


Event:
Date:
Place:

ENERGY in BUILDINGS 2019
Saturday September 28, 2019
Athens, Hellas



#	Eleftherios BOURDAKIS, PhD	
Title:	Policy Officer at European Commission, Brussels, Belgium	
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Presentation title:	Horizon Europe and a New Way to Build	
<p>The European Commission and the Directorate General for Research and Innovation (DG RTD) are currently preparing the structure and the programme for Horizon Europe, the research fund for the next Multiannual Financial Framework (MFF) 2021 – 2027. One of the new elements in Horizon Europe is the introduction of “missions”. Missions will be high-ambition, high profile initiatives, to find solutions to some of the major challenges faced by European citizens, one of which is to develop “Climate-neutral and smart cities”. Missions shall have a clear EU-added value, contribute to reaching Union priorities, have wide societal or economic relevance and spark activity across disciplines, sectors and actors.</p> <p>The construction sector has one of the lowest rates of investment on R&D, approximately 1% of the revenues. Nevertheless, innovation in several sectors can be applicable in the construction sector even today. Building Information Modelling (BIM), Internet of Things (IoT), 3D printing, big data, drones and robotics can all have a significant impact in the construction and performance of buildings. Although the benefits of the use of BIM are well known in the construction sector stakeholders, less than 6% of construction companies are making full use of digital planning tools. Drones can be used to reduce site risk and accidents, e.g. by inspecting and monitoring locations that are challenging to be reached physically. Similarly, robotics can be used to assist lifting heavy objects. Robotics combined with 3D printing can automate and speed up processes that are repetitive.</p> <p>Dr Bourdakis will present the structure of Horizon Europe and especially the parts related to buildings, as well as the vision of DG RTD for the construction site of the future.</p>		

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CV:

Dr. Eleftherios Bourdakis is a Policy Officer in the Directorate for Research and Innovation of the European Commission, monitoring projects related to energy efficient buildings.

As a Policy Officer he is responsible for the evaluation of proposals and monitoring of ongoing project in the fields of thermal storage, plus energy buildings, building materials and renovation of existing buildings. Dr Bourdakis is contributing to the strategic planning of Horizon Europe, the EU research funding programme for the period 2021 – 2027 and is also monitoring the Inter-Service Consultations (ISCs) on Smart Readiness Indicator (SRI) and Building Renovation Passport (BRP).

He holds an undergraduate degree in Physics from the National and Kapodistrian University of Athens (UoA) and a MSc and PhD in Sustainable Energy in Buildings from the Technical University of Denmark (DTU). Dr Bourdakis has 16 peer-reviewed publications in international scientific journals and conferences, while he is an active reviewer for scientific journal and conferences himself. For his work as a PhD Researcher he has been the recipient of three scholarship awards.

Prior to joining the EU Institutions he has been working as an Energy Consultant and Project Manager in topics related to the EU Energy Union, the Clean Energy for All Europeans Package, digitalisation in the construction sector, energy poverty, buildings renovation and others.