CALL 5 TOPICS
SP1-JTI-CS-2010-03

Identification	ITD - AREA - TOPIC	topics	VALUE	MAX FUND
JTI-CS-ECO	**Clean Sky - EcoDesign**	**4**	**740.000**	**555.000**
JTI-CS-ECO-01	*Area-01 - EDA (Eco-Design for Airframe)*		**740.000**	
JTI-CS-2010-3-ECO-01-004	Development and implementation of Magnesium sheets in A/C		70.000	
JTI-CS-2010-3-ECO-01-005	Integration development of a wireless strain monitoring system with a simulation tool		250.000	
JTI-CS-2010-3-ECO-01-006	Enhanced local heating device capable of high and homogeneous temperature for the repair of large composite damages		220.000	
JTI-CS-2010-3-ECO-01-007	Accelerated fatigue testing methodology for fiber reinforced laminates for aircraft structures		200.000	
JTI-CS-ECO-02	*Area-02 - EDS (Eco-Design for Systems)*			
JTI-CS-GRA	**Clean Sky - Green Regional Aircraft**	**4**	**840.000**	**630.000**
JTI-CS-GRA-01	*Area-01 - Low weight configurations*		**0**	
JTI-CS-GRA-02	*Area-02 - Low noise configurations*		**510.000**	
JTI-CS-2010-3-GRA-02-010	Advanced concepts for trailing edge morphing wings: design and manufacturing of test rig and test samples and test execution		210.000	
JTI-CS-2010-3-GRA-02-011	LE based technology structure realisation		150.000	
JTI-CS-2010-3-GRA-02-012	Aero-acoustic design and assessment of a low-noise configuration for a regional aircraft nose landing gear (NLG)		150.000	
JTI-CS-GRA-03	*Area-03 - All electric aircraft*			
JTI-CS-GRA-04	*Area-04 - Mission and trajectory Management*		**330.000**	
JTI-CS-2010-3-GRA-04-003	Advanced avionics equipment simulation		330.000	
JTI-CS-GRA-05	*Area-05 - New configurations*			
JTI-CS-GRC	**Clean Sky - Green Rotorcraft**	**1**	**430.000**	**322.500**
JTI-CS-GRC-01	*Area-01 - Innovative Rotor Blades*			
JTI-CS-GRC-02	*Area-02 - Reduced Drag of rotorcraft*			
JTI-CS-GRC-03	*Area-03 - Integration of innovative electrical systems*		**430.000**	
JTI-CS-2010-3-GRC-03-003	Piezo power supply module		430.000	
JTI-CS-GRC-04	*Area-04 - Installation of diesel engines on light helicopters*			
JTI-CS-GRC-05	*Area-05 - Environmentally friendly flight paths*			
JTI-CS-SAGE	**Clean Sky - Sustainable and Green Engines**	**4**	**12.500.000**	**9.375.000**
JTI-CS-SAGE-01	*Area-01 - Geared Open Rotor*			
JTI-CS-SAGE-02	*Area-02 - Direct Drive Open Rotor*			
JTI-CS-SAGE-03	*Area-03 - Large 3-shaft turbofan*		**10.000.000**	
JTI-CS-2010-3-SAGE-03-002	Aeroengine intake technology development		10.000.000	
JTI-CS-SAGE-04	*Area-04 - Geared Turbofan*			
JTI-CS-SAGE-05	*Area-05 - Turboshaft*		**2.500.000**	
JTI-CS-2010-3-SAGE-05-010	Development of a Wasted Heat Regeneration System (WHRS)		1.200.000	
JTI-CS-2010-3-SAGE-05-011	Development of exhaust noise attenuation technologies		1.100.000	
JTI-CS-2010-3-SAGE-05-012	Development of an advanced system for pollutant measurement		200.000	
JTI-CS-SFWA	**Clean Sky - Smart Fixed Wing Aircraft**	**8**	**4.040.000**	**3.030.000**
JTI-CS-SFWA-01	Area01 – Smart Wing Technology		**2.140.000**	
JTI-CS-2010-3-SFWA-01-023	Design of Robust Shock-Control-Bumps for Transport Aircraft with Laminar-Flow Wings		350.000	
JTI-CS-2010-3-SFWA-01-024	Flight-tests with multi-functional coatings		150.000	
JTI-CS-2010-3-SFWA-01-025	Development of a closed loop flow control algorithm for wing trailing edge flow control including experimental valida		560.000	
JTI-CS-2010-3-SFWA-01-026	Power module using Silicon Carbide technology for DC/DC converter application		480.000	
JTI-CS-2010-3-SFWA-01-027	Deflection and structural health monitoring of composite wing movables driven by smart actuators		600.000	
JTI-CS-SFWA-02	Area02 – New Configuration		**1.900.000**	
JTI-CS-2010-3-SFWA-02-007	Wind Tunnel Model Design for Low Speed Test with Active Flow Control		250.000	
JTI-CS-2010-3-SFWA-02-008	Numerical and experimental aero-acoustic assessment of installed Counter Rotating Open Rotors (CROR) power plant		200.000	
JTI-CS-2010-3-SFWA-02-009	Model design & manufacturing of the turbofan configuration for low speed aerodynamic and acoustic tests		1.450.000	
JTI-CS-SFWA-03	Area03 – Flight Demonstrators			
JTI-CS-SGO	**Clean Sky - Systems for Green Operations**	**13**	**7.250.000**	**5.437.500**
JTI-CS-SGO-01	*Area-01 - Definition of Aircraft Solutions and explotation strategies*		**0**	
JTI-CS-SGO-02	Area-02 - Management of Aircraft Energy		**4.500.000**	
JTI-CS-2010-3-SGO-02-019	Sample PEM construction for testing, characterisation and manufacturability assessment.		500.000	
JTI-CS-2010-3-SGO-02-020	Development of key technology components for high performance electric motors		250.000	
JTI-CS-2010-3-SGO-02-021	Development of key technology components for high power-density power converters for rotorcraft swashplate		250.000	
JTI-CS-2010-3-SGO-02-022	Fan noise reduction : study and realisation of a sub-assembly dedicated to new generation of Starter / Generator		200.000	
JTI-CS-2010-3-SGO-02-023	Development of current and voltage sensors suitable with aircraft environment		600.000	
JTI-CS-2010-3-SGO-02-024	Test bench for endurance test and reliability of avionics power electronic modules		800.000	
JTI-CS-2010-3-SGO-02-025	Definition and realisation of a field bus suitable for a multi-PEM (power electronic modules) ressource		500.000	
JTI-CS-2010-3-SGO-02-026	Modelica Model Library Development Part I		300.000	
JTI-CS-2010-3-SGO-02-027	Simulation and Analysis Tool Development Part I		400.000	
JTI-CS-2010-3-SGO-02-028	Support to design and test of cooling technologies		350.000	
JTI-CS-2010-3-SGO-02-029	Tests of advanced lubrication equipment		350.000	
JTI-CS-SGO-03	*Area-03 - Management of Trajectory and Mission*		**750.000**	
JTI-CS-2010-3-SGO-03-008	Modeling of weather phenomena to support Advanced Weather Radar development		750.000	
JTI-CS-SGO-04	*Area-04 - Aircraft Demonstrators*		**2.000.000**	
JTI-CS-2010-3-SGO-04-001	Design and manufacture of an aircraft tractor compliant with specifications for Smart Operations on ground		2.000.000	
JTI-CS-SGO-05	*Area-05 - Aircraft-level assessment and exploitation*		**0**	
JTI-CS-TEV	**Clean Sky - Technology Evaluator**	**0**		
		topics	**VALUE**	**FUND**
	totals (€)	**34**	**25.800.000**	**19.350.000**