

#### Le développement durable dans la recherche 13 janvier 2010



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#### Outline

#### • SD Context R&D expectations from a SD perspective

- Responses from R&D policy
  - FP7
  - ERA

# « En guise de conclusion »

- Definitional issue
- Avoiding panaceas





Main milestones since 2001 May/June 2001 - First Sustainable Development Strategy SD Context February 2002 - Towards a global partnership (WSSD) June 2002 - Integrated impact assessment Responses from February 2005 - Sustainable development indicators February 2005 – "Winning the battle against global climate change" R&D policy communication March 2006 - Green paper on energy En guise de June 2006 - Renewed EU SDS conclusion March 2007 - Spring Council "3 x 20" June 2007 - Green Paper on adapting to climate change November 2007- Strategic energy technology Plan June 2008 - Greening transport package July 2008 - Sustainable consumption and production and sustainable industrial policy (SCFP/SIP) Action Plan October 2008 - "Addressing the challenges of deforestation and forest degradation to tackle climate change and biodiversity loss" communication December 2008 - Final adoption of EU climate and energy package January 2009 – "Towards a comprehensive climate change agreement in Copenhagen" communication September 2009 - "Stepping up international climate finance: A European blueprint for the Copenhagen deal" communication

• October 2009 – "Investing in the Development of Low Carbon Technologies (SET-Plan)" communication







SEVENTH FRAMEWORK PROGRAMME



# **EU renewed SDS**

#### **SD Context**

Responses from R&D policy

En guise de conclusion

- Commitment
- Key Objectives
- Policy guiding principles
- Synergies between Lisbon and SDS
- Better policy-making
- 7 Key Objectives
- Cross-cutting policies
- Financing and economic instruments
- Communication and mobilisation
- Implementation, monitoring and follow-up





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# Commitment

#### Commitment

Key Objectives Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key Challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- Definition: Brundlandt + "earth capacity" R&D
- Persistance of unsustainable trends R&D
- Main challenge: change
  - consumption and production patterns
  - Non-integrated approach to policy-making





# **Key Objectives**

#### Commitment Key Objectives

Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key Challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- The three pillars (environment, economic, social), with the need to « break the link between economic growth and environmental degradation » R&D
- Global perspective





# **Policy guiding principles**

#### Commitment Key Objectives Policy guiding principles

Synergies between Lisbon and SDS Better policy-making 7 Key Challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- Fundamental rights
- Intergenerational solidarity
- Open and democratic society
  - Involvment of citizens
  - Involvment of business and social partners
- Policy coherence, governance (geographic )and integration (pillars) R&D
- Use best available knowledge R&D
- Precautionary principle R&D
- Polluters pay





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#### **SD Context**

#### Synergies between the EU SDS and the Lisbon strategy

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS

Better policy-making 7 Key Challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up • Complementarity :

R&D is at the nexus of this complementarity



EUROPEAN COMMISSION

**SD Context** 

# **Better policy-making**

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS **Better policy**making 7 Key Challenges

Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- Better regulation
- Integrated impact assessment R&P

Tools





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# Key challenges

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- 1. Climate change and clean energy
- 2. Sustainable transport
- 3. Sustainable consumption and production
- 4. Conservation and mgt of natural resources
- 5. Public health
- 6. Social inclusion, demography and migration
- 7. Global poverty and SD challenges



Context



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# **Cross-cutting policies**

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key Challenges

#### Cross-cutting policies

Financing and economic instruments Communication and mobilisation Implementation, monitoring and follow-up

- Education and training
- Research and development
  - §18 LT visionary concepts, science-policy interface, smart growth, interplay
  - § 19 FP7+ETAP
  - § 20 Research on indicators
  - § 21 Universities, research institutes, private enterprises





# Financing and economic instruments

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key challenges Cross-cutting policies

#### Financing and economic instruments

Communication and mobilisation Implementation, monitoring and follow-up

- Getting prices right, smart growth, win-win opportunities
- Shift taxation R&D

PPP's

- Harmful subsidies
- Coordination of financing mechanisms (Life+, FP, CIP, Structural Funds)





# Communication and mobilisation

Commitment **Key Objectives** Policy guiding principles Synergies betwee Lisbon and SDS Better policy-making 7 Key challenges Cross-cutting policies Financing and economic instruments **Communication and** mobilisation

> Implementation, monitoring and follow-up

- Concrete and realistic vision
   for the next 50 years R&D
- Communication at all levels (EU, MS, regional, local)
- Inclusive strategy (participatory methods, stakeholders involvement, social partners, csos)





Implementation, monitoring and follow-up

Commitment Key Objectives Policy guiding principles Synergies between Lisbon and SDS Better policy-making 7 Key challenges Cross-cutting policies Financing and economic instruments Communication and mobilisation

Implementation, monitoring and follow-up

#### • Progress reports: 2007, 2009, 2011.

- Review of 2005 set of indicators, and adoption of a limited set of indicators
- National SDS focal points and benchmarking of progress at national level
- Two-yearly review by the December European Council (starting 2007)
- EP, national parliaments, EESC,
- National SDSs completed by June 07
- National advisory councils to be set up
- Comprehensive review in 2011





#### Multi-functionality of R&D contribution to SDS

**SD Context** 

Responses from R&D policy

En guise de conclusion

#### - Policy relevant thematic contributions

- Better understanding of climate change and other environmental & resourceefficient challenges
- Technical and social solutions to a low-carbon and resource-efficient path

#### - Monitoring tools

- impact assessment
- indicators
- New concepts, breakthroughs







**FP7 is tailored for SD** 

SD Context

#### • Annex 1:

Responses from R&D policy

FP7 tailored for sustainability

Expanding in the whole ERA

En guise de conclusion

30.12.2006	EN	Official Journal of the European Union	L 412/7
		ANNEX I	
	SCIENTIFIC AND	TECHNOLOGICAL OBJECTIVES, BROAD LINES OF THE THEMES AND ACTIV	/ITIES
	The Seventh Framework Treaty, to strengthen in contributing to the crea activities at a national an and demonstration throu	c Programme will be carried out to pursue the general objectives described in Article dustrial competitiveness and to meet the research needs of other Community polic ation of a knowledge-based society, building on a European Research Area and com nd regional level. It will promote excellence in scientific and technological research, du ugh the following four programmes: cooperation, ideas, people and capacities.	163 of the ies, thereby plementing evelopment
	I. COOPERATION		
	In this part of the Se forms across the Un technology, where t economic, environm trial competitiveness	eventh Framework Programme, support will be provided to transnational cooperation ion and beyond, in a number of thematic areas corresponding to major fields of kno the highest quality research must be supported and strengthened to address Europ ental and industrial challenges. The bulk of this effort will be directed towards impro 5, with a research agenda that reflects the needs of users throughout Europe.	in different wledge and bean social, ving indus-
	> The overarching aim	is to contribute to sustainable development.	
	The ten themes deter	rmined for Community action are the following:	





#### **Cross-reading of SDS and FP7**

Climate change & clean energy Social inclusion, demography Sustainable consumption and production Conservation and mgt of natural resources Sustainable transport Public health

	Cross-reading of SDS and FP7	Climate change o	Sustainable tro	Sustainable consi	Conservation and	Social inclusion, o	Public health	Global poverty & SD challone
SD Context	Themes (FP) vs Key challenges (SDS)	1	2	3	4	5	6	7
	1.Health					x	x	x
Responses from R&D policy	2.Food, agriculture and fisheries, and biotechnology	x		X	X	X		
FP7 tailored for	3.Information and communication technologies			X				
Sustainability	4.Nanosciences, nanotechnologies, materials and new production technologies			X	X			
whole ERA	5.Energy	x		x				
	6.Environment (incl. Climate change)	x		X	X	X		
En auise de	7.Transport (incl. Aeronautics)		x	x				
conclusion	8.Socio-economic sciences and the humanities	x	x	x		x	X	X
	9.Space				x	x		x
	10.Security						x	X



### 1. Impact assessment tools

SD Context

#### Responses from R&D policy

#### FP7 tailored for sustainability

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#### FP7 potential

- "The 10 themes also include research needed to underpin the formulation, implementation and assessment..."
- Themes 1, 2, 6, 8, 10

#### Past and running projects

- FP6: SENSOR, MATISSE, IQ TOOLS
- FP7: TESS, PRIMA, SUST-RUS
- Towards the establishment of a network of excellence. Challenge: Tools, not toys!





### 2. Indicators

SD Context

- Themes 6, 8
- **Responses from R&D** policy

#### FP7 tailored for sustainability

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> En guise de conclusion

- Past and running projects
  - FP6: INDI-LINK, DECOIN, EXIOPOL
    - FP7: GEO-FAIRTRADE, OPEN:EU, IN-STREAM, PASSO, SMILE
- Luxembourg Conference, 30/09/09, "Research on sustainable development indicators: taking stock of results and identification of research needs" and publication:





http://ec.europa.eu/research/sd/pdf/sdi review.pdf#view=fit&pagemode=none



## **Need for new concepts**

SD Context

• "Ideas"

Responses from R&D policy

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 Future and emerging technologies, novel ideas and radical new use in "Cooperation".





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Policy-relevant thematic contributions

#### Accross the themes of the FP7 Cooperation SP

SD Context

Responses from R&D policy

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# • "Joint Technology Initiatives"

- "CLEAN SKY" € 800 m EU contribution (50% of total budget)
- "Hydrogen and Fuel Cells Initiative"

€ 470 m EU contribution (50% of total budget)





En guise de conclusion

Policy-relevant thematic contributions

#### WP review: first results SD-related SD-related SD-related SD Context topics projects budget **Responses from** 2007 59% 49% 49% **R&D** policy FP7 tailored for 2008 53% 36% 38% sustainability 69%\*\*\* 55% \*\*\* 2009 68% \* Expanding in the whole ERA

66%

2010

\* excluding Transport (no call in 2009)

\* ICT & NMP: based on estimations only





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# **WP Review: first results**



NMP: estimations, final figures not yet available





WP Review: first results

#### Share SD-related budget WPs 2007-2009 100% 90% 80% 70% Percentage 2007 60% 2008 50% 40% 2009 30% 20% 10% 0% Space Security Health Food Energy Environm SSH СT NMP **Fransport** Total Themes

ICT & NMP: estimations, final figures not yet available



SD Context

Responses from R&D policy

#### FP7 tailored for sustainability

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**EU-funded R&D to address** the CC&CE challenge

SD Context







- (a) **Coherence mapping:** Comparing FP/SP/WPs
- (b) **Potential SDS goal attainment:** Cross-referencing WPs and EU-SDS
- (c) **Outcome assessment:** Monitoring the most relevant projects





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#### FP7 tailored for sustainabiltiy Full monitoring system

#### (b) Cross-referencing WPs and EU-SDS

2. FOOD, AGRICULTURE AND FISHERIES AND BIOTECHNOLOGIES		EU SDS $\rightarrow$						Funding										
↓ FP7 – Work Programme 2007		relevance for climate change and clean energy					scheme				Innovation stage							
	in general	reduce GHG emissior	sust. energy is policy	adaption to and mitigation of CC	raise share of renewable energies	raise share of biofuels	reduce f energy consumption	Small/ med. CP	Large CP	CSA	NoE	ERA- NET	basic research	applied research	patent (processes & tools) develop#	demo. project	market diffusion measures	crosscutting support of policy decisions
Activity 2.1 Sustainable Production and management of biological resour				_				<u> </u>										
Area 212 Increased sustainability of all production systems (agriculture, forestry, fis		+				1	1	┞───	¢									
Topic KBBE-2007-1-2-01: Annual Food crops with improved tolerance to multiple abiotic stresses						••••••		XXX	<b>.</b>		•		XXX					
Topic KBBE-2007-1-2-04: Reducing the need for external inputs in high-value protected horticultur	•		1			1	•	XXX			•••••			XXX				
Topic KBBE-2007-1-2-05: Novel forest tree breeding	•••		1						XXX					XXX				
Topic KBBE-2007-1-2-06: Developing new methods for valuing and marketing of currently non-ma	•			•				XXX							XXX			
Topic KBBE-2007-1-2-08: Reduction of N excretion in ruminants	•								XXX				XXX					
Topic KBBE-2007-1-2-10: Improving cost-efficiency in the fisheries		•						XXX						XXX				
Topic KBB-2007-12-15: Heducing the utilisation of mineral tertilisers by improving the efficiency of	-						-						XXX		XXX			
Area 2.14 Socio-economic research and support to policies	•					÷	•				•••••							
Topic KBBE-2007-14-08. The ram or formow	•					•		000						000 000				
Topo 22 Fast to Farm				:	:			000						000				000
Activity 2.2 FOIK to Failin						:	:		-									
Area 2.2.3 Environmental impacts and total rood chain	•	•			•••••••••••••••••••••••••••••••••••		•	+										
1 construction and biochemistry for sustainable			:		1	:		-	: 000					000				
Activity 2.5 Life Sciences, biotechnology and biochemistry for sustainable																		
Area 2.3.1 Improved biomass and plant based renewables									-									
Topic KBBE-2007-3-101 PLANT CELL WALLS - Understanding Plant Cell Walls for optimising Bi- Topic KBBE-2007-3-102 PLANT CELL WALLS - Novel about for optimising Bi-									***						***			
Topic KBE-2007-3-02 Enternant Converging of the future											•••••				000 VVV			
Topic KBBE-2007-3-104 FOREST PRODUCTS - New forest based products and processes						-	-				•							
Topic KBBE-2007-3-1-06: BIOPOLYMERS - Biological Polymers from plants	•	•				••••••	•		XXX		•			XXX				
Topic KBBE-2007-3-1-07: FUTURE CROPS - Technical, socio-economic, environmental and regu	•				•	•				XXX				XXX		•		
Topic KBBE-2007-3-1-08: BIOMASS SUPPLY AND IMPACT – Identification of optimal terrestria	•••		ĺ		•••				1	XXX				XXX				
Topic KBBE-2007-3-1-09: GREEN FACTORY – The expression and accumulation of valuable indu	•	•				<u> </u>	•		XXX				XXX			[		
Area 2.3.2 Bioprocesses																		
Topic KBBE-2007-3-2-01: LIGNOCELLULOSIC ENZYMES - Development of cellulases for lignoc	•	•						XXX							XXX			
Topic KBBE-2007-3-2-06: BIOETHANOL AND BEYOND - Novel enzymes and microorganisms f									XXX						XXX			
Topic KBBE-2007-3-2-07: NOVEL ENZYMES – The search for novel enzymes and microorganism									888						XXX			
I ODIC: KBBE-2007-3-2-09: BIUREFINERY - Biotechnology for the conversion of biomass and wa	-								888						XXX			
Area 2.3.3; Environmental biotechnologies; Use of waste and by-products						-			ł									
Topic : KBE-2007-3-3-03: ANIWAL BT-FHOLDUL IS - Novel methods of freatment of animal by- Topic : KBE-2007-3-3-04. USEFUL MASTEL Novel biotechnology approaches for will singurated								888							XXX 000			
TOPIC: : KDDE-2007-3-3-04: ODEFICE WAS TE - NOVELDIGEONIOLOgy approaches for Utilising Wastes					1			1	388				1		XXX			
								1										

Additional screening information allows quantitative analyses



FP7 tailored for sustainabiltiy Full monitoring system

# **Roadmap & milestones**

First NP screened platorn set up and Info & analysis End of project available online Project kick off Ongoing: Screening & cross-referencing, review & validation Implementation **Preparation phase** Phase Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. Feb. March 2009 2010 2015





i wo additional modalities	Two	additional	moda	lities
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Responses from R&D policy

FP7 tailored for sustainability

Expanding in the whole ERA

En guise de conclusion

• Brokerage

• **CSO** 





# Former implicit mental frame

#### Science for knowledge

- Enlightment
- Academic freedom
- Basic research

### **Scientists**

#### **Science for** *technology*

- Industrial revolution
- Growth/competitiveness
- Applied research

# Industry





#### Science for knowledge - Science for technology

**BUT...** 

Climate change? Sustainability? Environment? Energy? Food safety?

Societal concerns may not flow automatically from these two rationales





#### Knowledge + Technology = Societal Relevance

#### Not necessarily

#### **Role of third sector !**

Patient groups, NGO, consumers associations, environmentalists





# **Role of third sector**

## **Scientists**

# Industry





# **Role of third sector**

**Scientists** 

**Third sector** 

### Industry





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#### FP7 tailored for sustainability Civil Society (CSO) involvement Policy making

# Scientists

knowledge development new frontiers

#### Third sector

societal relevance of research (sustainability, safety,...)

#### Industry

growth and competitiveness market needs

> SEVENTH FRAMEWORK PROGRAMME



# **Opening R&D to the civil society**

- Ideally pervasive, but...
- New funding scheme (Research for the benefit of specific groups – CSOs)







...of projects involving civil society and research organisations currently managed by our unit

- Since 2008, 11 projects have been approved
- Totalising an amount of 10 376 818 Millions €
- Ongoing, with various timescale from 24 to 48 months





FP7 tailored for sustainability Knowledge brokerage

## **Need for brokerage**

SD Context

Responses from R&D policy

FP7 tailored for sustainability

Expanding in the whole ERA

En guise de conclusion

- EU SDS: key objectives to bridge the gap between science, policy-making and implementation
- June 2007 meeting with MS: the « gap diagnosis »
- Bridging the gap: let's go for it!









FP7 tailored for sustainability Knowledge brokerage



...of projects on brokerage are currently managed by our unit

- Since 2008, more than 50 proposals were received
- 6 projects have been approved
- Totalising an amount of 4.2 Millions €





#### From FP7 to the whole of EU Research

SD Context

- 2020 ERA Vision
- Responses from R&D policy
  - FP7 tailored for sustainability

# Expanding in the whole ERA

En guise de conclusion

- Joint programming
- SET-Plan
- RD4SD Exercise Report







Responses from R&D Policy

#### Follow-up on Gearing European Research towards Sustainability



#### **Three Questions**

- To what extent does SD call for changes in the way research is implemented?
  - To what extent does SD call for changes in the way research policies are elaborated?
- How can the contribution of research to SD be measured



http://ec.europa.eu/research/sd/index\_en.cfm?pg=rd4sd



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#### **Gearing European research towards sustainability -Ideas on their way**

SD Context

Responses from R&D policy

> FP7 tailored for sustainability

# Expanding in the whole ERA

En guise de conclusion

- Dialogue with research organisations/universities (footprint, SD position, SD chair, ...)
- Creation of a Sustainability Prize
- Promotion of sustainability science
- Critical review of existing fora
- Forward-looking activities
- Inventory of Science/policy links
- Brokerage processes
- Measure the contribution of research to SD: inventory of existing surveys, production of proxy indicators





#### May 2009 Conference **Fully documented website**

European Commission	
RESEARCH - Sustainable	development
uropean Commission >Research >Sustainable development	> Conference 2009
Home Programme Winning papers Exhil	
This conference was organised in cooperation with the Czech Presidency of the EU to celebrate the multiple ways through which European recearch	<b>SUS LAINABLE</b> <b>development</b> a challenge for European research 26-28 May 2009, Brussels Charlemagne building
contributes to global sustainable	The conference in detail
development: improved understanding of the environment, technological solutions, changing mindsets and behaviours, bearing in mind that it is also at the roots	Programme - sessions and presentations Consult the programme overview and get access to all information related to the many parallel sessions, including presentations, papers, session reports, audio recordings and speakers' biographies.
of unsustainable trends. more >	Scientific Committee Manifesto Read the complete version of the manifesto elaborated by the Scientific Committee of the conference "Research for sustainability and the

the d the European Union: from wish to will - a manifesto."

rch.

#### Winning papers

The Scientific Committee has revealed the names of the winning authors who have each won a 1000 EUR cash prize awarded by the European Climate Forum



#### http://ec.europa.eu/research/sd/conference/2009/index\_en.cfm



# Multiple approach

SD Context

# Brundlandt/Earth capacity

Responses from R&D policy

> En guise de conclusion

Definitional issue

> Avoiding panaceas

# Three pillars

Low-carbon, win-win
 & cohesive society





### Needs

SD Context

#### Responses from R&D policy

#### En guise de conclusion

#### Definitional issue

Avoiding panaceas

#### **Brundlandt/Earth capacity**

- the needs of the present generation should be met without compromising the ability of future generations to meet their own needs
- about safeguarding the earth's capacity to support life in all its diversity
- based on the principles of democracy, gender equality, solidarity, the rule of law and respect for fundamental rights
- Continuous improvement of the quality of life and well-being on Earth for present and future generations
- promotes a dynamic economy





# **Three pillars**

SD Context

Lack of integration or ....

Responses from R&D policy

En guise de conclusion

Definitional issue







# **Three pillars**

SD Context

Shift of the integration mode from welfare state to market-based approach to...

Responses from R&D policy

> En guise de conclusion

Definitional issue

> Avoiding panaceas



Integration mode 3: still unexperienced





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## Low-carbon, win-win & cohesive society

SD Context

Responses from R&D policy

> En guise de conclusion

Definitional issue







# **1. Holism/lack of integration**

SD Context

Responses from R&D policy

#### En guise de conclusion

Definitional issue

- Not « to integrate or not to integrate » ! But: « what are the driving forces of the integration? »
- Holistic knowledge claims and power?
- Mitigating « physics » sense of truth with biological sense of truth





# 2. Short term/long term

SD Context

Responses from R&D policy

# En guise de conclusion

Definitional issue

- Quantum time, geological time, historical time, political time...: the bigger, the most relevant?
- Futurism and moralism ?
- Prediction vs bringing meaning back in present time





# **3. Catastrophism**

SD Context

Responses from R&D policy

#### En guise de conclusion

Definitional issue

- What if Martin Luther King had said: ...
- Collective stuntman?
- Transpose limits from space to time ?





# **Dealing with limits**

SD Context

Responses from R&D policy

#### En guise de conclusion

Definitional issue

- Rethink our compulsion to transcend limits
- Not seeing limits everywhere





# Knowledge and confidence

SD Context

Responses from R&D policy

# En guise de conclusion

Definitional issue

Avoiding panaceas Knowledge society? Yes, but with (i) love and confidence: ...making room for contingency (this **not** meaning praising obscurantism...)

« Why is it so difficult to love the world?» Hannah Arendt





# Knowledge and thought

SD Context

Responses from R&D policy

# En guise de conclusion

Definitional issue

Avoiding panaceas

# Knowledge society? Yes, but with (ii) thought:

...recognising that knowledge does not substitute for thinking, and that thinking is and will remain indispensible whatever amount of knowledge we hold, either individually or collectively.

Think, we must » Virginia Woolf





# SD Portal http://ec.europa.eu/research/sd/

	A to Z   Sitemap	Search   About this site   Contact   Legal no	tice English (en)
RE	opean Commission SEARCH - Sustainable	development	
European Commiss	ion > Research > Sustainable develo	opment	
	Home		
Home	Sustainable development is a core obi	active of the European Union: we need to	EVENIS
FP7 tailored for sustainability	ensure that our present socio-economi	ic development does not compromise our	H From Economic
E European policy	future. Current EU policies are based	on the <u>renewed Sustainable Development</u>	Sustainability
context	<u>Strategy (EU SDS)</u> [ 🖂 191 Kb] of June ( <i>R&amp;D</i> ) plays an important and multifacet	ed role.	13-14 April 2010, Valencia – Spain
	The Seventh Framework Programme	'The Seventh Framework	-+ Expo 2010
BSS nows feed -	European research to live up to the	Programme renects our joined up approach to sustainability'	Better City, Better
RSS news feed sustainable development All RSS news feeds	R&D needs expressed in the EU renewed sustainable development strategy.	Janez Potocnik, Commissioner responsible for Science and Research.	Life 1 May - 31 October 2010, Shanghai,
	This web portal is the entry point to cons sustainable development. When browsing the multiple means through which <u>FP</u> ; Furthermore, you can explore links to <u>nat</u> <u>development</u> research, learn about the <u>Research Area</u> , and find out about relevan	++ 2010 World Universities Congress: What should be the new aims and responsibilities of	
	Sustainable development: a cl	the framework of	
	The Conference "Sustainable developm organised by the Research DG took plac- level meeting, which attracted a large highlighting ways and means for putting of sustainable development. We invite yw with participants' presentations and report the conference participants and all act development in the research field. <u>Read more</u>	nent a challenge for European research" e on 26-28 May 2009, in Brussels. This high- and multidisciplinary audience, aimed at the European research system at the service ou to visit the Conference website updated ts - a useful communication tool available for ors interested in progress on sustainable	global issues? 20-24 October 2010, Çanakkale, Turkey ➡ More ➡ Call for additional events
	EU Commissioner for Science and Rese challenges raised in the Manifesto pre opening of the conference. <u>Read more in I</u>	arch Janez Potočnik shares his views on the sented by the Scientific Committee at the <u>his blog</u>	
	Sustainability science		
	A workshop bringing together sustaina organised in Brussels in October 2009 sustainability science. Discover the outco on this website. <u>Read more</u>	ability scientists from across Europe was , to discuss the need and the potential of me of this meeting and post your comments	
	To share your impressions and suggestion	ns, please use the comments page	





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# Thank you

for

# your attention!

