

Provisional CALL 8 TOPICS
SP1-JTI-CS-2011-01
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Identification	ITD - AREA - TOPIC	topics	VALUE	MAX FUND
JTI-CS-ECO	Clean Sky - EcoDesign	12	6.410.000	4.807.500
JTI-CS-ECO-01	Area-01 - EDA (Eco-Design for Airframe)		2.050.000	
JTI-CS-2011-1-ECO-01-018	Environmental Data Models and Interface development		720.000	
JTI-CS-2011-1-ECO-01-019	Borate-free cleaners used in anodizing processes		100.000	
JTI-CS-2011-1-ECO-01-020	Chromate-free sealing of TSA		100.000	
JTI-CS-2011-1-ECO-01-021	Industrialisation Set-Up of Thermoplastics «In situ » Consolidation Process		290.000	
JTI-CS-2011-1-ECO-01-022	Development of flexible inductive thin sheet heating device for FRP repair applications		200.000	
JTI-CS-2011-1-ECO-01-023	To develop recycling technologies of aeronautical composite materials through mechano-physical approaches		140.000	
JTI-CS-2011-1-ECO-01-024	Simplified LCA Tool development		250.000	
JTI-CS-2011-1-ECO-01-025	Production of yarns and fabrics based on recycled carbon fibres (CFs)		250.000	
JTI-CS-ECO-02	Area-02 - EDS (Eco-Design for Systems)		4.360.000	
JTI-CS-2011-1-ECO-02-008	Electrical Model of Generic Architecture Electrical Power Distribution		300.000	
JTI-CS-2011-1-ECO-02-009	Alternator with active power rectification and health monitoring		1.700.000	
JTI-CS-2011-1-ECO-02-010	Development, Construction and Integration of Systems for Ground Thermal Test Bench		2.000.000	
JTI-CS-2011-1-ECO-02-011	Heat pipe for critical applications		360.000	
JTI-CS-GRA	Clean Sky - Green Regional Aircraft	6	1.230.000	922.500
JTI-CS-GRA-01	Area-01 - Low weight configurations		770.000	
JTI-CS-2011-1-GRA-01-035	Smart maintenance technologies		220.000	
JTI-CS-2011-1-GRA-01-036	Development of methodology for selection and integration of sensors in fuselage stiffened panels. Testing scheme.		100.000	
JTI-CS-2011-1-GRA-01-037	Advanced fuselage and wing structure based on innovative aluminium lithium alloy - numerical trade off study and		450.000	
JTI-CS-GRA-02	Area-02 - Low noise configurations		460.000	
JTI-CS-2011-1-GRA-02-015	Advanced concepts for trailing edge morphing wings - Design and Manufacturing of test rig and test samples - Test		210.000	
JTI-CS-2011-1-GRA-02-016	Novel nose wheel evolution for noise reduction		250.000	
JTI-CS-GRA-03	Area-03 - All electric aircraft			
JTI-CS-GRA-04	Area-04 - Mission and trajectory Management			
JTI-CS-GRA-05	Area-05 - New configurations		100.000	
JTI-CS-2011-1-GRA-05-006	Regional Airlines Market Survey to upgrade Requirements for "Future Regional Aircraft".		100.000	
JTI-CS-GRC	Clean Sky - Green Rotorcraft	5	3.150.000	2.362.500
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		2.150.000	
JTI-CS-2011-1-GRC-03-006	EMA for utility consumer systems: EMA for Landing Gear		1.000.000	
JTI-CS-2011-1-GRC-03-007	Innovative Dynamic Rotor Brake		700.000	
JTI-CS-2011-1-GRC-03-008	Innovative High Voltage Energy Storage System for Advanced Rotorcraft Integration.		450.000	
JTI-CS-GRC-04	Area-04 - Installation of diesel engines on light helicopters			
JTI-CS-GRC-05	Area-05 - Environmentally friendly flight paths		800.000	
JTI-CS-2011-1-GRC-05-005	Integrated ATC/titrotor simulation of low-noise procedures and evaluation of the impact on operators		800.000	
JTI-CS-GRC-06	Area-06 - Eco Design for Rotorcraft		200.000	
JTI-CS-2011-1-GRC-06-003	Dismantling and recycling of ecodesigned helicopter demonstrators		200.000	
JTI-CS-SAGE	Clean Sky - Sustainable and Green Engines	18	20.000.000	15.000.000
JTI-CS-SAGE-01	Area-01 - Geared Open Rotor		1.000.000	
JTI-CS-2011-1-SAGE-01-001	Lean Burn Control System Verification Rig		1.000.000	
JTI-CS-SAGE-02	Area-02 - Direct Drive Open Rotor		4.500.000	
JTI-CS-2011-1-SAGE-02-006	Pitch Change Mechanism key technologies maturation		2.000.000	
JTI-CS-2011-1-SAGE-02-007	PCM kinematic demonstration		2.200.000	
JTI-CS-2011-1-SAGE-02-008	Propellers electrical de-icing system: reliability assessment of key technologies for high temperature electrical machines		300.000	
JTI-CS-SAGE-03	Area-03 - Large 3-shaft turbofan		6.900.000	
JTI-CS-2011-1-SAGE-03-007	Large 3-shaft Demonstrator – Core Turbomachinery – High Temperature Flexible PCB		600.000	
JTI-CS-2011-1-SAGE-03-009	Large 3-shaft Demonstrator – Aeroengine intake acoustic liner technology development		5.000.000	
JTI-CS-2011-1-SAGE-03-010	Steel casting process advancement		800.000	
JTI-CS-2011-1-SAGE-03-011	Advanced press forming and hardening of high strength steels		500.000	
JTI-CS-SAGE-04	Area-04 - Geared Turbofan		5.300.000	
JTI-CS-2011-1-SAGE-04-008	Casting process optimization and validation of hollow multivane clusters with thin walls and trailing edges		600.000	
JTI-CS-2011-1-SAGE-04-009	Integrating forging- and process-simulation into SAGE4 GTF LPT rotor design		400.000	
JTI-CS-2011-1-SAGE-04-010	Total Measurement System for Geometry and Surface Inspection of bladed Disks (TOMMI)		1.300.000	
JTI-CS-2011-1-SAGE-04-011	Implementation of Carbon-Nanotube Reinforced Aluminum for Aerospace Heat Ex-changer Applications		1.000.000	
JTI-CS-2011-1-SAGE-04-012	Electric Smart Engine Actuator		1.000.000	
JTI-CS-2011-1-SAGE-04-013	High temperature Ni-based alloy forging process advancement		500.000	
JTI-CS-2011-1-SAGE-04-014	High temperature Ni-based super alloy casting process advancement		500.000	
JTI-CS-SAGE-05	Area-05 - Turboshift		2.300.000	
JTI-CS-2011-1-SAGE-05-013	Feasibility study and prototypes manufacturing of oil tank in thermoplastic for Helicopter Engine		450.000	
JTI-CS-2011-1-SAGE-05-014	Hot environment unsteady pressure sensors		750.000	
JTI-CS-2011-1-SAGE-05-015	Development of Quiet exhaust noise attenuation technologies		1.100.000	
JTI-CS-SFWA	Clean Sky - Smart Fixed Wing Aircraft	12	6.750.000	5.062.500
JTI-CS-SFWA-01	Area01 – Smart Wing Technology		2.100.000	
JTI-CS-2011-01-SFWA-01-034	Analysis of sensitivity/robustness of distributed micron-sized roughness elements (MSR) for transition delay		500.000	
JTI-CS-2011-01-SFWA-01-035	Grooved paint surface manufacturing and aerodynamic testing		350.000	
JTI-CS-2011-01-SFWA-01-036	Automated riblet application on relevant aircraft parts		550.000	
JTI-CS-2011-01-SFWA-01-037	Basic wind tunnel investigation to explore the use of Active Flow Control technology for aerodynamic load control		250.000	
JTI-CS-2011-01-SFWA-01-038	High Voltage amplifier for MEMS-based Active Flow Control (AFC) actuators		450.000	
JTI-CS-SFWA-02	Area02 – New Configuration		3.150.000	
JTI-CS-2011-01-SFWA-02-012	Design and manufacturing of an innovative shield - A		70.000	
JTI-CS-2011-01-SFWA-02-013	Design and manufacturing of an innovative shield - B		90.000	
JTI-CS-2011-01-SFWA-02-014	Design and manufacturing of an innovative shield - C		90.000	
JTI-CS-2011-01-SFWA-02-015	Ground Based Structural and Systems Demonstrator Phase 3 – Component and sub-system manufacture		2.900.000	
JTI-CS-SFWA-03	Area03 – Flight Demonstrators		4.650.000	
JTI-CS-2011-1-SFWA-03-006	Outer wing assembly for tooling manufacturing		3.000.000	
JTI-CS-2011-1-SFWA-03-007	Low drag wing foam cover for flight test		900.000	
JTI-CS-2011-1-SFWA-03-008	Acoustic Inlet Lip panel large scale endurance demonstrator		750.000	
JTI-CS-SGO	Clean Sky - Systems for Green Operations	5	3.400.000	2.550.000
JTI-CS-SGO-01	Area-01 - Definition of Aircraft Solutions and exploitation strategies			
JTI-CS-SGO-02	Area-02 - Management of Aircraft Energy		1.450.000	
JTI-CS-2011-1-SGO-02-014	Construction of evaluation Power Modules to a given design		250.000	
JTI-CS-2011-1-SGO-02-026	Modelica Model Library Development Part I		300.000	
JTI-CS-2011-1-SGO-02-032	Current return simulation (methodology & tool)		400.000	
JTI-CS-2011-1-SGO-02-033	Optimisation of coating for low pressure operation of power electronics and identification of pass and fail criteria for r		500.000	
JTI-CS-SGO-03	Area-03 - Management of Trajectory and Mission		250.000	
JTI-CS-2011-1-SGO-03-011	Flight operations for novel Continuous Descent Operations		250.000	
JTI-CS-SGO-04	Area-04 - Aircraft Demonstrators			
JTI-CS-SGO-05	Area-05 - Aircraft-level assessment and exploitation			
JTI-CS-TEV	Clean Sky - Technology Evaluator	0		
		topics	VALUE	FUND
		58	40.940.000	30.705.000