

RENEWABLE ENERGY TECHNOLOGIES
AND
SOCIO-ECONOMIC TOOLS

THE 2004 CALL
FOR PROPOSALS

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Sustainable development, global change and ecosystems

- × **Sustainable energy systems (810 M€+)**
 - ✓ **Short-Medium term (DG TREN) (405 M€)**
 - ✓ **Medium-Long term (DG RTD) (405 M€)**
- × **Sustainable surface transport (610 M€+)**
- × **Global change and ecosystems (700 M€+)**



Implementation principles

Creation of the European Research Area in Sustainable Energy Systems

- x Focus on priorities**
- x Priority use of the new instruments**
- x Selective calls**
- x Clear differentiation between Short to Medium term
and Medium to Long term activities**



Sustainable Energy Systems

- × **Two halves: Short-Medium & Medium-Long Term**
- × **Separate Calls for Proposals, Same rules**
- × **Short-medium term (405 M€) DG TREN**
 - ✓ **RTD in support of EU Energy Policy**
 - ✓ **Mostly Demonstration & Dissemination & shorter term Research**
 - ✓ **Energy efficiency/savings technologies aiming at changing unsustainable demand patterns and integrating RES in the energy system**

Focus ————— **Integrated demonstration actions**

Impact ————— **Accelerate market penetration with
emphasis on 2010 energy policy
objectives**



Sustainable Energy Systems

- × **Medium-long term (405 M€) DG RTD**
 - ✓ **Mostly Research & Integrated activities**
 - ✓ **Overcoming technical challenges to cost competitiveness of new and renewable energy sources, energy carriers and energy technologies**

Focus ————— **Research, including prototypes and pilot plants**

Impact ————— **Technology development (wide exploitation beyond 2010)**



Medium and long-term research actions (ML)

- × **Fuel cells, including their applications**
- × **New technologies for energy carriers (hydrogen and electricity)**
- × **New and advanced concepts in renewable energy technologies**
- × **Capture and sequestration of CO₂**
- × **Socio-economic tools and concepts for energy strategy**



FP6 instruments

- × **Integrated Projects (IP)**
- × **Networks of Excellence (NoE)**
- × **Specific Targeted Research Projects (STREP)**
- × **Co-ordination Actions (CA)**
- × **Specific Support Actions (SSA)**



Integrated project

What is an IP ?

- × **Supporting objective-driven research of an European dimension. Generating knowledge.**
- × **Integrating the critical mass of activities and resources needed to achieve ambitious, clearly defined scientific and technological objectives**
- × **Activities: research, technological development and demonstration, training, management of knowledge and exploitation**
- × **Flexibility and autonomy**

Duration

- × **Between 3 and 5 year but longer if necessary**



Networks of Excellence

What is an NoE ?

- × **Strengthening scientific and technological excellence**
- × **Integrating critical mass of resources and expertise**
- × **Aiming at durable integration**
- × **Joint programme of activities**
 - ✓ **Integrating activities**
 - ✓ **Joint research programme**
 - ✓ **Activities linked to spreading of excellence**
 - ✓ **Management of the consortium**
- × **Flexibility and autonomy**

Duration

- × **Between 4 and 5 year but longer if necessary**



Specific Targeted Research Projects

What is a STREP ?

- × Evolved from FP5 RTD research and demonstration projects
- × Gain new knowledge to improve existing processes or developing new ones

Duration

- × Between 2 to 3 years, longer if justified



Co-ordination Actions

What is a CA ?

- × Evolved from FP5 concerted actions/thematic networks
- × Promote and support networking and co-ordination of research organisations, initiatives or projects. Improve integration
- × Arranging conferences, meetings, performing studies, etc
- × Exchange and dissemination of good-practices

Duration

- × Between 2 to 3 years, longer if duly justified



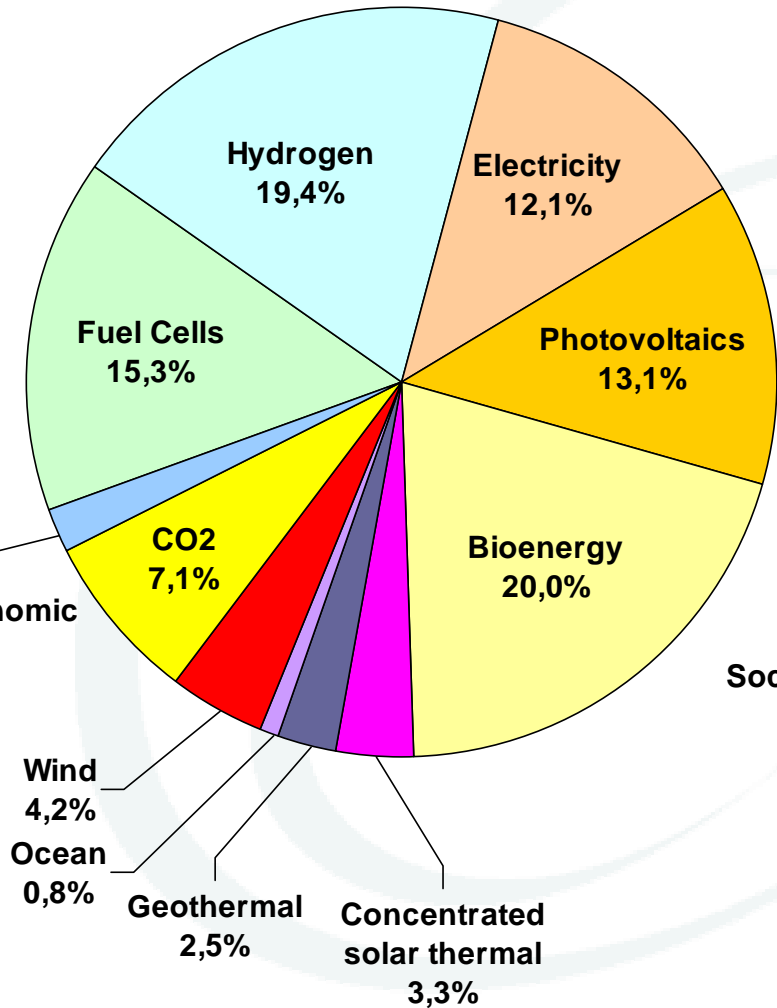
FP6-2004-ENERGY-3 Call

	IP	NoE	STREP	CA
x Photovoltaics:	2	1	3	-
x Biomass:	3	-	3	1
x Wind:	1	-	1	1
x Geothermal:	-	-	2	1
x Ocean:	1	-	1	-
x Solar Thermal:	-	-	2	-
x Socio-economics:	-	-	2	1

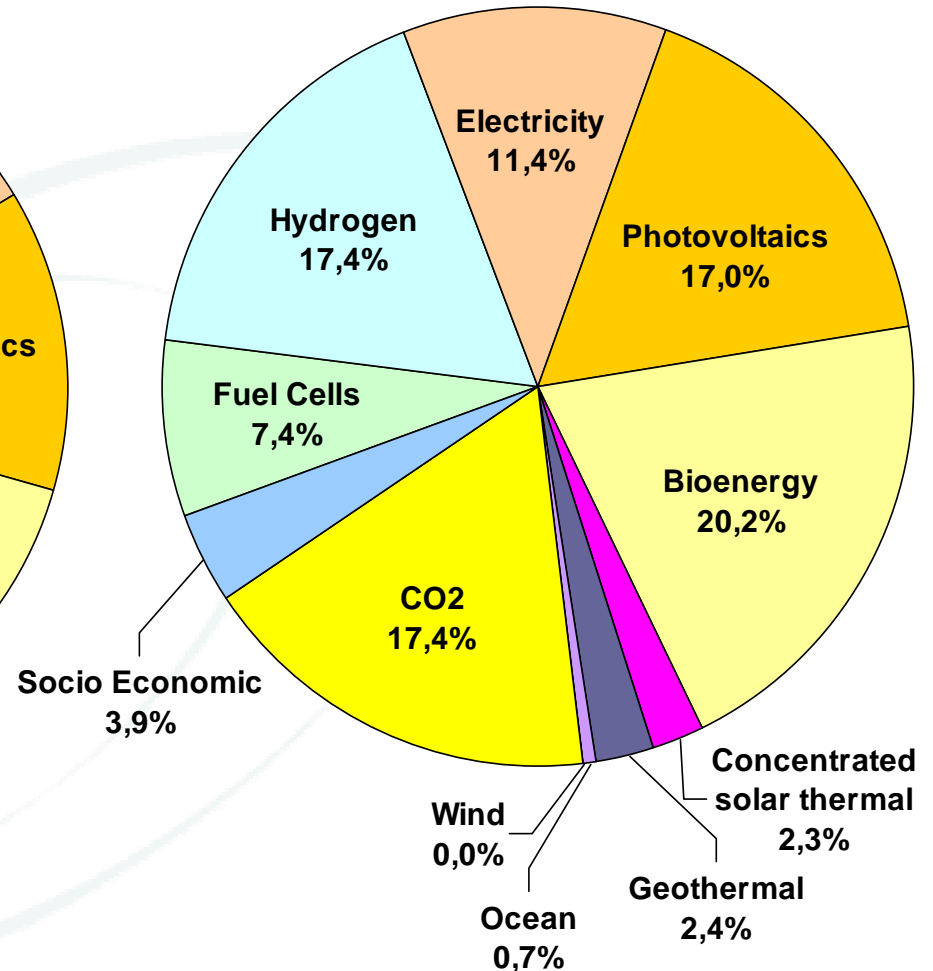


First Call EC Funding by area

Evaluated proposals



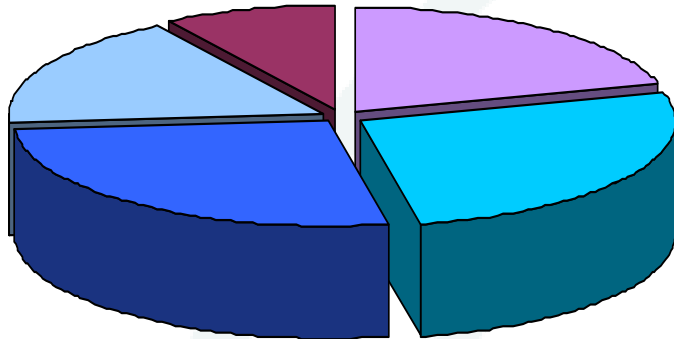
Ranked list proposals



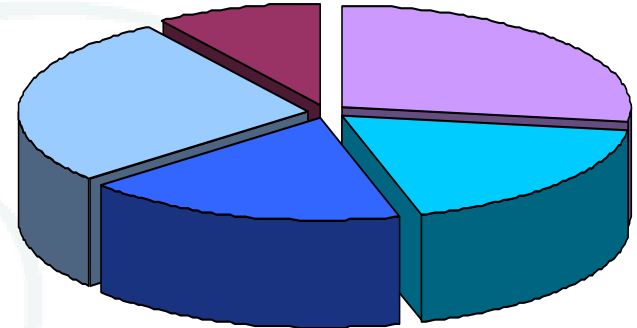


Typical Projects in 1st Call

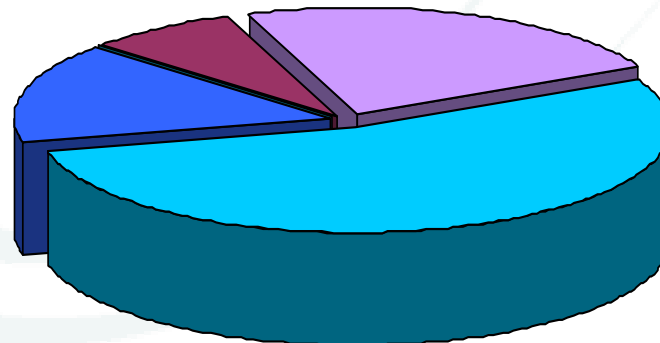
Integrated Project
9 M€funding , 10-40 partners



STREP
2 M€funding, 5-10 partners



Network of Excellence
6 M€funding, 8-15 partners





Staying informed (additional sites)

- × **EUROPA**
http://www.europa.eu.int/comm/dgs/research/index_en.html

- × **Energy research web site**
http://europa.eu.int/comm/research/energy/index_en.html

- × **CORDIS**
 - FP6 : <http://fp6.cordis.lu/fp6/>
 - Call text: http://fp6.cordis.lu/fp6/call_details.cfm?CALL_ID=167
(deadline 8 December 2004)

- × **RENEWS newsletter**
<http://europa.eu.int/comm/services/mailing/index.cfm?serviceid=1187>