

FP7 Cooperation Work Programme: Theme 7 Transport (including aeronautics)

Call Fiche

Call Title: FP7- AERONAUTICS and AIR TRANSPORT (AAT) - 2008- RTD-1

- **Call identifier:** FP7- AAT- 2008- RTD-1
- **Date of publication:** 30 November 2007
- **Deadline:** 7 May 2008 at 17.00.00 (Brussels local time)
- **Total Indicative budget¹:** EUR 80.42 million

The indicative distribution of the Call budget is as follows:

- EUR 3 million for CSA–Supporting;
- up to EUR 2 million for topic AAT.2008.7.10 open in FP7-ERA-NET – 2008-RTD, and;
- the remaining budget divided at 50% for topics funded via CP-IP (Level 2) and 50% for topics funded via CP-FP (Level 1) and CSA-Coordinating.

All budgetary figures given in this call are indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of projects, may vary by up to 10% of the total value of the call."

- **Note:** no topics for NoE are open in this Call.
- **Topics called:**

Activity/ Area	Topics called	Funding Schemes Collaborative Projects (CP), Coordination and Support actions (CSA)
7.1.1 THE GREENING OF AIR TRANSPORT – LEVEL ONE		
7.1.1.1 Green Aircraft	AAT.2008.1.1.1. Flight Physics	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.1.1.2. Aerostructures	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.1.1.3 Propulsion	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.1.1.4. Systems and Equipment	CP-FP (small or medium-scale focused research),

¹ Under the condition that the preliminary draft budget for 2008 is adopted without modifications by the budget authority. An amount from the 2009 budget is expected to be added to this call for which a new financing decision to cover the budget for that year will be requested at the appropriate time.

		CSA (coordinating)
	AAT.2008.1.1.5. Avionics	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.1.2 Ecological Production and Maintenance	AAT.2008.1.2.1. Production	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.1.2.2. Maintenance and Disposal	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.1.3 Green Air Transport Operations	AAT.2008.1.3.1. Flight and Air Traffic Management	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.1.3.2. Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.1 THE GREENING OF AIR TRANSPORT – LEVEL TWO		
	AAT.2008.1.4.1 Integrated approach to lowering aircraft external noise	CP-IP (large-scale integrating projects)
7.1.2 INCREASING TIME EFFICIENCY – LEVEL ONE		
7.1.2.1 Aircraft Systems and Equipment for Improved Aircraft Throughput	AAT.2008.2.1.1 Systems and Equipment	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.2.1.3. Maintenance and Repair	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.2.2 Time Efficient Air Transport Operations	AAT.2008.2.2.2. Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.2 INCREASING TIME EFFICIENCY – LEVEL TWO		
	AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet	CP-IP (large-scale integrating projects)
	AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation	CP-IP (large-scale integrating projects)
7.1.3 ENSURING CUSTOMER SATISFACTION AND SAFETY – LEVEL ONE		
7.1.3.1 Passenger Friendly Cabin	AAT.2008.3.1.1.Design Systems and Tools	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.1.2. Noise and	CP-FP (small or medium-

	Vibration	scale focused research), CSA (coordinating)
	AAT.2008.3.1.3. Systems and Equipment	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.3.2 Passenger Friendly Air Transport Operation	AAT.2008.3.2.1. Maintenance and Repair	CP-FP (small or medium-scale focused research), CSA (coordinating)

	AAT.2008.3.2.2. Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.3.3 Aircraft Safety	AAT.2008.3.3.1. Aerostructures	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.3.2. Systems and Equipment	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.3.4. Human Factors	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.3.4 Operational Safety	AAT.2008.3.4.1. Design Systems and Tools	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.4.2. Maintenance	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.4.4. Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.3.4.5. Human Factors	CP-FP (small or medium-scale focused research), CSA (coordinating)

7.1.4 IMPROVING COST EFFICIENCY – LEVEL ONE		
7.1.4.1 Aircraft Development Cost	AAT.2008.4.1.1. Design Systems and Tools	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.1.2. Aerostructures	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.1.3. Systems and Equipment	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.1.4. Avionics	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.1.5. Production	CP-FP (small or medium-scale focused research), CSA (coordinating)

7.1.4.2 Aircraft Operational Cost	AAT.2008.4.2.1. Flight Physics	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.2.2. Aerostructures	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.2.3. Propulsion	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.2.4. Systems	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.2.5. Avionics	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.2.6. Maintenance	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.4.3 Air Transport System Operational Cost	AAT.2008.4.3.1. Design Systems and Tools	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.3.3 Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.4.3.4. Human Factors	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.4 IMPROVING COST EFFICIENCY – LEVEL TWO		
	AAT.2008.4.4.1 Integrated approach to full virtuality in design and product development within the extended enterprise concept	CP-IP (large-scale integrating projects)
	AAT.2008.4.4.2 Integrated approach to network centric aircraft communications for global aircraft operations	CP-IP (large-scale integrating projects)
7.1.5 PROTECTION OF AIRCRAFT AND PASSENGERS – LEVEL ONE		
7.1.5.1 Aircraft Security	AAT.2008.5.1.1. Aerostructures	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.5.1.2. Systems and Equipment	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.5.1.3. Avionics	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.5.2 Operational Security	AAT.2008.5.2.2. Airports	CP-FP (small or medium-scale focused research),

		CSA (coordinating)
	AAT.2008.5.2.3. Human Factors	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.5 PROTECTION OF AIRCRAFT AND PASSENGERS – LEVEL TWO		
	AAT.2008.5.3.1 Integrated approach to air transport system security	CP-IP (large-scale integrating projects)
7.1.6 PIONEERING THE AIR TRANSPORT OF THE FUTURE – LEVEL ONE		
7.1.6.1 Breakthrough Technologies	AAT.2008.6.1.1. Lift	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.1.2. Propulsion	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.1.3. Interior Space	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.1.4. Life-Cycle	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.6.2 Step Changes in Air Transportation	AAT.2008.6.2.1. Novel Air Transport Vehicles	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.2.2. Guidance and Control	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.2.3. Airports	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.6.3 Promising Pioneering Ideas in Air Transport	AAT.2008.6.3.1 The Cruiser/Feeder Concept	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.3.2 Take-off and Landing with Ground-based Power	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.3.3 Personal Air Transport System	CP-FP (small or medium-scale focused research), CSA (coordinating)
	AAT.2008.6.3.4 New Sources of Aircraft Main Propulsive Power	CP-FP (small or medium-scale focused research), CSA (coordinating)
7.1.7 CROSS-CUTTING ACTIVITIES for implementation of the sub-theme programme		
	AAT.2008.7.1. Understanding interactions between transport, energy, environment and society	CP-FP (small or medium-scale focused research), CSA (supporting)
	AAT.2008.7.2. Understanding the behaviour of the different actors and drivers of the Air Transport	CSA (supporting)

	system	
	AAT.2008.7.3. Improving passenger choice in air transportation with the incorporation of additional and new vehicles	CSA (supporting)
	AAT.2008.7.4. Retrofitting for improved sustainability and economic viability of aeronautical products	CSA (supporting)
	AAT.2008.7.5. Stimulating improved participation of Member States with aeronautical R&D potential	CSA (supporting)
	AAT.2008.7.6. Stimulating research with International Cooperation Partner Countries	CSA (supporting)
	AAT.2008.7.7. Supporting the harmonised dissemination of European scientific knowledge from ad-hoc organisations in the field of aeronautics and air transport	CSA (supporting)
	AAT.2008.7.8. Raising public awareness of aeronautics and air transport research in Europe	CSA (supporting)
	AAT.2008.7.9. Supporting the organisation of conferences, workshops and other research related events	CSA (supporting)

- **Evaluation procedure:**

- The evaluation shall follow a single stage procedure
- Proposals may be evaluated remotely
- The evaluation criteria and sub-criteria (including weights and thresholds) for the different funding schemes are set out in Annex 2 to this work programme
- For Topics AAT.2008.7.1 and AAT.2008.7.2 maximum project duration not exceeding 24 months – as indicated in the topic description – constitutes an eligibility criterion.
- Hearings are foreseen for Level 2 projects.
- The evaluation will produce 3 ranked lists of proposals retained for funding with the corresponding reserve lists:
 - CP-FP (Level 1) and CSA-Coordinating
 - CP-IP (Level 2)
 - CSA-Supporting

- **Indicative evaluation and contractual timetable:**

- **Intended period for on-site (BXL) evaluation / panel meetings:** starting on 26 May 2008 (four weeks)

The forms of grants which will be offered are specified in Annex 3 to the Cooperation work programme

The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation and outlined below.

Funding scheme	Minimum conditions
Collaborative project	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Network of excellence	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (co-ordinating)	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (supporting)	At least 1 independent legal entity
Research for the benefit of specific groups, such as SMEs	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.