



INTRODUZIONE A HORIZON 2020: struttura, programmi & strumenti di finanziamento

CODAU – GRUPPO RICERCA
Torino, 18/10/2013

EU BUDGET

GESTIONE CENTRALIZZATA

Rapporto contrattuale tra CE e beneficiario

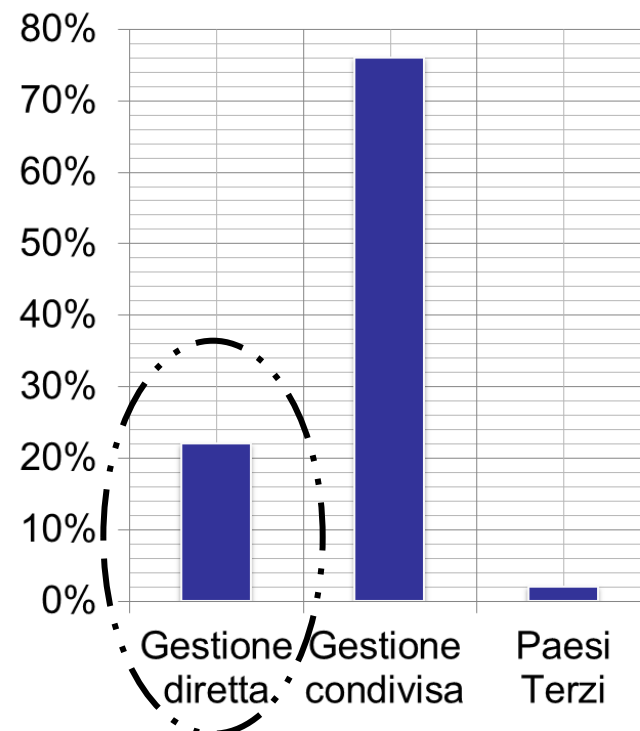
GESTIONE CONDIVISA

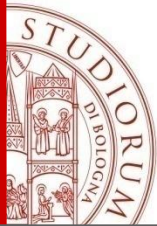
Gestione da parte delle autorità nazionali, regionali o locali

GESTIONE DECENTRALIZZATA

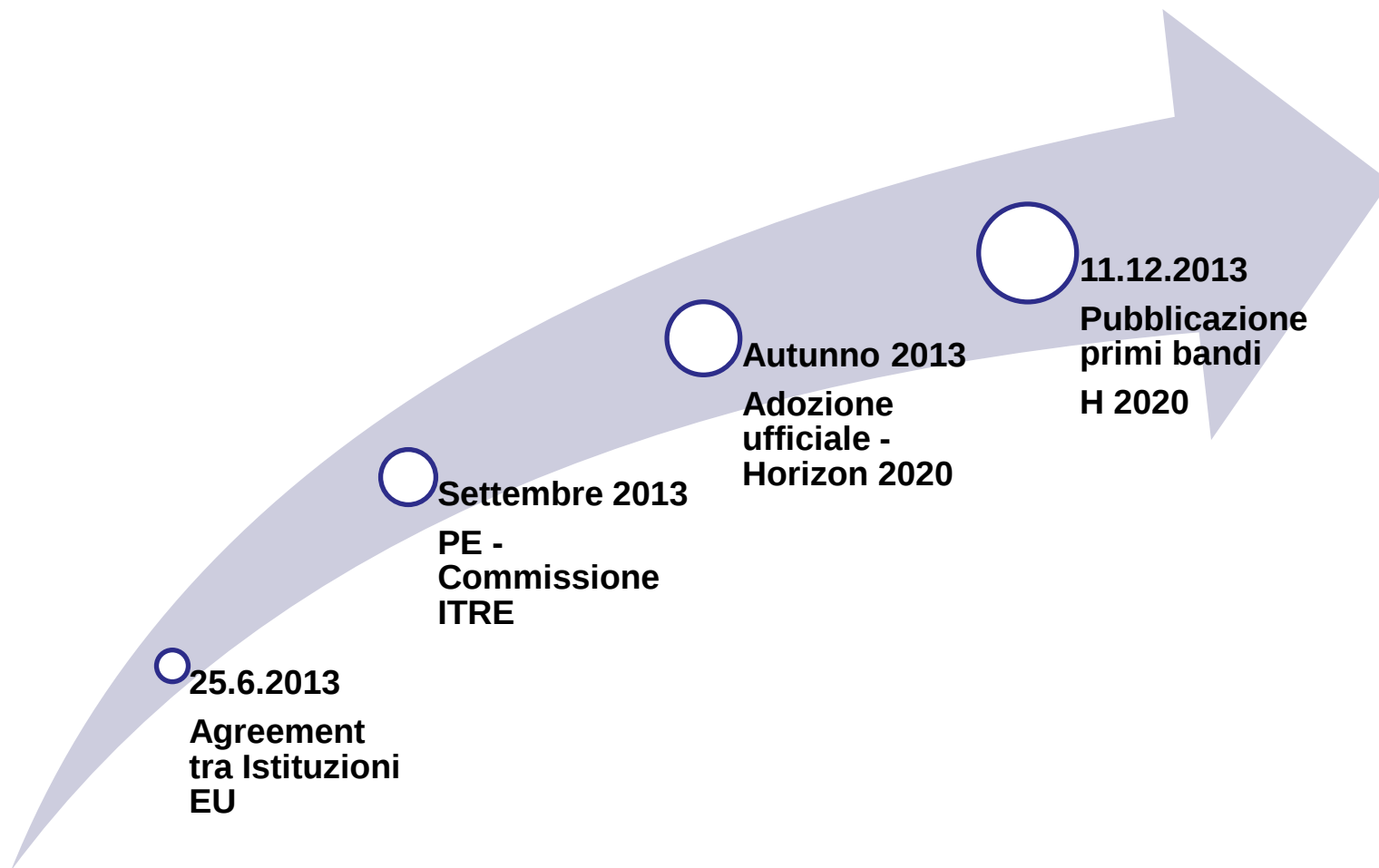
Gestione da parte di Paesi terzi e delegazioni dell'UE

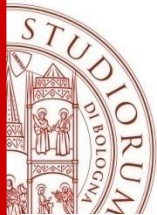
Ripartizione Budget





HORIZON 2020: i prossimi passi





Da FP7 ad Horizon 2020



SEVENTH FRAMEWORK
PROGRAMME

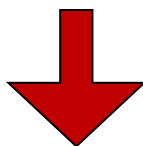
2007-2013



2014 – 2020

7PQ: Research & Development –

IDEAS → PEOPLE → COOPERATION → CAPACITIES

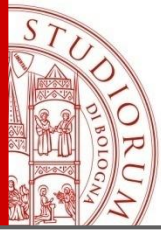


KEY WORD!



HORIZON 2020: Research & Innovation

7FP + CIP + EIT (KICs) → *FROM THE IDEA TO MARKET!*



HORIZON 2020

Europe 2020 priorities

**International
Cooperation**

**European Research
Area (ERA)**

**Shared objectives and
principles**

Tackling Societal Challenges

- Health, demographic change and wellbeing
- Food security and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Supply of raw materials, resource efficiency and climate action
- Inclusive, innovative and secure societies

Creating Industrial Leadership and Competitive Frameworks

- Leadership in enabling and industrial technologies (Biotechnology,...)
- Access to risk finance
- Innovation in SMEs

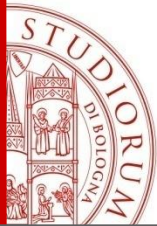
Excellence in the Science Base

- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

**Common rules, toolkit of
funding schemes**

**SIMPLIFIED
ACCESS**

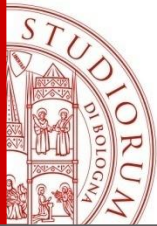
**COHERENCE WITH OTHER
EU AND MS ACTIONS**



EXCELLENT SCIENCE

Per sostenere le migliori idee e sviluppare competenze, per fare dell'Europa un polo di attrazione per i migliori ricercatori mondiali:

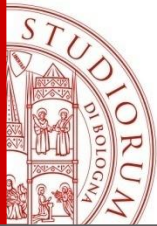
- European Research Council: progetti di ricerca di frontiera;
- Future and Emerging Sciences and Technologies: ricerca nelle aree più promettenti nel campo delle tecnologie di domani;
- Azioni "Marie Curie" per attrarre e sostenere ricercatori;
- Infrastrutture di Ricerca adeguate, meno care e diffuse in Europa;
- Widening excellence and participation



INDUSTRIAL LEADERSHIP

Per incoraggiare investimenti in R&I in Europa, promuovendo alcune priorità per ogni forma di business

- **Leadership in Enabling and Industrial Technologies (LEIT)** - soprattutto le cosiddette *Key Enabling Technologies* (nanotechnology, micro- and nanoelectronics including semiconductors, advanced materials, biotechnology, photonics and space);
- **Access to finance** per aziende innovative, strumenti finanziari in partenariato con l'European Investment Bank, strumenti di Public Procurement;
- **Innovation in SME:** linee di ricerca e innovazione, e strumenti dedicati, per favorire la partecipazione delle SME ad HORIZON2020

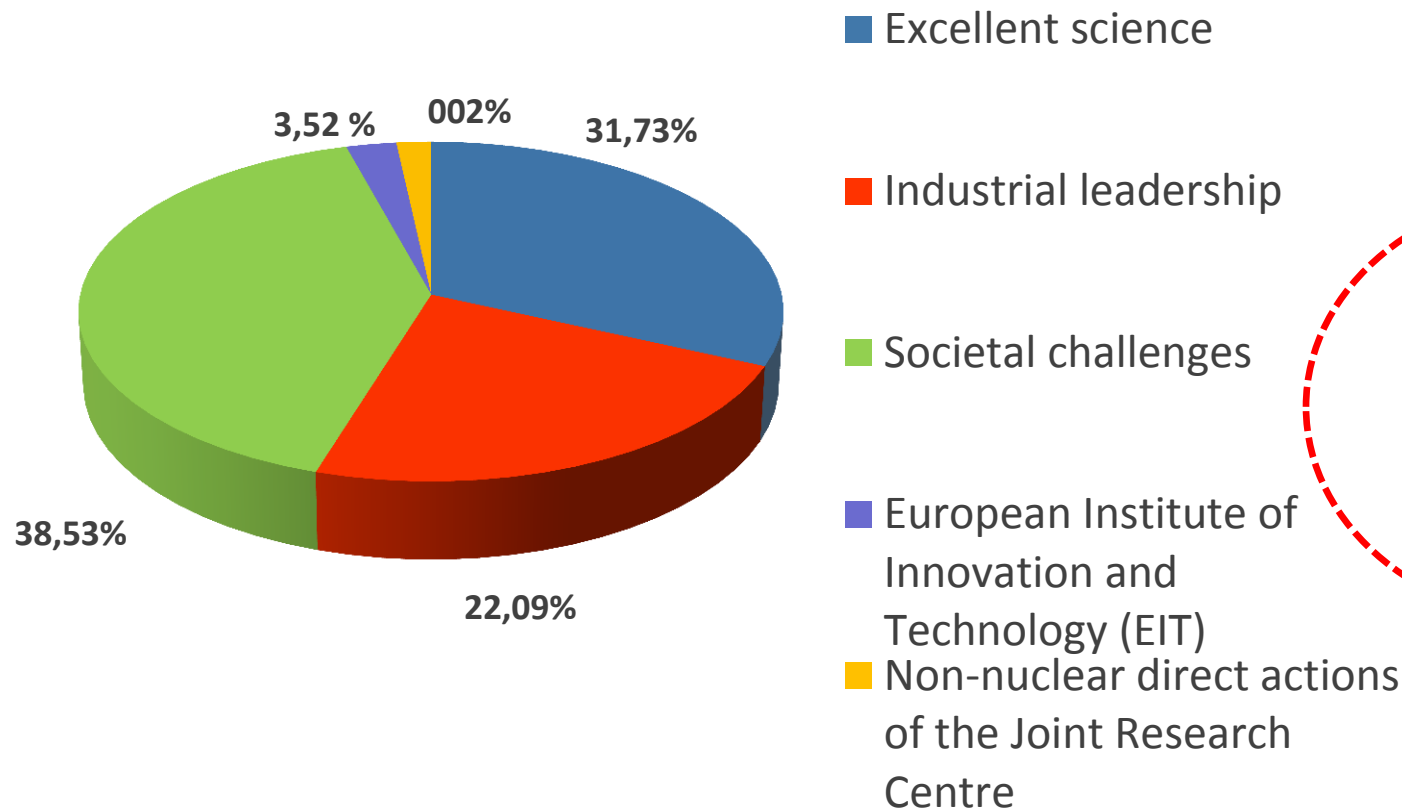


SOCIETAL CHALLENGES

Per sostenere attività lungo la catena 'ricerca di laboratorio – accesso al mercato' (nel quadro delle priorità di Europa 2020):

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

BUDGET HORIZON 2020*



**secondo
l'accordo PE e
Consiglio:
Budget H2020:
70.2 miliardi
Euro**



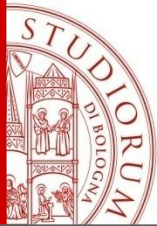
Horizon 2020: budget

Programmi	Budget (in percentuale)	Approx .figure
EXCELLENT SCIENCE	31.73 %	€ 21.6 BI
1. ERC	17.00 %	€ 2.38 BI
2. FET	3.50 %	€ 2.38 BI
3. MSCA	8.00 %	€ 5.45 BI
4. RESEARCH INFRASTRUCTURES	3.23 %	€ 2.2 BI
INDUSTRIAL LEADERSHIP	22.09 %	€ 15.04 BI
1. Key Enabling Technologies	17.60 %	€ 11.99 BI
2. Risk finance	3.69 %	€ 2.51 BI
3. SME's	0.80 %	€ 545 BI
SOCIETAL CHALLENGES	38.53 %	€ 26.24 BI
1. HEALTH	9.70 %	€ 6.61 BI
2. FOOD	5.00 %	€ 3.41 BI
3. ENERGY	7.70 %	€ 5.24 BI
4. TRANSPORT	8.23 %	€ 5.60 BI
5. CLIMATE	4.00 %	€ 2.72 BI
6. INCLUSIVE SOCIETIES	1.70 %	€ 1.16 BI
7. SECURE SOCIETIES	2.20 %	€ 1.5 BI
EIT (KIC)	3.52 %	€ 2.4 BI

SEMPLIFICAZIONE



GRANT IN 100 GIORNI



Horizon2020: Rules for Participation

Single set of rules

- Adapted for the whole research and innovation cycle
- Cover all research programmes and funding bodies
- Aligned to the Financial regulation, coherent with other new EU Programmes

One Project – One Funding Rate

- Maximum of 100% of direct costs for all types of partners (except for actions close to market, where a 70% maximum will apply)
- Indirect eligible costs: a flat rate of 25% of direct eligible costs
- No real indirect cost option

Simple Evaluation Criteria

- Excellence, Impact, Implementation (excellence only, for the ERC)

New Forms of funding for innovation

- Pre-commercial procurement
- Inducement prizes
- Dedicated loan and equity instruments

Improved rules on Intellectual Property

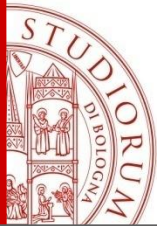
- Balance between legal security & flexibility
- Tailor-made IPR provisions for new forms of funding
- A new emphasis on open access to research publications

Simplification

- Broader acceptance of participants' accounting practices for direct costs
- Flat rate for indirect costs
- No time-sheets for personnel working full-time on a project
- Possibility of output-based grants

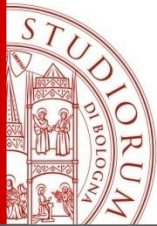
Fewer, more targeted controls and audits

- Lowest possible level of requirements for submission of audit certificates
- Audit strategy focused on risk and fraud prevention



HORIZON 2020: gli strumenti

- **RESEARCH AND INNOVATION ACTION**
- **INNOVATION ACTION** **NUOVO**
- **COORDINATION AND SUPPORT ACTIONS**
- **PROGRAMME CO-FUNDING ACTIONS**
- **SME-INSTRUMENT** **NUOVO**
- **PRE-COMMERCIAL PROCUREMENT (PCP)**
- **PUBLIC PROCUREMENT OF INNOVATIVE SOLUTIONS (PPI)**
- **PREMI** **NUOVO**



Horizon 2020: metodologie di costo

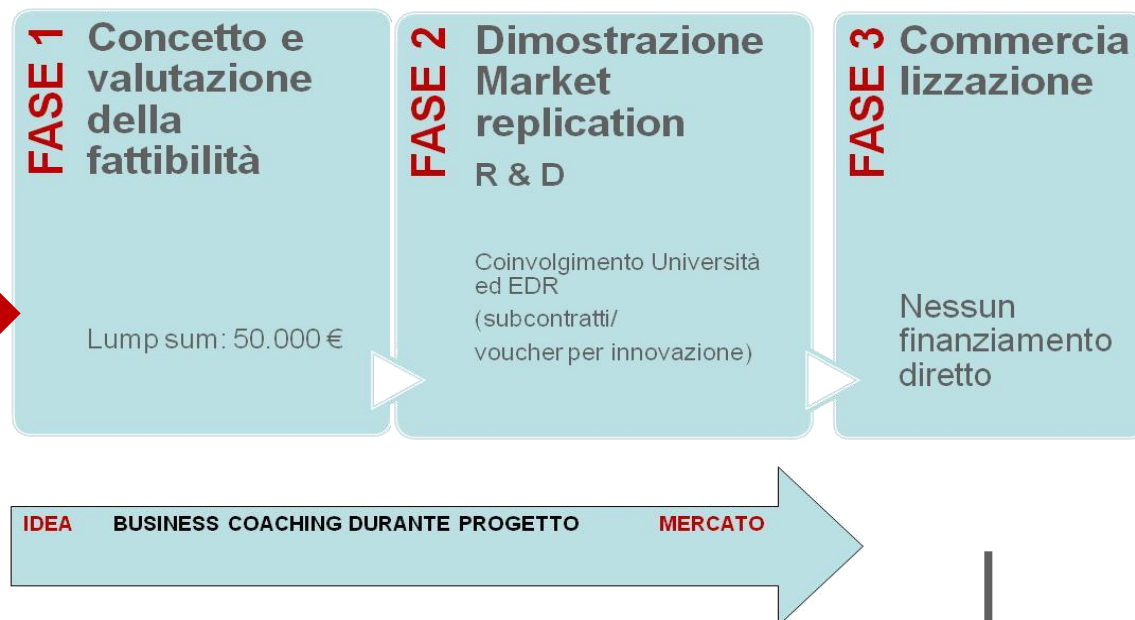
Tipo di attività	Metodo di calcolo dei costi	Tipologia di partecipante	Funding/costi indiretti
Research/ development	Direct eligible costs + flat rate	All	100% + 25 %
Innovation actions or cofunded	Direct eligible costs + flat rate	University	100% + 25 %
		----- SME/Industry	70 % + 25 %

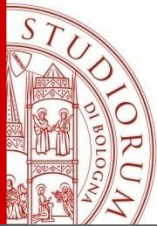
Horizon2020: Innovation in SME's

Caratteristiche:

- è uno strumento applicato a tutte le «Societal Challenges» e «Key Enabling Technologies»
- partecipazione riservata esclusivamente alle PMI con forte vocazione all'innovazione.
- orientamento al mercato: finanziamento al 70 % per le SME's
- competizione a livello europeo

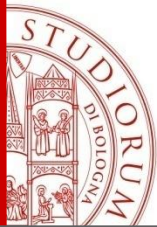
Lo schema è diviso in **3 fasi**.





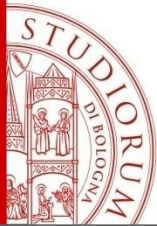
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- **Innovation Union:** http://ec.europa.eu/research/innovation-union/index_en.cfm?pg=home
- **CSF:**
 - Stakeholder meeting (Green Paper presentation):
<http://webcast.ec.europa.eu/eutv/portal/archive.html?viewConference=11268&catId=11261>
 - Green Paper: http://ec.europa.eu/research/csfri/index_en.cfm
 - Simplification:
http://ec.europa.eu/research/fp7/pdf/communication_on_simplification_2010_en.pdf
 - 10 June Conference (Conference on the Common Strategic Framework for EU research and innovation funding):
<http://webcast.ec.europa.eu/eutv/portal/archive.html?viewConference=12187>
- **Multiannual Financial Framework 2014-2020:**
<http://ec.europa.eu/budget/reform/>



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http://cordis.europa.eu/fp7/ict/programme/fet/flagship/home_en.html
- **EIT:** <http://eit.europa.eu/>
- **EIP AHA:** http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=home
- **Joint Programming:**
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- **JTI interim evaluation:**
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