

Call title: AERONAUTICS and AIR TRANSPORT (AAT)-2012-RTD-1 (Main call)

- **Call identifier:** FP7-AAT-2012-RTD-1
- **Date of publication:** 20 July 2011
- **Deadline¹:** 1 December 2011 at 17.00.00 (Brussels local time)
- **Indicative budget²:** EUR 136.04 million

The indicative distribution of the call budget is as follows:

- EUR 3.00 million for CSA-SA.
- EUR 68.04 million for topics funded via CP-FP (Level 1) and CSA-CA.
- EUR 65.00 million for topics funded via CP-IP (Level 2).

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 funding schemes above could not be consumed (totally or partially), the remaining budget shall be transferred to the other funding schemes in accordance with the opinion of the evaluation review panel.

- **Topics called:**

CHALLENGE / ACTIVITY / AREA / Topics	Funding Schemes & eligibility criteria
CHALLENGE 1. ECO-INNOVATION	
ACTIVITY 7.1.1. THE GREENING OF AIR TRANSPORT	
AREA 7.1.1.1. GREEN AIRCRAFT	
AAT.2012.1.1-1. Flight physics	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.1-2. Aerostructures	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.1-3 Propulsion	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.1-4. Systems and equipment	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.1-5. Avionics	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>

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

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

AREA 7.1.1.2. ECOLOGICAL PRODUCTION AND MAINTENANCE	
AAT.2012.1.2-1. Production	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.2-2. Maintenance and disposal	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AREA 7.1.1.3. GREEN AIR TRANSPORT OPERATIONS	
AAT.2012.1.3-1. Flight and Air Traffic Management	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.3-2. Airports	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.1.4-2. Demonstration of breakthrough sub-systems enabling high overall pressure ratio engines. <i>Up to 1 project is expected to be funded.</i>	CP-IP <i>The requested EU contribution shall <u>exceed</u> EUR 5 000 000</i>
CHALLENGE 2. SAFE AND SEAMLESS MOBILITY	
ACTIVITY 7.1.2. INCREASING TIME EFFICIENCY	
AREA 7.1.2.2. TIME EFFICIENT AIR TRANSPORT OPERATIONS	
AAT.2012.2.2-2. Airports	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
ACTIVITY 7.1.3. ENSURING CUSTOMER SATISFACTION AND SAFETY	
AREA 7.1.3.1. PASSENGER FRIENDLY CABIN	
AAT.2012.3.1-2. Noise and vibration	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.1-3. Systems and equipment	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AREA 7.1.3.3. AIRCRAFT SAFETY	
AAT.2012.3.3-1. Aerostructures	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.3-2. Systems and equipment	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.3-4. Human factors	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.3-5. Propulsion: tolerance to particle ingestion	CP-FP or CSA-CA

	<i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.3-7. Innovative approach to helicopter safety	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AREA 7.1.3.4. OPERATIONAL SAFETY	
AAT.2012.3.4-1. Design systems and tools	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.4-2. Maintenance	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.4-4. Airports	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.4-5. Human factors	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.3.5-1. Integrated approach to safe flights under icing conditions. <i>Up to 1 project is expected to be funded.</i>	CP-IP <i>The requested EU contribution shall exceed EUR 5 000 000</i>
AAT.2012.3.5-2. Integrated approach and demonstration of safe operations under crew peak workload / reduced crew configuration. <i>Up to 1 project is expected to be funded.</i>	CP-IP <i>The requested EU contribution shall exceed EUR 5 000 000</i>
ACTIVITY 7.1.5. PROTECTION OF AIRCRAFT AND PASSENGERS	
AREA 7.1.5.1. AIRCRAFT SECURITY	
AAT.2012.5.1-1. Aerostructures	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
CHALLENGE 3. COMPETITIVENESS THROUGH INNOVATION	
ACTIVITY 7.1.4. IMPROVING COST EFFICIENCY	
AREA 7.1.4.1. AIRCRAFT DEVELOPMENT COST	
AAT.2012.4.1-1. Design systems and tools	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.1-2. Aerostructures	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.1-3. Systems and equipment	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.1-4. Avionics	CP-FP or CSA-CA

	<i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.1-5. Production	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AREA 7.1.4.2. AIRCRAFT OPERATIONAL COST	
AAT.2012.4.2-1. Flight Physics	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.2-2. Aerostructures	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.2-4. Systems	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.2-6. Maintenance and repair	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AREA 7.1.4.3. AIR TRANSPORT SYSTEM OPERATIONAL COST	
AAT.2012.4.3-1. Design systems and tools	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.3-4. Human factors	CP-FP or CSA-CA <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
AAT.2012.4.4-1. Integrated approach and demonstration to lean manufacturing of metal, composite and hybrid aircraft / engine structures. <i>Up to 1 project is expected to be funded.</i>	CP-IP <i>The requested EU contribution shall exceed EUR 5 000 000</i>
ACTIVITY 7.1.6. PIONEERING THE AIR TRANSPORT OF THE FUTURE	
AREA 7.1.6.2. STEP CHANGES IN AIR TRANSPORTATION	
AAT.2012.6.2-4. Building agility and resilience of the ATM system beyond SESAR	CP-FP <i>The requested EU contribution shall not exceed EUR 5 000 000</i>
CROSS-CUTTING ACTIVITIES FOR IMPLEMENTATION OF THE SUB-THEME PROGRAMME	
AAT.2012.7-1. European Air Transport System scenario elaboration and trend assessment capability. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-8. Attracting young Europeans to future careers in the field of aeronautics. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-9. Supporting organisation of conferences and events	CSA-SA

of special relevance to Aeronautics and Air Transport research.	<i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-25. Assessment of the potential insertion of unmanned aerial system in the air transport system. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-26. Efficient airports for Europe. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-27. Airport centred co-modality and intermodality. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</i>
AAT.2012.7-28. Facilitating access to aircraft for disabled people. <i>Up to 1 project is expected to be funded.</i>	CSA-SA <i>The requested EU contribution shall not exceed EUR 600 000</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:

Funding scheme	Minimum conditions
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.

- Experts will not carry out the individual evaluation of proposals remotely.
- The procedure for prioritising proposals with equal scores is described in Annex 2 to the work programme.
- The evaluation will produce three ranked lists of proposals retained for funding with the corresponding reserve lists:
 - CP-FP (Level 1) and CSA-CA (coordinating)
 - CP-IP (Level 2)
 - CSA-SA (supporting)
- **Indicative timetable:**
 - Intended period for on-site (Brussels) evaluation / panel meetings: February 2012
 - Intended start date for grant agreement negotiations: March 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 under 'Guidance documents/Flat rates for daily allowances'