

**Table 2: Collected recommendations on regulation and standardisation**

REGULATION AND STANDARDISATION									
TITLE OF THE ACTION	TIMELINE			NEEDED RESOURCES (€)					
	short	medium	long	< 50K <sup>1</sup>	50K - 250K	250K - 500K	500K - 1M	1 - 5M	> 5M
Existing certification schemes ( <a href="#">BREEAM</a> , <a href="#">LEED</a> ) should award extra credits for innovative materials	x								
Development of fast, economic certification solutions for systems with limited validity time	x								
Upgrade of EN ISO 13790:2008 (and related national implementations <sup>2</sup> ) to dynamic assessment	x							x	
Standardization and regulation for retrofitting in buildings with focus on structural panels for facades , NZEB existing buildings, historical buildings (XIX century)	x				x				
Improve the contacts with EsCo <sup>3</sup> . Subsidies based on performance achieved and guaranty	x							x	
Anti-seismic regulations to be mandatorily introduced and related actions to promote their sustainability	x								x
Multifunctional building materials: photocatalytic/self-cleaning unified normative	x								x
Certification for local wood house	x			x					
Implementation of building management system as a standard according to the EN 15232 class A	x				x				
"Singapore" type of regulation on obligatory prefabrication		x							
Energy Management system: compliance to ISO 50001 international standard should be central in any project of Energy Efficiency		x					x		
Develop EU based IAQ standards for emission labeling of materials		x						x	
Integration at national level of the EU regulation and standardization regarding IAQ, IEQ and environmental aspects		x				x			

<sup>1</sup> Here 50K stands for 50.000,00 Euros and similarly for the other figures.

<sup>2</sup> In Italy there is the UNI/TS 11300-1:2014.

<sup>3</sup> EsCo: Energy Service Company, is a commercial or non-profit business providing a broad range of energy solutions including designs and implementation of energy savings projects, retrofitting, energy conservation, energy. infrastructure outsourcing, power generation and energy supply, and risk management.

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Mainstreaming of alternative low energy /carbon building envelope materials		<b>x</b>					<b>x</b>		
Overcoming the national barriers to certification/warranty			<b>x</b>						