

Abstract Title: Sustainable project governance

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Abstract:

This presentation aims to address the crucial role of risk management in mitigating global warming and achieving net zero emission targets. The presentation will focus on a proposed framework that draws upon leading research and practices in sustainability, neuroscience, and decision-making under risk.

As the world shifts towards a more sustainable future, it has become increasingly important for organizations to incorporate sustainable practices into their projects. Sustainable project governance requires effective risk management policies, strategies and frameworks to ensure the success of such initiatives.

The proposed framework provides a comprehensive approach to risk management in sustainable project governance, taking into account the interconnected nature of social, economic, and environmental factors. Drawing upon the latest research in sustainability, the framework incorporates a systems thinking approach to risk management, emphasizing the importance of a holistic understanding of the project's impact.

The framework incorporates insights from neuroscience and decision-making under risk to enhance risk perception and analysis. By understanding the cognitive biases that can influence decision-making, the framework provides a more accurate and effective approach to risk management.

The presentation aims to provide engineers with a practical framework for incorporating sustainability into their projects while effectively managing risks. Through a combination of leading research and practical examples, the presentation will demonstrate the value of sustainable project governance in achieving global warming and net zero emission targets.