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WORKSHOP

Research and Innovation activities in nanotechnology concerning Energy Efficient Buildings

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Project title:	Sus-Con	
Presentation title:	Towards greener and energy efficient buildings: The SUS-CON project	
<p>The orientation of EU towards a “greener” Europe sets new rules for energy management and consumption for all the involved sectors. For the building materials, achieving this target requires finding solutions that can, at least, meet with the demanding current construction regulations providing at the same time improved thermal performance-thus reduced operating energy demands-, and low embodied energy.</p> <p>Operating under this framework, the SUS-CON project successfully concluded its operations in the area of new, energy-efficient material development. The SUS-CON project was a 4-year EU-financed project having as main goal the production of novel green, lightweight, cost-effective and energy efficient building materials based on 100% wastes, suitable for ready-mixed and pre-cast applications. In this presentation, the results of the SUS-CON project will be presented to the public in an effort to raise the public awareness on the new advancements in the construction sector, providing the opportunity to catch a first glimpse on the new generation of construction materials.</p>		
CV:		
<p>Konstantina Papakonstantinou graduated as a Chemical Engineer from the National Technical University of Athens, in 2009.</p> <p>In 2012 she gained her M.Sc. degree in the field of Economics and Business Management.</p> <p>Currently she is a PhD candidate in the field of insulating and construction materials. The goal is to develop new products mainly with advanced thermal insulation properties, overcoming the drawbacks of the materials already in the market regarding performance and durability in time.</p> <p>Meanwhile, since 2010, she is working as a research associate at the School of Mining and Metallurgical Engineering of “National Technical University of Athens” (NTUA) as a member of the “Raw Materials Exploitation & Sustainable Energy Solutions” (Laboratory of Metallurgy) led by Professor I. Paspaliaris. She has been involved in various European research projects following all their stages from proposal submission to technology and product development in laboratory and pilot level, as well as management and/or coordination.</p>		