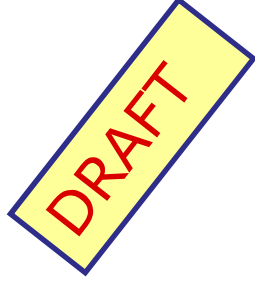


**Oportunidades de financiación para actividades
I+D relacionadas con el sector Transporte en distintas
áreas temáticas**

**LÍNEAS DE TRABAJO RELACIONADAS CON
TRANSPORTE EN OTRAS ÁREAS
TEMÁTICAS DEL FP7. NOVEDADES EN LOS
PROGRAMAS DE TRABAJO 2012**

DRAFT

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1. ICT

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Challenge	Objectives	Funding schemes
Challenge 5: ICT for Health, Ageing Well, Inclusion and Governance	ICT 2011.5.2 Virtual Physiological Human (a), (b), (d)	IP/STREP
	ICT 2011.6.1 Smart energy grids	STREP, CSA
	ICT 2011.6.3 ICT for efficient water resources management	STREP
	ICT 2011.6.5: PPP EEB: ICT for energy-positive neighbourhoods	STREP
Challenge 6: ICT for a Low Carbon Economy	ICT 2011.6.7 Cooperative systems for energy efficient and sustainable mobility	IP/STREP, CSA
	ICT 2011.6.8 PPP GC: ICT for fully electric vehicles	STREP, CSA
Challenge 7: ICT for the Enterprise and Manufacturing	ICT 2011.7.1 PPP FoF: Smart factories: energy-aware, agile manufacturing and customisation	IP/STREP
	ICT 2011.7.2 PPP FoF: Manufacturing Solutions for new ICT products	IP
Challenge 8: ICT for Learning and Access to Cultural Resources	ICT 2011.8.1 Technology-Enhanced Learning	IP/STREP, NoE, CSA
	ICT 2011.8.2 ICT for access to cultural resources	IP/STREP, CSA

- **STREP** (Specific Targeted Research Projects) - Proyectos de Investigación con objetivos específicos
- **IP** (Integrated Projects) - Proyectos Integrados
- **CSA** (Coordination and Support Actions) – Acciones de Colaboración y Apoyo

DRAFT

1. ICT

Call identifier: FP7-2011-ICT-GC

- Fecha publicación: 30 julio 2011
- Fecha cierre: 2 diciembre 2011
- Presupuesto indicativo: 30 M€



Topic: GC.ICT.2011.6-8 PPP GC: ICT for fully electric vehicles

e) Electric Drive and Electronic Components

Partitioned and highly efficient power electronics devices, converter and inverter and electrical interconnects that simplify packaging and cooling, EMI-EMC designs, the management of high voltages, currents and temperatures and hardware-in-the-loop technology for algorithm and component testing (...).

f) Integration of the FEV in the cooperative transport infrastructure

ICT-based interaction between the driver, the vehicle and the transport and energy infrastructures, for FEV trip planning and optimization including energy use and charging (...).

g) Functional Safety and Durability of the FEV

Electrical and electronic components affect vehicle dynamics, safety and durability. Failsafe concepts are an essential element of the system. Requirements and standards related to electromagnetic compatibility and health impacts of electromagnetic fields should be developed (...).

h) Coordination and Support Action “FEV made in Europe”

One action for the coordination of a FEV Strategic Research Agenda for ICT, components and systems, for the clustering of R&D projects in the field, and for training, education and dissemination activities (...).

e), f) y g)
STREPs
(29M€)

h) **CSA**
(1M€)

DRAFT

1. ICT

Call identifier: FP7-ICT-2011-8

- Fecha publicación: 26 julio 2011
- Fecha cierre: 17 enero 2012
- Presupuesto indicativo: 40 M€

Topic: ICT 2011.6.7 - Cooperative systems for energy efficient and sustainable mobility

a) Sistemas cooperativos de movilidad multimodal para un bajo consumo de carbono.

- Diseño, desarrollo y ensayo de nuevos sistemas proactivos de gestión de tráfico y viajes y las estrategias de control, incluyendo el manejo de eventos especiales y de recuperación después de los incidentes
- Importante: Interacción entre el conductor, el vehículo y la infraestructura
- Fiabilidad, privacidad, seguridad y HMI: temas a resaltar
- Enfoque a transporte por carretera



a) y b)
IP/STREPS
(37M€)

b) European Wide Service Platform

- Desarrollo de servicios innovadores para la EWSP, basadas en tecnologías de Internet del Futuro y en coordinación con las actividades en el marco de la PPP Internet del Futuro del Challenge 1



c) Acciones de coordinación y apoyo

- Difusión de los resultados, campañas de sensibilización de los usuarios, evaluaciones de impacto socio-económico y formación

CSA
(3M€)

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2. NMP

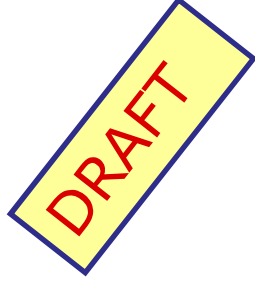
Call identifier: FP7-2012-GC-MATERIALS – single-stage

- Fecha publicación: 20 julio 2011
- Fecha cierre: 1 diciembre 2011
- Presupuesto indicativo: 35 M€ (20 M€ NMP + 5 M€ ENV + 10 M€ TRANSPORT)

Topic: GC.NMP.2012-1 - Innovative automotive electrochemical storage applications based on nanotechnology

- **Technical content/scope:** Projects shall exclusively address the development of innovative materials and technologies for battery components, material architectures and systems for automotive electrochemical storage at cell level within a responsible, sustainable and environmental-friendly approach looking at the entire life cycle (...)
- **Funding Scheme:** Small or medium-sized collaborative projects.
- **Additional Eligibility Criterion:** The EU contribution must not exceed EUR 3 000 000.
- **Expected Impact:** (i) High energy densities with respect to the state-of-the art (i.e. higher than 400 Wh/kg); (ii) Overall performance, safety, recyclability and life-cycle sustainability; (iii) A minimum lifetime of 3000 cycles in a 80% DoD window in typical automotive conditions over 10 years; (iv) Establish and maintain world-class status for the European automotive battery industry.

Ppto.
indicativo
10 M€



2. NMP

Call identifier: FP7-2012-GC-MATERIALS – single-stage

- Fecha publicación: 20 julio 2011
- Fecha cierre: 1 diciembre 2011
- Presupuesto indicativo: 35 M€ (20 M€ NMP + 5 M€ ENV + 10 M€ TRANSPORT)

Topic: GC.NMP.2012-2 - Innovative advanced lightweight materials for the next generation of environmentally-friendly electric vehicles

- Topic **convocado de manera conjunta** por las temáticas de Transporte (GC.SST.2012.1-1), Medio Ambiente (GC.ENV.2012-6.6.-3) y NMP (GC.NMP.2012-2).
- Las propuestas se deben presentar **de manera única** a cualquiera de los 3 topics, **no a todos**.

Ppto.
indicativo
25 M€

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2. NMP

Call identifier: FP7-NMP-2012-SME-6 – two-stage

- Fecha publicación: 20 julio 2011
- Fecha cierre: first stage → 8 noviembre 2011
- Presupuesto indicativo: 48 M€ (4 topics)

Topic: NMP.2012.1.4-3 Nanoscale mechanical metrology for industrial processes and products

- **Technical content/scope:** Manufacturing of nanostructured surfaces aims at fundamentally affecting the functionality of manufactured parts. This requires control, over a relatively large areas (not just over nanoscale areas), of parameters related to tribology, optics, fluidics (affect flow properties by changing the surface), adhesion. Current state-of-the-art processes for measuring at the nanoscale have significant practical limitations as they measure over small distances. The characterisation of surface structures at the nanoscale over large areas, in terms of improved and novel operational performance, will open the way for new products into existing markets (...).
- **Funding Scheme:** SME-targeted collaborative projects.
- **Expected Impact:** The results will lead to radical innovation in the design of products and production processes and to improving the performance of nanostructured coatings, rationalising industrial material selection, and boosting the competitiveness of the product manufacturers. In the long term, this will lead to enhanced operational performance of products, with impact on both competitiveness and sustainability. Measurement standards are a prerequisite to bring on-line the tooling technologies required to produce these products (...).



2. NMP

Call identifier: FP7-NMP-2012-SMALL-6 – two-stage

- Fecha publicación: 20 julio 2011
- Fecha cierre: first stage → 8 noviembre 2011
- Presupuesto indicativo: 124 M€ (13 topics)

Topic: NMP.2012.4.1-3 Development of advanced magnetic materials without, or with reduced use of, critical raw materials

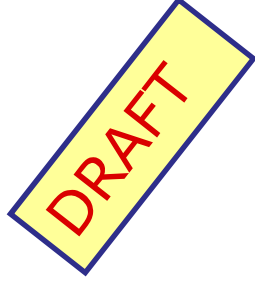
- **Technical content/scope:** Research proposals should address the development of novel advanced magnetic materials that reduce the dependency on Critical Raw Materials. The proposed solution should show substantial improvement on their performances and/or on the elimination or drastic reduction of use of critical raw materials (...)
- **Funding Scheme:** Small or medium-sized collaborative projects
- **Expected Impact:** (i) Availability of high performing materials for e.g. sensors, actuators, ICT applications, refrigerators and/or transport applications (hybrid or pure electric vehicles) or wind turbines or innovative niche applications; and/or (ii) Availability of magnetic material with reduced reliance on scarce elements; and/or (iii) Increased independence of the European supply of critical raw materials; and (iv) support to EU policies.

Max. EU
contribution per
project 4 M€

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3. Medio ambiente

Call identifier: FP7-2012-GC-MATERIALS

- Fecha publicación: 20 julio 2011
- Fecha cierre: 1 diciembre 2011
- Presupuesto indicativo (temática Medio Ambiente): 5 M€

Topic: GC.ENV.2012-6.6-3 Innovative advanced lightweight materials for the next generation of environmentally-friendly electric vehicles

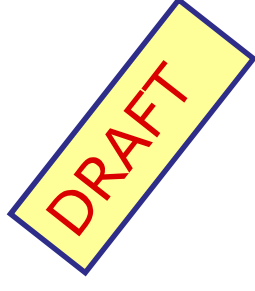
- Topic **convocado de manera conjunta** por las temáticas de Transporte (GC.SST.2012.1-1), Medio Ambiente (GC.ENV.2012-6.6.-3) y NMP (GC.NMP.2012-2).
- Las propuestas se deben presentar **de manera única** a cualquiera de los 3 topics, **no a todos**.

Ppto.
indicativo
25 M€

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4. Energía

Call identifier: FP7-ENERGY-2012-1

- Fecha publicación: 19 julio 2011
- Fecha cierre: 25 octubre 2011

Topic: ENERGY.2012.3.2.1: Biofuels from microalgae or macroalgae

- **Technical content/scope:** The activities under this topic will focus on research and development of processing systems to convert microalgae or macroalgae in either an intermediate energy carrier or in biofuels ready for use (...).

Ppto.
3 M€

- **Funding Scheme:** Collaborative project.
- **Additional information:** Up to two projects will be funded.

Topic: Energy.2012.3.2.2: Development and testing of advanced sustainable bio-based fuels for air transport

- **Technical content/scope:** The topic will support the development and testing of biofuels for use in air transport. The project is expected to demonstrate the production of biofuels suitable for aviation at large enough scale and through long enough production runs to test in typical medium to large commercial flights distances in Europe (...).

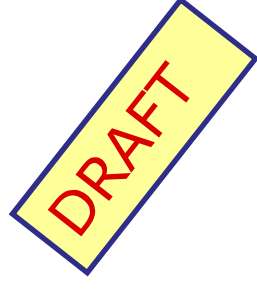
Ppto.
10 M€

- **Funding Scheme:** Collaborative project.
- **Additional information:** No more than one project will be funded.

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5. KBBE

Call identifier: FP7-KBBE-2012-6

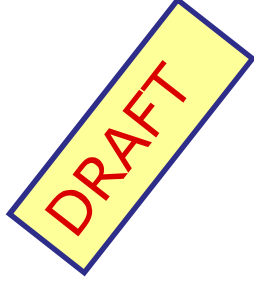
- Fecha publicación: 20 julio 2011
- Fecha cierre: 15 noviembre 2011

Topic: KBBE.2012.3.4-01: Conversion of bio-waste in developing countries – SICCA (African ACP, Mediterranean Partner Countries)

- **Technical content/scope:** The objective of the project is to develop biotechnological processes for converting three types of biodegradable wastes, i.e. municipal, agricultural and industrial biowastes into useful bioproducts for different applications, e.g. animal feed, fertilisers and biofuels. Numerous methods exist for this type of conversion processes. Some of these available methods are quite sophisticated but others are simple and could be adapted to the local conditions found in different developing countries (...).
- **Funding Scheme:** Collaborative Project (small or medium-scale focused research project) for Specific Cooperation Actions dedicated to International Cooperation partner countries.
- **Additional eligibility criteria:** Minimum number of participants: 3 from different Member States or Associated countries and 3 from different ICPC from African ACP and Mediterranean Partner Countries.
- **Additional information:** One project may be funded.

Max. EU
contribution
3 M€

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6. Seguridad

Call identifier: FP7-SEC-2012-1

- Fecha publicación: 20 julio 2011
- Fecha cierre: 23 noviembre 2011

Programa de trabajo todavía confidencial (hasta publicación)

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Gracias por su atención