

TASK 26 Multiple Benefits of Energy Efficiency

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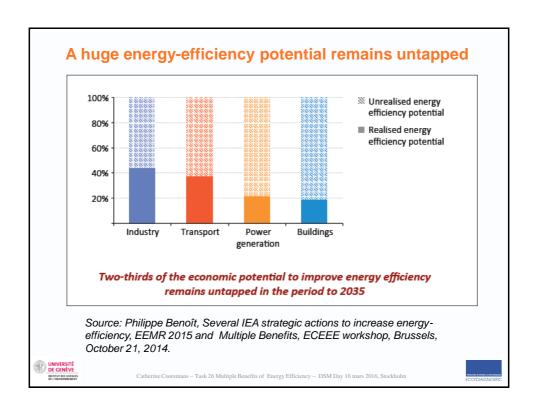


CONTEXT I. Energy-efficiency gap

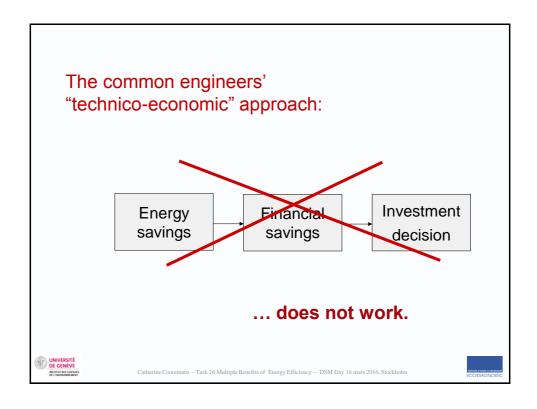


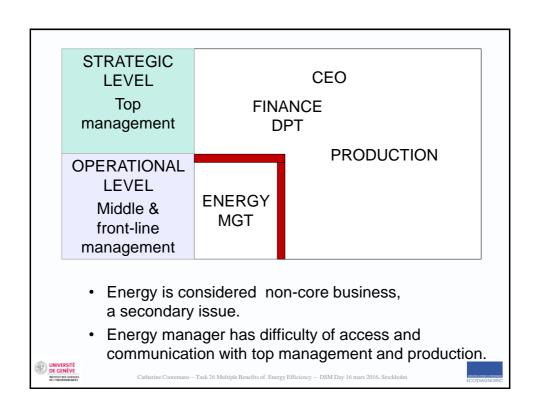
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CONTEXT II. The commodity view: KWh savings Catherine Cooremans – Task 26 Multiple Benefits of Energy Efficiency – DSM Day 16 mars 2016, Stockholm





Multiple Benefits The strategic approach



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Definition:

all the benefits entailed by an energy performance action which are not energy benefits (i.e. energy savings translated into monetary savings) in and of themselves.

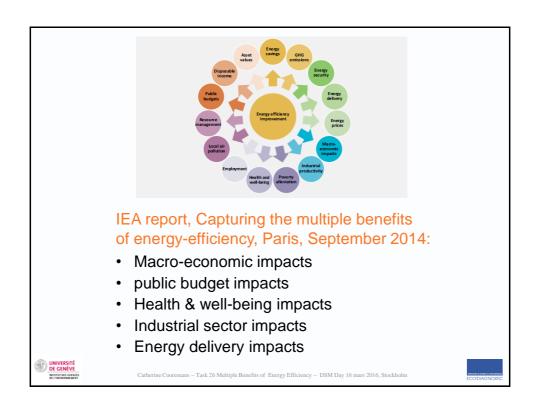
Terminology:

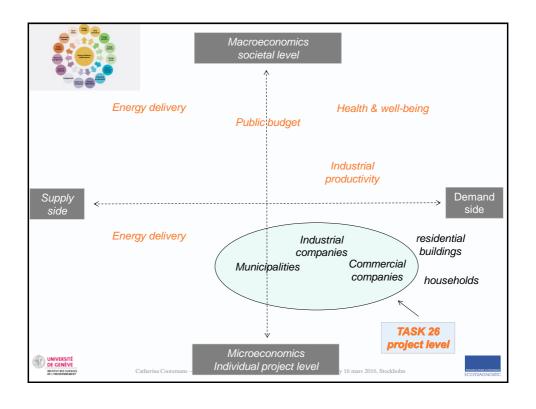
non-energy benefits, ancillary benefits, multiple benefits

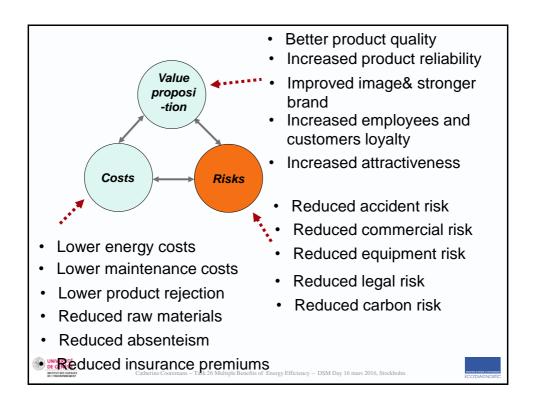


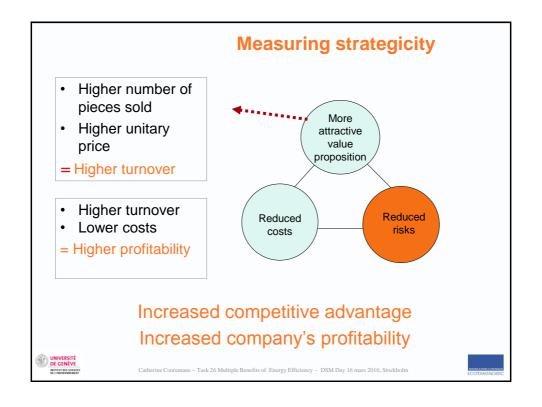
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SANTA CLARA UNIVERSITY			Proj.	Proj.	Proj.	Proj.	Proj
Lighting project		Year 0	Year 1		Year 3 usand of U		Year 5
Net income			8'439	8'439	8'439	8'235	8'23
Capital expenditure Terminal value before taxes		2'550	0	0	0	0	
Terminal value before taxes Terminal value after taxes			0	0	0	0	-
Terrifical value after taxes			U	U	U	U	
Free Cash-Flows		-2'550	8'439	8'439	8'439	8'235	8'23
NPV (NET PRESENT VALUE)							
15%	11'169						
9%	29'996						
5%	33'657						
IRR (INTERNAL RATE OF RETURN)	311%						
PAY-BACK TIME	0.30						
7.1. 2.1.01. 11.11.2	0.00						

Non-energy / multiple benefits

have to be:

- analyzed ex ante (i.e. before projects start)
- better documented and quantified
- communicated in a convincing way to stakeholders

TASK 26!



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