

# Ufficio Parco Scientifico

Newsletter nr. 03-10 – luglio 2010

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Cari lettori,

prima di congedarci per il periodo estivo, non possiamo non segnalarvi le ultime *call*, appena uscite, sul VII PQ, che costituiscono una rubrica corposa, in fondo alla *newsletter*.

In questo numero troverete, inoltre, i prossimi appuntamenti realizzati dall'**Ufficio Parco Scientifico**, nell'ambito del progetto *Spin Over*, come il corso di alta formazione in "Mediatori del Trasferimento **Tecnologico**" e la partecipazione al prossimo evento sulle energie rinnovabili "*ZeroEmission*" che si terrà a Roma dal 7 al 10 settembre 2010.

E ancora, le ultime novità da parte di una delle aziende ospitate presso l'Incubatore di imprese innovative - *Spin Over*, **Algares**, che ha appena finito di realizzare, in collaborazione con il Parco Scientifico un fotobioreattore per biomasse algali come fonte diretta di energia.

Mentre, dal mondo della ricerca, vedremo uno studio sull' Impatto ambientale degli impianti di combustione delle biomasse, presentato dal **Dipartimento di Ingegneria Meccanica**, in occasione dell'inaugurazione di *Spin Hall*, la hall tecnologica di Ateneo, lo scorso 15 maggio a Colferro.

Buona lettura e buone vacanze

Lo staff del Parco Scientifico



UNIVERSITA' degli STUDI di ROMA  
TOR VERGATA  
UFFICIO PARCO SCIENTIFICO

# Dal Parco Scientifico in Tor Vergata

## FORMAZIONE

### Corso di Alta Formazione: Mediatori del Trasferimento Tecnologico

Il corso è finalizzato a formare un professionista in grado di operare nelle pubbliche amministrazioni locali e negli uffici di Trasferimento Tecnologico degli enti di ricerca pubblici e privati, facilitando il matching dei bisogni tecnologici delle PMI con le competenze scientifiche disponibili nel sistema della ricerca pubblica attraverso la mediazione e lo scambio continuo tra questi attori istituzionali.

Il corso, realizzato con il supporto del progetto **Spin Over** - Incubatore d'impresе finanziato dal Ministero dello Sviluppo Economico - si è inserito nel panorama del trasferimento tecnologico (TT) italiano come un'esperienza originale grazie ad un approccio rinnovato al tema del TT, che tiene in considerazione tutti gli aspetti inerenti la creazione, l'incubazione e l'assistenza di imprese innovative (*business plan*, *marketing* strategico, brevettazione, etc.) e ponendo particolare attenzione alle dimensioni sociali ed economiche dell'innovazione, agli attori coinvolti, ai modelli di innovazione e ai modelli organizzativi e culturali delle agenzie di trasferimento.

Sede e ulteriori informazioni Le attività didattiche del Corso per "Mediatori del Trasferimento Tecnologico" si svolgeranno presso gli Uffici del Parco Scientifico – Edificio PP3 - Università degli studi di Roma "Tor Vergata", a partire dal 18 ottobre.

Il costo dell'intero corso è di € 900,00 + IVA. È possibile frequentare un modulo al costo di € 350,00 + IVA Sono previste borse di studio a copertura totale o parziale.

Per informazioni: [checchi@romascienza.it](mailto:checchi@romascienza.it);  
[scatola@romascienza.it](mailto:scatola@romascienza.it)  
telefono: 06 72 59 48 98 06 72 59 40 65

Struttura corso:

Il corso prevede un ciclo didattico in cui saranno affrontate sei principali aree tematiche, distribuite da ottobre a dicembre 2010, con cadenza bisettimanale, per un totale di circa 120h comprensive delle attività di *Project Work*. Durante tutta la durata del corso discenti e docenti potranno avvalersi del supporto multimediale di una piattaforma di formazione a distanza, realizzata con il contributo della Scuola IAD, sulla quale saranno disponibili tutti i materiali presentati e spunti di approfondimento, lasciando spazio al contributo di ognuno. Infine è prevista una fase di apprendimento on the *job* facoltativa, sotto forma

di stage, presso le strutture dei partner del Parco Scientifico, per poter rendere operativo quanto appreso durante la formazione d'aula. La frequenza al corso è obbligatoria.

Moduli didattici e aree tematiche del corso

I modulo:

**Socioeconomia dell'innovazione** Dimensione sociale dell'innovazione e ricadute sul piano sociale; Cambiamento tecnologico e sviluppo industriale; Analisi delle implicazioni conseguenti all'introduzione dell'innovazione nell'impresa. Innovazione tecnologica, occupazione e sviluppo

**Attori e modelli del trasferimento tecnologico** Il sistema della mediazione e dell'integrazione; La Valorizzazione della ricerca scientifica; I Centri di TT regionali; L'Evoluzione del mercato e filiera dell'innovazione: il caso del *Biotech*.

II modulo: **Metodi e strumenti per la valorizzazione dei risultati della ricerca** La valutazione tecnico-scientifica di sistema; La Gestione della Proprietà Intellettuale; Il *business plan* come strumento di autovalutazione e di programmazione dell'idea imprenditoriale; L'analisi degli scenari tecnologici: tecniche di *forecasting* tecnologico; Le tecniche di comunicazione e *marketing*.

**Strumenti finanziari per il trasferimento tecnologico** Il sostegno pubblico all'innovazione: finanziamenti comunitari, nazionali e locali; La progettazione a supporto dell'accesso delle nuove imprese al mercato finanziario. La programmazione finanziaria di progetti congiunti di innovazione; Il mercato degli investitori di rischio

III modulo: **Accesso al mercato e gestione del rapporto con le imprese** Il fabbisogno di innovazione dell'impresa; Politiche dell'innovazione e strategie d'impresa; *Marketing* strategico ed operativo; La tutela legale della proprietà intellettuale nella contrattualistica

**Organizzazione e management** L'impatto dell'innovazione su tipologie e modelli di organizzazione; Il cambiamento organizzativo nelle imprese e nelle strutture pubbliche

# EVENTI



## ZEROEMISSION ROME 2010

Dove **Fiera di Roma, 8 - 10 settembre 2010**

Descrizione **Il Parco Scientifico presente dall' 8 al 10 settembre dell'Università degli Studi di Roma "Tor Vergata" sarà con uno stand alla Fiera di Roma per l'evento ZEROEMISSION ROME 2010.**

Lo stand **5 C36-D35** sarà condiviso con i seguenti spin-off /start-up ospitati all'interno dell'incubatore di imprese innovative Spin Over:

- **Intellienergia Srl**
- **Dyers srl**
- **Algares Srl**
- **Tiberlab Srl**
- **InGem Srl**

Evento ZEROEMISSION ROME 2010, è un evento internazionale dedicato alle energie rinnovabili e rappresenta una manifestazione di riferimento per tutte le aziende, i ricercatori e gli operatori interessati allo sviluppo delle energie rinnovabili, all'*emission trading* e alla sostenibilità ambientale nonché all'energia eolica, al solare fotovoltaico, termico e a concentrazione, alla riduzione e sequestro della CO2 e all'efficienza energetica. Altri focus riguarderanno le *smart grids* (reti intelligenti), l'energia verde, Enerjob (il lavoro nel settore delle rinnovabili) e la ricerca e sviluppo.

**Sono in programmazione workshop e incontri dedicati ai temi più attuali nel dibattito energetico e climatico mondiale**

informazioni Per saperne di più:  
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# ULTIME DAI RICERCATORI IN TOR VERGATA

## IMPATTO AMBIENTALE DEGLI IMPIANTI DI COMBUSTIONE DELLE BIOMASSE

- Abstract** L'area di Fisica Tecnica Industriale ha sviluppato la tecnica per la valutazione dell'impatto ambientale sull'aria degli impianti di combustione di biomasse legnose. Mediante modello di calcolo viene prevista la ricaduta dei principali inquinanti emessi al camino. Sono stati dimensionati e calcolati sino ad ora quattro impianti con potenza elettrica prodotta variabile tra 2 e 7 MW.
- Descrizione** Tra le energie rinnovabili, la combustione delle biomasse è diffusa ovunque, ed è stata usata sin dall'inizio della storia dell'umanità come sorgente di energia termica. Quanto tale sorgente viene utilizzata per la produzione di energia elettrica in impianti di taglia superiore a 1 MW occorre verificare che l'impatto ambientale dei fumi emessi al camino. Per il calcolo di tali quantità è stato utilizzato il modello lagrangiano, gaussiano multistrato CALPUFF a puff (pacchetti discreti di materiale), integrato dai modelli orografici e meteorologici. Tale modello permette di superare i limiti dei modelli preesistenti che non consentivano ad esempio di tenere conto delle inversioni termiche (responsabili della stagnazione degli inquinanti al suolo) e delle interazioni tra i diversi inquinanti.
- Risultati** Sono stati dimensionati ed è stata valutata la fattibilità tecnico economica e l'impatto ambientale dei seguenti impianti:
- Impianto di trigenerazione per l'Università degli Studi di Roma "Tor Vergata" (5MWe), che utilizza come combustibile il residuo della potatura degli alberi dei viali e giardini di Roma e provincia
  - Impianto di cogenerazione per la Città di Demonte (CN) (5MWe) che brucia il legno residuo della manutenzione programmata dei boschi della Valle Stura
  - Impianto di cogenerazione industriale per la generazione di potenza elettrica (3MWe) e calore per una fabbrica di semilavorati in legno di Vasto (CH)
  - Centrale elettrica di 7 MW per il comune di Buti (PI) che brucia il legno estratto dai boschi locali della provincia
- E' stata calcolata la distribuzione della ricaduta degli inquinanti e, quando disponibile, è stato effettuato il confronto con i dati delle centraline meteorologiche-ambientali.
- Innovazione e vantaggi** I vantaggi/svantaggi ambientali, tecnici economici e sociali della realizzazione di un impianto di combustione devono essere accuratamente valutati per decidere la validità dell'iniziativa. Il mezzo al giorno d'oggi più valido per tale valutazione è la previsione modellistica basata su programmi, quale quello utilizzato, lagrangiani, gaussiani, multistrato non stazionari. Tale valutazione è di norma richiesta dalle autorità preposte al rilascio delle autorizzazioni per la realizzazione dell'impianto, e pertanto il calcolo modellistico permette la miglior stima dell'impatto della costruenda centrale, per la decisione della convenienza dell'iniziativa, ed anche l'unica quando l'impianto si trova nella fase di progetto.
- Il rispetto delle norme sulle emissioni e la verifica dell'effettivo impatto dell'impianto sull'aria mediante centraline appositamente posizionate, permetterà poi ad impianto realizzato la verifica del suo buon funzionamento.
- Referenze**
- P. Coppa, S. Cordiner, "Studio di fattibilità; Impianto di generazione di energia a biomassa legnosa per l'Università Degli Studi Di Roma "Tor Vergata", relazione finale del Comitato per la Valutazione della Fattibilità di un impianto di cogenerazione a biomasse. 2006
  - P. Coppa, S. Del Ferraro, Studio di fattibilità per la realizzazione di un sistema cogenerativo a biomassa legnosa, rapporto finale progetto Docup Abruzzo, 2007
  - S. Del Ferraro, "Sviluppo di un progetto di fattibilità di una centrale cogenerativa a biomassa legnosa", Tesi di Laurea Specialistica in Ingegneria Energetica, a.a. 2006-07 (9-5-2007), rel. Prof. P. Coppa
- Contatti** Dipartimento di Ingegneria Meccanica,  
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# ULTIME DALLE AZIENDE INCUBATE

## ALGARES S.R.L. E I PRODOTTI DELLE ALGHE

**AlgaRes** è uno *spinoff* universitario che riunisce la professionalità di ricercatori del Laboratorio di Biologia delle Alghe, Dip. di Biologia dell'Università di Roma 'Tor Vergata'. **AlgaRes** ha una propria collezione di ciano batteri e microalghe di acqua dolce e promuove attività ecologicamente sostenibili focalizzate sulla coltivazione algale per la produzione di biomasse e la ricerca di prodotti derivati.

### Descrizione

I cianobatteri e le microalghe possono essere considerate delle 'biofabbriche verdi' in grado di produrre composti di grande interesse applicativo a partire da energia solare, acqua, CO<sub>2</sub> e sali minerali abbondanti in natura.

Grandi quantità di biomasse algali possono essere cresciute in sistemi aperti e 'fotobioreattori' e i prodotti derivati sono ottenuti in modo sostenibile senza sottrarre

risorse all'agricoltura, consentendo anche il riciclo dell'acqua e l'abbattimento dei gas atmosferici inquinanti.

La società utilizza specie algali evolutivamente adattate a varie condizioni ambientali, che inducono la produzione di una grande varietà di molecole, su cui è incentrata la ricerca di nuovi prodotti sfruttabili nei settori della Bioenergia, Bioscienze, Acquacoltura, Agraria e Aerospazio.

### Risultati

**AlgaRes** offre servizi di selezione, produzione e commercializzazione di starter e inoculi di cianobatteri e microalghe per biomasse algali e molecole derivate, e l'ottimizzazione delle condizioni di crescita. La società ha messo a punto un fotobioreattore per ottenere biomasse algali come fonte diretta di energia e molti composti utili come oli per biodiesel (biodiesel, kerosene), polisaccaridi (antivirali, antinfiammatori molecole; emendanti per il terreno, bioplastiche, imballaggi ecocompatibili), pigmenti (cosmetici, diagnostica, celle solari organiche) e molecole bioattive (antiossidanti, citotossiche). Altri servizi includono la consulenza, progettazione, ricerca e corsi di alta formazione nei settori del miglioramento della qualità ambientale e delle biotecnologie algali per applicazioni innovative.

### Innovazione e vantaggi

Le biomasse algali che non competono con le colture agricole per terreni fertili e non richiedono pesticidi, sono una soluzione innovativa e vantaggiosa per applicazioni biotecnologiche e la produzione di composti commerciali. I biodiesel prodotti dalle alghe sono una fonte di energia sostenibile e rappresentano una promettente alternativa ai derivati di origine vegetale, come il mais e la canna da zucchero, senza intaccare le risorse alimentari del pianeta. **AlgaRes** ha un'esperienza ventennale nello studio delle alghe e propone di utilizzare tali conoscenze in collaborazione con partner industriali e di ricerca per selezionare mediante screening su larga scala (di ceppi in collezione e campioni naturali) organismi produttori di composti di interesse commerciale e ottimizzare crescita e procedure di estrazione.

### Referenze

- Progetto PROALGA – Spin Over Tor Vergata
- Progetto ACQUASENSE – Industria 2015
- LYNX srl (Roma)
- Acquedotto Pugliese SpA (Bari)

### Contatti

#### **AlgaRes** s.r.l.

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# BANDI

**Publicati on-line i nuovi bandi nell'ambito del VII Programma Quadro.**

Si ricorda che, anche in questa occasione, l'Ufficio Parco Scientifico può essere parte attiva nell'attività di supporto al trasferimento tecnologico, alla valorizzazione dei risultati e alla ricerca di partner industriali/ricercatori richiesti.

Contattare l'Ufficio Parco Scientifico a [info@parcoscientifico.eu](mailto:info@parcoscientifico.eu)

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ERANET-2011-RTD	ERA-NET Call 2011	€ 44 600 000 Energy; General Activities; Health; Food, Agriculture and Fisheries, and Biotechnology; Nanosciences, Nanotechnologies, Materials and new Production Technologies; Socio-economic sciences and Humanities; Transport (including Aeronautics)	22 February 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/era/z-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/era/z-ct-201101_en.pdf</a>
ACTIVITY				
1.2.2 Research on the brain and related diseases, human development and ageing		Health		
1.2.4 Translational research in other major diseases		Health		
2.1: Sustainable production and management of biological resources from land, forest and aquatic environment		Food, Agriculture and Fisheries, and Biotechnology		

2.2 Fork to farm: Food (including seafood), health and well being	Food, Agriculture and Fisheries, and Biotechnology		
2.3 Life sciences, biotechnology and biochemistry for sustainable non-food products and processes	Food, Agriculture and Fisheries, and Biotechnology		
4.2 Materials	Nanosciences, Nanotechnologies, Materials and new Production Technologies		
4.4 Integration of technologies for industrial applications	Nanosciences, Nanotechnologies, Materials and new Production Technologies		
5.10 Horizontal Programme Actions	Energy		
7.2 Sustainable Surface Transport	Transport (including Aeronautics)		
8.3.2 Societal Trends and Lifestyles	Socio-economic sciences and Humanities		
Area 8.3.3 Cultural Interactions in an International Perspective	Socio-economic sciences and Humanities		
A4.2.2.3 Support for Programme coordination and cooperation in the context of the ERA	HORIZONTAL		

<b>COOPERATION</b>				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
<b>FP7-HEALTH-2011-single-stage</b>	<b>HEALTH-2011-single-stage</b>	€ 160 500 000 Health	10 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/health/a-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/health/a-ct-201101_en.pdf</a>
ACTIVITY				
HIGH IMPACT RESEARCH INITIATIVES3: HEALTH.2011.1.4-4 AND HEALTH.2011.2.1.1-1				
1. BIOTECHNOLOGY, GENERIC TOOLS AND MEDICAL TECHNOLOGIES FOR HUMAN HEALTH				
2. TRANSLATING RESEARCH FOR HUMAN HEALTH				

3. OPTIMISING THE DELIVERY OF HEALTHCARE TO EUROPEAN CITIZENS

4. OTHER ACTIONS ACROSS THE HEALTH THEME

COOPERATION

CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-HEALTH-2011-two-stage	HEALTH-2011-two-stage	€ 498 000 000 Health	13 October 2010 at 17:00:00 10 February 2011 at 17:00:00 - Second deadline (for 2-stage procedure indicative)	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/health/a-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/health/a-ct-201102_en.pdf</a>

ACTIVITY

1. BIOTECHNOLOGY, GENERIC TOOLS AND MEDICAL TECHNOLOGIES FOR HUMAN HEALTH
  - 1.1 HIGH-THROUGHPUT RESEARCH
  - 1.4 INNOVATIVE THERAPEUTIC APPROACHES AND INTERVENTIONS
2. TRANSLATING RESEARCH FOR HUMAN HEALTH
  - 2.1 INTEGRATING BIOLOGICAL DATA AND PROCESSES: LARGE-SCALE DATA GATHERING, SYSTEMS BIOLOGY
  - 2.2. RESEARCH ON THE BRAIN AND RELATED DISEASES, HUMAN DEVELOPMENT AND AGEING
    - 2.2.1 BRAIN AND RELATED DISEASES
    - 2.2.2 HUMAN DEVELOPMENT AND AGEING
  - 2.3. TRANSLATIONAL RESEARCH IN MAJOR INFECTIOUS DISEASES: TO CONFRONT MAJOR THREATS TO PUBLIC HEALTH
    - 2.3.1 ANTIMICROBIAL DRUG RESISTANCE
    - 2.3.3 EMERGING EPIDEMICS
  - 2.4. TRANSLATIONAL RESEARCH IN OTHER MAJOR DISEASES
    - 2.4.1 CANCER
    - 2.4.2 CARDIOVASCULAR DISEASES
    - 2.4.3 DIABETES AND OBESITY
3. OPTIMISING THE DELIVERY OF HEALTHCARE TO EUROPEAN CITIZENS
  - 3.3 HEALTH PROMOTION

COOPERATION

CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-KBBE-2011-5-CP-CSA	KBBE 2011	€ 237 270 000 Food, Agriculture and Fisheries, and Biotechnology	25 January 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/b-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/b-ct-201102_en.pdf</a>

ACTIVITY

Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic environments

Activity 2.2: Fork to farm: Food (including seafood), health and well being
Activity 2.3: Life sciences, biotechnology and biochemistry for sustainable non-food products and processes
Activity 2.4: Other activities

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-KBBE-2011-5-SME	KBBE 2011	€ 3 000 000 Food, Agriculture and Fisheries, and Biotechnology	25 January 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/b-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/b-ct-201101_en.pdf</a>

ACTIVITY				
Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic environments				
Activity 2.2: Fork to farm: Food (including seafood), health and well being				
Activity 2.3: Life sciences, biotechnology and biochemistry for sustainable non-food products and processes				
Activity 2.4: Other activities				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-OCEAN-2011	The ocean of tomorrow	€ 45 000 000 Energy; Environment (including Climate Change); Food, Agriculture and Fisheries, and Biotechnology; Transport (including Aeronautics)	18 January 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/befg-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/kbbe/befg-ct-201103_en.pdf</a>

ACTIVITY				
Area 2.1.5 Call "The ocean of tomorrow" – Joining research forces to meet challenges in ocean management (Food, Agriculture and Fisheries, and Biotechnology)				
Area ENERGY.10.1 Call "The ocean of tomorrow" – Joining research forces to meet challenges in ocean management				
Area 6.2.2.2 Call "The ocean of tomorrow" – Joining research forces to meet challenges in ocean management (environment)				
Activity 7.2.8 Call "The ocean of tomorrow" - Joining research forces to meet challenges in ocean management (transport)				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK

FP7-JPROG-2011-RTD	Joint Programming Coordination 2011	€ 6 000 000 Environment (including Climate Change); Food, Agriculture and Fisheries, and Biotechnology	05 October 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201105_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201105_en.pdf</a>
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ACTIVITY

2.1 Sustainable production and management of biological resources from land, forest and aquatic environment

2.2 Fork to farm: food (including seafood), health and well being

6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat

COOPERATION

CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ICT-2011-C	FET Open	€ 46 000 000 Information and Communication Technologies	12 March 2013 at 17:00:00  12 March 2013 at 17:00:00 For Batch_15 STREP and CSA  25 September 2012 at 17:00:00 For Batch_14 STREP and CSA  10 April 2012 at 17:00:00 - For Batch_13 STREP and CSA  25 October 2011 at 17:00:00 - For Batch_12 STREP and CSA  17 May 2011 at	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201103_en.pdf</a>

			17:00:00 - For Batch_11 STREP and CSA	
ACTIVITY				
Future and emerging technologies				
ICT-2011.9.1 FET-Open: Challenging current thinking				
ICT-2011.9.2 High-Tech Research Intensive SMEs in FET research				
ICT-2011.9.3 FET Young Explorers				
ICT-2011.9.4 International Cooperation in FET research				
COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ICT-2009-C	FET Open scheme	€ 61 000 000 Information and Communication Technologies	07 December 2010 at 17:00:00  07 December 2010 at 17:00:00 - For Batch_10 full STREP and CSA  06 July 2010 at 17:00:00 - For Batch_09 full STREP and CSA  26 January 2010 at 17:00:00 - For Batch_08 full STREP and CSA  22 September 2009 at 17:00:00 - For Batch_07 full STREP and CSA  26 May 2009 at	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c_ct_200903_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c_ct_200903_en.pdf</a>

			17:00:00 - For Batch_06 full STREP and CSA	
			20 January 2009 at 17:00:00 - For Batch_05 full STREP and CSA	
ACTIVITY				
Future and emerging technologies				
ICT-2009.8.0 FET-Open: Challenging current thinking				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-2011-ICT-FI	"Future Internet"- 2011	€ 90 000 000 Information and Communication Technologies	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201101_en.pdf</a>
ACTIVITY				
<b>Challenge 1: Pervasive and Trusted Network and Service Infrastructures</b>				
FI.ICT-2011.1.7 Technology foundation: Future Internet Core Platform				
FI.ICT-2011.1.8 Use Case scenarios and early trials (Phase 1)				
FI.ICT-2011.1.9 Capacity Building and Infrastructure Support (Phase 1)				
FI.ICT-2011.1.10 Programme Facilitation and Support				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-2011-ICT-GC	"ICT for Green Cars"-2011	€ 30 000 000 Information and Communication Technologies	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201102_en.pdf</a>
ACTIVITY				

PPP GC: ICT for fully electric vehicles (a,b,c,d)

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-2011-NMP-ENV-ENERGY-ICT-EeB	"Energy-efficient Buildings" - 2011	€ 85 500 000 Energy; Environment (including Climate Change); Information and Communication Technologies; Nanosciences, Nanotechnologies, Materials and new Production Technologies	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/df-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/df-ct-201102_en.pdf</a>
ACTIVITY				
Materials for new energy efficient building components with reduced embodied energy				
New efficient solutions for energy generation, storage and use related to space heating and domestic hot water in existing buildings				
Energy saving technologies for buildings envelope retrofitting				
Geo-clusters approach to support European energyefficiency goals				
Technologies for ensuring, monitoring and/or controlling a high quality indoor environment <sup>5</sup> particularly in relation to energy efficient buildings				
Operational guidance for Life Cycle Assessment studies of the Energy Efficient Buildings Initiative				
Demonstration of very low energy new buildings				
ICT for energy-efficient buildings and spaces of public use - <b>a) targeted outcome</b>				
ICT for energy-efficient buildings and spaces of public use - <b>b) targeted outcome</b>				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-2011-NMP-ICT-FoF	"Factories of the Future" - 2011	€ 160 000 000 Information and Communication Technologies; Nanosciences, Nanotechnologies, Materials and new Production	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/dc-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/dc-ct-201103_en.pdf</a>

		Technologies		
ACTIVITY				
The eco-factory: cleaner and more resource-efficient production in manufacturing				
Cooperative machines and open architecture control system				
Robots for automation of postproduction and other auxiliary processes				
High-tech solutions in the production processes for customised healthy, green and safe consumer products				
Towards zero-defect manufacturing				
Manufacturing chains for nanophased component and coatings				
Virtual Factories and enterprises				
Digital factories: Manufacturing design and product lifecycle management				
Digital factories: Manufacturing design and product lifecycle management				

<b>COOPERATION</b>				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ICT-2011-FET-F	FET Flagship Initiative	€ 10 000 000 Information and Communication Technologies	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201105_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201105_en.pdf</a>
ACTIVITY				
ICT 2011.9.5 FET Flagship Initiative Preparatory Actions				
COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ICT-2011-EU-Russia	JOINT ICT EU - RUSSIA 2010	€ 4 000 000 Information and Communication Technologies	14 September 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ict/c-ct-201104_en.pdf</a>
ACTIVITY				
Objective ICT- 2009.10.2 EU-Russia Research and Development cooperation				
(a) Programming Models and Runtime Support				
(b) Performance Analysis Tools for High-Performance Computing				
(c) Optimisation, Scalability and Porting of Codes				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
2010/S 108-163203	Digital object identifiers and unique author identifiers to enable services for data quality assessment, provenance and access	€ 100 000 Information and Communication Technologies	07 September 2010 at 16:00:00	<a href="http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.cooperationDetailsCallPage&amp;call_id=327">http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.cooperationDetailsCallPage&amp;call_id=327</a>

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-NMP-2011-EU-RUSSIA	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – Coordinated call EU-Russia 2011	€ 4 500 000 Nanosciences, Nanotechnologies, Materials and new Production Technologies	31 March 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201106_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201106_en.pdf</a>

ACTIVITY				
NMP.2011.1.4-5 Multiscale Modelling as a tool for Virtual Nanotechnology Experimentation				
a. Theoretical analysis, design and functional virtual testing of hetero or hybrid nanostructured elements for use in smart systems, integrated systems, OLEDs, photo-voltaics or energy saving applications				
b. Theoretical analysis, design and functional virtual testing of organic matrix nanocomposites for industrial applications (including optical electrical and mechanical properties).				
c. Theoretical analysis, design and functional virtual testing of behavioural features (e.g. biocompatibility and mechanical properties) of biocompatible, metallic nanomaterials.				

COOPERATION				
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CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-NMP-2011-CSA-5	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – CSAs	€ 12 000 000 Nanosciences, Nanotechnologies, Materials and new Production Technologies	01 February 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201104_en.pdf</a>
ACTIVITY				
Ensuring the safety of Nanotechnology				
Structuring actions				
Integration of technologies for industrial applications				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-2011-GC-ELECTROCHEMICAL-STORAGE	Sustainable automotive electrochemical storage	€ 25 500 000 Environment (including Climate Change); Nanosciences, Nanotechnologies, Materials and new Production Technologies; Transport (including Aeronautics)	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201101_en.pdf</a>
ACTIVITY				
Advanced eco-design and manufacturing processes for batteries and electrical components				
Operational guidance for Life Cycle Assessment studies of the European Green Cars Initiative				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-NMP-ENERGY-2011	Theme 4 – NMP - Nanosciences,	€ 25 000 000 Energy; Nanosciences,	25 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201110_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201110_en.pdf</a>

	Nanotechnologies, Materials and new Production Technologies and Theme 5 ENERGY	Nanotechnologies, Materials and new Production Technologies		
ACTIVITY				
ACTIVITY 4.1: NANOSCIENCES AND NANOTECHNOLOGIES				
Development and up-scaling of innovative photovoltaic cell processes and architectures to pilot-line scale for industrial application				
ACTIVITY ENERGY.2: RENEWABLE ELECTRICITY GENERATION				
Development and up-scaling of innovative photovoltaic cell processes and architectures to pilot-line scale for industrial application				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-NMP-2011-EU-Japan	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – Coordinated call EU-Japan 2011	€ 5 000 000 Nanosciences, Nanotechnologies, Materials and new Production Technologies	17 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201105_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201105_en.pdf</a>
ACTIVITY				
Innovative materials for advanced applications - Fundamental properties of novel superconducting materials				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENV-NMP-2011	FP7-ENV-NMP-2011	€ 12 000 000 Environment (including Climate Change); Nanosciences, Nanotechnologies, Materials	16 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/fd-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/fd-ct-201104_en.pdf</a>

		and new Production Technologies		
ACTIVITY				
Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets.				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-NMP-2011-LARGE-5 / SMALL-5 /SME-5	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – LARGE 2011	€ 118 000 000 Nanosciences, Nanotechnologies, Materials and new Production Technologies	04 November 2010 at 17:00:00  28 April 2011 at 17:00:00 - Second deadline (for 2-stage procedure indicative)	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201107_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/nmp/d-ct-201107_en.pdf</a>
ACTIVITY				
Maximising the contribution of nanotechnology to sustainable development				
Nanotechnology for benefiting environment, energy and health				
Cross-cutting and enabling R&D				
Innovative materials for advanced applications				
Rapid transfer and integration of new technologies into the design and operation of manufacturing processes				
Integration of technologies for industrial applications				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENERGY-2011-2	Energy Call Part 2	€ 137 000 000 Energy	07 April 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201102_en.pdf</a>
ACTIVITY				
ACTIVITY ENERGY.2: RENEWABLE ELECTRICITY GENERATION (photovoltaic – wind)				
ACTIVITY ENERGY.4: RENEWABLES FOR HEATING AND COOLING (solar)				
CROSS-CUTTING ACTIONS BETWEEN ACTIVITY 5 and 6.				
ACTIVITY ENERGY.7: SMART ENERGY NETWORKS				
ACTIVITY ENERGY.8 ENERGY EFFICIENCY				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENERGY-2011-JAPAN	ENERGY - EU Japan Call	€ 5 000 000 Energy	25 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201104_en.pdf</a>
ACTIVITY				
ENERGY.2011.2.1-1: Ultra-high efficiency concentration photovoltaics (CPV) cells, modules and systems / EU-Japan Coordinated Call				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENERGY-2011-1	Energy Call - Part 1	€ 74 000 000 Energy	16 November 2010 at 17:00:00  26 April 2011 at 17:00:00 - Stage 2 (only for proposals retained at stage 1) (indicative deadline)	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201101_en.pdf</a>
ACTIVITY				
ACTIVITY ENERGY.2: RENEWABLE ELECTRICITY GENERATION				
ACTIVITY ENERGY.3: RENEWABLE FUEL PRODUCTION				
ACTIVITY ENERGY.4: RENEWABLES FOR HEATING AND COOLING				
ACTIVITY ENERGY.5: CO2 CAPTURE AND STORAGE TECHNOLOGIES FOR ZERO EMISSION POWER GENERATION				
ACTIVITY ENERGY.6: CLEAN COAL TECHNOLOGIES				
ACTIVITY ENERGY.7: SMART ENERGY NETWORKS				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENERGY-2011-EXCHANGE	ENERGY International Research Staff	€ 3 000 000 Energy	16 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/energy/e-ct-201103_en.pdf</a>

	Exchange Scheme			
ACTIVITY				
ENERGY.2011.10.2-1: Pilot International Researcher Exchange in the field of energy research (US and Japan)				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENV-2011	FP7-ENV-2011	€ 155 000 000 Environment (including Climate Change)	16 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201101_en.pdf</a>
ACTIVITY				
ACTIVITY 6.1. CLIMATE CHANGE, POLLUTION AND RISKS				
ACTIVITY 6.2. SUSTAINABLE MANAGEMENT OF RESOURCES				
ACTIVITY 6.3. ENVIRONMENTAL TECHNOLOGIES				
ACTIVITY 6.4. EARTH OBSERVATION AND ASSESSMENT TOOLS FOR SUSTAINABLE DEVELOPMENT				
ACTIVITY 6.5. HORIZONTAL ACTIONS				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENV-2011- ECO- INNOVATION- OneStage	FP7-ENV-2011- ECO- INNOVATION- OneStage	€ 7 000 000 Environment (including Climate Change)	16 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201102_en.pdf</a>
ACTIVITY				
Eco-innovation				
Development of ecoefficiency meso-level indicators for technology assessment				
Macro-level Indicators to monitor the environmental impact of innovation				
Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for ecoinnovation				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK

FP7-ENV-2011-ECO-INNOVATION-TwoStage	FP7-ENV-2011-ECO-INNOVATION-TwoStage	€ 43 000 000 Environment (including Climate Change)	16 November 2010 at 17:00:00  26 April 2011 at 17:00:00 - Second deadline (for 2-stage procedure indicative)	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/f-ct-201103_en.pdf</a>
ACTIVITY				
Eco-innovation				
Development of ecoefficiency meso-level indicators for technology assessment				
Macro-level Indicators to monitor the environmental impact of innovation				
Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for ecoinnovation				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-ENV-NMP-2011	FP7-ENV-NMP-2011	€ 12 000 000 Environment (including Climate Change); Nanosciences, Nanotechnologies, Materials and new Production Technologies	16 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/fd-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/environment/fd-ct-201104_en.pdf</a>
ACTIVITY				
Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets.				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-GALILEO-2011-ENTR-1	FP7-GALILEO-2011-ENTR-1	€ 3 000 000 Transport (including Aeronautics)	16 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201104_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201104_en.pdf</a>
ACTIVITY				

7.4.3. ADAPTING RECEIVERS TO REQUIREMENTS AND UPGRADING CORE TECHNOLOGIES

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-GALILEO-2011-GSA-1-a	FP7-GALILEO-2011-GSA-1	€ 17 500 000 Transport (including Aeronautics)	16 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201102_en.pdf</a>
ACTIVITY				
7.4.1 EXPLOITING THE FULL POTENTIAL				
7.4.3 ADAPTING RECEIVERS TO REQUIREMENTS AND UPGRADING CORE TECHNOLOGIES				
7.4.4 SUPPORTING INFRASTRUCTURE EVOLUTION				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-AAT-2011-RTD-1	FP7 - AERONAUTICS and AIR TRANSPORT (AAT) - 2011 - RTD-1	€ 121 300 000 Transport (including Aeronautics)	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201101_en.pdf</a>
ACTIVITY				
7.1.1. THE GREENING OF AIR TRANSPORT				
7.1.2. INCREASING TIME EFFICIENCY				
7.1.3. ENSURING CUSTOMER SATISFACTION AND SAFETY				
7.1.4. IMPROVING COST EFFICIENCY				
7.1.6. PIONEERING THE AIR TRANSPORT OF THE FUTURE				
7.1.7. CROSS-CUTTING ACTIVITIES FOR IMPLEMENTATION OF THE SUBTHEME PROGRAMME				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SST-2011-	FP7-	€ 91 250 000	02 December 2010 at	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation</a>

RTD-1	SUSTAINABLE SURFACE TRANSPORT (SST)-2011-RTD-1	Transport (including Aeronautics)	17:00:00	<a href="http://n/transport/g-ct-201105_en.pdf">n/transport/g-ct-201105_en.pdf</a>
ACTIVITY				
7.2.1. THE GREENING OF SURFACE TRANSPORT				
7.2.2 ENCOURAGING MODAL SHIFT AND DECONGESTING TRANSPORT CORRIDORS				
7.2.4. IMPROVING SAFETY AND SECURITY				
7.2.5. STRENGTHENING COMPETITIVENESS				
7.2.6. CROSS-CUTTING ACTIVITIES FOR IMPLEMENTATION OF THE SUBTHEME PROGRAMME				
7.2.7. THE 'EUROPEAN GREEN CARS INITIATIVE'				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-TPT-2011-RTD-1	FP7-TRANSPORT (TPT)-2011-RTD-1	€ 6 000 000 Transport (including Aeronautics)	02 December 2010 at 17:00:00	<a href="http://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201106_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/transport/g-ct-201106_en.pdf</a>
ACTIVITY				
Socio-economic research and technology foresight				
Integration of transport modes and cross-cutting research				
Strengthening the European Research				
Area, encouraging participation, and dissemination of research results				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SSH-2011-1	FP7-SSH-2011- Collaborative projects (large scale integrating research projects)	€ 40 000 000 Socio-economic sciences and Humanities	02 February 2011 at 17:00:00	<a href="http://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201101_en.pdf</a>
ACTIVITY				

Activity 8.1: Growth, employment and competitiveness in a knowledge society – the European case
Activity 8.2 Combining economic, social and environmental objectives in a European perspective: paths towards sustainable development
Activity 8.4. Europe and the world
Activity 8.5: The Citizen in the European Union

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SSH-2011-2	FP7-SSH-2011- Collaborative projects (large scale integrating research projects)	€ 29 700 000 Socio-economic sciences and Humanities	02 February 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201102_en.pdf</a>
ACTIVITY				
Activity 8.1: Growth, employment and competitiveness in a knowledge society – the European case				
Activity 8.2 Combining economic, social and environmental objectives in a European perspective: paths towards sustainable development				
Activity 8.3: Major trends in society and their implications per activity (Budget per Activity EUR 2.7 million)				
Activity 8.4. Europe and the world				
Activity 8.5: The Citizen in the European Union				
Activity 8.6: Socio-economic and scientific indicators (Budget per Activity EUR 2.7 million)				

COOPERATION				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SSH-2011-3	FP7-SSH-2011- Coordination and support actions	€ 6 300 000 Socio-economic sciences and Humanities	02 February 2011 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201103_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/ssh/h-ct-201103_en.pdf</a>
ACTIVITY				
Activity 8.1: Growth, employment and competitiveness in a knowledge society – the European case				
Activity 8.6: Socio-economic and scientific indicators				
Activity 8.7: Foresight activities				

COOPERATION				
CALL	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK

INDENTIFIER				
FP7-SPACE-2011-1	Space Call 4	€ 99 000 000 Space	25 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/space/j-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/space/j-ct-201101_en.pdf</a>
ACTIVITY				
9.1.1 Space-based applications at the service of European Society / Preoperational validation of GMES services and products3				
9.1.5 Space-based applications at the service of European Society / Continuity of GMES services in the areas of Marine and Atmosphere3				
9.2.1 Strengthening of Space foundations/ Research to support space science and exploration				
9.2.2 Strengthening of Space foundations / Research to support space transportation and key technologies				
9.2.3 Strengthening of Space foundations / Reducing the vulnerability of space assets				
9.3.2 Cross-cutting activities / International Cooperation				
9.3.3 Cross-cutting activities / Transnational cooperation among NCPs				
9.3.5 Cross-cutting activities/ Studies and events in support of European Space Policy				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SEC-2011-1	Security Research Call 4	€ 221 430 000 Security	02 December 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/security/k-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/security/k-ct-201101_en.pdf</a>
ACTIVITY				
Activity: 10.1 Increasing the Security of the Citizens				
Activity: 10.2 Increasing the Security of infrastructures and utilities				
Activity: 10.3 Intelligent surveillance and enhancing border security				
Activity: 10.4 Restoring security and safety in case of crisis				
Activity: 10.5 Improving security systems integration, interconnectivity and interoperability				
Activity: 10.6 Security and society				
Activity: 10.7 Security research coordination and structuring				

COOPERATION				
CALL INDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FCH-JU-2010-1	FCH JU Call for Proposals 2010 Part 1	€ 89 100 000 Joint Technology Initiatives	13 October 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/jti/y-ct-201004_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/cooperation/jti/y-ct-201004_en.pdf</a>

ACTIVITY
Area SP1-JTI-FCH.1: Transportation & Refuelling Infrastructure
Area SP1-JTI-FCH.2: Hydrogen Production & Distribution
Area SP1-JTI-FCH.3: Stationary Power Generation & CHP
Area SP1-JTI-FCH.4: Early Markets
Area SP1-JTI-FCH.5: Cross-cutting Issues

CAPACITIES				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7- INFRASTRUCTU RES-2011-1	call 8: FP7- INFRASTRUCTU RES-2011-1	€ 163 450 000 Research Infrastructures	25 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/infrastructures/n-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/infrastructures/n-ct-201101_en.pdf</a>
ACTIVITY				
1.1	Support to existing research infrastructures			
1.2	Support to new research infrastructures			
1.3	Support to policy development and programme implementation			

CAPACITIES				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7- INFRASTRUCTU RES-2011-2	Ninth Call of the CAPACITIES Specific Programme	€ 95 000 000 Research Infrastructures	23 November 2010 at 17:00:00	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/infrastructures/n-ct-201102_en.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/infrastructures/n-ct-201102_en.pdf</a>
ACTIVITY				
1.1	Support to existing research infrastructures			
1.2	Support to new research infrastructures			
1.3	Support to policy development and programme implementation			

CAPACITIES				
CALL IDENTIFIER	CALL TITLE	BUDGET€ and THEME	DEADLINE	CALL LINK
FP7-SME-2011-	Research for the	€ 189 000 000 Research for	08 December 2010 at	<a href="ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/">ftp://ftp.cordis.europa.eu/pub/fp7/docs/calls/capacities/</a>

BSG	benefit of SMEs	the benefit of SMEs	17:00:00	<a href="http://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/sme/p-ct-201102_en.pdf">sme/p-ct-201102_en.pdf</a>
ACTIVITY				
2.1 Research for SMEs				
2.2 Research for SME Associations				
2.3 Demonstration Action				

<b>CAPACITIES</b>				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-SME-2011-CP	Research for the benefit of SMEs	€ 15 000 000 Research for the benefit of SMEs	08 December 2010 at 17:00:00	<a href="http://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/sme/p-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/sme/p-ct-201101_en.pdf</a>
ACTIVITY				
2.1 Research for SMEs				
2.2 Research for SME Associations				
2.3 Demonstration Action				

<b>CAPACITIES</b>				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-REGIONS-2011-1	Transnational cooperation between regional research-driven clusters	€ 18 660 000 Regions of Knowledge	09 December 2010 at 17:00:00	<a href="http://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/regions/q-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/regions/q-ct-201101_en.pdf</a>
ACTIVITY				
Regions-2011-1. Transnational cooperation between regional research-driven clusters				

<b>CAPACITIES</b>				
CALL IDENTIFIER	CALL TITLE	BUDGET and THEME	DEADLINE	CALL LINK
FP7-REGPOT-2011-1	Unlocking and developing the Research Potential	€ 64 680 000 Research Potential	07 December 2010 at 17:00:00	<a href="http://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/regpot/r-ct-201101_en.pdf">ftp://ftp.cordis.europa.eu/pub/ftp7/docs/calls/capacities/regpot/r-ct-201101_en.pdf</a>

	of research entities established in the EU's Convergence Regions and Outermost regions			
ACTIVITY				
REGPOT-2011-1. Unlocking and developing the research potential of research entities in the EU's Convergence regions and Outermost regions				

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