



## **EU Most Relevant Policy Initiatives**

- Green Paper of March 2006 on "A European Strategy for Sustainable, Competitive and Secure Energy"
- Energy Package adopted in 2007 including the following statements:
  - Technology is a key element in achieving the Green Paper triangle and hence the proposed <u>Strategic Energy Technology</u> Plan (SET Plan)
  - Main EU targets:
    - 20% of greenhouse gas emissions reduction by 2020
    - 20% of energy efficiency improvement by 2020
    - 20% of renewable energy sources in the energy mix by 2020 (With 10% Biofuels in transport)

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## European Strategic Energy Technology Plan (SET-Plan)

COM(2007)723 of 22 November 2007

- Joint strategic planning new Governance align technology development with energy policy goals
- Effective implementation:
  - European Industrial Initiatives: strategic technology alliances
  - Strengthening European energy research capacities European Energy Research Alliance
  - Trans-European Energy Networks and Systems of the Future – transition planning
- Increase resources, both financial and human. Follow-up Communication in 2008
- Reinforce international cooperation

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# **Energy Theme:**Overall objective

 Adapting the current fossil-fuel based energy system into a more sustainable one,

less dependent of imported fuels,

based on a diverse mix of energy sources and carriers, with particular attention being paid to

lower and non-CO2 emitting energy technologies, combined with enhanced energy efficiency and conservation.

• To address the pressing challenges of security of supply and climate change, whilst increasing the competitiveness of Europe's industries.

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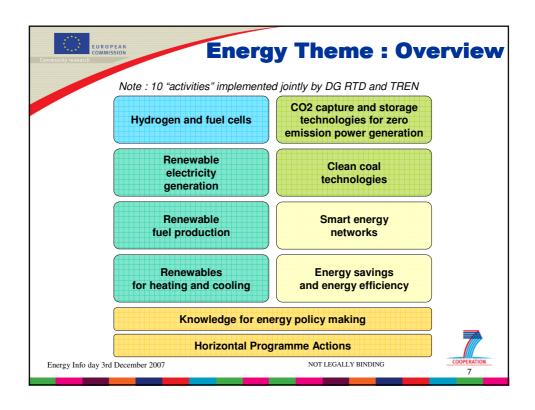
# **EU FP : Co-operation Specific Programme**

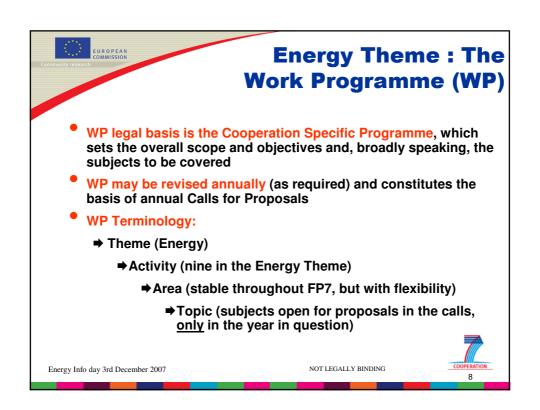
#### **THEMES**

- 1. Health
- 2. Food, agriculture and fisheries, and biotechnology
- 3. Information and communication technologies
- 4. Nanosciences, nanotechnologies, materials and new production technologies
- 5. Energy (2.3 Billion €)
- 6. Environment (including climate change)
- 7. Transport (including aeronautics)
- 8. Socio-economic sciences and the humanities
- 9. Space
- 10. Security

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## 2008 RTD Energy Calls in Brief

- 4 calls managed by DG RTD (R&D focus) in 2008
- Collaborative Projects (<u>CP</u>) and Coordination and Support Actions (CSA)
- <u>Two stages</u> submission and evaluation procedures, with the exception of co-ordinated call between Russia and EU
- For each topic: content/scope; funding scheme; expected impact; any other pertinent information
- Where applicable, indication of <u>maximum number</u> of projects that will be supported
- Unless <u>budget split</u> is specified, <u>competition</u> within and across topics within the same call

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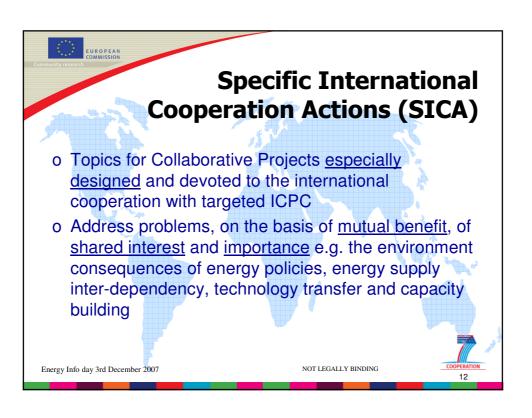
# The Four 2008 RTD Energy Calls

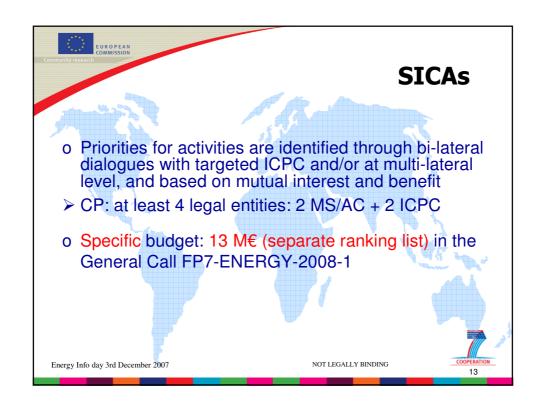
- (General) RTD Energy Call: 6 activities; 11 topics; 26.3 M€; 2 stages submission and evaluation FP7-ENERGY-2008-1
- EU-Russia co-operation (coordinated call): 2 activities; 2 topics ("Power generation from biomass" and "Innovative operational and/or monitoring tools for large power systems"; 4 M€; single stage - FP7-ENERGY-2008-RUSSIA
- Future and Emerging Technologies: horizontal actions; 1 topic "strictly bottom-up"; 2 stages; 15 M€ FP7-ENERGY-2008-FET
- Energy and Materials Programmes Joint Call: horizontal actions; same topic in both programmes "Novel materials for energy applications"; 25 M€ (15+10) FP7-ENERGY-NMP-2008-1

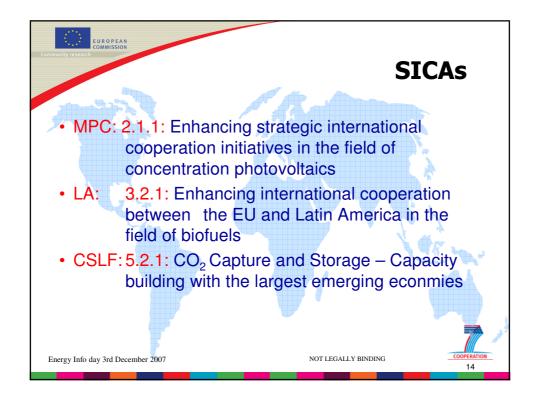
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	Activity / Area	Topic	Max. No. of projects	Funding Scheme	Indicative Budget
2/1	"RESe" / PV	Concentration PV (MED + US, Australia)	1	CP (Research) - SICA	
3/2	"RESf" / 2nd Generation	Biofuels (LA)	open	CP (Research) - SICA	13 M€
	CO2 Capture and Storage (CCS) for Zero Emission Power Generation / Storage	CCS - Capacity building (Emerging Economies)	open	CP -SICA	
		CCS - Public acceptance	1	CSA (support)	
5/2		CO2 Storage - Methodology for qualification of deep saline aquifers	open	CP (Research)	
		CO2 transport and storage infrastructure development	1	СР	
2/7	RESe / Hydro	Prenormative research for hydropower	1	СР	13 M€
7/1	Smart Energy Networks / Interacttive Distribution Networks	Open-access standards for smart multi-metering services	1	СР	
7/2	Smart Energy Networks / Pan-European Networks	Innovative concepts and technologies for gas networks	open	CP (Research)	
8/1	Energy Efficiency and Savings / Manufacturing Industry	Energy efficiency of industrial heat exchangers and boilers	open	CP (R&D)	
10	Horizontal Programme Actions	Trans-national cooperation among National Contact Points	1	CSA (Coordin.)	0,3 M€



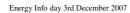






# Two stages Evaluation Procedure – Stage 1 ("outline" proposals)

- Submission deadline: 26 February 2008, 17:00:00
- Evaluation: March-April 2008
- Limited size (A4, 12pt., 2cm margins) + 2 pages describing consortium and estimated financial resources involved
- will be evaluated on the basis of S&T quality only (threshold 4/5). Mark of 0 to 5 with possibility of ½ marks



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# Two stages Evaluation Procedure – Stage 2 ("full" proposals)

- Submission deadline will be specified in invitation letter (indicative: 29 May 2008)
- Evaluation: June 2008
- Full proposal should be complete and precise, but as concise as possible
- Will be evaluated against the entire set of evaluation criteria. Marks of 0 to 5 with possibility of ½ marks.

Thresholds:

S&T quality Implementation Impact Overall  $\left.\begin{array}{c}4\\3\\3,5\end{array}\right\} \text{ out of 5}$ 

out of 15

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## **Energy EU-Russia Call**

- Date of publication: 30 November 2007
- Deadline: 26 February 2008
- Indicative budget: 4 M€ (EC contribution)
  - Topic ENERGY.2008.2.2.1: Enhancing strategic international cooperation with Russia in the field of power generation from biomass
  - ➤ Topic ENERGY.2008.7.2.3: Innovative operational and monitoring tools for large power systems
- All specific arrangements for this particular Call will be set out in the relevant Guide for Applicants

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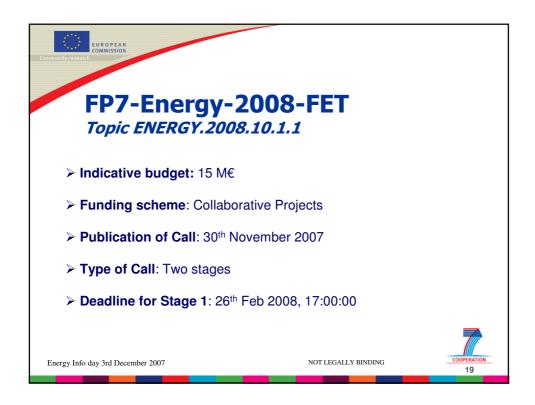
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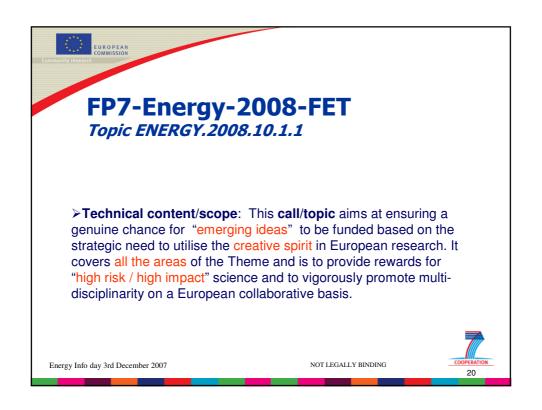


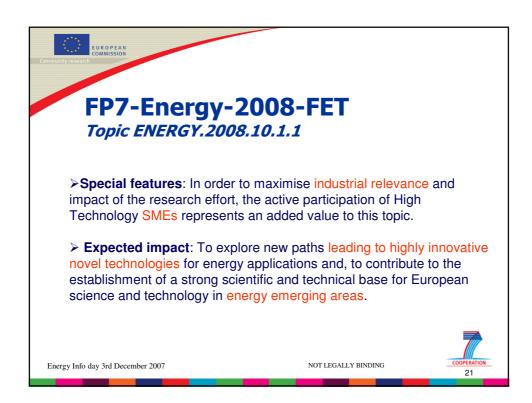
Participants

According to the FP7 rules, the minimum number of participants in each project proposal is 3 from different EU Member States or Associated Countries

In order to ensure a balance between participants a minimum number of two participants established in Russia is requested in each project proposal. This is an eligibility criterion.











### FP7-ENERGY-NMP-2008-1 Call

- Indicative budget: 25 M€ (15 M€ Energy + 10 M€ NMP)
- Funding scheme: Collaborative Projects
- Max. EC contribution 3M€ This is an eligibility criterion)
- Publication of the Call: 30 November 2007
- Type: Two stages
- Deadline for Stage One: 26 February 2008, 17:00



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### **Scope and content**

- The projects are to address a wide spectrum of novel materials, including nanomaterials, for energy applications
- All technology areas of the Energy Theme are included, for example:
  - energy conversion and storage
  - photon capture
  - > CO<sub>2</sub> capture and storage
- The research activities to be supported should go beyond conventional approaches, be novel, ambitious and of long term nature



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## 2008 RTD Energy Calls Documents

- Relevant general documents readily available include:
  - EC Rules for participation
  - Rules for submission, evaluation, selection, award
  - Standard model grant agreement
  - Guide for beneficiaries
  - Guide to Financial Issues

All documents listed above and additional ones can be found at:

http://cordis.europa.eu/fp7/find-doc\_en.html

Further call-specific documents :

These will be available on the following site when the call will be published, i.e. 30 November 2007:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.FP7CallsPage=

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#### **Some Advice**

- Get in touch with your NCP and other intermediaries
- Look at the EU "List of Projects" and the Technology Platforms reports
- Be aware that drafting a proposal and establishing the right consortium takes time, particularly as coordinator
- Read carefully the Work Programme (topic, funding scheme, expected impact, etc.) and other documents (e.g. guides)
- Do not assume that the independent evaluation experts know everything you know

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