



UNIVERSITÀ
DEGLI STUDI
DI PALERMO

APRE
AGENZIA
PER LA
PROMOZIONE
DELLA
RICERCA
EUROPEA



Università degli Studi di Palermo

Palermo, 28 Febbraio 2014



HORIZON 2020

PROSPETTIVE ED OPPORTUNITÀ'



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www.apre.it



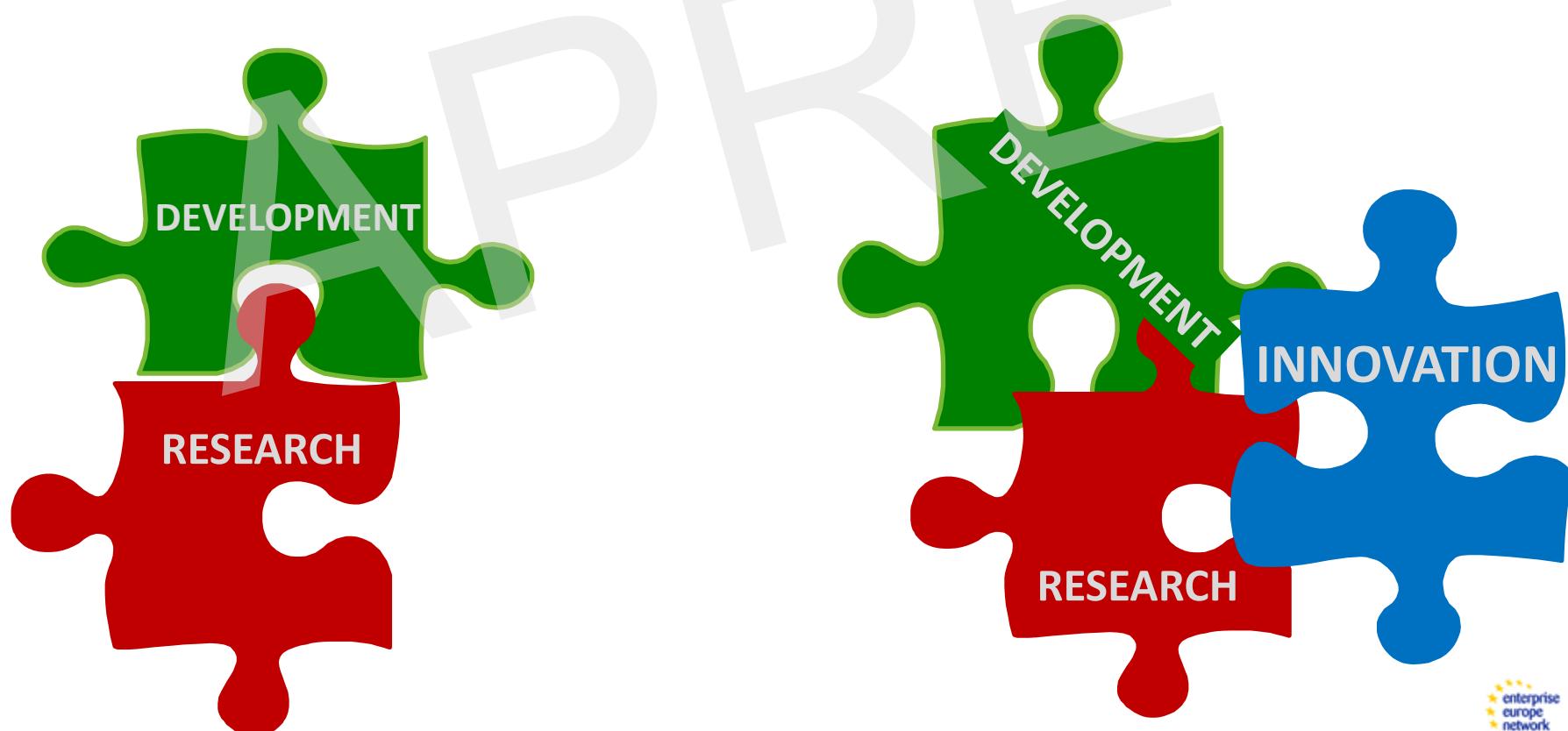
HORIZON 2020

CONTESTO E ARCHITETTURA, IMPLEMENTAZIONE E
TIPOLOGIE DI ATTIVITÀ



VERSO HORIZON 2020





Struttura del programma

Excellent Science

▪ European Research Council

- Frontier research by the best individual teams

▪ Future and Emerging Technologies

- Collaborative research to open new fields of innovation

▪ Marie Skłodowska Curie actions

- Opportunities for training and career development

▪ Research infrastructures

(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 reflective societies

▪ Security society

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

Horizon 2020: contesto politico e architettura

Europa 2020 e Innovation Union





29 % GDP



24 % R&D



7 % Population



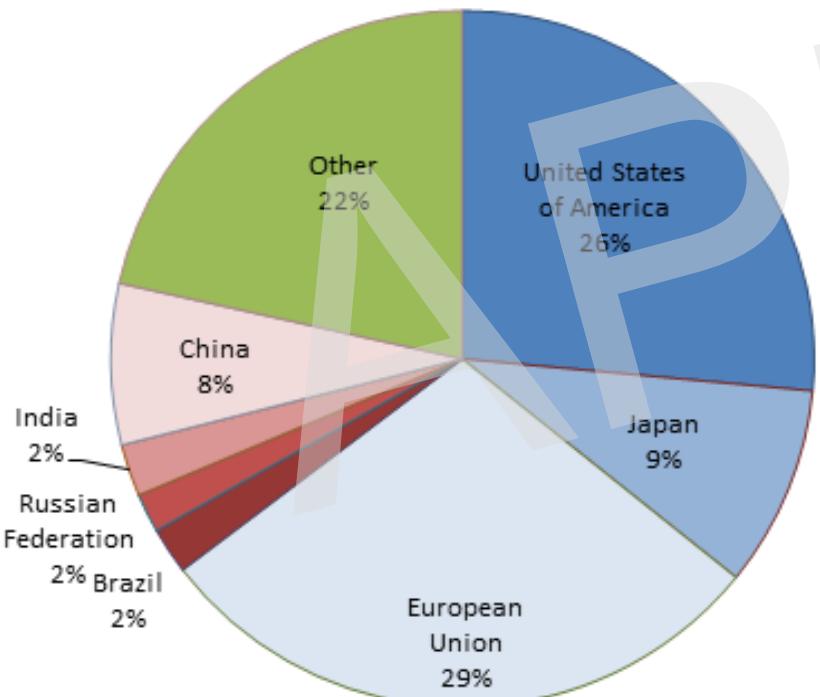
32 % Pub - Pat



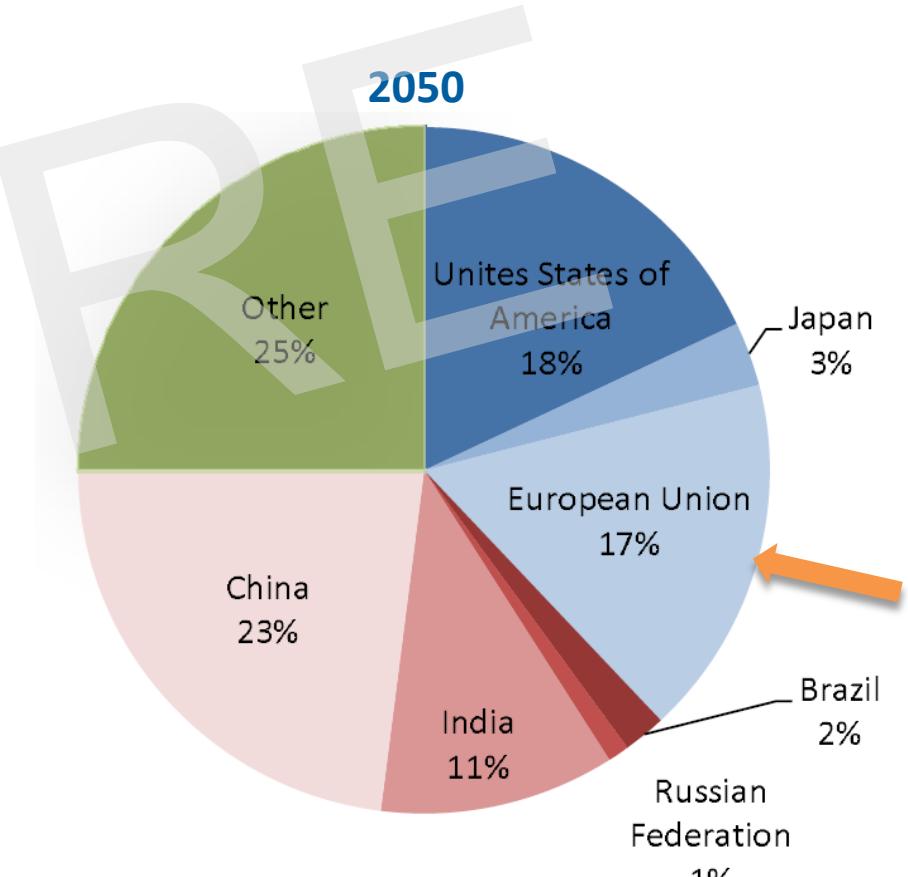


Scenari 2010 - 2050

2010



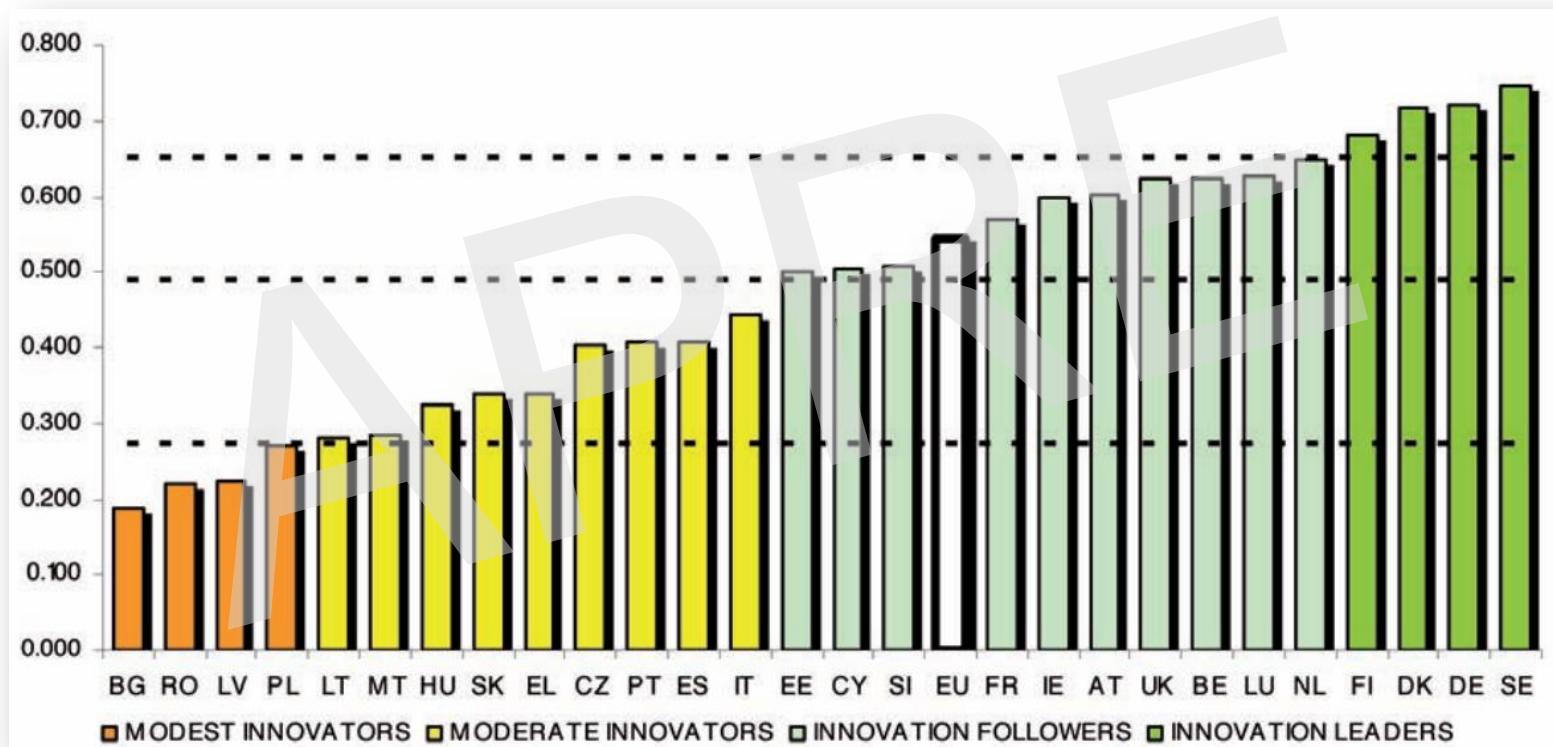
2050



World GDP (constant USD), Source: Global Europe 2050



Stati membri UE: innovation performance



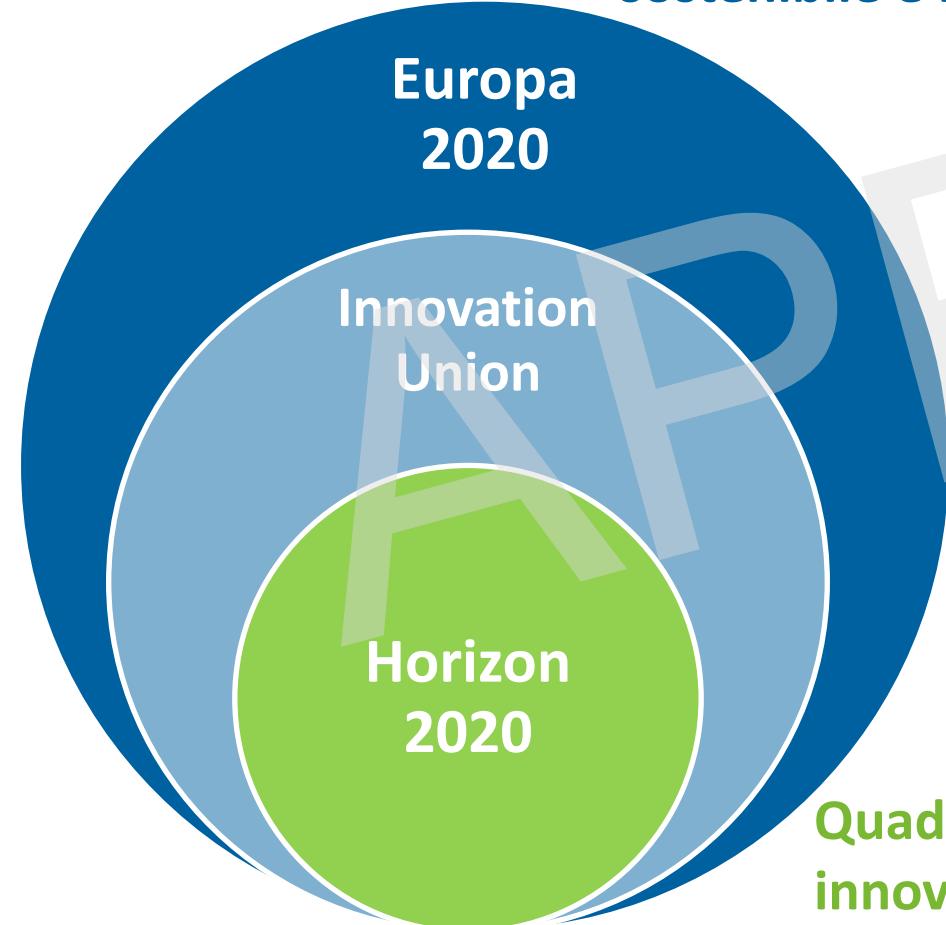
Indicatore generale composto da 24 indicatori – valori compresi tra 0 e 1

*Innovation Union Scoreboard 2013

http://ec.europa.eu/enterprise/policies/innovation/facts-figures-analysis/innovation-scoreboard/index_en.htm



Strategia per una crescita intelligente, sostenibile e inclusiva



Iniziativa faro di sostegno alla
ricerca e all'innovazione

Quadro strategico comune su ricerca e
innovazione (2014- 2020)



Europa 2020 - 5 obiettivi

OCCUPAZIONE

75% of the population aged 20-64 should be employed

R & INNOVAZIONE

3% del PIL dei Paesi EU investito in R&D

CLIMA / ENERGIA

A reduction of CO2 emissions by 20%

A share of renewable energies up to 20%

An increase in energy efficiency by 20%

FORMAZIONE

The share of early school leavers should be under 10%

At least 40% of the younger generation should have a degree or diploma

POVERTA'

20 million fewer people should be at risk of poverty



Le 7 “Flagship Initiatives”

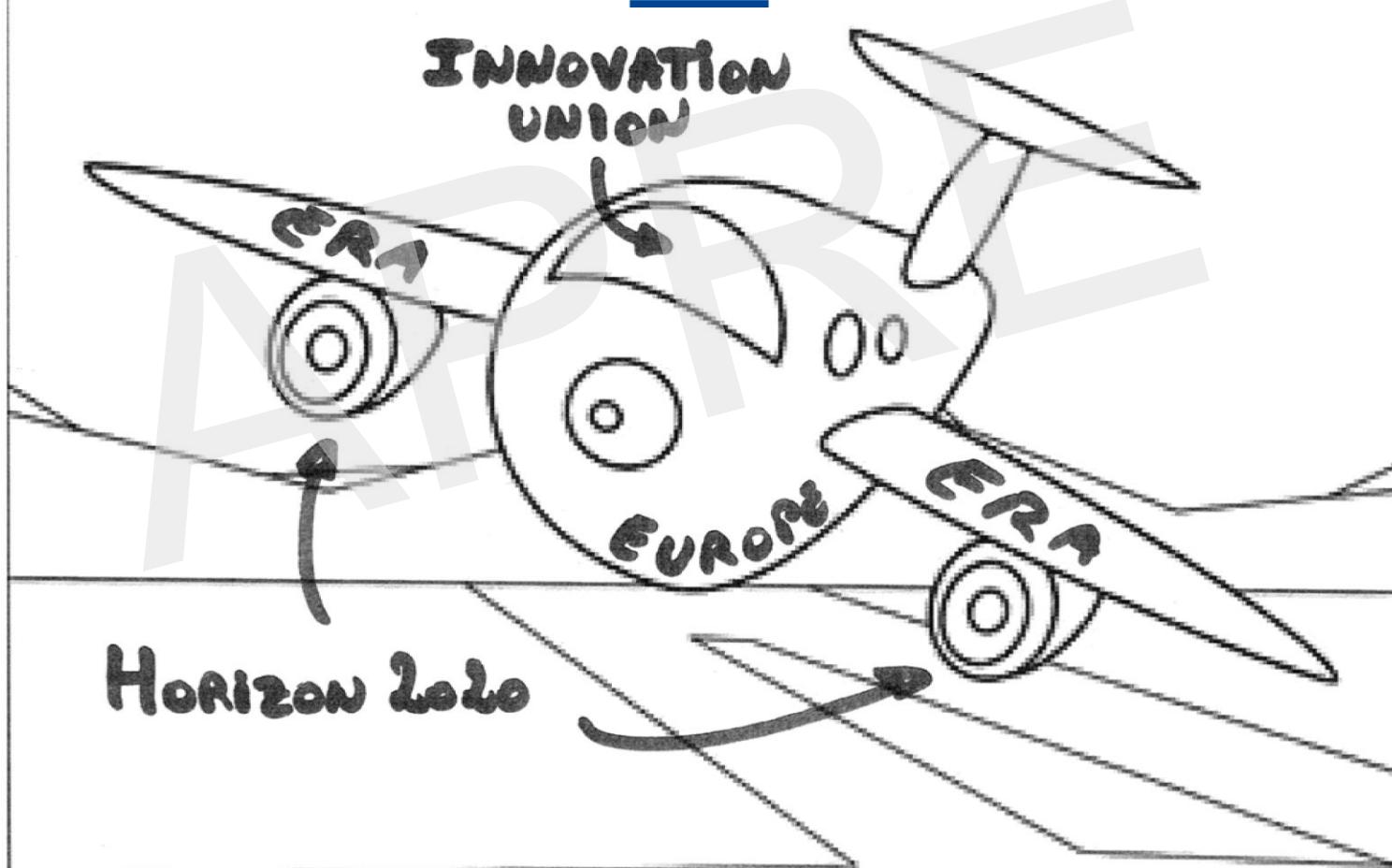
Smart Growth	Sustainable Growth	Inclusive Growth
Innovation « <u>Innovation Union</u> »	Climate, energy and mobility « Resource efficient Europe »	Employment and skills « An agenda for new skills and jobs »
Education « Youth on the move »	Competitiveness « An industrial policy for the globalisation era »	Fighting poverty « European platform against poverty »
Digital society « A digital agenda for Europe »		

La Innovation Union/1





**INNOVATION
UNION**



APRE

European Innovation Partnership





Le European Innovation Partnerships (EIP)

- Affrontare un **societal challenge** → focus tematico
- Innalzare il livello di **competitività** europea
- Colpire la **frammentazione** di programmi e risorse e stabilire priorità
- Ridurre il **time-to-market** delle nuove scoperte R&D

ATTRAVERSO

azioni lungo l'intera Research & Innovation chain

(semplificando e coordinando iniziative e strumenti esistenti, focus su demonstration, regolamentazioni e standard, mobilitando stakeholder...)





Le European Innovation Partnerships (EIP)/2

- Previsti dall'iniziativa «**Innovation Union**», una delle 7 Iniziative faro della nuova Strategia Europa 2020
- L'intento è di mettere alla prova un nuovo approccio per ricerca e innovazione in Europa
- Finalizzati ad una **specifica problematica**, concentrandosi sui benefici per la società
- Intervengono **su tutta la catena della ricerca e dell'innovazione**. Le partnership riuniscono tutti gli operatori rilevanti a livello di Unione, nazionale e regionale
- Servono a razionalizzare, semplificare e coordinare meglio iniziative e strumenti esistenti integrandoli all'occorrenza con nuove attività
- Ad oggi esistono **cinque EIP**



Quale EIP?

Active &
Healthy
Ageing



Agricultural
Productivity &
Sustainability



Raw Materials



Smart Cities &
Communities



Water





INNOVATION UNION

A Europe 2020 Initiative

European Commission > Innovation Union > European Innovation Partnerships

Home

Press Room

Innovation Union

- + Why?
- + Key initiatives
- + What it means to me

Key documents

Innovation made in the EU

EXPERIENCE INNOVATION

Innovation Union Lab

Videos

TALES FROM THE FUTURE

Innovation Union means
More jobs, improved lives, better society

European Innovation Partnerships

European Innovation Partnerships (EIPs) are a new approach to EU research and innovation. EIPs are challenge-driven, focusing on societal benefits and a rapid modernisation of the associated sectors and markets.

EIPs act across the whole research and innovation chain, bringing together all relevant actors at EU, national and regional levels in order to: (i) step up research and development efforts; (ii) coordinate investments in demonstration and pilots; (iii) anticipate and fast-track any necessary regulation and standards; and (iv) mobilise 'demand' in particular through better coordinated public procurement to ensure that any breakthroughs are quickly brought to market. Rather than taking the above steps independently, as is currently the case, the aim of the EIPs is to design and implement them in parallel to cut lead times.

EIPs streamline, simplify and better coordinate existing instruments and initiatives and complement them with new actions where necessary. This should make it easier for partners to co-operate and achieve better and faster results compared to what exists already. Therefore, they build upon relevant existing tools and actions and, where this makes sense, they integrate them into a single coherent policy framework. Flexibility is important; there is not a 'one-size-fits-all' framework.

EIPs are launched only in areas, and consist only of activities, in which government intervention is clearly justified and where combining EU, national and regional efforts in R&D and demand-side measures will achieve the target quicker and more efficiently.

European Innovation Partnership
Active & Healthy Ageing

European Innovation Partnership
on Agricultural Sustainability and Productivity

Proposed European Innovation Partnership
on Smart Cities and Communities

European Innovation Partnership
on Water

European Innovation Partnership
Raw Materials

http://ec.europa.eu/research/innovation-union/index_en.cfm?pg=eip



Informazione e monitoraggio on-line

The Innovation Union
Information and
Intelligence System



<http://i3s.ec.europa.eu/>

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Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)



CARATTERISTICHE

- Un **singolo programma** che riunisce tre iniziative fino ad ora separate
- **Value chain** che va dalla ricerca di frontiera , allo sviluppo tecnologico, dimostrazione, valorizzazione dei risultati e innovazione
- **Innovazione**, in tutte le sue forme
- Focus su **societal challenges**
- **Accesso semplificato** per le imprese, le università, etc in tutti gli stati europei
- Sinergie con i **Fondi Strutturali**



Cosa cambia?

7PQ

- Linear thematic calls
- Research plan
- Focus on R&D
- Quantity driven
- Resource intensive
- Linear approach (project design)
- Focus on output



Horizon 2020

- **Challenge based calls (inter-pillars)**
- Business plan
- **Focus on added value of Innovation**
- Demand/value driven
- Brain intensive (engineering)
- Synergistic approach (*programme engineering -SF*)
- Focus on outcome



THEMATIC
BASED

NEW CONCEPT

CHALLENGE BASED -
SYSTEMIC



Accordo sul Budget

*28 Giugno 2013



European
Commission



EUROPEAN PARLIAMENT

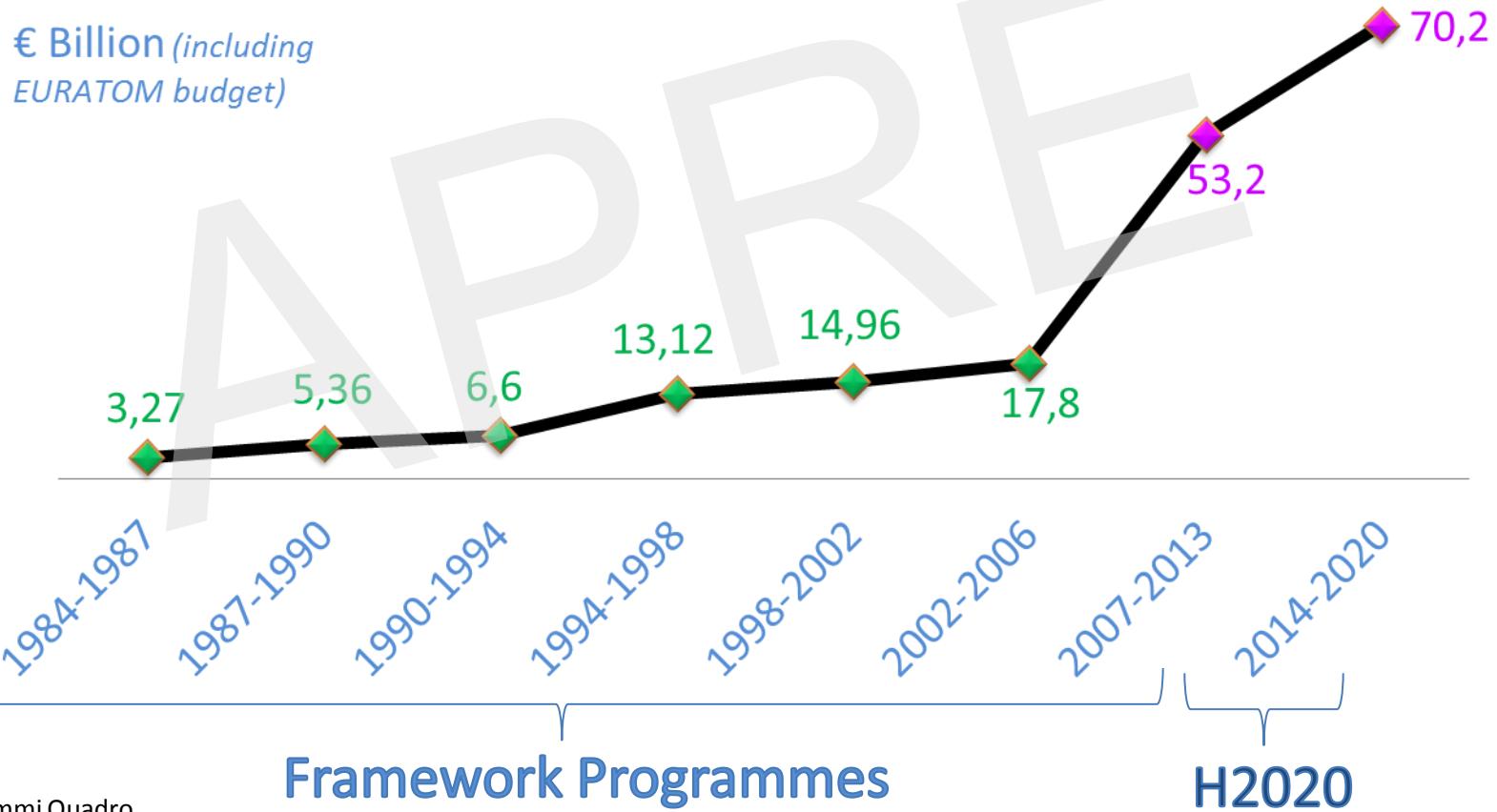


**70,2 Miliardi di € - prezzi costanti
(incluso EURATOM)**

78,6 Miliardi di € - prezzi correnti

Quadro finanziario pluriennale
2014/2020 - MFF

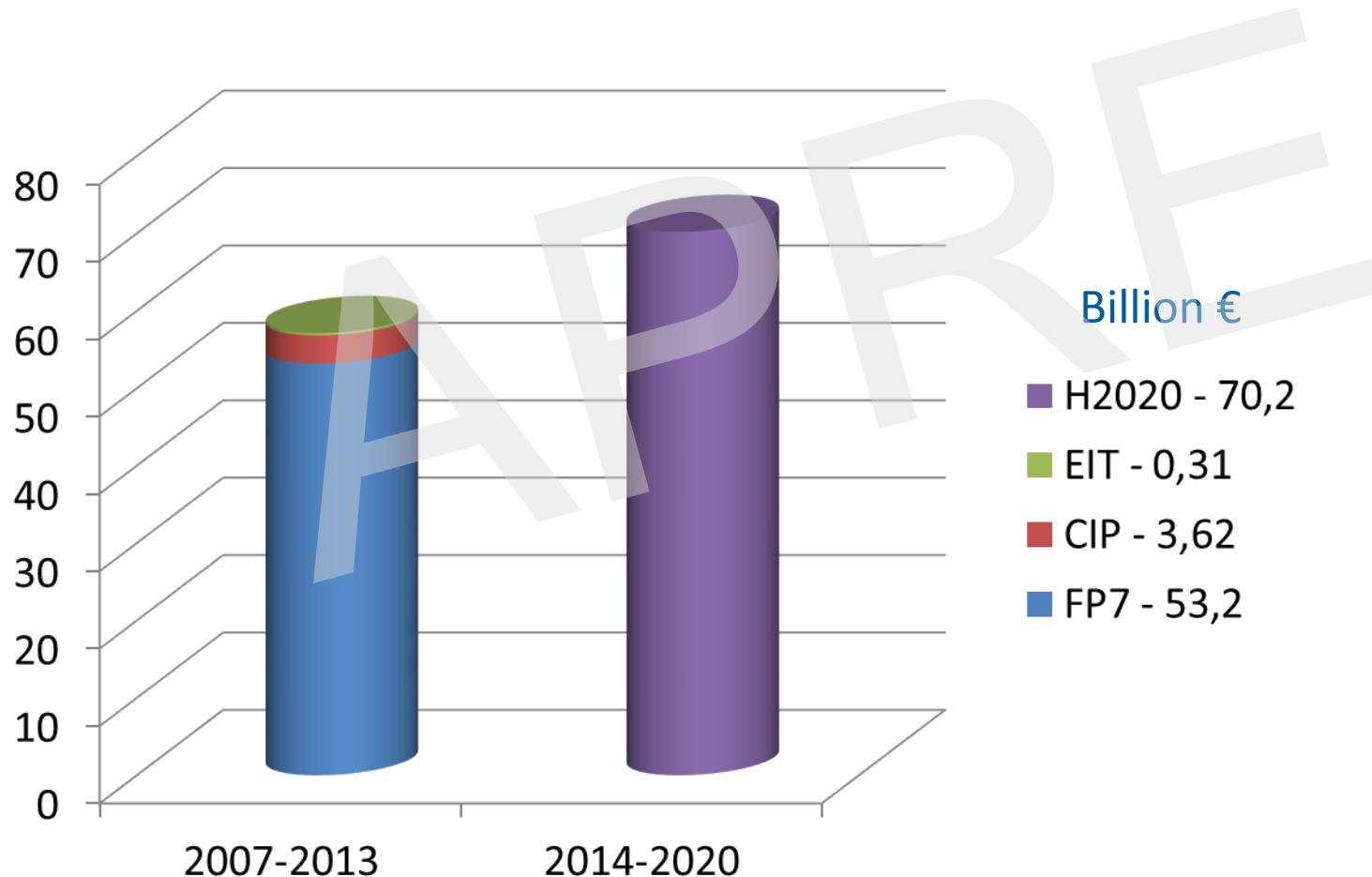
Budget da FP1 a Horizon 2020



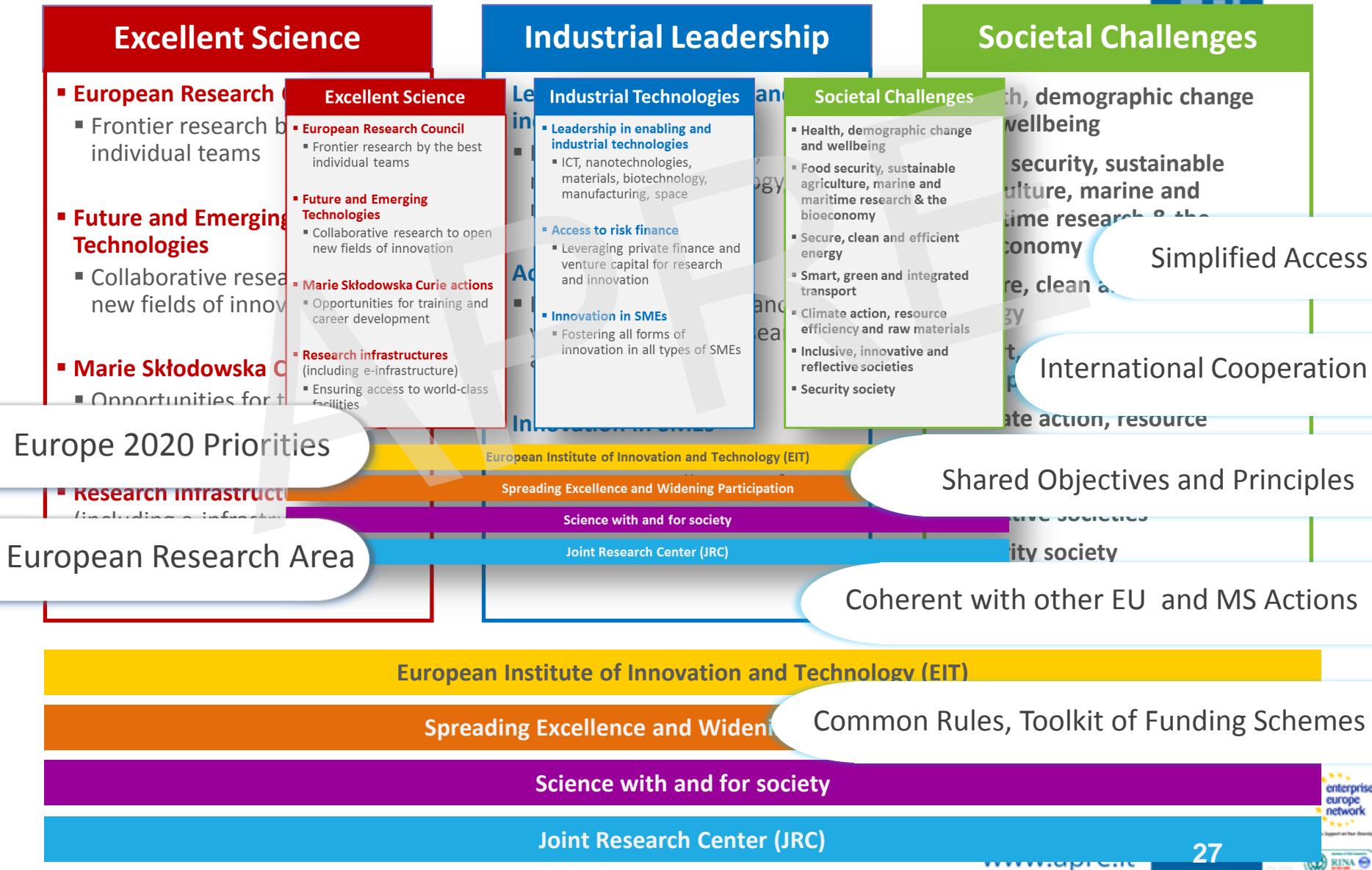
- Programmi Quadro quadriennali e quinquennali
- Programmi Quadro setteennali.



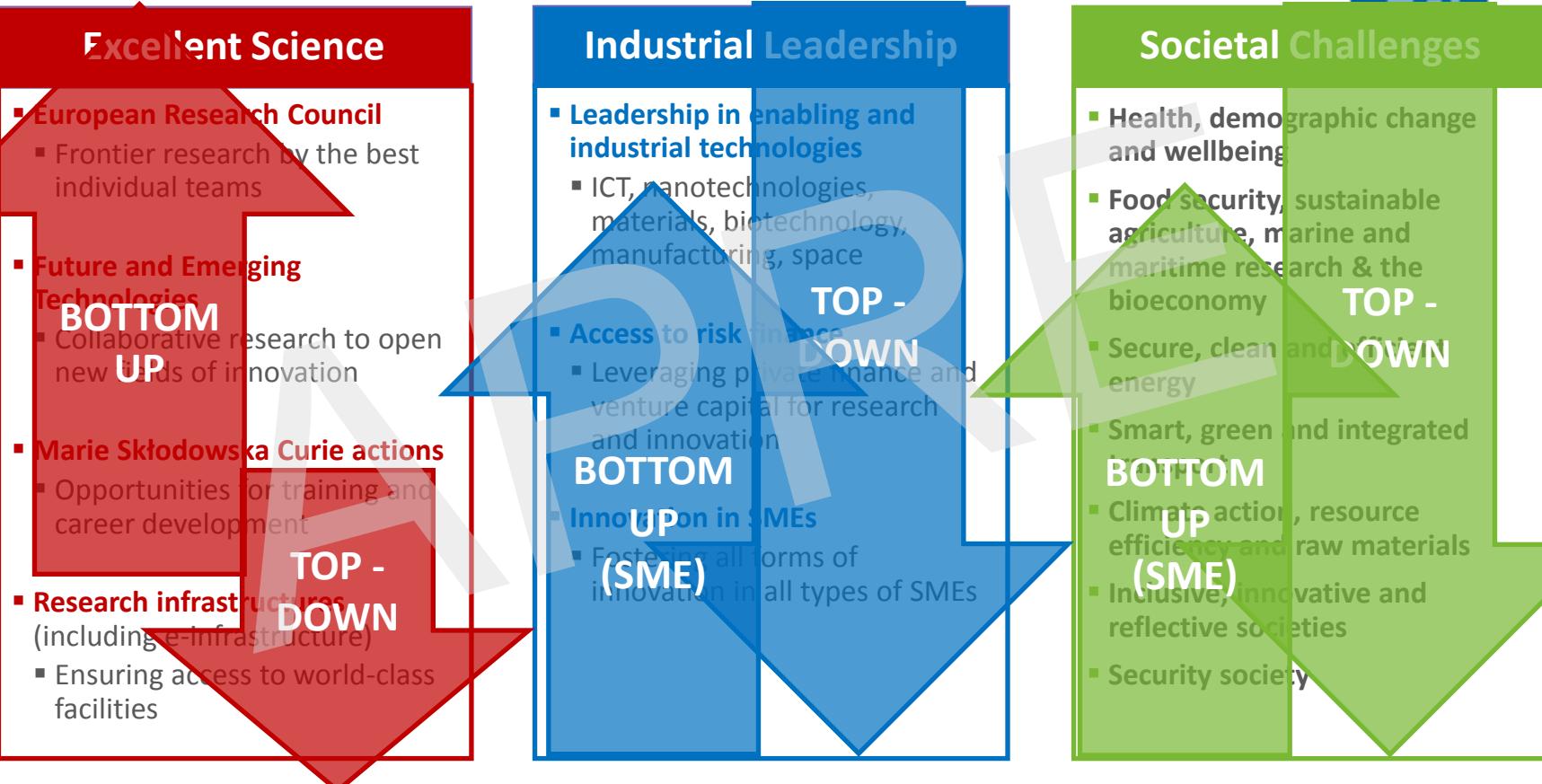
Budget: past & present



Struttura del programma



Struttura del programma



European Institute of Innovation and Technology (EIT)

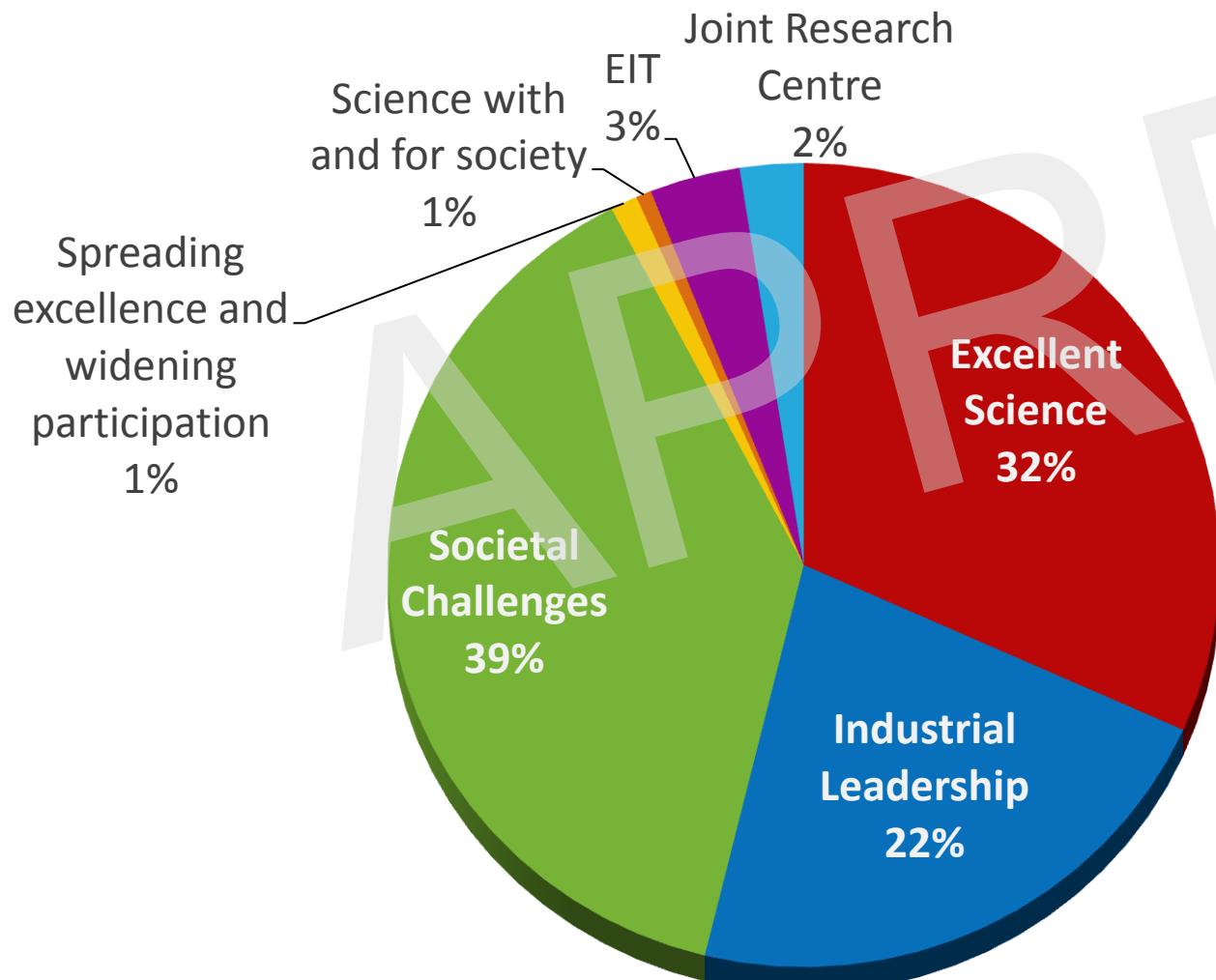
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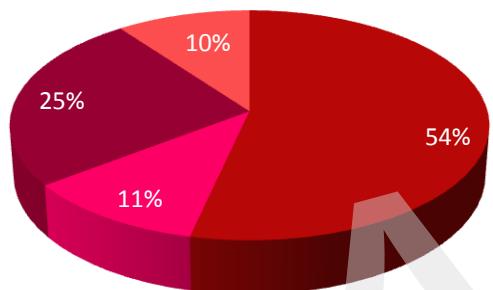
Ripartizione finanziaria





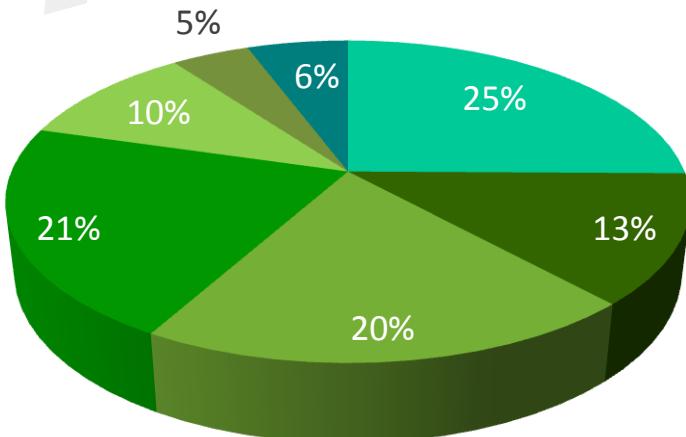
Il budget per le attività

Excellent Science

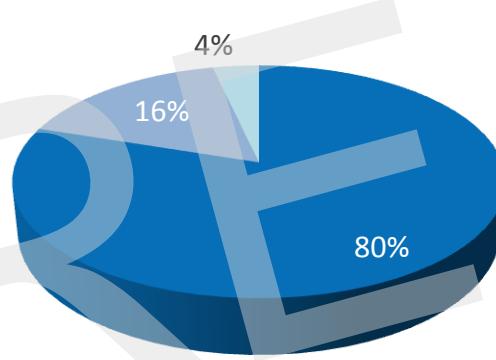


- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska Curie Actions
- European Research Infrastructures (including eInfrastructures)

Societal challenges



Industrial Leadership



- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs

■ Health, demographic change and wellbeing

■ Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy:

■ Secure, clean and efficient energy

■ Smart, green and integrated transport

■ Climate action, environment, resource efficiency and raw materials

■ Inclusive, innovative and reflective Societies

■ Secure Societies

	Compromise % 27.06.13	Million € (current prices)
I. Excellent Science, of which:		
1. ERC	31,73%	24.441
2. FET	17,00%	13.095
3. MS Curie Actions	3,50%	2.696
4. Research Infrastructures	8,00%	6.162
	3,23%	2.488
II. Industrial Leadership, of which:		
Leadership in Enabling and Industrial Technologies	22,09%	17.016
	17,60%	13.557
Access to Risk Finance	3,69%	2.842
Innovation in SME's	0,80%	616
III. Societal Challenges, of which:		
Health, demographic change and well being	38,53%	29.679
	9,70%	7.472
Food security, sustainable agriculture, marine and maritime research & the bio economy	5,00%	3.851
Secure, clean and efficient energy	7,70%	5.931
Smart, green and integrated transport	8,23%	6.339
Climate action, resource efficiency and raw materials	4,00%	3.081
Europe in a changing world – Inclusive, innovative and reflective society	1,70%	1.309
Secure societies – Protecting freedom and security of Europe and its citizens	2,20%	1.695
Spreading Excellence and Widening Participation	1,06%	816
Science with and for society	0,60%	462
European Institute of Innovation and Technology - EIT	3,52%	2.711
JRC Non-nuclear	2,47%	1.903
Total EU REGULATION	100,00%	77.028
Total EURATOM REGULATION 2014-2018	100,00%	1.603



ec.europa.eu/research/participants/portal/desktop/en/home.html

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RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT LOGIN REGISTER

Horizon 2020 Funding
Starting from 1/1/2014

On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- 2014-2020 Horizon 2020 - research and innovation framework programme
- 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

Non-registered users

- search for funding
- read the funding guide & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

WHAT'S NEW? **FUNDING OPPORTUNITIES** **HOW TO PARTICIPATE** **WORK AS AN EXPERT** **MY PERSONAL AREA** **INFORMATION AND SUPPORT**

RESEARCH ON EUROPA CORDIS OLAF

© European Communities

ortal/desktop/en/opportunities/h2020/index.html

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RESEARCH & INNOVATION
Participant Portal

ovation > Participant Portal > Calls

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT LOGIN REGISTER

Horizon 2020

Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

Industrial Leadership

- Leadership in enabling and industrial technologies(LEIT)
- Access to risk finance
- Innovation in SMEs

Filter a call

Type: Proposal Tender
Status: Open Closed Forthcoming

COSME

Other Funding Opportunities

Sort by Title Call Id Publication Date Deadline Date

Industrial Leadership BIOTECHNOLOGY H2020-LEIT-BIO-2015-1
Pub.Date: 11/12/2013 Deadline: 24/02/2015

Industrial Leadership BIOTECHNOLOGY H2020-LEIT-BIO-2014-1
Pub.Date: 11/12/2013 Deadline: 12/03/2014

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-ERA-NET-2015
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-CSA-2015
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-PILOTS-2015
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-GV-2014
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-CSA-2014
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-2014-two-stage
Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-2015-two-stage
Pub.Date: 11/12/2013 Deadline: 26/03/2015

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



1° PILLAR

EXCELLENT SCIENCE



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OBIETTIVI

L' **ERC** incoraggia proposte che

- superino le *tradizionali barriere* tra le discipline
- trattano *settori nuovi ed emergenti*
- *high-risk, high-gain*
- *ground-breaking*



L' **ERC** finanzia i migliori ricercatori e la ricerca di frontiera

- Valutazione basata sul solo principio dell'*eccellenza*
- Approccio *Bottom up*
- *Grants* finanziariamente consistenti



FET – three complementary funding scheme

Open, light and agile

Roadmap based research

FET-Open

Early Ideas

Uncorrelated
Research projects

**EXPLORING
NOVEL IDEAS**

FET Proactive

*Exploration and
Incubation*

Topical clusters
of research projects

**DEVELOPING
TOPICS & COMMUNITIES**

FET Flagships

*Large-Scale
Partnering
Initiatives*

Common research
agendas

**ADDRESSING
GRAND CHALLENGES**

Marie Skłodowska-Curie Actions - MSCA

ITN

(including EID and IDP)



Innovative Training Networks (ITN)

Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors

IEF

IOF

IIF

CIG



Individual Fellowships (IF)

Individual fellowships for most promising experienced researchers to develop their skills through international or inter-sector mobility

IAPP

IRSES



R&I Staff Exchange (RISE)

International and inter-sector cooperation through the exchange of research and innovation staff

COFUND



COFUND

Co-funding of regional, national and international programmes



European Research Infrastructures (ERI)

- Per definizione vengono considerate **Infrastrutture di Ricerca (IR)** risorse e servizi utilizzate da ricercatori o imprese per attività di ricerca e innovazione e comprendono: grandi attrezzature scientifiche, archivi, database, oltre che le tecnologie ICT (software, super calcolatori...). Le IR possono quindi essere localizzate in un solo luogo, distribuite, fisse, mobili o virtuali e possono essere utilizzate anche per attività legate all’istruzione e a servizi pubblici.
- Le IR sono fondamentali per la competitività oltre e per l’innovazione scientifica dell’Europa.
- Il work programme di ERI finanzia attività votate all’incremento del potenziale innovativo delle infrastrutture di ricerca, rafforzandone i partenariati con l’industriale, aprendole all’uso da parte dei ricercatori industriali, promuovendo il trasferimento di conoscenza, ecc.



Synchrotron SOLEIL – IPANEMA; Archives of the British Museums; PRACE Partnership for Advanced Computing in Europe; Polar and Marine Research Vessel; Radioastronomical facilities



ERI – WP 2014/2015

Calls

- 1. SVILUPPO DI NUOVE INFRASTRUTTURE A LIVELLO MONDIALE**
- 2. INTEGRAZIONE E APERTURA DELLE INFRASTRUTTURE DI INTERESSE PANEUROPEO**
- 3. INFRASTRUTTURE INFORMATICHE E DI COMUNICAZIONE**
- 4. SUPPORTO ALL'INNOVAZIONE, RISORSE UMANE, STRATEGIA E COOPERAZIONE INTERNAZIONALE**

2° PILLAR

INDUSTRIAL LEADERSHIP



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COSA SONO LE KET?

Key Enabling Technologies

Tecnologie "ad alta intensità di conoscenza e associate ad elevata intensità di R & S, a cicli d'innovazione rapidi, a consistenti spese di investimento e a posti di lavoro altamente qualificati. Rendono possibile l'innovazione nei processi, nei beni e nei servizi in tutti i settori economici e hanno quindi rilevanza sistematica. Sono multidisciplinari, interessano tecnologie di diversi settori e tendono a convergere e a integrarsi. Possono aiutare i leader nelle tecnologie di altri settori a trarre il massimo vantaggio dalle loro attività di ricerca"

* Current situation of key enabling technologies in Europe, SEC (2009)

Photonics

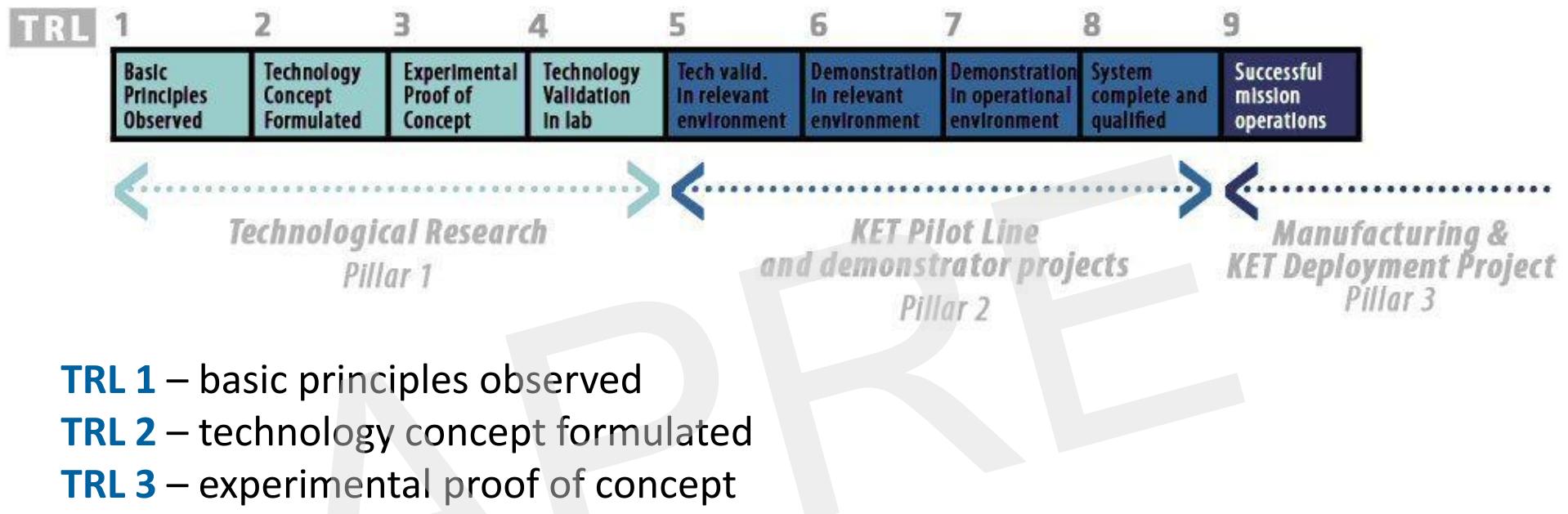
Manufacturing

Biotechnology

Advanced Materials

Micro/Nanoelectronics

Nanotechnologies



TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrial environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrial environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

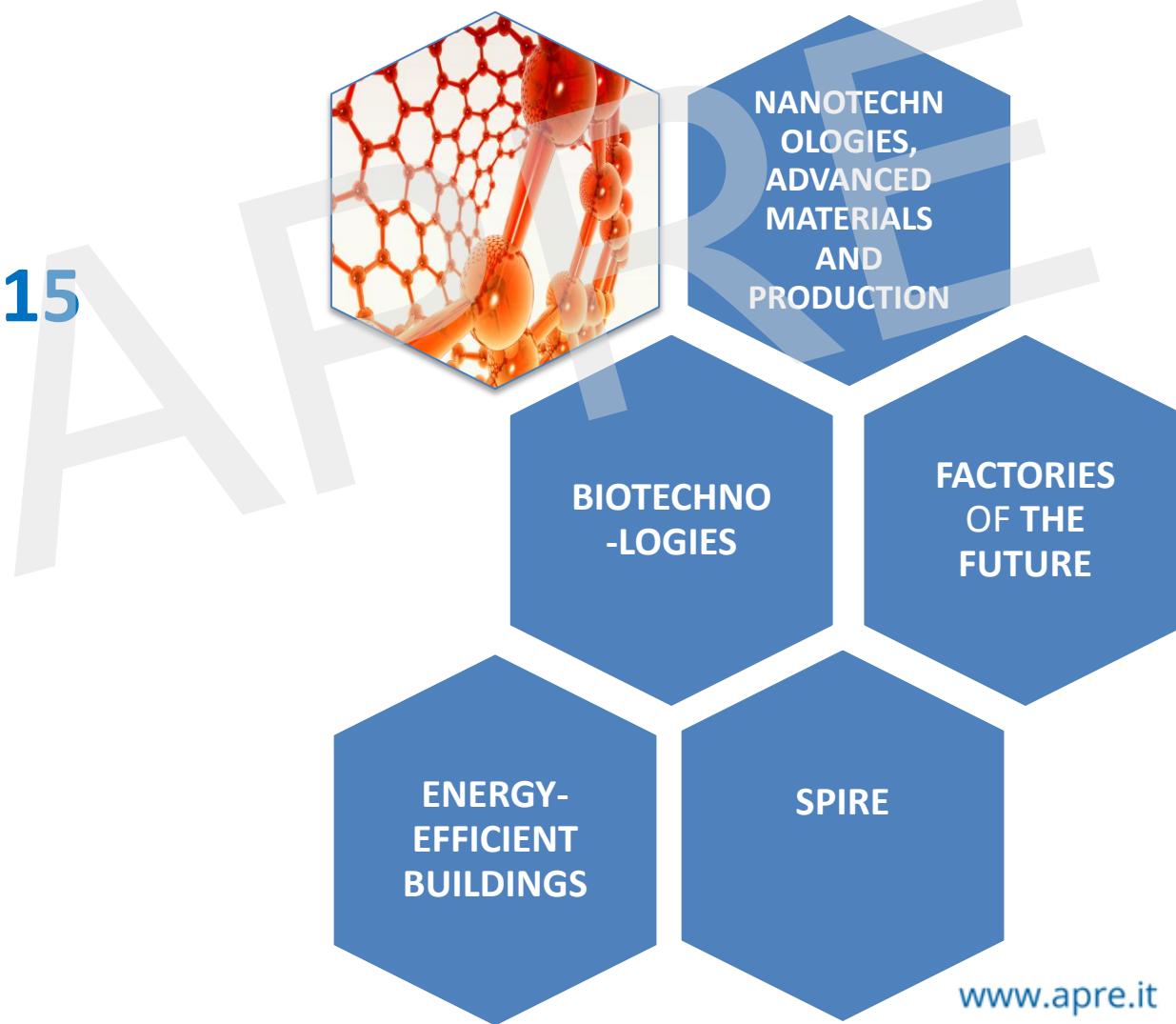
TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)



NMPB - Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Calls

2014/2015





ICT – LEIT calls (WP)

1. Components and systems
 2. Advanced Computing
 3. Future Internet
 4. Content technologies and information management
 5. Robotics
 6. Key Enabling Technologies:
Micro- nano-electronics and photonics
- + Factory of the Future cPPP
- + International Cooperation actions (EU-Brazil, EU-Japan)

ICT Cross cutting activities:

- Internet of Things
- Human-centric Digital Age
- Cybersecurity
- Support to NCPs

ICT Innovation actions

- Access to finance
- Innovation policy support
- Open disruptive innovation scheme (SME instrument)

ICT IN H2020

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Science with and for society

Joint Research Center (JRC)

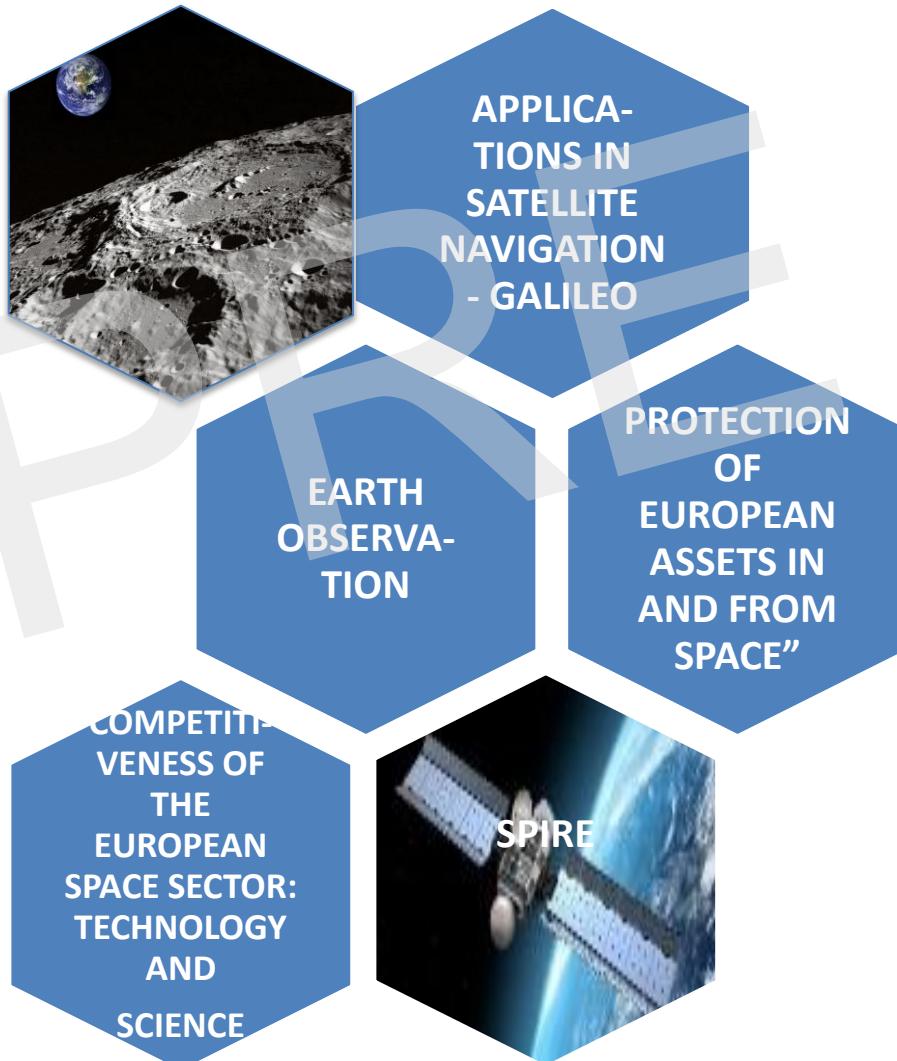


SPACE

CALLS

2014/2015

APRE





3° PILLAR

SOCIETAL CHALLENGES



Struttura del programma

Excellent Science

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

Industrial Technologies

- 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 reflective societies
- Security society

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)



SC1 Health, Demographic Change And Wellbeing

CALLS -
FOCUS AREA
WP 2014 - 15

A





SC2 - European Bioeconomy Challenges:

Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research

FOCUS AREA

2014 -2015:





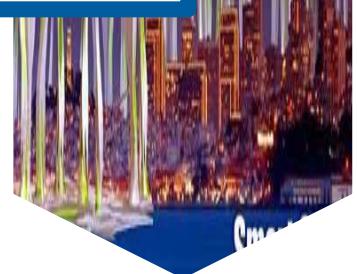
SC3. Secure, Clean And Efficient Energy

CALLS - FOCUS AREA WP 2014 - 15

- Renewable electricity and heating/cooling
- Modernising the single European electricity grid
- Providing the energy system with flexibility through enhanced energy storage technologies
- Sustainable biofuels and alternative fuels for the European transport fuel mix
- Enabling the sustainable use of fossil fuels in the transition to a low-carbon economy



COMPETITIVE
LOW – CARBON
ENERGY



SMART CITIES
AND
COMMUNITIES

- Buildings and consumers
- Heating and cooling
- Industry and products
- Finance for sustainable energy





SC4 Smart, Green and Integrated Transport

CALLS -
FOCUS AREA
WP 2014 - 15





SC5. Climate Action, Resource Efficiency and Raw Materials

CALLS - FOCUS AREA WP 2014 - 15

- Fighting and adapting to climate change
- Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystem
- Ensuring the sustainable supply of non-energy and non-agricultural raw materials
- Enabling the transition towards a green economy through eco-innovation
- Developing comprehensive and sustained global environmental observation and information systems
- Cultural Heritage





SC6 Europe in a changing world – Inclusive, Innovative and Reflective societies

**CALLS -
FOCUS AREA
WP 2014 - 15**

APRE





SC7 Secure Societies: Protecting Freedom And Security of Europe and its Citizens

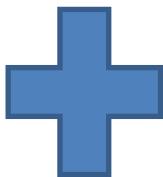
CALLS - FOCUS AREA WP 2014 - 15

- Crisis Management and Civil protection with a view to strengthening prevention and preparedness against natural and man-made disasters by underpinning an all-hazard approach to risk assessment across the EU
- ...developing solutions, for climate change adaptation in areas affected by natural disasters
- Critical Infrastructure Protection...
- Communication Interoperability facilitating disaster management...
- Ethical/Societal Dimension.





816 M€



Spreading Excellence and Widening Participation

Horizon 2020 introduces specific measures for spreading excellence and widening participation through engaging those who commit less in the EU research and innovation effort. This will greatly enhance competitiveness.



SPREADING EXCELLENCE AND WIDENING PARTICIPATION

TEAMING &
TWINNIG

ERA CHAIRS

POLICY SUPPORT
FACILITY
(COST Action)

TEAMING AND TWINNING: create new Centres of Excellence and expertise and encourage pan-European networking among researchers with a strong focus on excellence and innovation. They will build on knowledge transfer and, exchange of best practice between research institutions, building on the strengths of leading partners.



SPREADING EXCELLENCE AND WIDENING PARTICIPATION

ERA CHAIRS: bring outstanding researchers to universities and other research institutions that have high potential for research excellence. On their side, institutions should mobilise support from different funding sources, including from the European Structural and Investment Funds, to invest in facilities and infrastructures in the context of Smart Specialisation Strategic Policy Frameworks and commit to institutional change and a broader support to innovation.

A **POLICY SUPPORT FACILITY:** inform better the formulation and optimisation of research and innovation policies in low performing Member States and regions aiming to make them more competitive at European level by offering expert advice to public authorities. Efforts to improve the international experience and networking capacities of peripheral institutions will be made by stimulating their participation with cross-border science networks through dedicated *COST* activities, connecting unexploited pockets of excellence throughout Europe.



462 M€



Science with and for society

"Science with and for Society shall build effective cooperation between science and society, recruit new talent for science and pair scientific excellence with social awareness and responsibility"



SCIENCE WITH AND FOR SOCIETY

- Call for **making Science Education and careers attractive for young people**;
- Call for **promoting Gender equality in Research and innovation**;
- Call for **integrating Society in Science and Innovation**;
- Call for **developing Governance for the advancement of Responsible Research and Innovation**;
- Call for **Strategic Activities**: networking and sharing knowledge about Science with and for Society

Strategic programming approach

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1		Strategic Programme				
Work Programmes mirror the strategic programme and are updated over the same 2-year cycle		Work Programme 2			Strategic Programme	
					Work Programme 3	
						Work Programme 4
Smaller and continuous updates to respond to unexpected developments						
Calls published on basis of WP	Ad hoc financing decision	Calls published on basis of WP	Ad hoc financing decision	Calls published on basis of WP	Ad hoc financing decision	Calls published on basis of WP

Leitmotif of the first work programme is the



A STRATEGIC PROGRAMMING APPROACH

- Work programme elaborato sulla base di una programmazione strategica
- Per aumentare l'impatto del finanziamento e per un maggiore approccio integrato
- 'Key drivers' usate per identificare le aree sulle quali le risorse e gli sforzi devono essere focalizzati per massimizzare il loro impatto

competitività sostenibile, l'innovazione e la crescita;

coinvolgimento dell'industria, incluse le PMI;

accesso ai finanziamenti;

sviluppo di nuove conoscenze e miglioramento delle skills;

diffusione di tecnologie abilitanti;

misure per affrontare il *divide* tra ricerca e innovazione;

sostegno forte partnership con gli Stati membri, e

approccio strategico alla cooperazione internazionale.

PERSONALISING HEALTH AND CARE

SC1 - Health
SC2 - Bioeconomy

SUSTAINABLE FOOD SECURITY

SC2 - Bioeconomy

BLUE GROWTH: UNLOCKING THE POTENTIAL OF THE OCEANS

SC2 – Bioeconomy
SC3 – Energy
SC4 – Transport
SC5 – Environment

SMART CITIES AND COMMUNITIES

SC3 – Energy
SC4 – Transport

COMPETITIVE LOW-CARBON ENERGY

SC3 – Energy

ENERGY EFFICIENCY

SC3 – Energy
SC5 – Environment

MOBILITY FOR GROWTH

SC4 – Transport

WASTE: A RESOURCE TO RECYCLE, REUSE AND RECOVER RAW MATERIALS

SC5 – Environment
SC2 – Bioeconomy
LEIT – NMPB

WATER INNOVATION: BOOSTING ITS VALUE FOR EUROPE

SC5 – Environment
SC2 – Bioeconomy
LEIT – NMPB

OVERCOMING THE CRISIS: NEW IDEAS, STRATEGIES AND GOVERNANCE STRUCTURES FOR EUROPE

SC6 – SSH

DISASTER-RESILIENCE: SAFEGUARDING SOCIETY AND ADAPTING TO CLIMATE CHANGE

SC7 – Security
SC5 – Environment

DIGITAL SECURITY

SC7 – Security



Work Programme TOPICS

Structure

SPECIFIC
CHALLENGE

SCOPE

EXPECTED
IMPACT

- sets the context, the problem to be addressed, why intervention is necessary

- delineates the problem, specifies the focus and the boundaries of the potential action BUT without describing specific approaches

- describe the key elements of what is expected to be achieved in relation to the specific challenge

TOPIC ICT

Esempio

ICT 29 – 2014 Development of novel materials and systems for OLED lighting³⁵

Specific Challenge: In the last 10 years, European industry (both SMEs and large companies) has made significant investments in OLED technologies, i.e., materials, devices and manufacturing processes. However, major S&T progress and research and innovation (R&I) investments are required in OLEDs, in particular for the realisation of flexible, high brightness light sources over large areas. The further technological development of OLEDs is expected to give Europe a leading position on the world general lighting market and create new manufacturing jobs for novel consumer products. Moreover, the move to OLEDs would help in reducing the amount of electricity consumed by lighting and limiting carbon dioxide emissions.

Scope:

Research & Innovation Actions should focus on materials, process and device technology for OLED lighting. The aim is to realise OLED devices over larger surfaces, with higher brightness, larger uniformity and longer lifetimes. A demonstrator should be provided at the end of every project. A specific target for OLED lighting is energy efficacy of above 100 lm/W, considering also improved out-coupling efficiency. The materials have to allow for a competitive lifetime for all colours and white light (lifetime of several hundred hours at 97% of the original intensity). Attention should be paid to recyclability issues and the environmental impact of the materials and systems as appropriate. Proposals should involve material suppliers, OLED manufacturers or suppliers and OLED system integrators.

Expected impact:

- Cost performance breakthroughs - lighting systems with production costs of 1€/100 lm.
- Secured and reinforced industrial technology leadership and substantially increased market presence in lighting.
- Improved business opportunities and value creation in Europe in lighting by reinforced cooperation along the value chain.

Type of Action:

Research & Innovation Actions – *Proposals requesting a Small contribution are expected*

The conditions related to this topic are provided at the end of this call and in the General Annexes.



SOGGETTI GIURIDICI PARTECIPANTI (ART.6)/ ELEGGIBILITA' PER IL FINANZIAMENTO (ART.9)

CHI PUO' PARTECIPARE?

- Qualsiasi soggetto giuridico, universita' o centro di ricerca stabilito in uno stato membro o associato* o in un paese terzo
- JRC (Joint Research Centre)
- Organizzazioni internazionali di interesse EU
- Organizzazioni internazionali e soggetti stabiliti in paesi terzi in aggiunta alle condizioni minime

* Albania, Bosnia-Herzegovina, Croazia, FYR Macedonia, Islanda, Israele, Liechtenstein, Montenegro, Norvegia, Serbia, Svizzera, Turchia

CHI PUO' RICEVERE IL FINANZIAMENTO?

- Qualsiasi soggetto giuridico, universita' o centro di ricerca stabilito in uno stato membro o associato o in un paese terzo
- JRC (Joint Research Centre)
- Paesi ICPC
- Organizzazioni internazionali di interesse EU

Organizzazioni internazionali e soggetti stabiliti in paesi terzi non ICPC solo eccezionalmente se previsto dal WP/accordo bilaterale oppure se essenziale per l'azione

POSSIBILITA' DI JOINT CALL CON I PAESI TERZI E LE ORG. INTERNAZIONALI

CONDIZIONI MINIME DI PARTECIPAZIONE (ART.8)

3 SOGGETTI GIURIDICI indipendenti stabiliti in
3 diversi stati membri o associati

1 SOLO PARTECIPANTE

ERC, SME Instrument, Azioni Co-fund, CSA, Azioni A
Supporto Della Mobilita' E Della Formazione Dei Ricercatori
(Marie Curie)



CONDIZIONI AGGIUNTIVE: possono essere previste nel work programme (n. di partecipanti, tipologie di partecipanti, etc...)

APRE

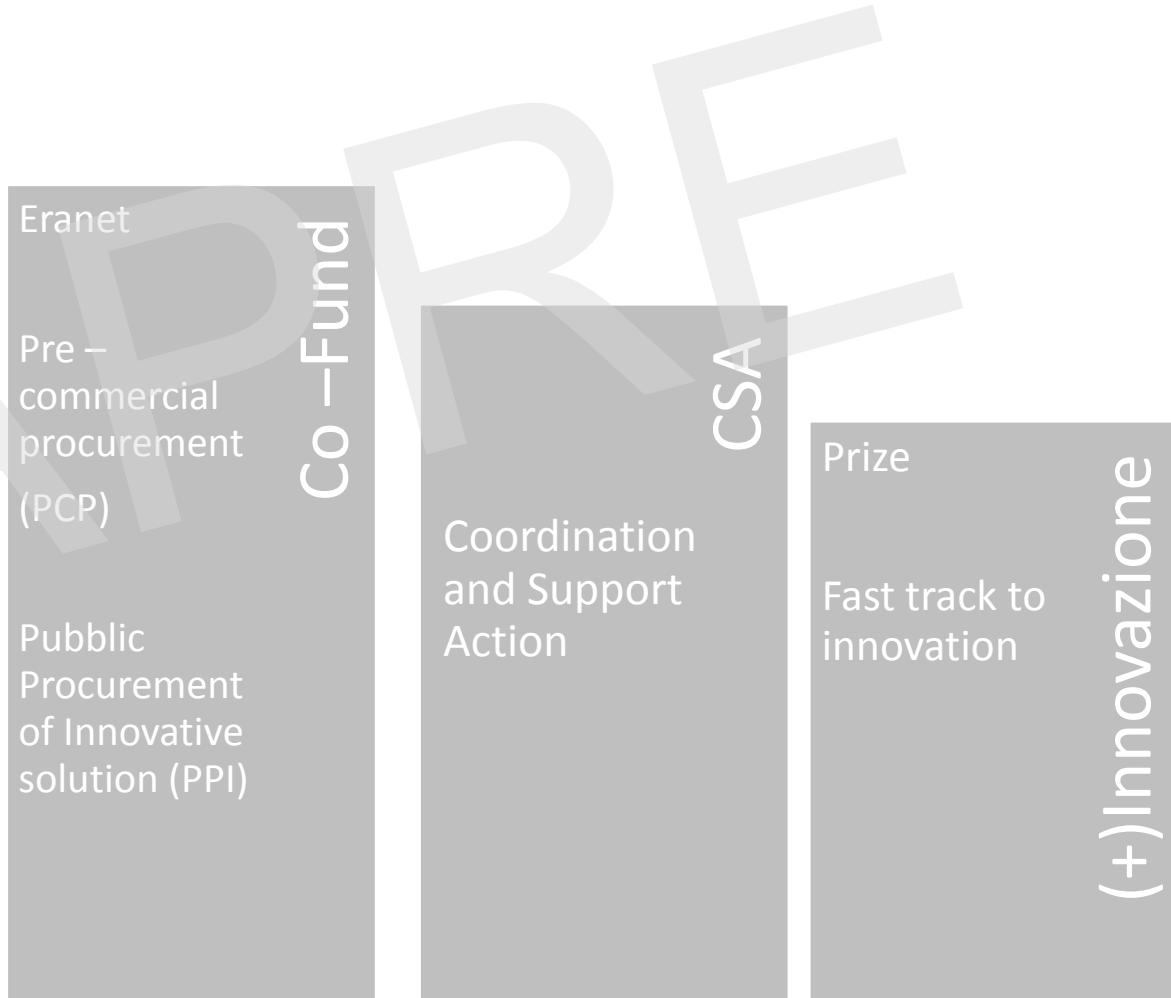
TIPOLOGIE DI AZIONI



TIPOLOGIE AZIONI

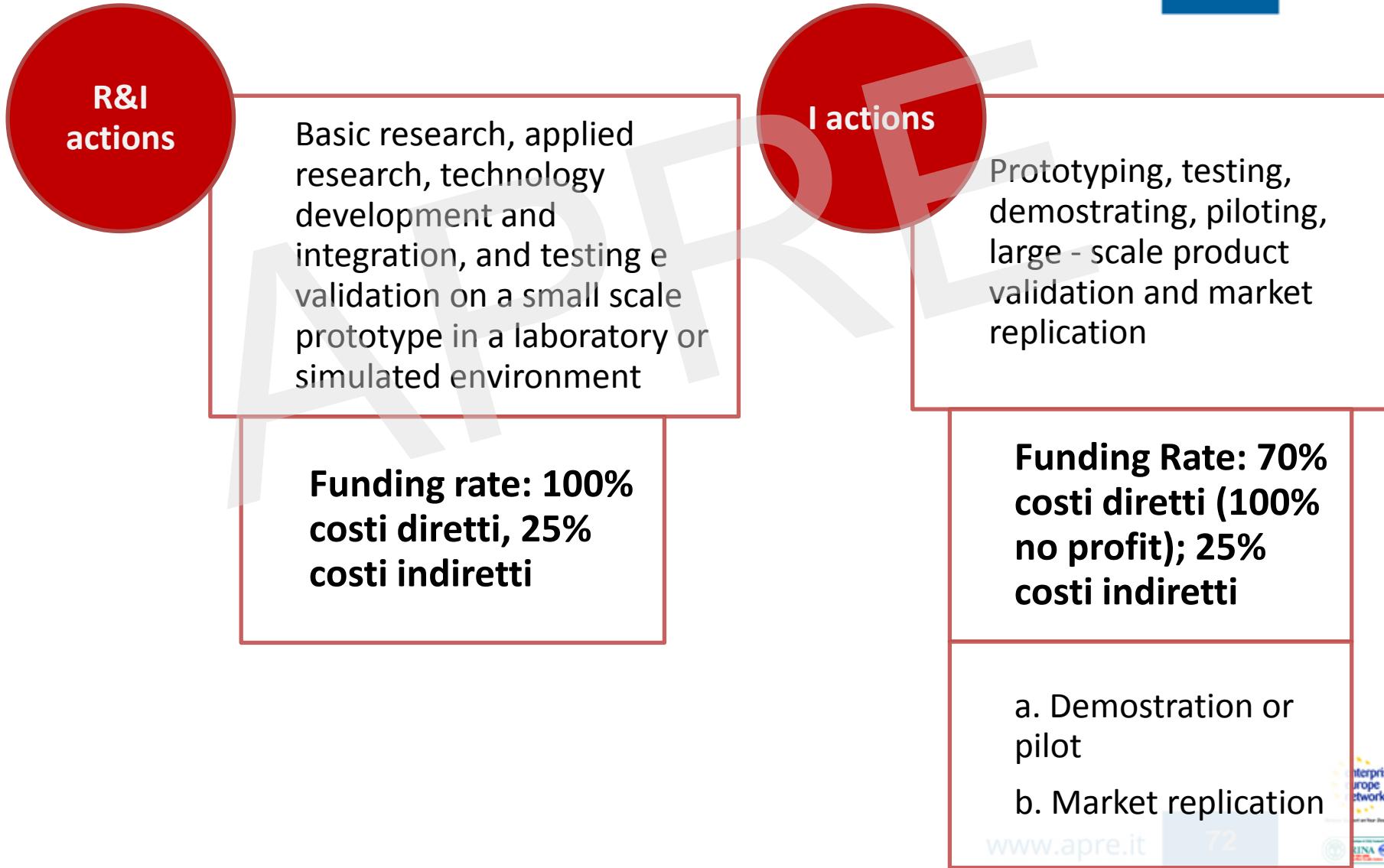


TIPOLOGIE AZIONI





Progetti collaborativi





Research and Innovation Action

DESCRIPTION: Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment. Projects may contain closely connected but limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment.

FUNDING RATE: maximum 100% (direct costs)



Innovation Action

DESCRIPTION: Action primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

A '**demonstration or pilot**' aims to validate the technical and economic viability of a new or improved technology, product, process, service or solution in an operational (or near to operational) environment, whether industrial or otherwise, involving where appropriate a larger scale prototype or demonstrator.

A '**market replication**' aims to support the first application/deployment in the market of an innovation that has already been demonstrated but not yet applied/deployed in the market due to market failures/barriers to uptake.

FUNDING RATE: maximum 70% - direct costs (except for non-profit legal entities, where a maximum rate of 100%)

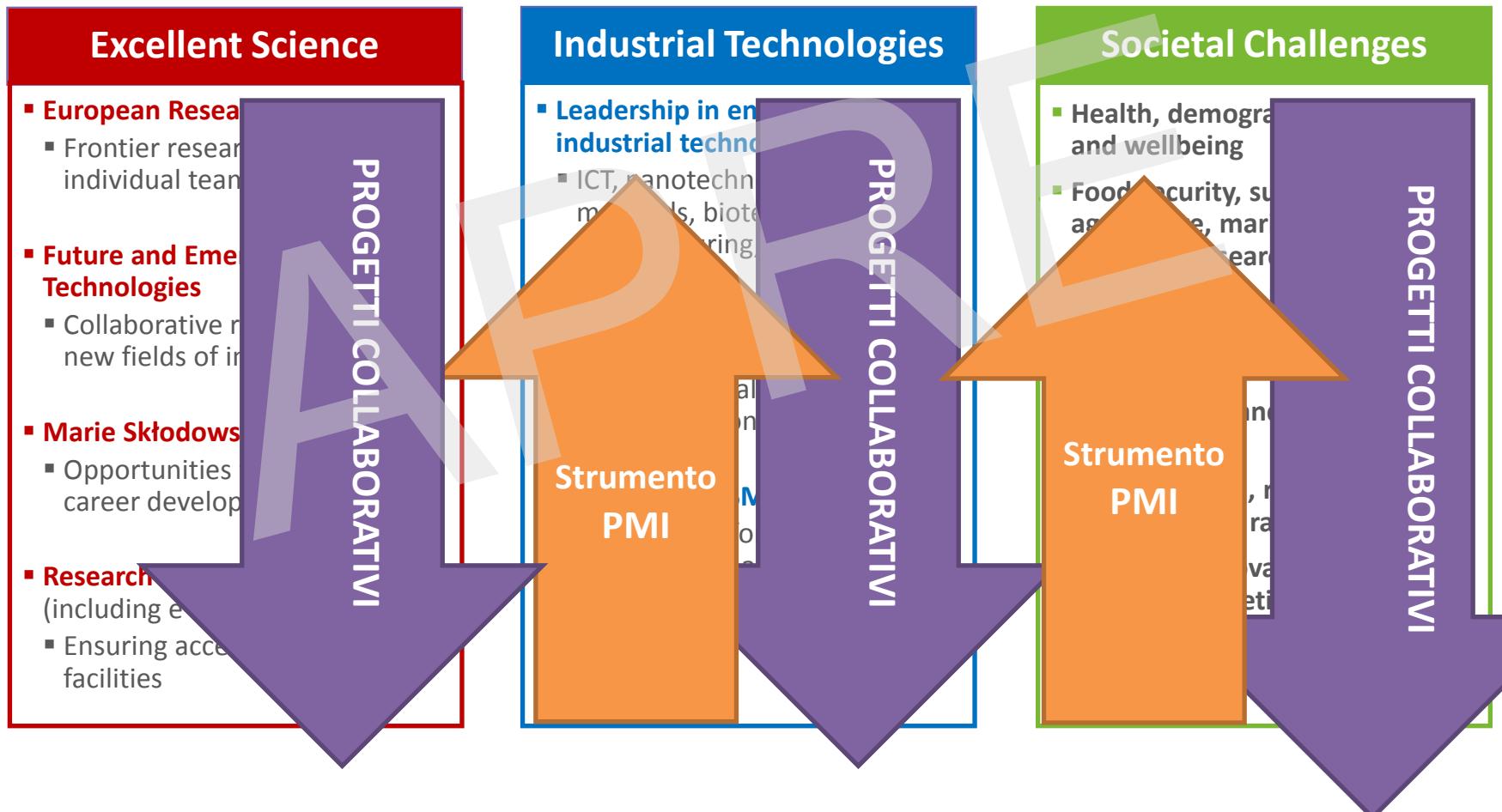
APRE

STRUMENTO PMI





Struttura del programma



Approccio Integrato

20 %
budget
LEIT + SC

LEIT:
'Innovation
in SMEs'





LO STRUMENTO PMI

dall'idea al mercato



Concept & Feasibility Assessment

Idea to concept,
risk assessment,
technological & commercial
feasibility

Lump sum: 50.000 €

~ 6 mesi

Demonstration Market replication R&D

Demonstration, prototyping,
testing , market replication,
scaling up, miniaturisation,
research

1-3 (5) M€ contributo CE

~ 12 to 24 mesi

Commercialisation

- Pre-Commercial Procurement
- SME window EU financial facilities

Quality label for
successful projects,
access to risk finance,
indirect support

Nessun finanziamento diretto

Idea

Sostegno continuo per l'intera durata

Mercato

www.apre.it

LE TRE FASI

Fase 1: concetto e valutazione della fattibilità

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

Main Activities:

Feasibility of concept
Risk assessment
IP regime
Partner search
Design study
Pilot application

Output: elaborated "**Business plan II**"

Lump sum: around 50.000 €
~ 6 months

Fase 2: R&D, dimostrazione, market replication

Input:
"Business plan II" + "Description of activities under Phase2" (~ 30 pp.)



Main Activities:

Development Prototyping
Testing
Piloting
Miniaturisation
Scaling-up
Market replication

- Design & creation of innovative applications to foster the delivery of mobile public services
- New business model for SMEs in traditional sector to innovate

Output: investor-ready "**Business plan III**"

Output based payments:
1 to 2,5 M€ EU funding
~ 12 to 24 months

Fase 3: Commercializzazione

Input:
"Business plan III" +

Opportunities:

'Quality label' for successful Phase 1 & 2

Easier access to private finance

Support via networking, training, coaching, information, addressing i.a. IP management, knowledge sharing, dissemination

SME window in the EU financial facilities (debt facility and equity facility)

No direct funding





LO STRUMENTO PMI

- **SOLO PER PMI** (1 PMI o consorzio di PMI)
- **APPROCCIO BOTTOM UP** (più o meno generico) nei SC/LEIT
- **OPEN CALL**, organizzate in **3 FASI**
 1. lump sum per esplorare la fattibilità e il potenziale commerciale dell'idea progettuale
 2. Grant per attività di R&I con focus sulle attività dimostrative
 3. Misure di supporto e attività di networking per lo sfruttamento dei risultati
- Nessun obbligo per i partecipanti di coprire tutte e tre le fasi
- Combinazione di attività di dimostrazione (test, prototipizzazione, ...), e ricerca
- Gestione centralizzata (**EACI → EASME**)

DEADLINE

Publication date: 11/12/2013

Opening: 01/03/2014 for phase 1 and phase 2

Deadline(s):

Topic identifier – Open call cut-off dates	Phase 1 18/06/2014 24/09/2014 17/12/2014	Phase 2 09/10/2014 17/12/2014	Phase 1 [18/03/2015 17/06/2015 17/09/2015	Phase 2 [18/03/2015 17/06/2015 17/09/2015
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Overall indicative budget:

- EUR **251.02** million from the 2014
- EUR **264.57** million from the 2015.

Bando	Budget €	Budget %	Topic	Funding rate Phase 2
ICT	€ 45 million 2014 € 45 million 2015	5,5%	<ul style="list-style-type: none"> • ICT-37-2014/2015 Open Disruptive Innovation Scheme (implemented through the SME instrument) 	70%
NMP + B	€ 21,80 million 2014 c 23,80 million 2015	4,5%	<ul style="list-style-type: none"> • NMP 25 – 2014/2015 Accelerating the uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs 	70%
	€ 3,80 million 2014 € 2,80 million 2015		<ul style="list-style-type: none"> • BIOTEC 5 – 2014/2015: SME-boosting biotechnology-based industrial processes driving competitiveness and sustainability 	70%
Space	€ 8,50 million 2014 € 8,75 million 2015	5%	<ul style="list-style-type: none"> • Call “SME Instrument” 2014 and 2015 (SME-SPACE-1-2014/2015) 	Research and innovation actions (100%) and innovation actions (70%). Due to the nature of the topic it is expected that Phase 2 actions will mainly be innovation actions.



RESEARCH PARTICIPANT PORTAL

<http://ec.europa.eu/research/participants/portal/page/home>

The screenshot shows the homepage of the European Commission's Research & Innovation Participant Portal. The top navigation bar includes links for (A-Z) Sitemap, About this site, Contact, Legal Notice, and English. The main header features the European Commission logo and the text "RESEARCH & INNOVATION Participant Portal". Below this, a breadcrumb navigation shows European Commission > Research & Innovation > Participant Portal > Calls. The left sidebar has sections for "Horizon 2020" (Calls, Search Topics, Call Updates), "FP7 & CIP Programmes" (Calls, Call Updates), "COSME", and "Other Funding Opportunities". The right sidebar contains filters for "Type" (Proposal, Tender), "Status" (Open, Closed, Forthcoming), and a search bar for "Filter a call". The main content area displays a grid of funding opportunities under the "Horizon 2020" heading, with categories like "Excellent Science", "Industrial Leadership", and "Call for Nanotechnologies, Advanced Materials and Production". Each opportunity card includes publication date, deadline, and a link.

ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html

(A-Z) Sitemap About this site Contact Legal Notice English

European Commission > Research & Innovation > Participant Portal > Calls

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT ▾

LOGIN REGISTER

RESEARCH & INNOVATION

Participant Portal

Horizon 2020

Horizon 2020

Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

Industrial Leadership

- Leadership in enabling and industrial technologies(LEIT)
- Access to risk finance
- Innovation in SMEs

Filter a call FILTER

COSME

Other Funding Opportunities

Sort by Title Call Id Publication Date Deadline Date

Industrial Leadership BIOTECHNOLOGY H2020-LEIT-BIO-2015-1

Pub.Date: 11/12/2013 Deadline: 24/02/2015

Industrial Leadership BIOTECHNOLOGY H2020-LEIT-BIO-2014-1

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

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-ERA-NET-2015

Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-CSA-2015

Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-PILOTS-2015

Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-GV-2014

Pub.Date: 11/12/2013 Deadline: 07/10/2014

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-CSA-2014

Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-2014-two-stage

Pub.Date: 11/12/2013 Deadline: 26/03/2015

Industrial Leadership Call for Nanotechnologies, Advanced Materials and Production H2020-NMP-2015-two-stage

Pub.Date: 11/12/2013 Deadline: 26/03/2015

REGIONE SICILIA

COME COGLIERE AL MEGLIO LE OPPORTUNITÀ OFFERTE DAL PROGRAMMA





LA PA IN H2020

SOGGETTO ELEGGIBILE A FINANZIAMENTO IN H2020

La partecipazione può avvenire:

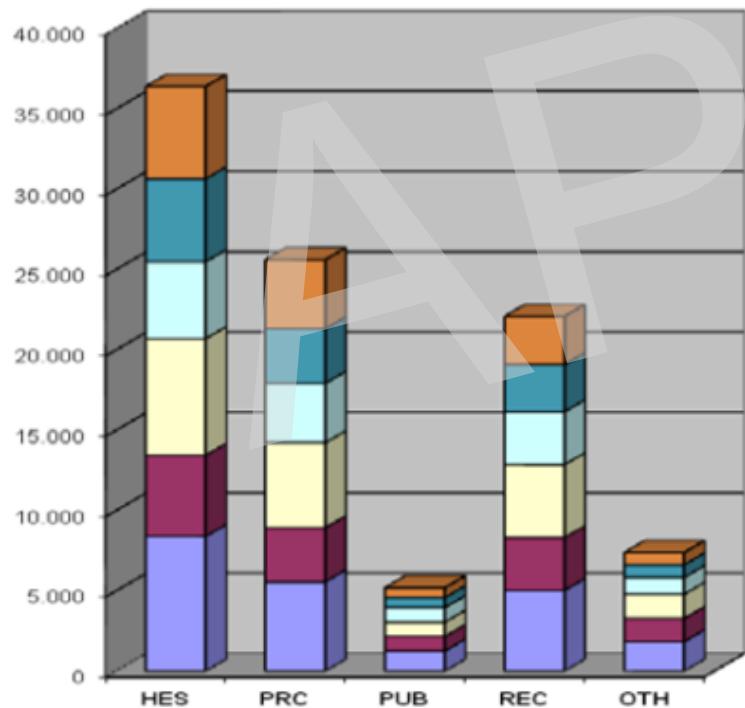
- trasversalmente al programma come soggetto eleggibile al finanziamento nella ricerca collaborativa (RIA E IA) e CSA
- PA come soggetto privilegiato di alcuni strumenti (PCP – PPI ERANET ...)

PARTECIPAZIONE REGIONE INCENTIVATA IN H2020

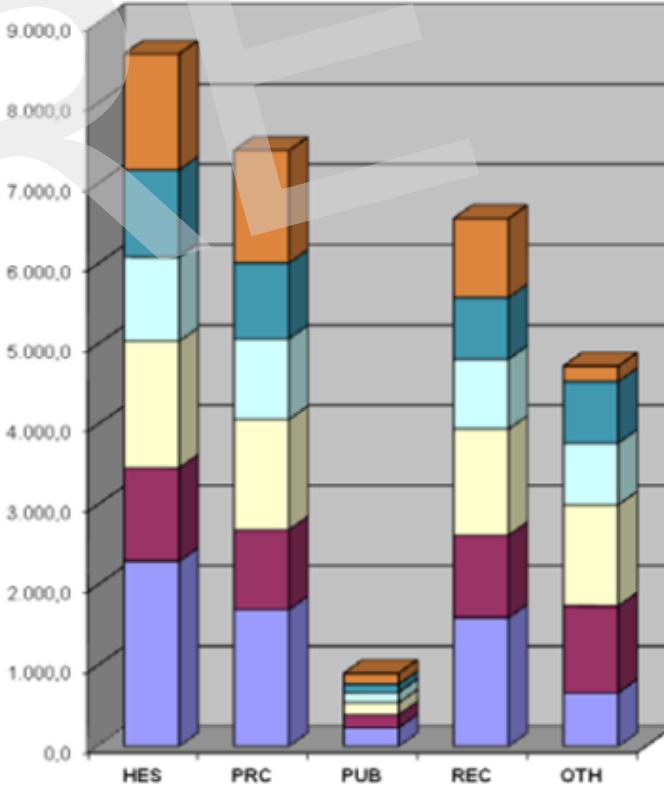


LA PA IN FP7

Applicants in retained proposals (counts)



EU contribution to retained proposals (€M)



■ 2007 ■ 2008 ■ 2009 ■ 2010 ■ 2011 ■ 2012

■ 2007 ■ 2008 ■ 2009 ■ 2010 ■ 2011 ■ 2012



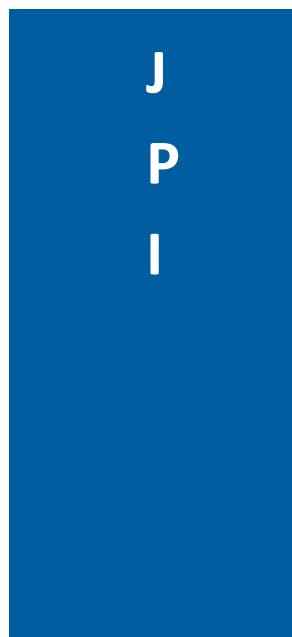
AZIONI A BENEFICIO DELLA PA





PUBLIC – PUBLIC PARTNERSHIP

Horizon 2020 shall contribute to the strengthening of public-public partnerships, as and when appropriate, where actions at regional, national or international level are jointly implemented within the Union. Particular attention shall be paid to joint programming initiatives between Member States. (H2020, art.20)





ERANET

DESCRIPTION: ERA-NET Cofund under Horizon 2020 is designed to support public-public partnerships, including joint programming initiatives between Member States, in their preparation, establishment of networking structures, design, implementation and coordination of joint activities as well as Union topping-up of a trans-national call for proposals. It is based on the merger of the former ERA-NET and ERA-NET Plus actions and is implemented by using 'programme co-fund actions'. It allows for programme collaboration in any part of the entire research-innovation cycle.

The main and compulsory activity of the ERA-NET Cofund under Horizon 2020 is the implementation of the co-funded joint call for proposals that leads to the funding of transnational research and/or innovation projects.

FUNDING RATE: The Union contribution will be limited to a maximum of 33% of the total eligible costs of the action. The Union contribution to the costs for support to trans-national projects is limited to one call per grant agreement.

ERANET

*'programme co-fund action' means an action funded through a grant **the main purpose of which is supplementing individual calls or programmes** funded by entities, other than Union funding bodies, managing research and innovation programmes. A programme co-fund **action may also include complementary activities** of networking and coordination between programmes in different countries; (Art. 2- RoP)*



CHI PUÒ PARTECIPARE?

Participation is limited to entities that can fully participate in joint calls and other actions between national and regional programmes.

Participants in ERA-NET Cofund actions must be research funders: legal entities owning or managing public research and innovation programmes.

Programme Owners are typically national/**regional** ministries/authorities responsible for defining, financing or managing research programmes carried out at national or regional level.

Programme Managers are typically research councils or **funding agencies** or other national or **regional organisations that implement research programmes** under the supervision of the programme owners. Their participation has to be mandated by the national/regional authorities in charge (normally the responsible Ministry).



JPI – JOINT PROGRAMMING

Art.185

INTEGRATION OF NATIONAL PROGRAMMES: bring national programmes into a common one

PARTNER COUNTRIES: any country joining

FUNDING MODELS: three main categories of funding models can be named:

Common pot: countries pool funds and there are trans-national flows of funds as all researchers are funded only based on their success in the proposal evaluation.

Virtual common pot: enables countries and regions to pay for their own participants

Mixed-mode pot: allows countries to pay for their own researchers and, on occasion, to pay for other countries' researchers





JPI – JOINT PROGRAMMING

Art.185

FINANCIAL CONTRIBUTIONS :

In-kind contribution: contribution made by participating states, other than cash, that directly makes it possible to perform networking or capacity development activities with cash funding from the EU.

In-cash contribution: where new cash is allocated directly to the programme. Where new cash is allocated directly to a project arising from a call it will contribute to the Virtual Common Pot.

Allocations to the common and virtual pot may be restricted or unrestricted.

Restricted cash contribution: New cash contributions on which the contributing country may impose some limitations on how that money can be spent. e.g. limited to projects in specific research areas, or limited to researchers within same country as the contributor.

Unrestricted cash contribution: New cash contributions on which the contributing country does not place limitations and which therefore can contribute to any part of the programme.



JPI ESEMPI

- SC1 – Health

“A Healthy Diet for a Healthy Life”, “Antimicrobial resistance”, “More Years, Better Lives”

- SC2 – FOOD

“Agriculture, Food Security and Climate Change”, “A Healthy Diet for a Healthy Life” and “Healthy and Productive Seas and Oceans”

- SC6 – SSH

“Cultural Heritage”, “More Years, Better Lives” and “Urban Europe”



APPALTI PRE-COMMERCIALI (PCP) E APPALTI PUBBLICI DI SOLUZIONI INNOVATIVE (PPI)

PCP

Strumento attraverso il quale le **autorità pubbliche** possono guidare, attraverso l'appalto, lo **sviluppo di soluzioni tecnologicamente innovative**, dai primi stadi della R&S fino allo sviluppo pre-commerciale di un set limitato di prodotti, al fine di soddisfare al meglio le loro esigenze di innovazione per le quali o non esiste nessuna soluzione commercialmente stabile sul mercato, o le soluzioni esistenti mostrano dei difetti che richiedono nuova R&S al fine di **garantire servizi pubblici sostenibili e di elevata qualità in Europa e promuovere l'innovazione e la competitività delle imprese europee.**

PPI

Appalti in cui le amministrazioni aggiudicatrici agiscono come cliente di lancio per prodotti o servizi innovativi che non sono ancora disponibili su larga scala commerciale.

Le PPI Cofund actions supportano l'implementazione, la fase di appalto unico congiunto e l'attuazione di contratti per soluzioni innovative e connesse attività di coordinamento supplementari.



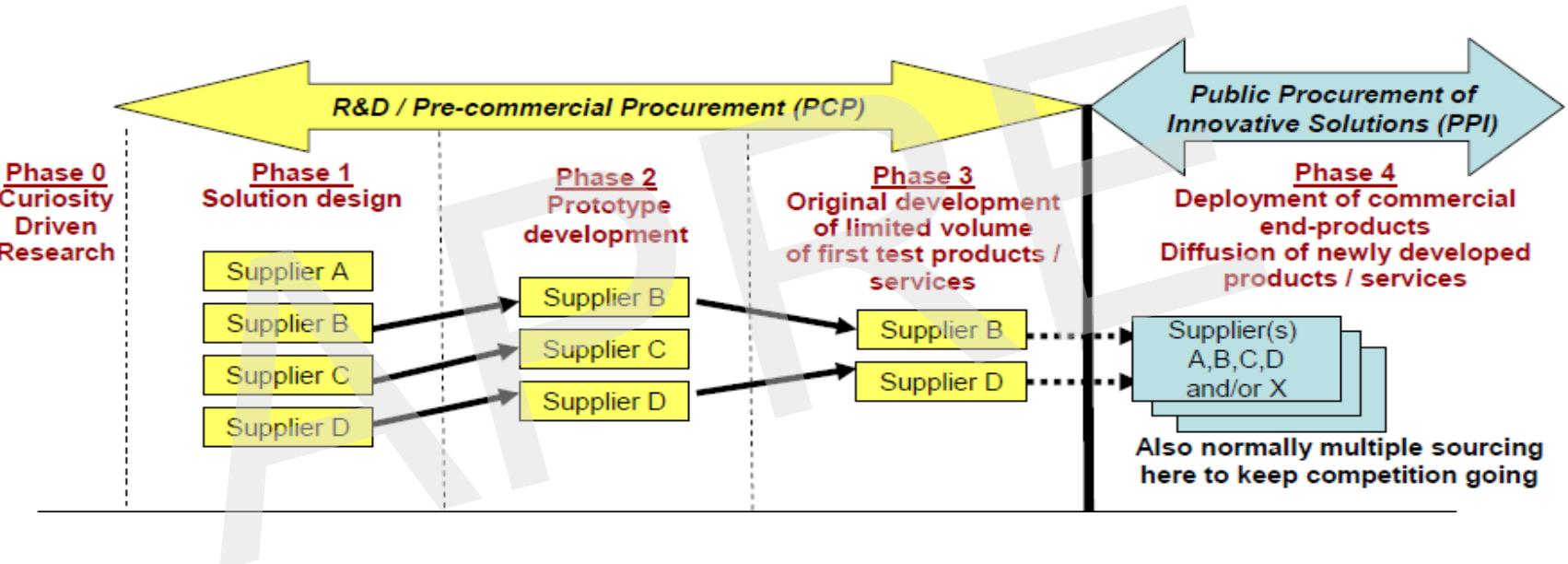
APPALTI PRE-COMMERCIALI (PCP)

- The **OBJECTIVE** of a PCP action is to enable the public sector as a technologically demanding buyer to encourage research, development and validation of breakthrough solutions that can bring radical quality and efficiency improvements in areas of public interest.
- '*pre-commercial procurement*' is defined as procurement of research and development services involving risk-benefit sharing under market conditions, and competitive development in phases, where there is a clear separation between the procurement of the research and development services procured from the deployment of commercial volumes of end-products.
- **FUNDING RATE:** The EU contribution will take the form of a programme Cofund grant consisting of a reimbursement of maximum 70% of the eligible costs to implement the activities defined in the section 'eligible activities', on condition the joint procurement is executed in compliance with the 'Specific requirements for PCPs supported by Horizon 2020'



APPALTI PUBBLICI DI SOLUZIONI INNOVATIVE (PPI)

- The **OBJECTIVE** of a PPI action is to reinforce early deployment of innovative solutions that address challenges of public interest. The aim is to enable trans-national buyer groups of procurers to share the risks of acting as early adopters of innovative solutions and to overcome the fragmentation of demand for innovative solutions in Europe. Each PPI action focuses on one concrete unmet need that is shared by the participating procurers and requires the deployment of innovative solutions that are to a significant extent similar across countries and are therefore proposed to be procured jointly.
- **FUNDING RATE:** The EU contribution is a proportional contribution to the total investment made by the beneficiaries in the action. The EU contribution will take the form of a programme Cofund grant consisting of a reimbursement of maximum 20% of the eligible costs to implement the activities defined in the section 'eligible activities'



PRE-COMMERCIAL PROCUREMENT
A SOSTEGNO DEI BISOGNI DI R&S DELLA
P.A.

**PUBLIC PROCUREMENT OF INNOVATIVE
SOLUTIONS** A SUPPORTO DELL'ACQUISIZIONE
DI PRODOTTI/SERVIZI INNOVATIVI DA PARTE
DELLA P.A.

Sinergie tra Fondi Strutturali d'Investimento Europei (Fondi SIE) e Horizon2020

<h1>Horizon 2020</h1>	<h1>Fondi SIE</h1>
<p>Approccio non territoriale, approccio transnazionale basato sulle eccellenze; nessuna specifica pre-allocazione geografica.</p>	<p>Approccio territoriale basato sulla coesione economica e sociale</p>
<p>Focus su Progetti individuali di R&I (intero ciclo dell'innovazione e approccio strategico a livello UE sebbene esistano programmi come ERA-NETs, ecc.)</p>	<p>Largamente focalizzati sulla crescita delle capacità regionali di R&I con lo scopo di crescita regionale basata sulla trasformazione delle economia locale ad alto valore aggiunto e attività altamente conoscitive (3S)</p>
<p>Gestione Centralizzata (CE) e aiuti concessi direttamente ai beneficiari finali o gestiti da entità operative in più SM</p>	<p>Gestione Condivisa con intermediari nazionali e regionali (AdG, Agenzie, Organismi intermedi) che definiscono i dettagli attuativi e allocano fondi ai beneficiari finali</p>
<p>Call Competitive indirizzate a gruppi internazionali (anche fuori dall'UE) senza pre-allocazione geografica (ad eccezione di European Research Council e Marie Skłodowska-Curie come Erasmus+)</p>	<p>Bandi basati sulle Priorità della Coesione economica e della RIS3 su imprese individuali/organismi e consorzi all'interno delle aree ammissibili (solo all'interno dell'UE). Attribuzione degli aiuti tramite regimi di aiuto basati su criteri di selezione dei progetti</p>

Horizon 2020	Fondi SIE
OPPORTUNITA'	OPPORTUNITA'
Focus su leadership industriali e maggiori sfide sociali, massimizzazione dell'impatto competitivo della R&I, diffusione dei livelli di eccellenza	Aumento parziale della capacità delle regioni e degli SM di partecipazione ad Horizon 2020 ("Scala verso l'eccellenza")
Includerà azioni vicine al R&I divide: ERA, network, team e gemellaggi, sviluppo infrastrutture di Ricerca	Finanziamento attività di R&S&I che possono finanziariamente supportare progetti di Horizon2020
Dffonderà eccellenze, allargando la partecipazione rispetto al 7PQ.	Supporto o estendere la cooperazione con attori esterni alle aree dei territori ammissibili



Perchè delle linee guida sulle sinergie H2020/FSIE ?

- **Imperativo politico**, ma c'è ancora poca chiarezza su come attuarle...

Horizon2020 ≠ 7PQ

- "SME instrument"
- Più deleghe e out-sourcing sulla gestione finanziaria dei programmi di H2020 e maggiore coordinamento tra autorità Nazionali e Regionali su R&I
- Nuovi strumenti: appalti innovativi; più partecipazione e diffusione delle eccellenze
- Più infrastrutture per la Ricerca
- Più vicini al mercato e approccio alle "sfide"

Cosa è stato fatto finora?

- **Risultati:**

- **Scopo della guida:** far dialogare Fondi SIE, Horizon2020, Erasmus+, COSME, servizi digitali, Creative Europe; ad esclusione degli strumenti finanziari
- **Chiarimento sui gruppi Target:** Horizon2020 e Fondi SIE, progetti del "work programme", soggetti attuatori e auditor (guida separata per beneficiari)
- **Accordo sui principi e chiarimento sul concetto di "voce di spesa"**
- **Discussione ancora aperta su:**
 - **Grado di fusione in caso di combinazione di diverse voci di costo in un progetto**
 - **Modifiche nei meccanismi di Horizon2020**
 - **Inquadramento e status giuridico della guida**
 - **Comunicazione/diffusione**



Politica coesione - FSIE

L'obiettivo della Politica di Coesione è **accrescere le economie regionali**, non riempire il “budget gap” di Horizon2020!

I Fondi SIE supporteranno **progetti per lo sviluppo socio-economico locale**, non progetti finanziati per soli scopi scientifici

Inoltre, I Fondi SIE finanzieranno infrastrutture di ricerca che sono a supporto dello sviluppo socio-economico territoriale e degli aggiustamenti strutturali delle economie regionali

GRAZIE PER L'ATTENZIONE!

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