

Risk Management

More than just the Risk Register ...

John Greenwood PMP

Overview

The Aim of Risk Management

Risk Definition:

OED:

(Exposure to) the possibility of loss, injury, or other adverse or welcome circumstance; a chance or situation involving such a possibility.

PMI:

A *risk* is an uncertain event or condition that, if it occurs, can have a positive or negative effect on one or more objectives. Identified risks may or may not materialize in a project.

ISO:

effect of uncertainty on objectives

Aims of Risk Management:

To manage the future

- Risks and Responses

To predict the future

- Assessments and modelling

To enhance maturity

- Knowledge repository

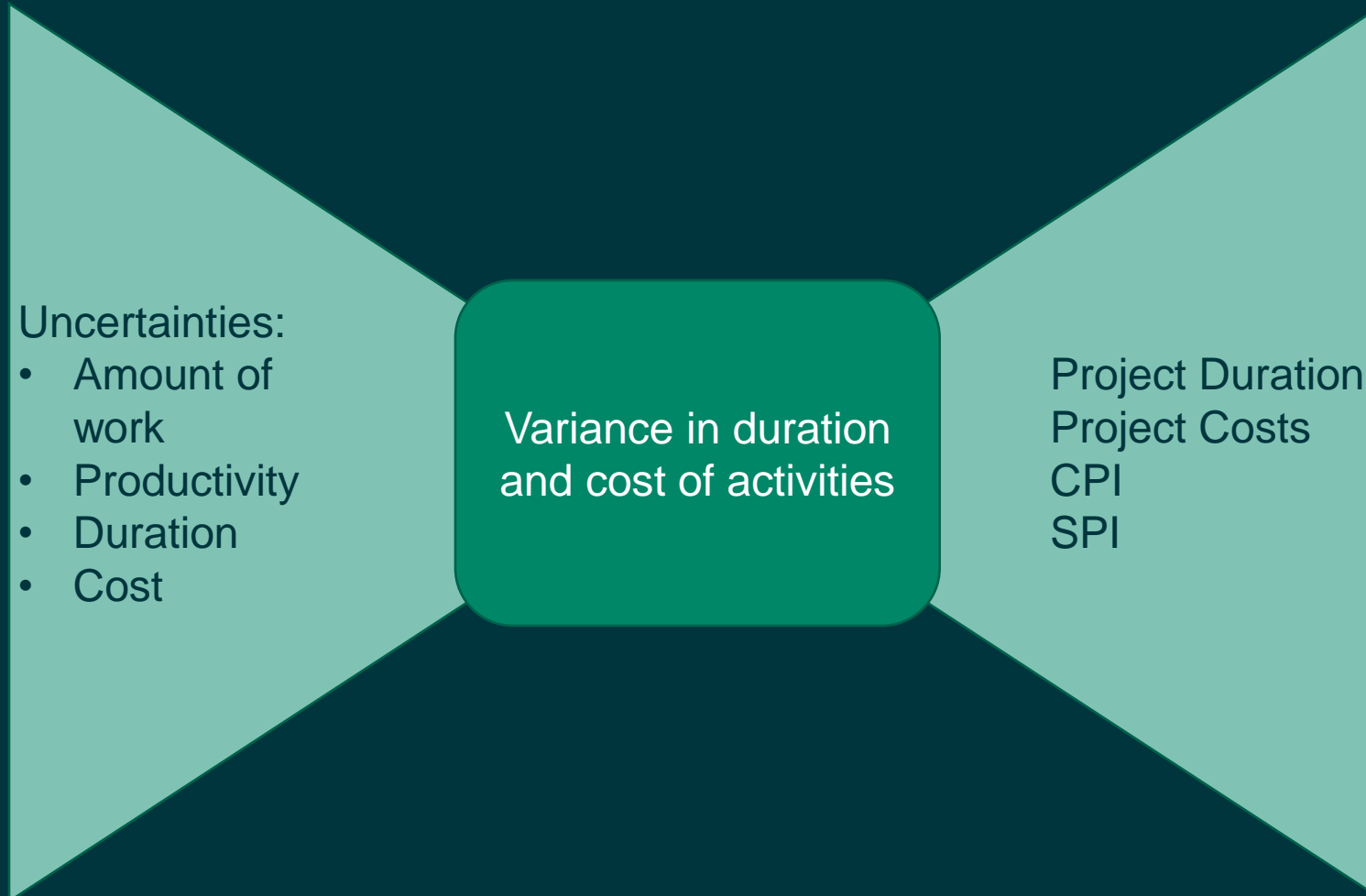
Risks and Responses

Managing the Future

Risk Structure (Bowtie / Butterfly)



Risk Analysis – Estimating Uncertainty



PMO Interface – risk identification



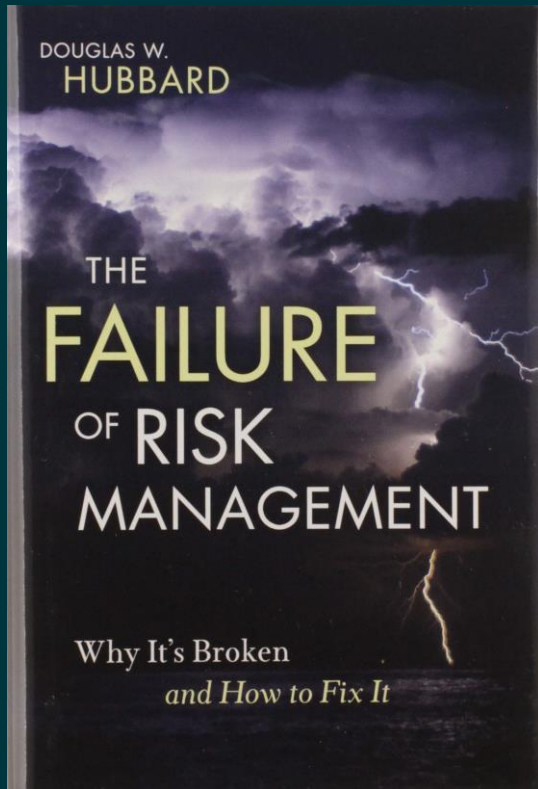
PMO Interface – risk responses



Risk Assessment

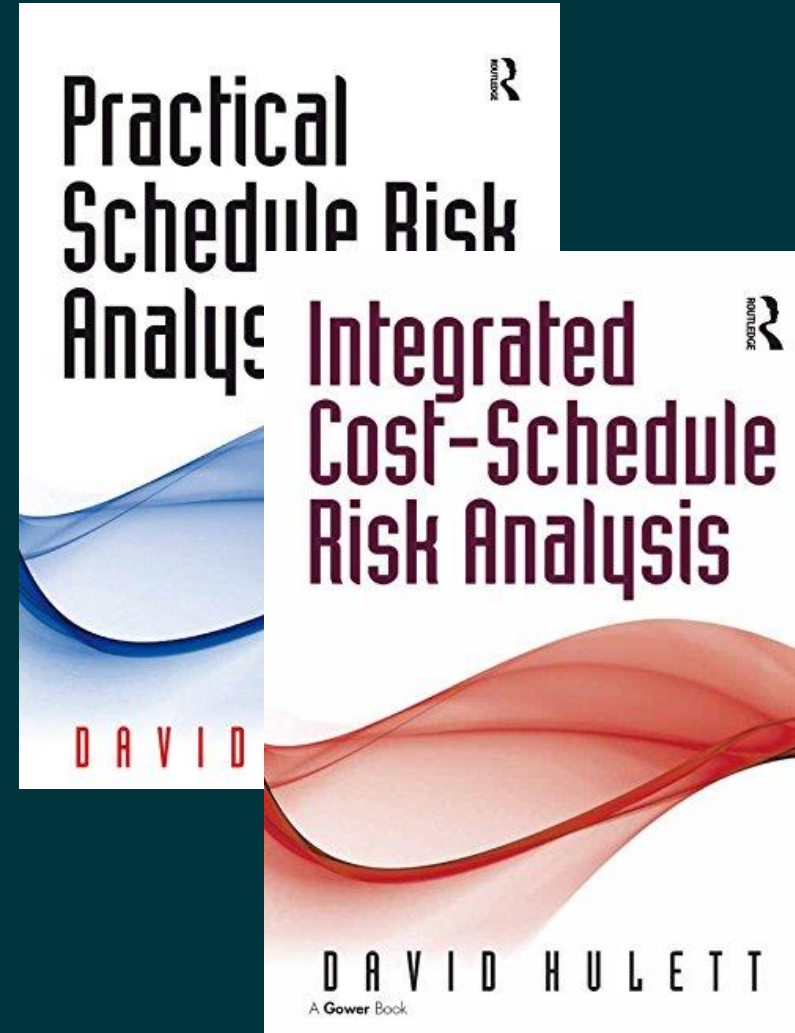
Predicting the Future

Risk Assessment and Modelling



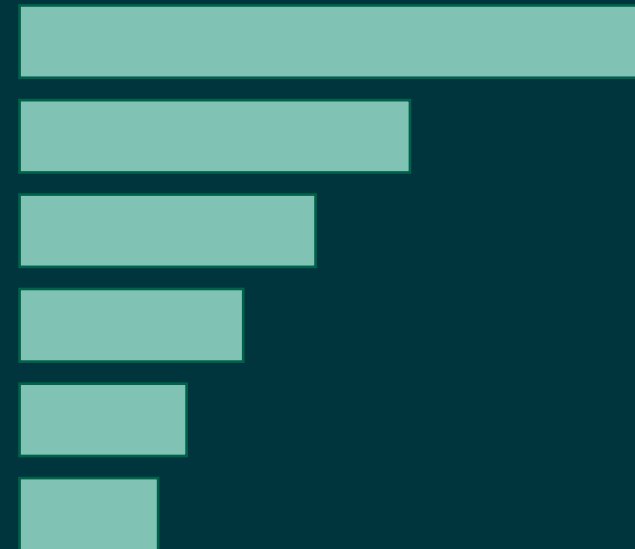
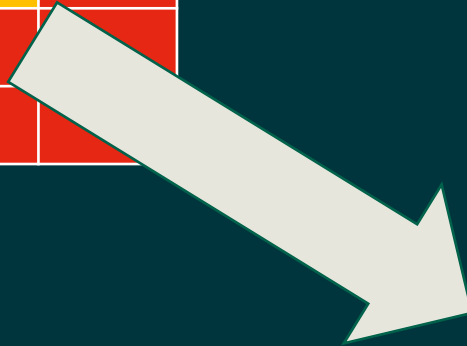
<https://hubbardresearch.com/>

<http://projectrisk.com/>

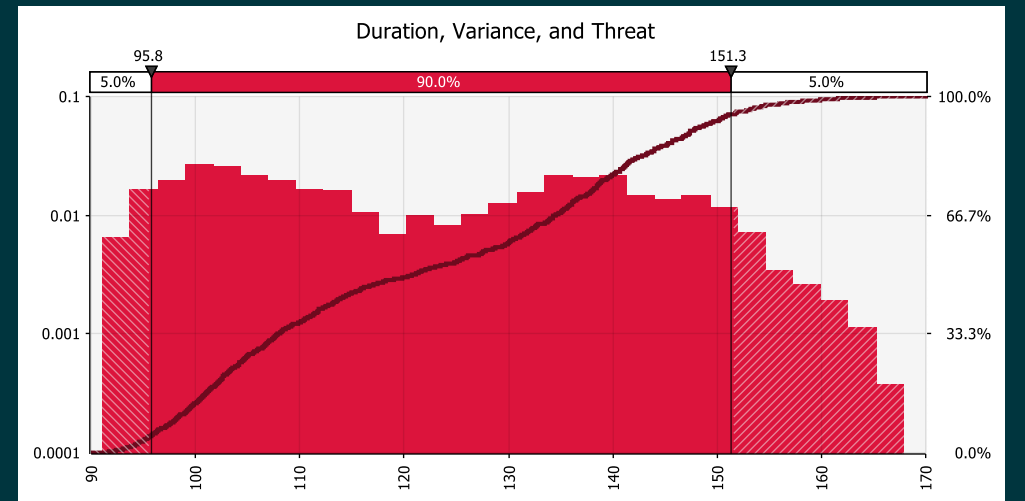
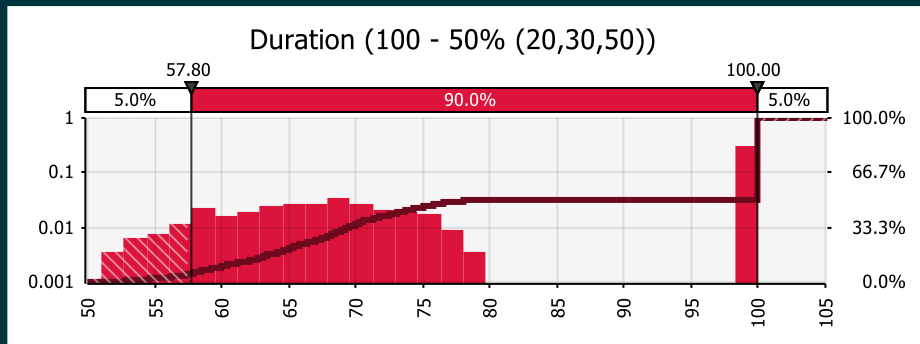
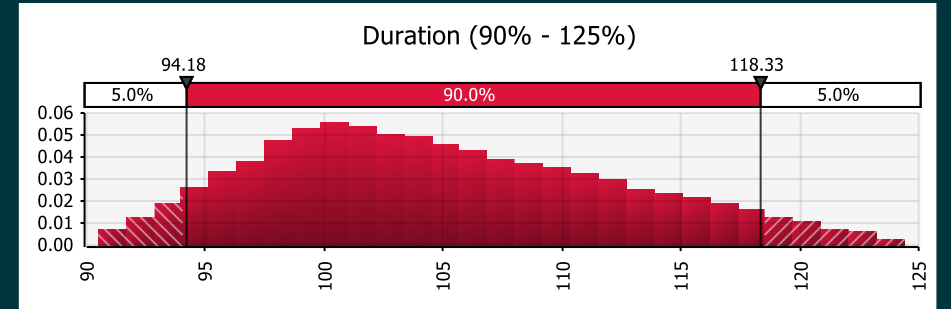
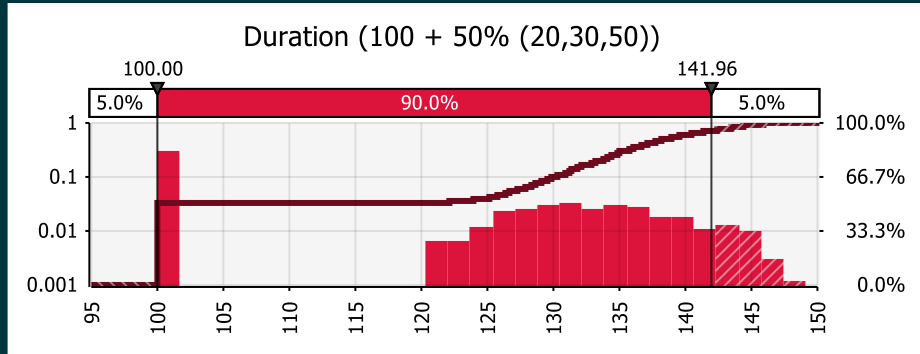


Risk Assessment and Modelling

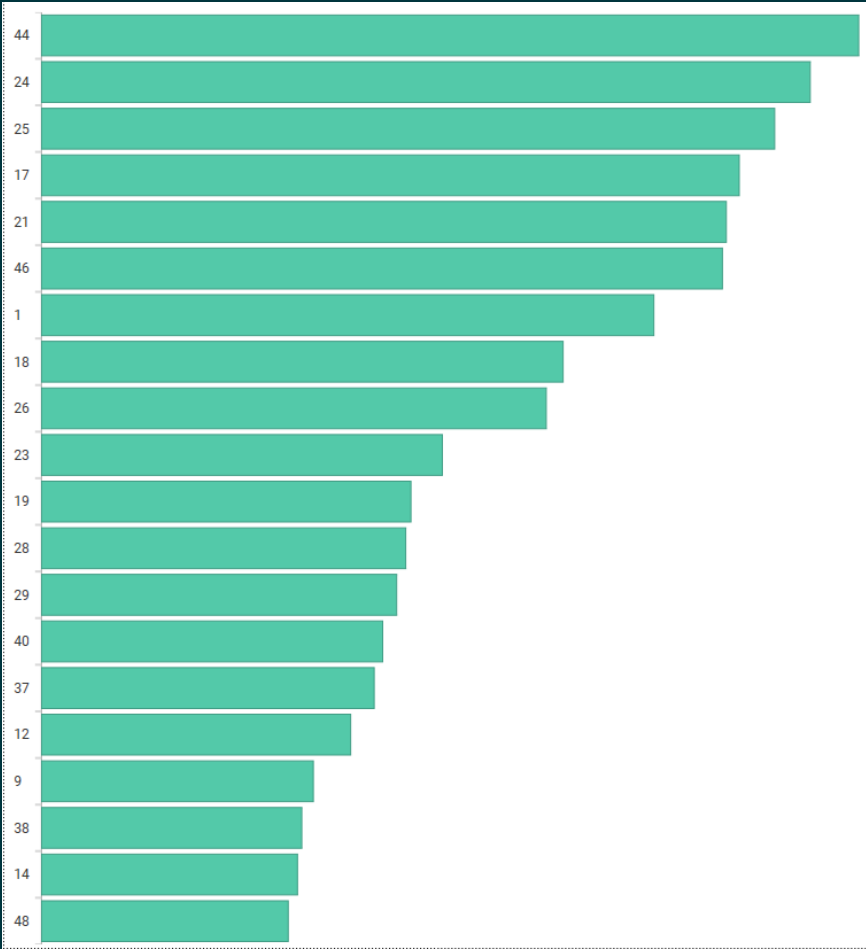
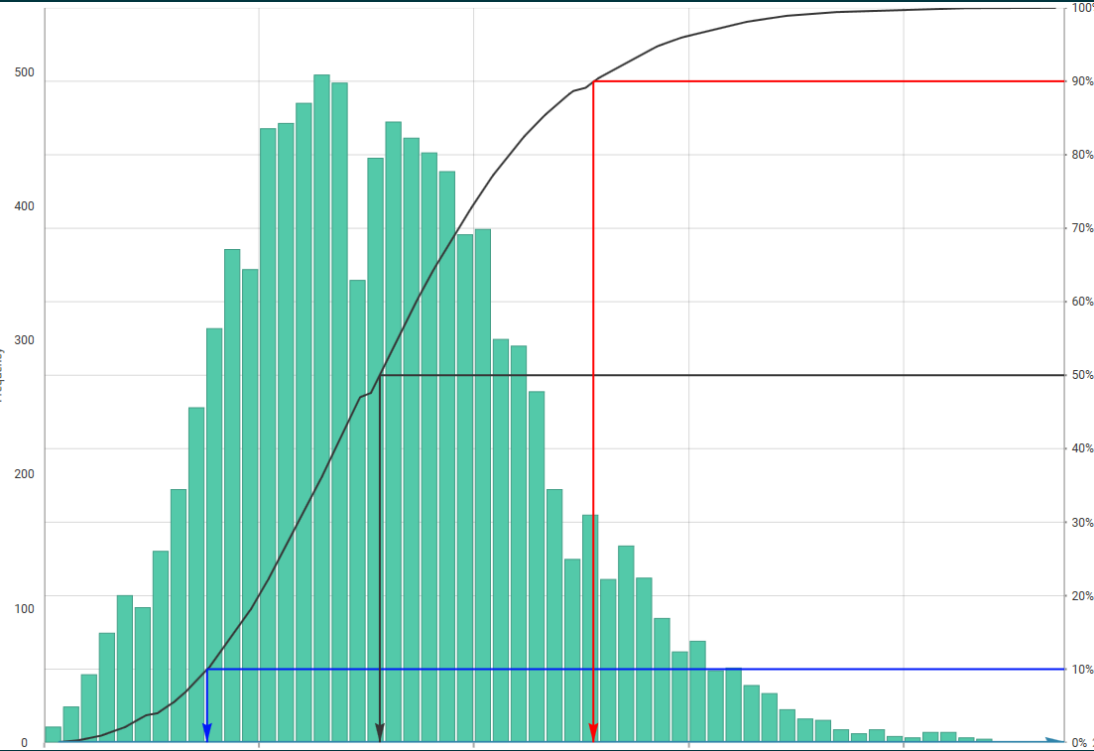
	VL	L	M	H	VH
VL	Green	Green	Green	Yellow	Yellow
L	Green	Green	Yellow	Yellow	Yellow
M	Green	Yellow	Yellow	Yellow	Red
H	Yellow	Yellow	Yellow	Red	Red
VH	Yellow	Yellow	Red	Red	Red



Risk Assessment and Modelling



Risk Assessment and Modelling



Risk Assessment and Modelling

Plans / Work
Breakdown
Structure

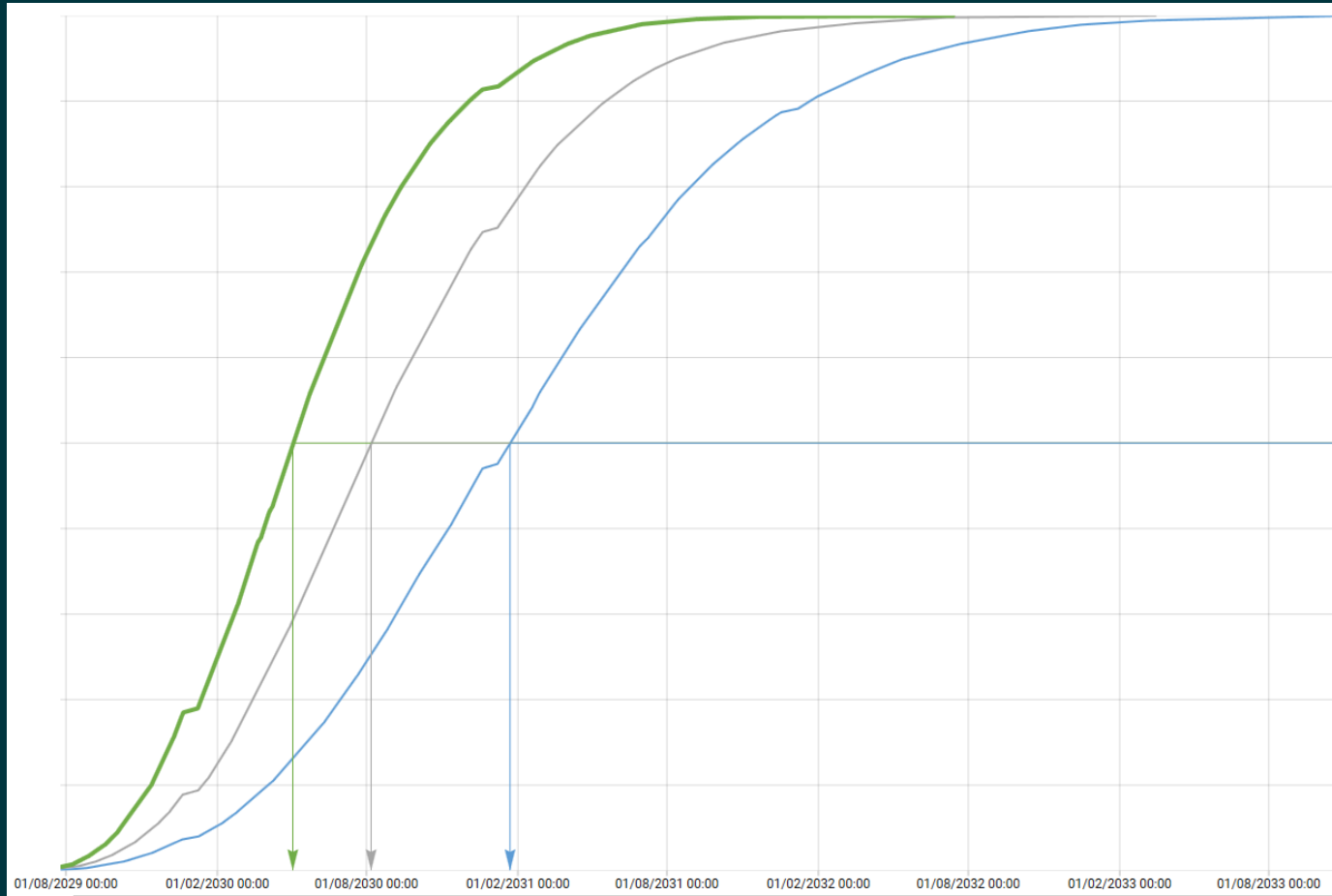
Cost Models

Risk Events:

Pre-mitigation	Current	Post-mitigation
Event likelihood	Event likelihood	Event likelihood
Time and cost of mitigation activities	Time and cost of mitigation activities	Time and cost of mitigation activities
Time and cost of fallback activities	Time and cost of fallback activities	Time and cost of fallback activities

- Statistical cost and schedule out-turn
- Risk priority

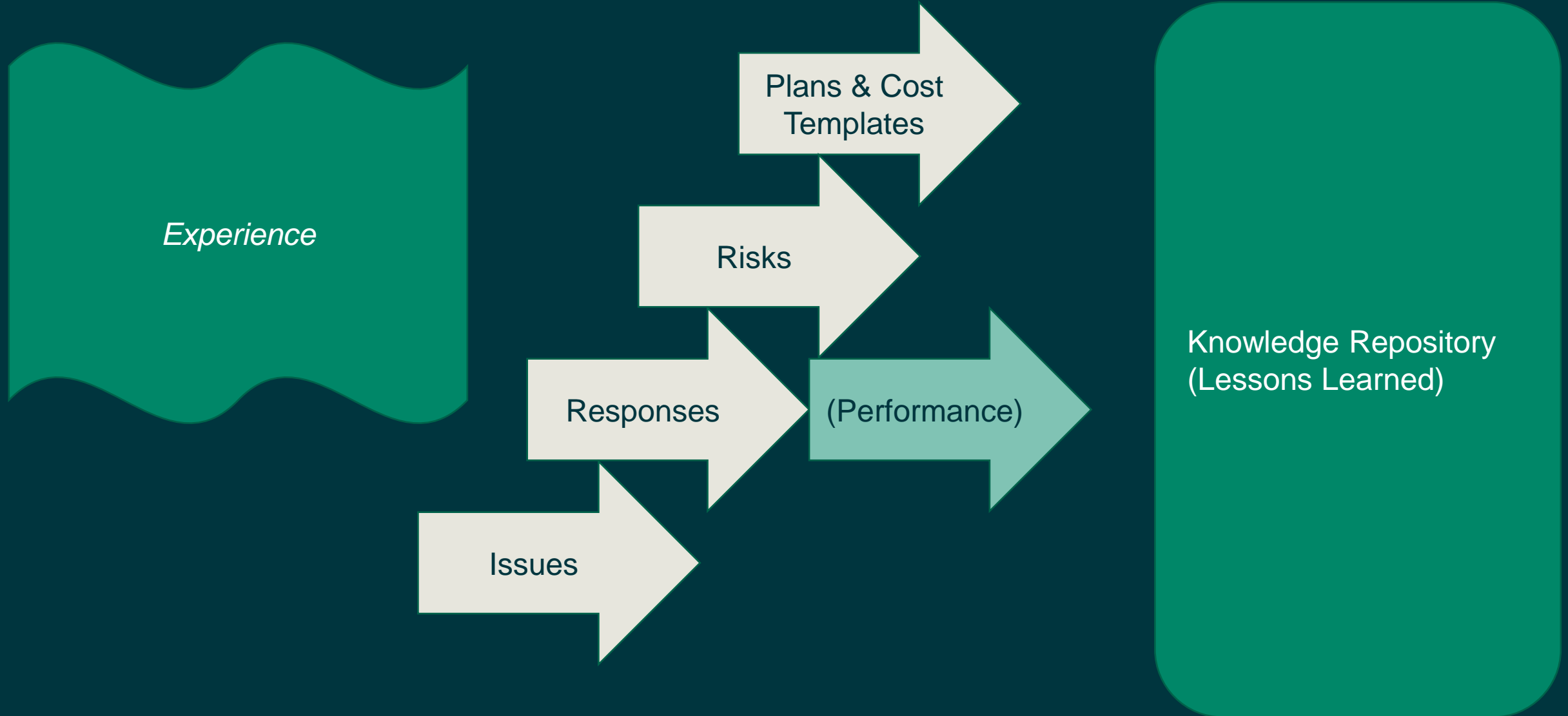
Risk Assessment and Modelling



Enhancing Maturity

Organisational Learning

PMO Interface – learning from experience



Thank you.

John Greenwood PMP

john.greenwood@aecom.com

+44 (0)7442 898445

AECOM Delivering a
better world