

**"A practical tailored test/design problem:
the product specifications for
environmental loads - on many occasions
you have only limited information
and for subsystems nothing"**

Markku Juntunen
KOTEL, Finland

Goal

- Discussion of some practical experiences and current views

“Playground”: a problem set-up

NEW PRODUCT

SUBSTRUCTURE

ISOLATOR

ENVIRONMENT?

- real-life/ std. tests
- end user, statistics

EQUIPMENT

- subsystems

DESIGN?

- early stage
- simulation

DURABILITY?

- specifications
- COTS

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“The Players”

END USER

CUSTOMER

MANUFACTURER

STANDARDS

SUB-CONTRACTOR

DESIGN TOOLS

CONSULT

TESTING FACILITIES

EXPERTS

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TAILORING IS AN ANSWER?

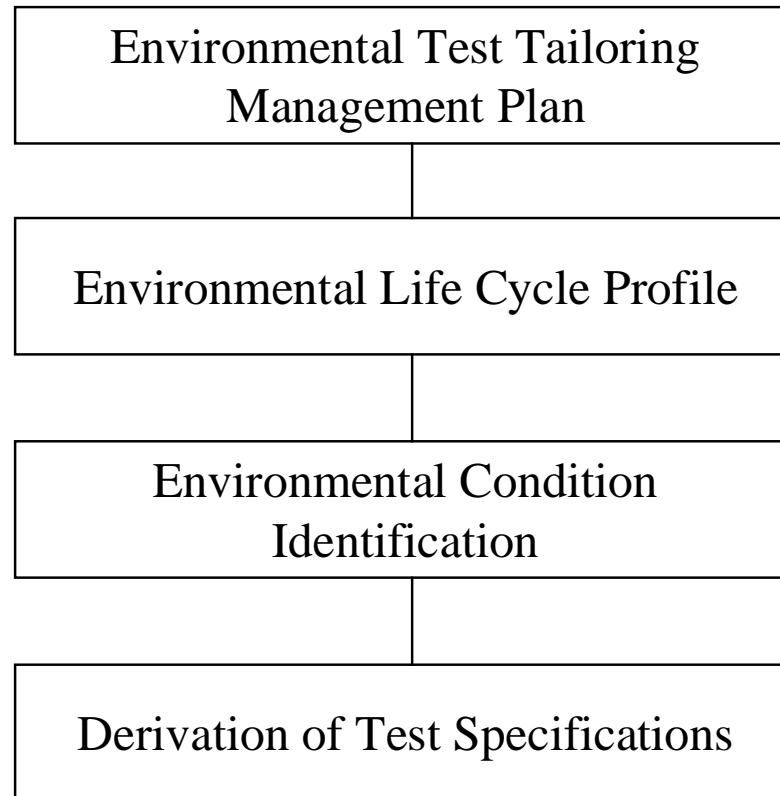
BUT IS IT TOO COMPLICATED TO BE EFFICIENT?

IS IT TOO DIFFICULT TO BE ECONOMICAL?

WHICH OF TAILORING AND ANALYSIS PROCESS DO WE USE?

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CAN WE MAKE IT SIMPLER?



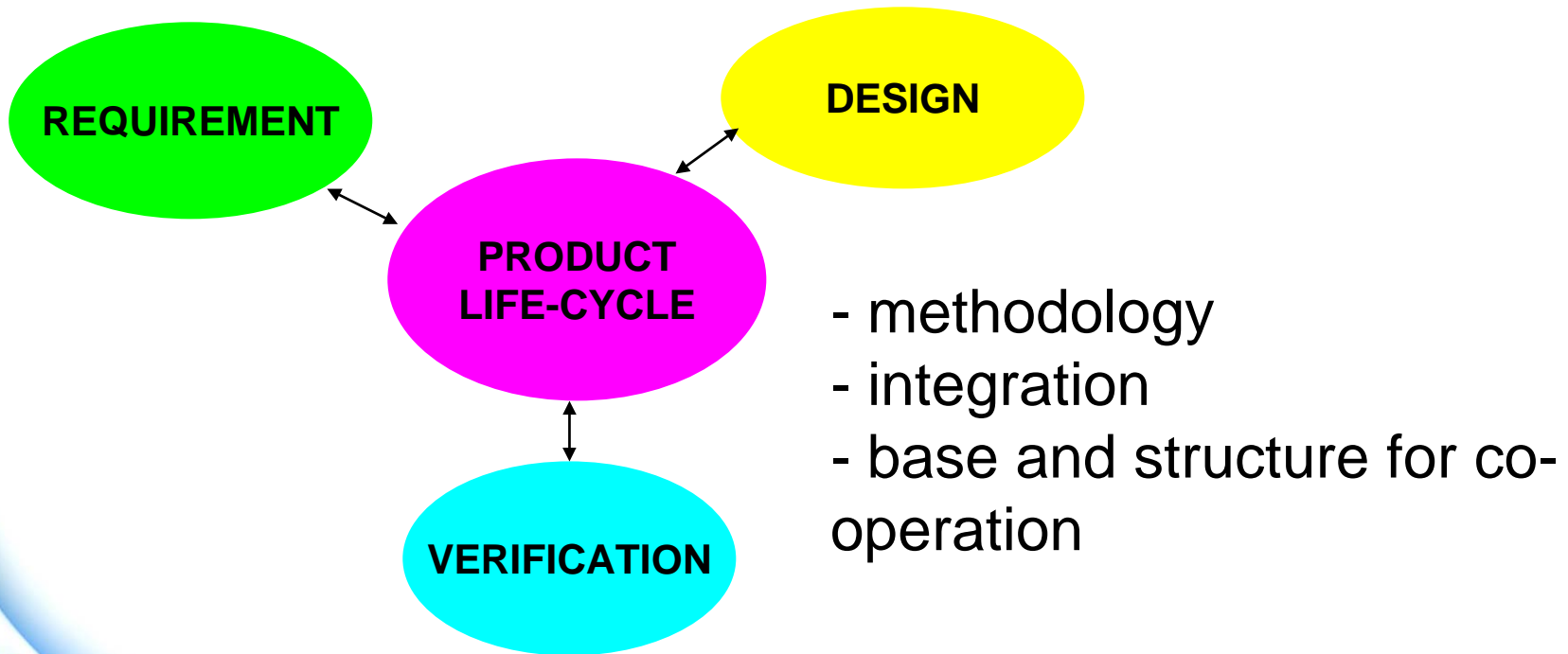
BUT TAILORING IS ONLY A PART OF THE GAME?

- ISN'T THE PRODUCT DEVELOPMENT THE KEY ISSUE?
- THE BOSS SHOULD UNDERSTAND US, TOO?
- HOW TO PUT THE TAILORING INTO THE LARGER PICTURE?

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COULD THIS WORK?

Control of reliability with life-cycle management



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YOU COULD DO IT VIRTUALLY?

SIMULATION GETTING REALLY COST-EFFICIENT?

WOULDN'T IT BE FUN?

YOU WOULD NEED REAL EXPERTS IN TESTING AND VERIFICATION?

THIS IS GOOD NEWS?!

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