Act 7

Knowledge Sharing & Decision Support

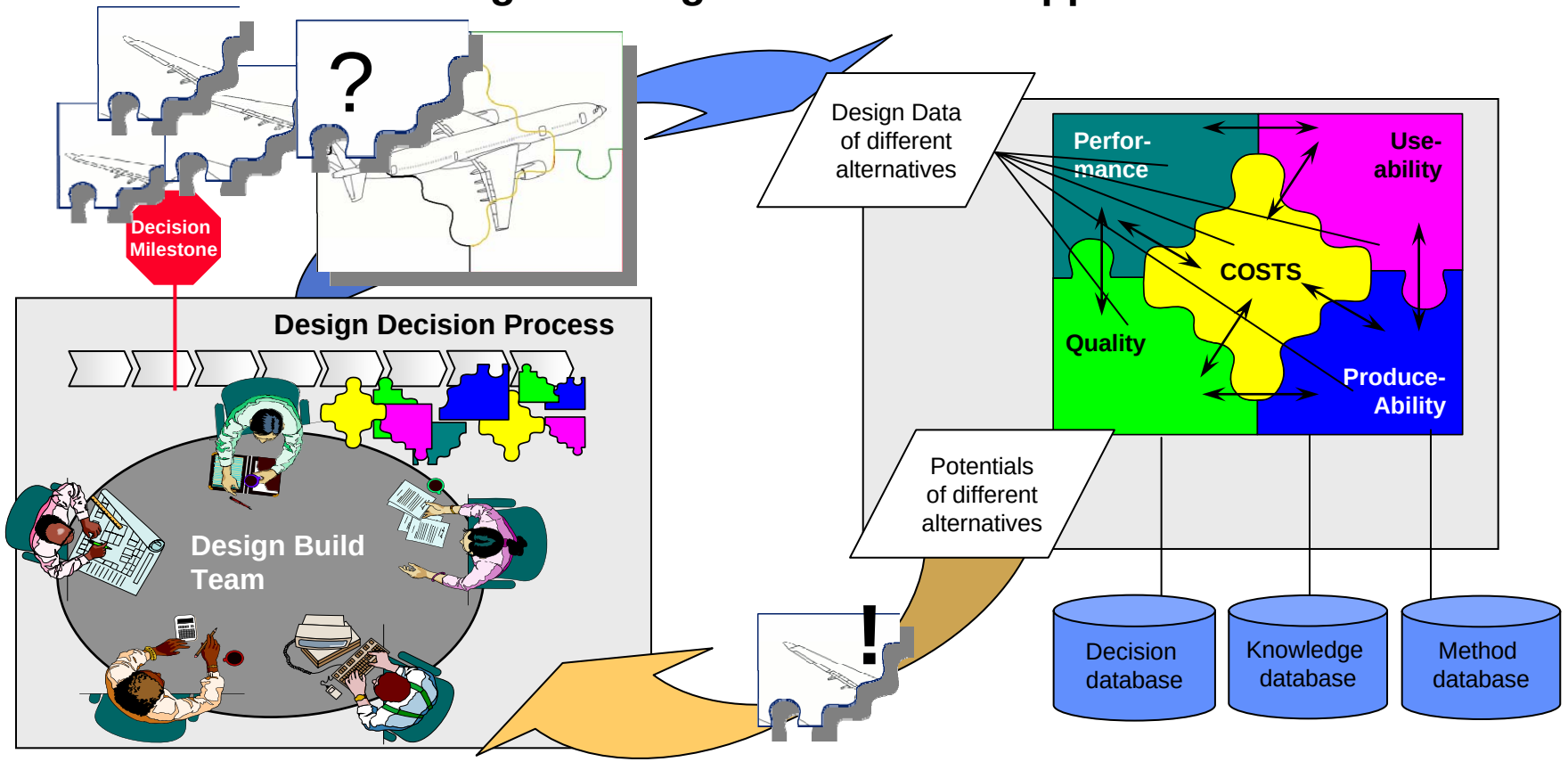
VIVACE

Forum 2, Den Haag, 24 - 26 October 2006

Act 7

KNOWLEDGE SHARING & DECISION SUPPORT

The consortium brings many disciplines together to produce optimised designs to meet both cost and performance targets and to reduce development lead-times. To help achieve these objectives, the consortium uses advanced knowledge sharing and decision support methods.



Act 7

KNOWLEDGE SHARING & DECISION SUPPORT

Scene 1: - Knowledge Management & Sharing

The consortium has developed methods and solutions that enable the better use of engineering knowledge.

a) "Context-Based Knowledge Engineering Platform"

The Knowledge Enabled Solution Platform is a self-learning software system that enables to push applicable knowledge to users depending on their engineering context.

b) "Guidelines for sharing knowledge within an Extended Enterprise"

The use of innovative IT software solutions is also supported by a practical methodology, whereby guidance is given to a Supply Chain involved in Product Design, allowing capture of experience, combined with understanding and managing of relationships, that are critical to successful knowledge sharing.

Act 7

KNOWLEDGE SHARING & DECISION SUPPORT

Scene 2: - Design Reviews

a) "Design to Decision Objectives (DtDO) framework"

In order to provide better quality of information for design reviews and trade-off analysis, the aircraft company has developed sophisticated decision support processes and methods.

b) "Aircraft Change Impacts Analysis"

Engineering changes occur throughout different phases of the aircraft development life-cycle. It is important to be able to assess the impact (consequences) of change from different points of view e.g. requirements, physical or functional product architecture, organisation, programme. The aircraft company is developing and testing methods to enable the dependencies that exist within & between these different viewpoints to be modelled, and analysed.

Act 7

KNOWLEDGE SHARING & DECISION SUPPORT

Scene 1 **Knowledge Management and Sharing**	**Day 1: 14h00 – 15h30** **Day 2: 09h00 – 11h00**
a) Introduction to KEE **b) KES Platform** **c) Methods & Guidelines** **d) Conclusions** **(with demo of "Dissemination Portal")**	Daniele Gulmini, Nicola Spiniello (Avio) Romaric Redon (EADS CRC) Paul Nuzzo (BAE Systems) Daniele Gulmini (Avio), Andreas Larsson (LTU)
Scene 2 **Design Reviews**	**Day 1: 16h00 – 17h30** **Day 2: 11h30 – 13h00**
a) DtDO Framework **b) Aircraft Change Impacts Analysis**	Axel Mauritz, Tim Lochow (EADS CRC) Peter Coleman (Airbus), Tim Lochow (EADS CRC), Andreas Songin (CIMPA)