

Nuevo escenario financiero europeo 2014-2020



**Confederación Empresarios
Andaluces**

**Centro para el Desarrollo
Tecnológico Industrial**

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- Oportunidades en Programa Marco – Horizonte 2020
 - El Programa Marco para Investigación e Innovación
 - Tres objetivos – Tres pilares & EIT
 - Presupuesto (provisional!)
 - Características
 - Reglas de participación

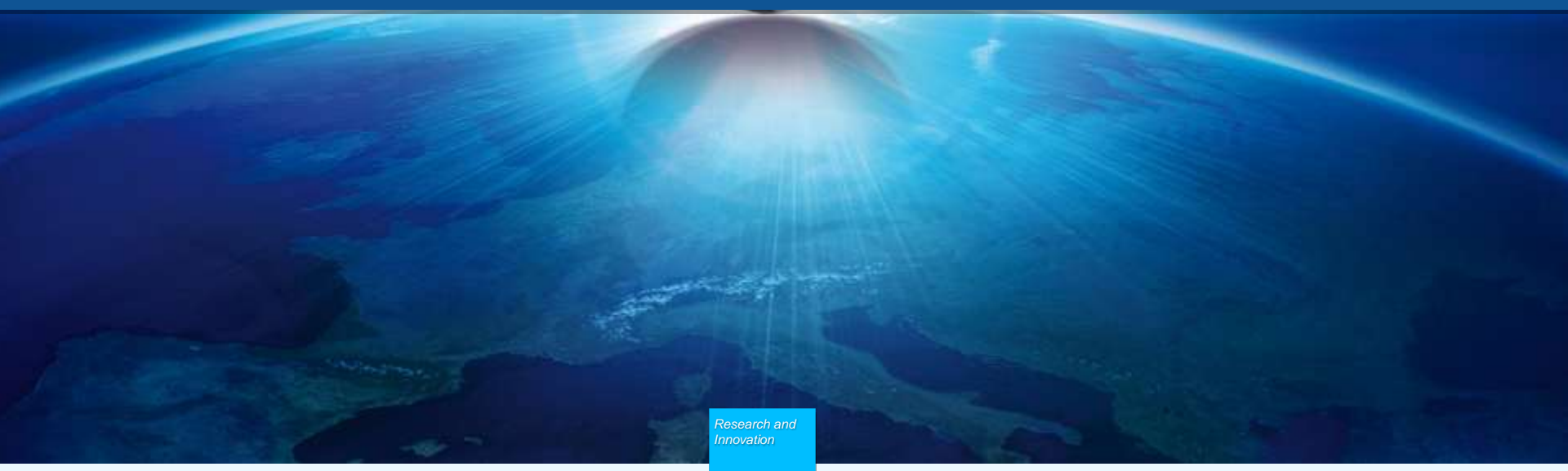
El Programa Marco como elemento fundamental del Sistema Español de Ciencia-Tecnología-Empresa: se ha constituido en una potente herramienta para incorporar valor añadido europeo que redundará en el aumento de la competitividad de la economía española

- Importante fuente de financiación para actividades de I+D+I: retorno promedio anual en España **superior a los 300 M€** en el periodo 2003 – 2011, y en las condiciones más favorables versus la coyuntura actual en **fondos nacionales**
- Posibilidad de acceso al conocimiento / tecnología más avanzada a nivel europeo.
- **Riesgos compartidos** por los miembros del consorcio y la Administración Pública (CE).
- Apertura a nuevos mercados, especialmente a nivel europeo.
- Prestigio asociado a participar en proyectos de I+D+I de alta calidad en un entorno de participación muy competitivo.
- ¿Qué hace la **competencia** a nivel nacional/europeo?



Horizon 2020

*The EU Framework
Programme for
Research and Innovation
2014-2020*



Research and
Innovation

- The **7th Framework Programme (FP7)** for research, technological development and demonstration
 - €53 billion (2007-13). 4 main programmes on Ideas, Cooperation, People and Capacities.
 - Innovation-related part of the **Competitiveness and Innovation Framework Programme (CIP)**
 - €3.6 billion (2007-13). 3 programmes: Entrepreneurship and Innovation, Intelligent Energy Europe and ICT policy support.
 - The **European Institute for Innovation and Technology (EIT)**
 - Autonomous EU body bringing together higher education, research and business to stimulate innovation in Knowledge and Innovation Communities. EU budget contribution of €309 million (2007-13)
- And strengthening complementarities with the Structural Funds**
- €86 billion allocated (2007-13) to R&D and innovation, entrepreneurship, ICT and human capital development



EU funding focus on **grand societal challenges** and supports the objectives of the policy initiatives at EU level.

Bring together effort in research and innovation.

Support to the whole innovation chain, especially in **activities close to the market** (ej. Demos, pilotos).

More **flexibility and openness**, less prescriptive calls and wider use of **bottom-up instruments**.

Simplification.

Continuation of the successes from FP7. (ERC, Marie Curie, collaborative projects...)

HORIZON 2020



RETOS SOCIALES



LIDERAZGO INDUSTRIAL



EXCELENCIA DE LA CIENCIA
FUNDAMENTAL

Societal Challenges

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

Industrial Leadership

- Leadership in enabling and industrial technologies
 - Information and Communication Technologies (ICT)
 - Nano-technology
 - Advanced materials
 - Biotechnology
 - Advanced manufacturing systems
 - Space
- Access to risk finance
- Innovation in Small and Medium-Sized Enterprises

Excellent Science

- European Research Council
- Future & Emerging Technologies (FET)
- Marie Curie Actions
- Research Infrastructures

European Institute of Innovation and Technology (EIT)

Societal challenges

Industrial leadership

COOPERACIÓN (32.413)	
1. Salud (6.100)	
2. Alimentación, agricultura y pesca, y biotecnología (1.935)	
3. Tecnologías de la información y las comunicaciones (9.050)	
4. Nanotecnologías, nanomateriales y producción (3.475)	
5. Energía (2.350)	
6. Medio ambiente (incluido el cambio climático) (1.890)	
7. Transporte (incluida la aeronáutica) (4.160)	
8. Ciencias socioeconómicas y humanidades (623)	
9. Espacio (1.430)	
10. Seguridad (1.400)	
IDEAS (7.510)	Consejo Europeo de Investigación
PERSONAS (4.750)	Acciones Marie Curie
CAPACIDADES (4.097)	Infraestructuras de investigación (1.715)
	Investigación en beneficio de las PYME (1.336)
	Regiones del conocimiento (126)
	Potencial de investigación (340)
	La ciencia en la sociedad (330)
	Desarrollo Coherente de las Políticas de Investigación (70)
	Actividades de cooperación internacional (180)
Acciones no nucleares del Centro Común de Investigación (1.751)	

Excellence science

Presupuesto provisional

Frontier research (ERC)	“Look for the excellence science”	13,268 M€
Future and emerging technologies (FET)	“ Bet for knowledge based innovation”	3,100 M€
Marie Skłodowska Curie Actions(MSCA)	“ Improve scientific career”	5,752 M€
Research infrastructures (RI)	“Take advantage from singular infrastructures ”	2,478 M€

OBJECTIVE: Strengthen and extend the **excellence in the European science**, consolidating the European Research Area (ERA) to ensure that the **European R&D system is more competitive at global level.**

- Evaluation just based on excellence in typically **“bottom-up” calls.**
- Flexibility to respond to new opportunities in emerging research fields.
- Following the agenda set by the “independent” scientific community.

Presupuesto provisional

Leadership in key enabling and industrial technologies: ICT, Bio, Space, Materials, Nano and Manufacturing.	“ Reach and exploit the global leadership in those technologies”	15580 M€
Access to risk finance	“Establish an European market to finance the R&D&i”	4000 M€
Innovation in SMEs	“Create growth through innovative SMEs”	700 M€

OBJECTIVE: Transform Europe in an attractive environment **for R&D investments**, working to eliminate market failures: (investment in research on KETs, fragmentation of the VC market, easy SMEs to growth)

- Activities based on technology following **research agendas defined mainly by the industry** to set the basis for future competitiveness advantages in key sectors.
- Financial instruments apart from Collaborative projects (**VC, guarantees, SME instrument**)

Presupuesto provisional

Health, demographic change and wellbeing	9077 M€
Food security and the bio-based economy	4694 M€
Secure, clean and efficient energy	6537 M€
Smart, green and integrated transport	7690 M€
Supply of raw materials, resource efficiency and climate action	3573 M€
Inclusive, innovative and secure societies	4317 M€

OBJECTIVE: Make use of EU research to tackle the **key challenges** identified in the **European 2020 Strategy** that require a critical mass and action level unreachable at MS level.

- Focus on project addressing the **EU political priorities** without determining technologies or solutions, but pulling together resources and multidisciplinary knowledge.
- Special attention to **innovation measures** (Demos, pilots, SME instrument, PCP, standards...)

- Programme structured by a clear set of objectives based on Europe 2020 and Innovation Union
- Focus on overall policy priorities – using a challenge approach
- Integrating research and innovation in a seamless programme
- Common toolkit of funding schemes

- A single programme *bringing together three separate programmes/initiatives**
- More innovation, *from research to retail, all forms of innovation*
- Focus on societal challenges *facing EU society, e.g. health, clean energy and transport*
- **Simplified access**, *for all companies, universities, institutes in all EU countries and beyond.*

* *The 7th research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)*

- A single set of more standardized rules for eligibility, accounting, reporting, auditing
- Simplified cost-reimbursement approach
- Broader acceptance of usual accounting practice, greater use of lump sums and flat rates
- Shorter negotiation and selection phases
- Unique IT portal, common support structures, guidance
- **External management**: learning from experience with Executive Agencies, public-private partnerships, public-public partnerships, financial instruments

- A single set of rules
 - “From the brain to the factory”: A single set of rules for the whole innovation chain.
 - Covering all research programmes and funding bodies (art.185 initiatives, art. 187 initiatives, CIP, EIT)
 - Aligned to the Financial Regulation, coherent with other new EU Programmes
- Single funding rate: one project - one rate **Questionable tras los últimos cambios**
- Simplified and uniform evaluation criteria (except for ERC)
 - Excellence – Impact – Implementation
- New forms of funding aimed at innovation
 - pre-commercial procurement, inducement prizes, dedicated loan and equity instruments

- International participation
 - **facilitated but better protecting EU interests**
- Simpler rules for grants:
 - 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 (Participant's Guarantee Fund renewed)
- Fewer, better targeted controls and audits
 - Lowest possible level of requirements for submission of audit certificates without undermining sound financial management;
 - Audit strategy focused on risk and fraud prevention
- **Improved rules on Intellectual Property**
 - Balance between legal security and flexibility
 - Tailor-made IPR provisions for new forms of funding
 - A new emphasis on open access to research publications

CONDICIONES DE PARTICIPACION

- In general: At least three independent legal entities, not two of the three established in the same Member State or Associated Country
- Minimum one legal entity
 - European Research Council, SME instrument, programme co-fund actions etc.
 - Support actions, training and mobility actions
- Possible additional conditions in Work Programmes

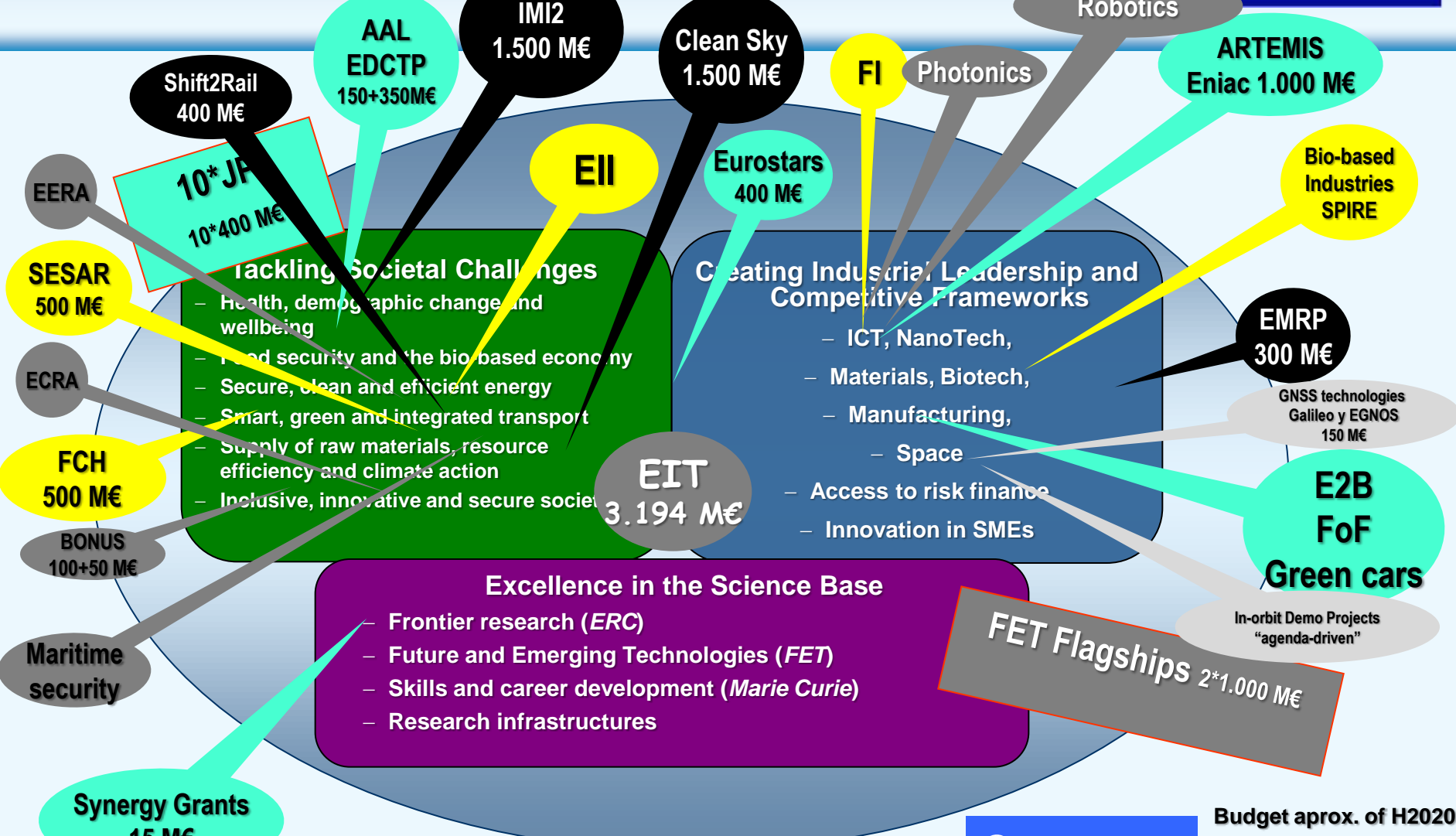
CRITERIOS DE EVALUACION

- Proposals shall be evaluated on the basis of the following criteria:
 - Excellence
 - Impact
 - Quality and efficiency of the implementation
- For proposals for ERC frontier research: sole criterion of excellence
- Proposals shall be ranked according to evaluation results - selection on the basis of this ranking

FINANCIACION Y GESTION DEL TIEMPO

- Single reimbursement rate of eligible costs
 - **Max. 100%** of the total eligible costs
 - Possible limit to **max. 70%** of the total eligible costs:
 - Prototyping, testing, demonstrating, experimental development, piloting, market replication -> **sin ánimo de lucro hasta 100%**
 - Programme co-fund action
- Indirect eligible costs: **flat rate of 25%** of the total direct eligible costs
Aparece en el Acuerdo General Parcial (art. 22a) una remuneración suplementaria (8K€/persona/año) para cualquiera que participe en el proyecto (según las prácticas contables habituales de la entidad)
- Eligible personnel costs shall cover only the actual hours worked by the persons directly carrying out work under the action – **time recording system**
- **NO time recording** necessary for persons working exclusively on actions

Horizonte 2020: La "familia" al completo



+EIP Health, Raw materials, Agro, Water, Smart cities... + ERA
Partnerships +...

Budget aprox. of H2020

Nuevo escenario financiero europeo 2014-2020



**¡Muchas gracias
por su atención!**