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# MESSAGE FROM DG RESEARCH



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Conference '*Policies for millions of indoor environments*', Brussels,  
16-17 September 2008





## Main DGs and agencies of the Commission addressing E&H health issues

FUNDING OF EUROPEAN RESEARCH		
	<b>Research Directorate-General (DG Research):</b> ✓ <i>Environment</i> Directorate ✓ <i>Health</i> Directorate ✓ <i>Biotechnologies, Agriculture and Food</i> Directorate	
	<b>Information Society and Media Directorate-General (DG InfoS)</b>	
POLICY MAKING		
	<b>Environment DG (DG ENV)</b>	<b>European Environment and Health Action Plan (EHAP), human biomonitoring, air pollution, noise-related issues, climate change, water pollution, REACH...</b>
	<b>Health and Consumer Protection DG (DG SANCO)</b>	<b>EHAP, Public health policies (EMF, indoor air issues...), Community legislation on food contaminants, risk assessment committees (SCHER, SCENHIR), Programme of Community Action in the Field of Health 2008-2013 ...</b>
	<b>Enterprise and Industry DG</b>	<b>Community legislation on substances, REACH...</b>
	<b>Employment, Social Affairs and Equal Opportunities DG</b>	<b>Occupational health...</b>
OTHER ACTORS		
	<b>Joint Research Centre DG</b>	<b>Validation of chemical testing methods, EHAP...</b>
	<b>European Environment Agency</b>	<b>Reporting, analyses...</b>
	<b>European Chemicals Agency</b>	<b>REACH</b>



- ✓ Ongoing/finished projects: ensure that (final) results are appropriately disseminated to relevant stakeholders including policy-makers  
←CORDIS, PIDS [*Project Information and Dissemination Service*]...
  
- ✓ Future calls for proposals: Analyse research needs, with inputs from scientific community, Advisory Group, Programme Committee, other DGs etc  
→Propose topics for calls for proposals





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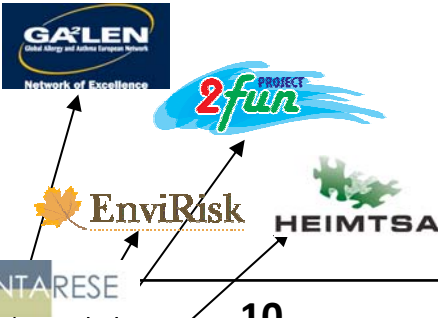


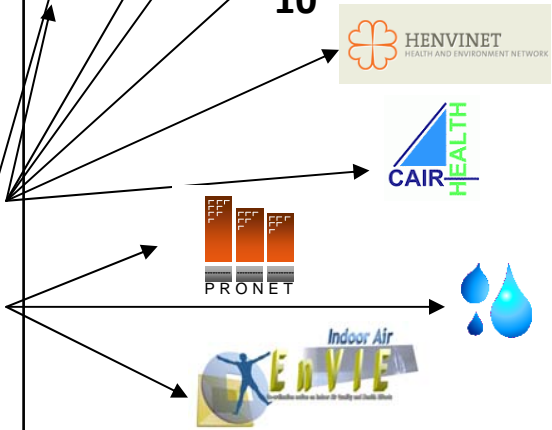
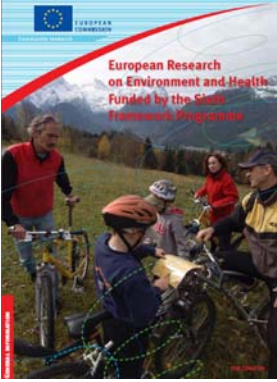
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## Priorisation of future research topics

- **Emerging/neglected scientific issues** with insufficient evidence for health impacts
  - Health impacts related to climate change; impact of nanoparticles on human health and environment; health risks of exposure to non-ionising radiation (EMF); noise; indoor and water quality
- Need to **support evolving policies** in the field of population exposures to
  - non-ionising radiation (EMF)
  - nanoparticles
  - indoor and outdoor air pollution
- **Issues of public and media concern**
  - Risks linked to increased use of mobile phone especially in children/adolescents
  - Presence of many chemicals in European populations as evidenced by human biomonitoring
  - Concerns about health impacts of climate change
- **Issues of public health relevance**
  - Increasing cancer rates
  - Increasing rates of asthma/allergies
  - Increasing reproductive anomalies and neurodevelopment
  - Obesity 'epidemic'



## EU Framework Programmes of Research: In FP5 and FP6 indoor air and health was not a priority!

		Nb projects funded with relevance to IAQ	More info
	<p><b>Fifth Framework Programme (1998-2002):</b> No specific mention on indoor air/health issues (air pollution was one of the priorities)</p>	<p><b>12</b></p> 	
	<p><b>Sixth Framework Programme (2002-2006):</b> Indoor/health issues covered by</p> <ul style="list-style-type: none"> <li>• Global change and ecosystems</li> <li>• Scientific support to policy</li> </ul>	<p><b>10</b></p> 	

**FP5 results:** [http://ec.europa.eu/research/environment/pdf/env\\_health\\_projects/env\\_health\\_brochure.pdf](http://ec.europa.eu/research/environment/pdf/env_health_projects/env_health_brochure.pdf)




**FP6 catalogue:** [http://ec.europa.eu/research/environment/pdf/eur23460\\_en.pdf](http://ec.europa.eu/research/environment/pdf/eur23460_en.pdf)





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## EU Framework Programmes of Research: In FP7 indoor air is one of priorities

		Nb projects funded with relevance to IAQ	Call Topic → Project selected
 <p>Seventh Framework Programme (2006-2013): Indoor air/health issues specifically covered by Environment and Health sub-activity</p> 		5 (first two calls)	<ul style="list-style-type: none"> <li>▪ Indoor air pollution in Europe: an emerging environmental health issue → <b>HITEA</b> <i>Health effects of indoor pollutants: integrating microbial, toxicological and epidemiological approaches</i> €2.8M</li> <li>▪ European cohort on air pollution → <b>ESCAPE</b> <i>European study of cohorts for air pollution effects</i> €6.9M</li> <li>▪ Databases based on European cohort studies and their exploitation for advancement of knowledge of environment-health relationships → <b>ENRIECO</b> <i>Environmental health risks in European birth cohorts</i> €0.9M</li> <li>▪ Specific, easy-to-use portable devices for measurement and analysis → <b>NANODEVICE</b>: <i>Novel concepts, methods, and technologies for the production of portable, easy-to-use devices for the measurement and analysis of airborne engineered nanoparticles in workplace air</i> EC contribution €9.5M</li> <li>▪ Performance indicators for health, comfort and safety of the indoor built environment → <b>PERFECTION</b> <i>Performance indicators for health, comfort and safety of the indoor environment</i> €1.5M</li> </ul>
FP7 catalogue: <a href="ftp://ftp.cordis.europa.eu/pub/fp7/environment/docs/catalogue_projects_2008.pdf">ftp://ftp.cordis.europa.eu/pub/fp7/environment/docs/catalogue_projects_2008.pdf</a>			





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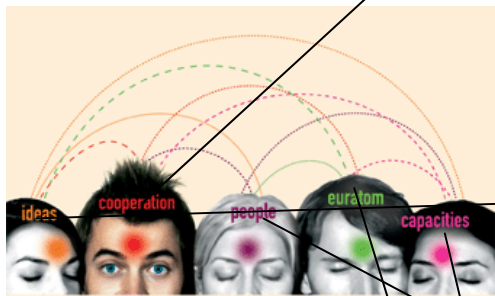
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## FP7 in a nutshell (2006-2013)

**Collaborative research** (budget €32.4 bn): research activities carried out

in trans-national cooperation in 10 thematic areas:

1. *Health* (€6.1bn);
2. *Food, Agriculture and Fisheries, and Biotechnology* (€1.94bn);
3. *Information and Communication Technologies* (€9.05bn);
4. *Nanosciences, Nanotechnologies, Materials and New Production Technologies* (€3.48bn);
5. *Energy*; (€2.35bn);
6. *Environment (including climate change)* (€1.89bn);
7. *Transport (including aeronautics)* (€4.16bn);
8. *Socio-economic Sciences and the Humanities* (€0.62bn);
9. *Security* (€1.4bn);
10. *Space* (€1.43bn)



**Frontier research** (€7.51 bn) : “investigator-driven” research carried out across all fields (bottom-up approach) by individual teams in competition at the European level

**Human potential** (€4.75 bn): Strengthening the human potential in research and technology in Europe – budget

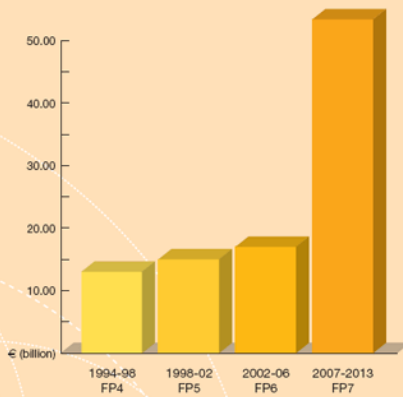
**Research capacity** (€4.10 bn): research infrastructures; regional research driven clusters; unleashing the full research potential in the EU’s “Convergence” regions; research for and by SMEs; “Science in Society” issues; “horizontal” activities of international co-operation

Euratom

Joint Research Centre (S/T support to EU policies): €1.75 bn

Joint Research Centre (nuclear)

Evolution of EU Research Framework Programme Budgets





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**3rd call for proposals: published 3 September 2008, deadline for submission of proposals 8 January 2009**



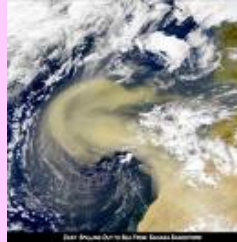
**Climate change  
and water related  
health issues in Europe**



**Transport related  
air pollution and health  
impacts**



**European coordination  
action on human  
biomonitoring**



**Methods to quantify the  
impacts of climate  
and weather on health  
in developing low  
income countries**



**Health effects from  
electromagnetic fields (EMF):  
improved exposure assessment  
to wireless  
communication devices**



**Environment**  
(including Climate change)

For more info, see call page:  
[http://cordis.europa.eu/fp7/environment/home\\_en.html](http://cordis.europa.eu/fp7/environment/home_en.html)







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## Challenges for E&H research

- ✓ **Prioritisation of issues**
- ✓ **How to coordinate with national activities/activities outside the EU**
- ✓ **Keen competition for funding – availability of budget**
- ✓ **Efficient transfer of results to policy makers: ENVIE a good example?**
- ✓ **Balance between fundamental research vz policy-relevant research**





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More info on FP7

***On CORDIS website***



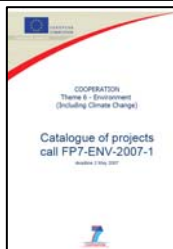
■ <http://cordis.europa.eu/fp7/>

***EU Research for the  
Environment newsletter***

■ [http://ec.europa.eu/research/environment/newsanddoc/newsletter\\_en.htm](http://ec.europa.eu/research/environment/newsanddoc/newsletter_en.htm)

***Climate Change and  
Environmental Risks Unit  
newsletter***

■ Send an e-mail to  
[rtd-climate-change@ec.europa.eu](mailto:rtd-climate-change@ec.europa.eu)



■ [ftp://ftp.cordis.europa.eu/pub/fp7/environment/docs/catalogue\\_projects\\_2008.pdf](ftp://ftp.cordis.europa.eu/pub/fp7/environment/docs/catalogue_projects_2008.pdf)





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# Thank you for your attention

