Management Topic 4

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Enhancing Future Preparedness in the AECSector

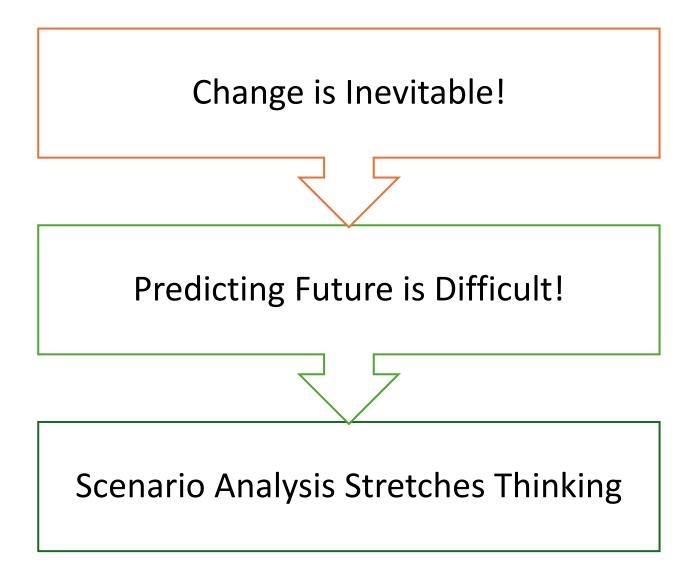
Exploring Scenarios and Proactive Measures

Chirag Gujarati, PhD Candidate

Supervisors: Prof. George Shinkle & Dr. Nicole Gardner



The Power of Change

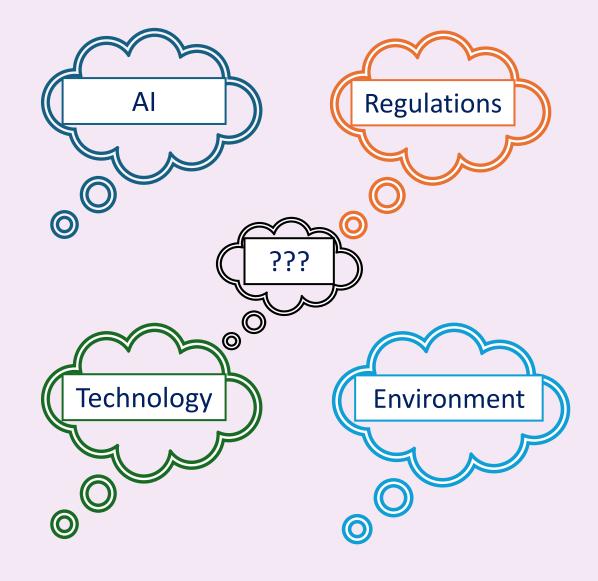




Uncertainties in the AEC Sector

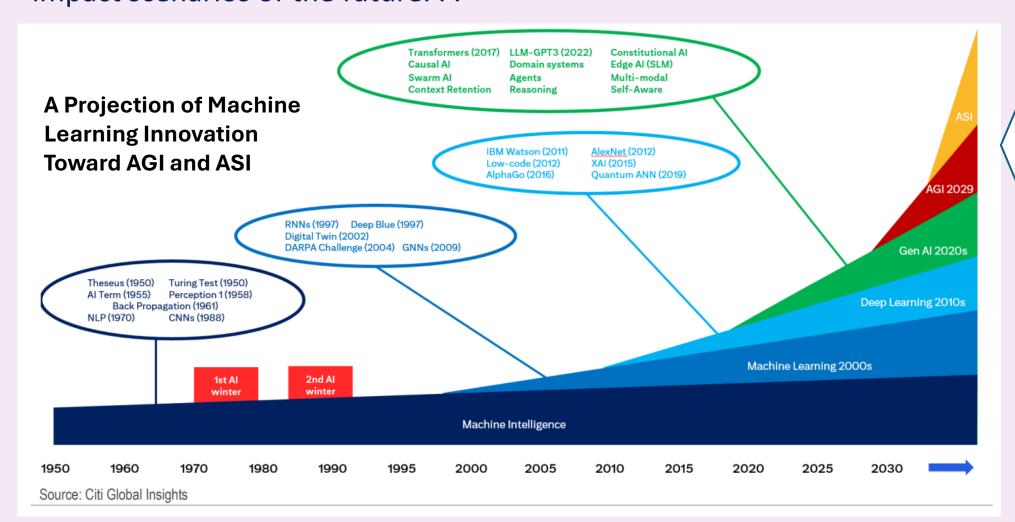
Several uncertainties shaping the future.

Strategic choice: Status Quo, React, Respond





For example, uncertainty on the pace and impact of machine learning and AI will likely impact scenarios of the future. . .



Uncertain impact on required AEC work and how work is done

Source: CITI Global Insights Report - May 2024: WHAT MACHINES CAN'T MASTER: Human skills to hrive in the age of AI



Research Questions



What are the potential scenarios for the future of the AEC Sector?



What proactive measures should firms take to prepare for them?



Research Considerations

1

Forces impacting the Architecture, Engineering, and Construction sector.

2

What capabilities lead to stronger future thinking and foresight?

3

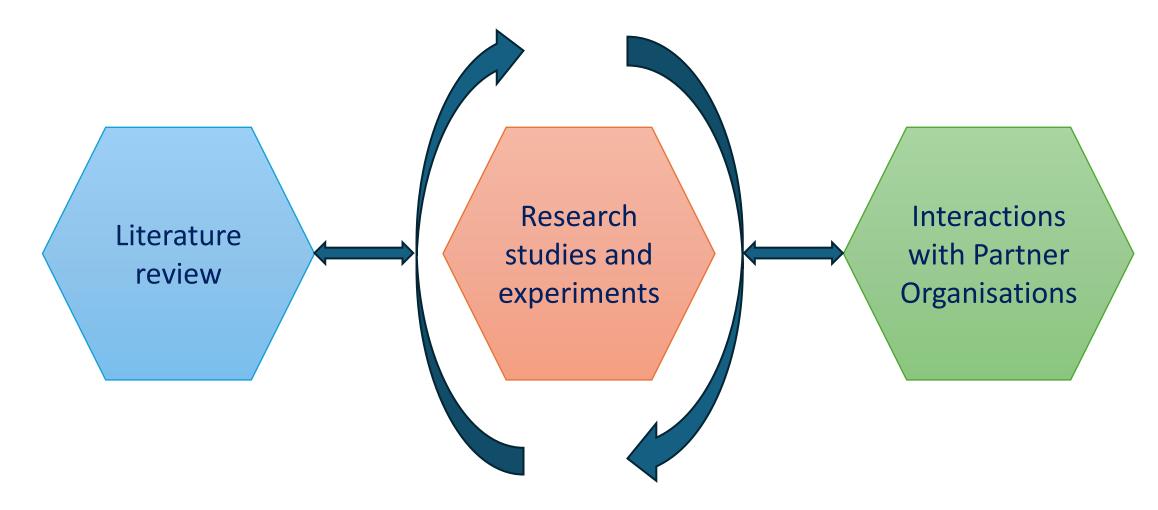
How to leverage scenario analysis practiced in design for scenario analysis in business?

4

Understanding Al's potential role in effective scenario analysis.

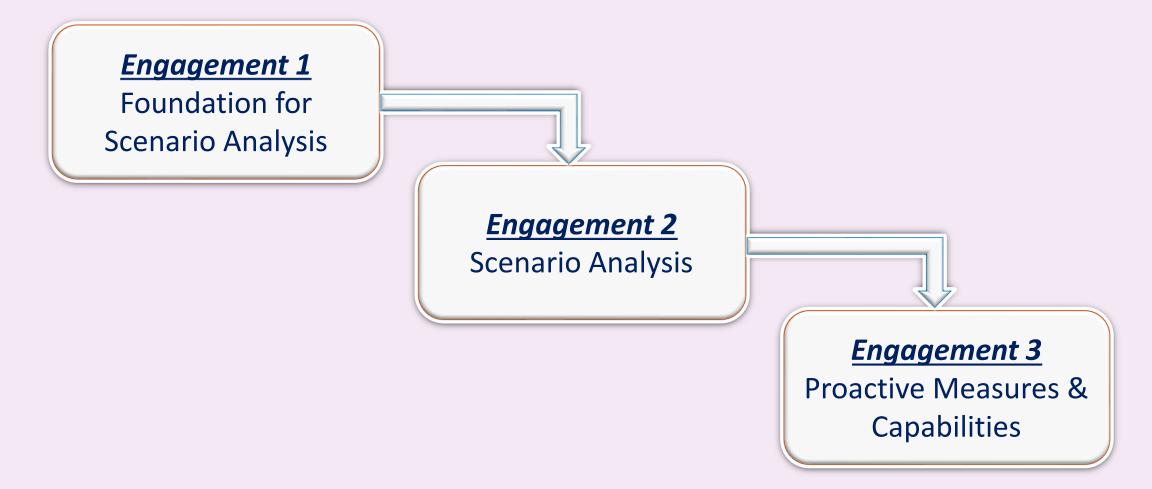


Research Progress





Research Initiatives & Engagements





Intervention 1 – Foundation for Scenario Analysis



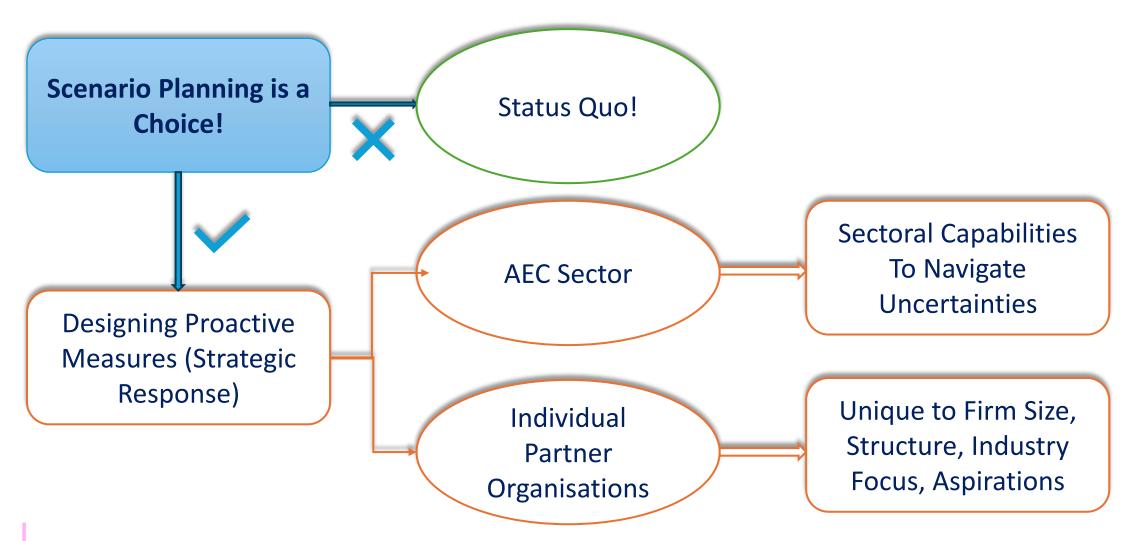


Intervention 2 – Scenario Analysis





Intervention 3 – Proactive Measures





Anticipated Research Outcomes

Future Plausible Scenarios Portfolio

A curated set of future plausible scenarios specific to the AEC sector including forces that drive change.

Engagement

Proactive Measures & Capabilities Framework

Providing a strategic framework that outlines the proactive measures and critical capabilities needed for effective future preparedness in the AEC sector.

Technological Integration

Insights and recommendations on adopting emerging technologies, such as AI, to support advanced scenario analysis and long-term strategic agility.

Research

Thank You

I Look Forward to Research Engagements!!!

Questions & Comments Please!

