

**Call title: FP7- SUSTAINABLE SURFACE TRANSPORT (SST)-2012-RTD-1  
(including the 'European Green Cars Initiative')**

- **Call identifier:** FP7-SST-2012-RTD-1
- **Date of publication:** 20 July 2011
- **Deadline<sup>1</sup>:** 1 December 2011 at 17.00.00 (Brussels local time)
- **Indicative budget<sup>2</sup>:** EUR 114.04 million

The indicative distribution of the call budget is as follows:

- EUR 24.00 million for Group of topics (GT) N° 1: Increasing railway capacity.
- EUR 24.00 million for Group of topics (GT) N° 2: Ensuring safe, green and competitive waterborne transport.
- EUR 37.04 million for Group of topics (GT) N° 3: Implementing research for the 'European Green Car Initiative'.
- EUR 27.00 million for Group of topics (GT) N° 4: Activities and research areas of cross-cutting character. They include: ensuring sustainable urban mobility, improving surface transport through ITS, and safety and security.
- EUR 2.00 million for topic SST.2012.1.1-2. Support to the development of joint programming in marine and maritime research to address cross-cutting sea-related challenges (Support Action within the framework of the 'Ocean of Tomorrow').

The budget for this call is indicative. The final budget awarded to actions implemented through calls for proposals may vary:

- The final budget of the call may vary by up to 10% of the total value of the indicated budget for each call; and
- Any repartition of the call budget may also vary by up to 10% of the total value of the indicated budget for the call.
- In case the budget of one or more topic groups could not be consumed (totally or partially), the remaining budget shall be transferred to the other topic groups in accordance with the opinion of the evaluation review panel.

- **Topics called:**

CHALLENGE / ACTIVITY / AREA / Topics	GT N°	Funding Schemes & eligibility criteria
<b>CHALLENGE 1. ECO-INNOVATION</b>		
<b>ACTIVITY 7.2.1. THE GREENING OF SURFACE TRANSPORT</b>		
<b>AREA 7.2.1.1. THE GREENING OF PRODUCTS AND OPERATIONS</b>		
SST.2012.1.1-1. Assessment and mitigation of noise impacts of the maritime transport on the marine environment (coordinated topic within the framework of the 'Ocean of Tomorrow')	2	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.1.1-2. Support to the development of joint programming in marine and maritime research to address cross-cutting sea-related challenges (Support Action within the framework of the 'Ocean of Tomorrow').  <i>Up to 1 project is expected to be funded.</i>		CSA-SA <i>The requested EU contribution shall not exceed EUR 2 000 000</i>

<sup>1</sup> The Director-General responsible may delay this deadline by up to two months.

<sup>2</sup> Under the condition that the draft budget for 2012 is adopted without modifications by the budget authority.

SST.2012.1.1-3. Management of energy in railway systems	1	CP-IP <i>The requested EU contribution shall exceed EUR 3 000 000</i>
<b>CHALLENGE 2. SAFE AND SEAMLESS MOBILITY</b>		
<b>ACTIVITY 7.2.2 ENCOURAGING MODAL SHIFT AND DECONGESTING TRANSPORT CORRIDORS</b>		
<b>AREA 7.2.2.2. MARITIME AND INLAND WATERWAYS TRANSPORT</b>		
SST.2012.2.2-1. Innovative fleet for efficient logistics chain	2	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
<b>AREA 7.2.2.4. QUALITY OF RAIL SERVICE</b>		
SST.2012.2.4-1. Planning rail towards 2050	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.2.4-2. The role of rail in the European transport system in response to major disruptions	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.2.4-3. Efficient rolling stock and train operations for competitive rail freight services	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
<b>AREA 7.2.2.5. INTEROPERABILITY AND SAFETY</b>		
SST.2012.2.5-1. Rail system interoperability (regulatory and non-legislative interoperability based on technological innovations)	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.2.5-2. Europe to Asia: rail research collaboration	1	CSA-CA
<b>ACTIVITY 7.2.3. ENSURING SUSTAINABLE URBAN MOBILITY</b>		
<b>AREA 7.2.3.1. NEW TRANSPORT AND MOBILITY CONCEPTS</b>		
SST.2012.3.1-1. Research actions regarding the accessibility of transport systems	4	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.3.1-2. Innovative design and operation of new or upgraded efficient urban transport interchanges	4	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.3.1-3. Take-up of transport innovation in urban and regional transport	4	CSA-CA
SST.2012.3.1-4. Automated urban vehicles	4	CP-IP <i>The requested EU contribution shall exceed EUR 3 000 000</i>
<b>AREA 7.2.3.2. HIGH QUALITY PUBLIC TRANSPORT</b>		
SST.2012.3.2-1. Coordinating innovation for efficient bus systems in the urban environment	4	CSA-CA
<b>ACTIVITY 7.2.4. IMPROVING SAFETY AND SECURITY</b>		

<b>AREA 7.2.4.1. INTEGRATED SAFETY AND SECURITY FOR SURFACE TRANSPORT SYSTEMS</b>		
SST.2012.4.1-1. Human element factors in shipping safety	2	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.4.1-2. Safety of ships in Arctic conditions	2	CSA-CA
SST.2012.4.1-3. Large scale naturalistic driving observations for safe and sustainable transport	4	CP-IP <i>The requested EU contribution shall exceed EUR 3 000 000</i>
<b>AREA 7.2.4.2. POLICY SUPPORT</b>		
SST.2012.4.2-1. Priorities for road safety research in Europe	4	CSA-SA
<b>CHALLENGE 3. COMPETITIVENESS THROUGH INNOVATION</b>		
<b>ACTIVITY 7.2.5. STRENGTHENING COMPETITIVENESS</b>		
<b>AREA 7.2.5.2 COMPETITIVE SURFACE TRANSPORT PRODUCTS AND SERVICES</b>		
SST.2012.5.2-1. Tools and conditions for attractive, efficient and competitive single wagonload traffic and its interaction with road and intermodal transports	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.5.2-2. Next generation tools for optimised infrastructure asset management	1	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships	2	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
SST.2012.5.2-4. Innovation and standardisation in the field of signalling to accelerate a European Train Control System rollout	1	CP-IP <i>The requested EU contribution shall exceed EUR 3 000 000</i>
SST.2012.5.2-5. E-guided vessels: the 'autonomous' ship	2	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
<b>THE 'EUROPEAN GREEN CARS INITIATIVE'</b>		
<b>AREA 7.2.7.1. DEVELOPMENT OF ELECTRIC VEHICLES FOR ROAD TRANSPORT</b>		
GC.SST.2012.1-2. Smart infrastructures and innovative services for electric vehicles in the urban grid and road environment	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.1-3. European strategy for rare materials and their possible substitution	3	CSA-SA
GC.SST.2012.1-4. Modelling and testing for improved safety of alternatively-powered vehicles	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.1-5. Integration and optimisation of range extenders on Electric Vehicles	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.1-6. Advanced energy simulation and testing	3	CP-FP

for Fully Electric Vehicles (FEV)		<i>The requested EU contribution shall not exceed EUR 3 000 000</i>
<b>AREA 7.2.7.2. RESEARCH FOR HEAVY DUTY VEHICLES FOR MEDIUM AND LONG DISTANCE ROAD TRANSPORT</b>		
GC.SST.2012.2-1. Extreme low rolling resistance tyres	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.2-2. Complete vehicle energy management	3	CP-IP <i>The requested EU contribution shall exceed EUR 3 000 000</i>
<b>AREA 7.2.7.3. LOGISTICS AND CO-MODALITY</b>		
GC.SST.2012.3-1. Towards sustainable interconnected logistics - development of standardised and modular solutions for freight transport vehicles, loading units and transshipment equipment	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.3-2. Improve capturing and sharing of transport data in support of innovative freight transport schemes	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>
GC.SST.2012.3-3. Platform for continuous intermodal freight transport strategic research and innovation	3	CSA-CA
GC.SST.2012.3-4. Green hubs enabling co-modal network design	3	CP-FP <i>The requested EU contribution shall not exceed EUR 3 000 000</i>

- **Eligibility conditions:**

- The general eligibility criteria are set out in Annex 2 to this work programme, and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.
- Table of standard minimum number of participating legal entities for all funding schemes used in the call, in line with the Rules for Participation:

<b>Funding scheme</b>	<b>Minimum conditions</b>
Collaborative Projects - large scale integrating projects (CP-IP) Collaborative Projects - small or medium-scale focused research projects (CP-FP)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Coordination and Support Actions aiming at coordinating research activities (CSA-CA)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Coordination and Support Actions aiming at supporting research activities (CSA-SA)	At least 1 independent legal entity.

- Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

- **Evaluation procedure:**

- The evaluation criteria and scoring scheme are set out in Annex 2 to the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- The evaluation shall follow a single stage procedure.
- Proposals may be evaluated remotely
- The procedure for prioritising proposals with equal scores is described in Annex 2 to the work programme.
- No hearings are foreseen.
- The evaluation will produce 4 ranked lists of proposals retained for funding with the corresponding reserve lists:
  - Group of topics N° 1
  - Group of topics N° 2
  - Group of topics N° 3
  - Group of topics N° 4

- **Indicative timetable:**

- Intended period for evaluation and panel meetings: January to March 2012.
- Intended start date of grant agreement negotiations: April 2012

- **Consortia agreements:** participants in Collaborative Projects are required to conclude a consortium agreement; participants in Coordination and Support Actions are encouraged, but not required, to conclude a consortium agreement.

- **The forms of grants and maximum reimbursement rates** which will be offered are specified in Annex 3 to the Cooperation work programme.

- **Flat rates to cover subsistence costs:** In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: [http://cordis.europa.eu/fp7/find-doc\\_en.html](http://cordis.europa.eu/fp7/find-doc_en.html) under 'Guidance documents/Flat rates for daily allowances'.