable energy

- Proposte miranti a cambiare il comportamento dei consumatori.
- Prodotti principali reponsabili del consumo energetico (riscaldamento, luce, apparecchi domestici, etc.) e mercato di ER a piccola scala
- Attività di educazione anche con strumenti ICT, smart meters, audit energetici

EE II – 2014/2015- New ICT-based solutions for energy efficiency

- Sistemi IT innovativi per servizi e applicazioni utilizzando informazioni generate dai consumatori di energia (da social networks o sensori).
- Apps, giochi per responsabilizzare il consumatore

H2020 come orientarsi..

<http://ec.europa.eu/programmes/horizon2020/>



HORIZON 2020

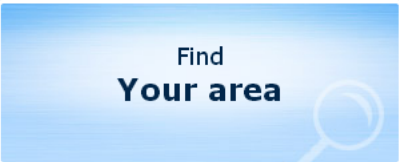
The EU Framework Programme for Research and Innovation

European Commission > Horizon 2020

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What is Horizon 2020?



Find Your area



Horizon 2020 Programme



How to Get funding?



Horizon 2020 launched with €15 billion over first two years
The European Commission has today for the first time presented calls for projects under Horizon 2020. Worth more than €15 billion over the first two years, the funding is intended to help boost Europe's knowledge-driven economy, and tackle issues that will make a difference in people's lives.

• • •

News & Events

National Launch Events and Thematic Events for Horizon 2020
From Wed, 8 Jan 2014 to Mon, 31 Mar 2014

For your convenience, we have put together a table of all the national launch events for Horizon 2020 as well as the thematic events.
[Read more...](#)

Info day on Open Disruptive Innovation & Innovation and Entrepreneurship Support in the Horizon 2020
Fri, 24 Jan 2014
Brussels, Belgium (Albert Borschette Conference Center, Rue Froissart 36, room AB - 20)



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HOW TO PARTICIPATE

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H2020 online manual

Reference Documents

Beneficiary Register

Financial Viability Self-Check

SME Participation

SME Participation

SME Instrument

The SME instrument has been designed specifically for **single or groups of highly innovative SMEs** with international ambitions, determined to turn strong, innovative business ideas into winners on the market. The instrument provides **full-cycle business innovation support** from the stage of business idea conception and planning (phase I) over business plan execution and demonstration (phase II) to commercialisation (phase III). Participants will be able to call on business innovation coaching for the duration of their project.

- **Phase I (proof-of-concept):** Explore the scientific or technical feasibility and commercial potential of your new idea in order to develop an innovation project, with the help of a € 50,000 grant, and receive more support in case of a positive outcome!
- **Phase II (development & demonstration):** Develop your sound, ground-breaking business idea further with the help of a grant in the order of € 500,000 to 2,5 million into a market-ready product, service or process!
- **Phase III (go-to-market):** Take advantage of additional EU support to enter the market successfully (no grants).

APPLY

Collaborative Projects (SME + partners)

Work with at least 2 international **partners** (separate legal entities) from different EU countries (at least 3 in total) and request EU project support! To find partners, you can use the assistance of various [partner search services](#).

APPLY

Access to Debt and Equity Financing

Discover where and how the EU can help your company to **access finance** for further business development.

For more information, please see the Work Programme part [Access to Risk Finance](#).

APPLY



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HORIZON 2020 DEDICATED SME INSTRUMENT - PHASE 1 2015

H2020-SMEINST-1-2015

Sub call of: [H2020-SMEInst-2014-2015](#)

Publication date	2013-12-11	Deadline Date	2015-12-16 +17:00:00 (Brussels local time)
		Intermediate deadlines(s)	2015-03-18 +17:00:00 (Brussels local time)
			2015-06-17 +17:00:00 (Brussels local time)
			2015-09-17 +17:00:00 (Brussels local time)
Budget	€26,557,000	Main Pillar	Industrial Leadership
Status	Open	OJ reference	OJ C361/9 of 11 December 2013

Call description

[Call documents](#)[Get support](#)[Subscribe to Notifications](#)

Call summary

The submission to this call will be open as of 1 January 2015.

The specific challenges of the topics which make use of the dedicated SME instrument are described in the respective parts of the work programmes of Societal Challenges and Leadership in Enabling and Industrial Technologies. A complete list of topics and indicative budgets are provided in the Innovation in SMEs Work Programme.

Cut-off dates:

18/03/2015**17/06/2015****17/09/2015**

Topics and submission service

- [BG-12-2015-1: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth](#)
- [Space-SME-2015-1: SME Instrument](#)
- [SIE-01-2015-1: Stimulating the innovation potential of SMEs for a low carbon energy system](#)
- [IT-1-2015-1: Small business innovation research for Transport](#)
- [SC5-20-2015-1: Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials](#)
- [INSO-9-2015-1: Innovative mobile e-government applications by SMEs](#)
- [INSO-10-2015-1: SME business model innovation](#)
- [DRS-17-2015-1: Critical infrastructure protection topic 7: SME instrument topic: Protection of Urban soft targets and critical infrastructures](#)



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Horizon 2020 dedicated SME Instrument - Phase 1 2015

H2020-SMEINST-1-2015

Sub call of: [H2020-SMEInst-2014-2015](#)

Publication date	2013-12-11	Deadline Date	2015-12-16 17:00:00 (Brussels local time)
		Intermediate deadlines(s)	2015-03-18 +17:00:00 (Brussels local time)
			2015-06-17 +17:00:00 (Brussels local time)
			2015-09-17 +17:00:00 (Brussels local time)

Total Call Budget €26,557,000

Main Pillar

Industrial Leadership

Status

Open

OJ reference

[OJ C361/9 of 11 December 2013](#)

Topic: Stimulating the innovation potential of SMEs for a low carbon energy system **SIE-01-2015-1**

Topic Description

[Topic Conditions & Documents](#)

[Submission Service](#)

Specific Challenge: SMEs play a crucial role in developing resource-efficient, cost-effective and affordable technology solutions to decarbonise and make more efficient the energy system in a sustainable way. They are expected to strongly contribute to all challenges outlined in the legal base of the Horizon 2020 Societal Challenge 'Secure, Clean and Efficient Energy'[1], in particular with regard to

- Reducing energy consumption and carbon footprint by smart and sustainable use (including energy-efficient products and services as well as 'Smart Cities and Communities'),
- Low-cost, low-carbon electricity supply (including renewable energy as well as CCS and re-use),
- Alternative fuels and mobile energy sources,
- A single, smart European electricity grid,
- New knowledge and technologies, and
- Robust decision making and public engagement.

Scope: The SME instrument consists of three separate phases and a coaching and mentoring service for beneficiaries. Participants can apply to phase 1 with a view to applying to phase 2 at a later date, or directly to phase 2.

In phase 1, a feasibility study shall be developed verifying the technological/practical as well as economic viability of an innovation idea/concept with considerable novelty to the industry sector in which it is presented (new products, processes, services and technologies or new market applications of existing technologies). The activities could, for example, comprise risk assessment, market study, user involvement, Intellectual Property (IP) management, innovation strategy development, partner search, feasibility of concept and the like to establish a solid high-potential



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 - Expert registration

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- ☐ Innovation in SMEs
- Societal Challenges**
- ☐ Health, demographic change and wellbeing
- ☐ Food security, sustainable agriculture and forestry, marine and maritime and inland water research
- ☒ Secure, clean and efficient energy
- ☐ Smart, green and integrated transport
- ☐ Climate action, environment, resource efficiency and raw materials
- ☐ Europe in a changing world - inclusive, innovative and reflective Societies

- Type**
- ☒ Proposal
 - ☐ Tender
- Status**
- ☒ Open
 - ☐ Closed
 - ☐ Forthcoming

Filter a call

FILTER

Sort by

☐ Title

☐ Call Id

☒ Publication Date

☐ Deadline Date

Societal Challenges

Energy Efficiency - Market Uptake
PDA
H2020-EE-2015-4-PDA

Pub.Date: 11/12/2013 Deadline: 10/06/2015

Societal Challenges

Energy Efficiency - Market Uptake
H2020-EE-2015-3 MarketUptake

Pub.Date: 11/12/2013 Deadline: 10/06/2015

Societal Challenges

Energy Efficiency Research &
Innovation
H2020-EE-2015-2-RIA

Pub.Date: 11/12/2013 Deadline: 10/06/2015

Societal Challenges

Energy Efficiency - PPP EeB and
SPIRE topics
H2020-EE-2015-1-PPP

Pub.Date: 11/12/2013 Deadline: 09/12/2014

Societal Challenges

Energy Efficiency - Market Uptake
H2020-EE-2014-3-MarketUptake

Pub.Date: 11/12/2013 Deadline: 05/06/2014

Societal Challenges

CALL - SMART CITIES AND
COMMUNITIES
H2020-SCC-2015

Pub.Date: 11/12/2013 Deadline: 03/03/2015

Societal Challenges

CALL - SMART CITIES AND
COMMUNITIES
H2020-SCC-2014

Pub.Date: 11/12/2013 Deadline: 07/05/2014

Societal Challenges

Energy Efficiency - Market Uptake
PDA
H2020-EE-2014-4-PDA

Pub.Date: 11/12/2013 Deadline: 05/06/2014

Societal Challenges

Energy Efficiency - PPP EeB and
SPIRE topics
H2020-EE-2014-1-PPP

Pub.Date: 11/12/2013 Deadline: 20/03/2014

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Results

Keyword Search:

Energy Efficiency

SEARCH

If you don't find your topic, you can also use the [free text search](#).

Open

Closed

Forthcoming

Status

Title

Call Id

Publication Date

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In addition, [see all the open calls](#) of Marie Skłodowska-Curie actions (MSCA) and European Research Council (ERC) grants for individual researchers of any nationality and research teams. The MSCA grants include opportunities for companies and SMEs. **The MSCA and ERC grants are not restricted to specific topics.**

Quick finder for topics linked to H2020 cross-cutting priorities:

Cross-cutting Key-Enabling Technologies (KETs)

International cooperation

ERA-NET

SME Instrument

Gender

Socio-economic sciences and humanities

Contractual Public-Private Partnerships (cPPPs)

Topic:

[Access networks for densely located users:EUJ-3-2014](#)

Specific Challenge:

The topic focus on technologies and system approaches to realize high

Call title:

[EU-Japan Research and Development Cooperation in Net Futures](#)

Call identifier:

[H2020-EUJ-2014](#)

Status:

Open

Deadline:

10-04-2014

Topic:

[Adaptable industrial processes allowing the use of renewables as flexible feedstock for chemical and energy applications:SPIRE-02-2014](#)

Specific challenge:

Use of biomass, residues and waste gases as feedstock/raw materials in

Call title:

[Call for SPIRE - Sustainable Process Industries](#)

Call identifier:

[H2020-SPIRE-2014](#)

Status:

Open

Deadline:

20-03-2014

Topic:

[Advanced 5G Network Infrastructure for the Future Internet:ICT-14-2014](#)

Specific Challenge:

As Internet usages are proliferating communications networks are faced with

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Keyword Search:

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Status

☒ Open
☐ Closed
☐ Forthcoming

Sort by

☒ Title
☐ Call Id
☐ Publication Date
☐ Deadline Date

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Cross-cutting Key-Enabling Technologies (KETs)	International cooperation
ERA-NET	SME Instrument
Gender	Socio-economic sciences and humanities
Contractual Public-Private Partnerships (cPPPs)	

Topic:

[Accelerating the uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs:NMP-25-2015](#)

Specific challenge: Research results should be taken up by industry, harvesting the hitherto

Call title:

[Horizon 2020 dedicated SME Instrument - Phase 2 2015](#)

Call identifier:

[H2020-SMEINST-2-2015](#)

Status:

Open

Deadline:

16-12-2015

Topic:

[Accelerating the uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs:NMP-25-2014-1](#)

Specific challenge: Research results should be taken up by industry, harvesting the hitherto

Call title:

[Horizon 2020 dedicated SME Instrument - Phase 1 2014](#)

Call identifier:

[H2020-SMEINST-1-2014](#)

Status:

Open

Deadline:

17-12-2014

Topic:

[Accelerating the uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs:NMP-25-2015-1](#)

Suggerimenti...

- Definire un'idea di progetto/budget
- Verificare requisiti obbligatori di partecipazione (siete una PMI?)
- Identificare la Call adatta
- Identificare partners
- Più partners dei minimi richiesti...



Grazie della vostra attenzione
ed a disposizione per ogni quesito