


Event:  
Date:  
Place:

## Energy in Buildings Athens Conference 2024

Saturday November 23, 2023  
Grand Hyatt Athens, Hellas



#	<b>Theodoros Katopodis</b> Mechanical Engineer, MSc, Ph.D	
Title:	Senior Manager, EY	
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Presentation title:	<b>How to Address Requirements for Physical Climate Risks to Enhance Buildings Resilience</b>	
<p>In this topic, it will be discussed, how to address requirements for physical climate risks to enhance buildings resilience.</p> <p>Climate change already has impacts on the building sector, putting the operation, reliability, and growth of the sector at risk. Impacts of climate change are anticipated to become stronger in the future, leading to higher costs and more accidents. Evolution in EU standards and regulations require increased maturity on climate related issues. Building resilience in resources to withstand climate-related hazards and to recover fast, at low human and material cost is required. In that event, there is a need for detailed and granular climate risk assessment methodologies, and of detailed plan of action, with specific adaptation measures to bring negative or adverse impacts of climate change at an acceptable level, reducing risks and building resilience.</p>		
Short CV:	<p>Theodoros Katopodis is a Senior Manager in EY's Business Consulting department. He has a subject-matter knowledge and 9 years of experience in climate change risk, vulnerability and resilience assessments, in business &amp; scientific community.</p> <p>He holds a Diploma in Mechanical Engineering from the University of Patras, an MSc in Energy Systems and Renewable Energy Technologies from West Attica and Heriot-Watt Universities, and a PhD in Mechanical Engineering from the University of Patras, in business continuity, resilience and adaptation of oil refineries to climate change, funded by the Industrial Research Fellowship Program at NCSR "Demokritos" under the Stavros Niarchos Foundation and HELPE Grant.</p>	

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Theodoros Katopodis is a Senior Manager in EY's Business Consulting department. He holds a Diploma in Mechanical Engineering from the University of Patras, an MSc in Energy Systems and Renewable Energy Technologies from West Attica and Heriot-Watt Universities, and a PhD in Mechanical Engineering from the University of Patras, in business continuity, resilience and adaptation of oil refineries to climate change, funded by the Industrial Research Fellowship Program at NCSR "Demokritos" under the Stavros Niarchos Foundation and HELPE Grant.

During his career he has been involved as engagement manager in advisory services for decarbonization strategy, climate risk & vulnerability assessments, resilience and adaptation plans, materiality assessment for Financial Institutions, carbon credits and climate proofing sustainability /climate adaption studies in alignment with RRF technical guidance and EU Taxonomy.

He has more than 9 years of experience in the field of climate change and resilience of CIs. He has participated in the "EU-Circle project", in the assessment of climate risks impacts, to strengthen the resilience of CIs to climate change, in collaboration with National Center for Scientific Research "Demokritos".

Theodoros was part of the European Center for Nuclear Research, CERN, in Switzerland, and he has been involved in several scientific projects, such as the development of a prototype accelerating structure unit and of a novel CO2 two-phase system for the CMS detector cooling system upgrade.

He has authored more than 15 scientific journal articles, conferences articles and research reports.