



INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT

The TWINS Project

ITEA 2 Symposium 2006, 5th October 2006

Nicky Williams, CEA List



European leadership in Software-intensive Systems and Services. The Future of Embedded and Distributed Software.



The consortium today

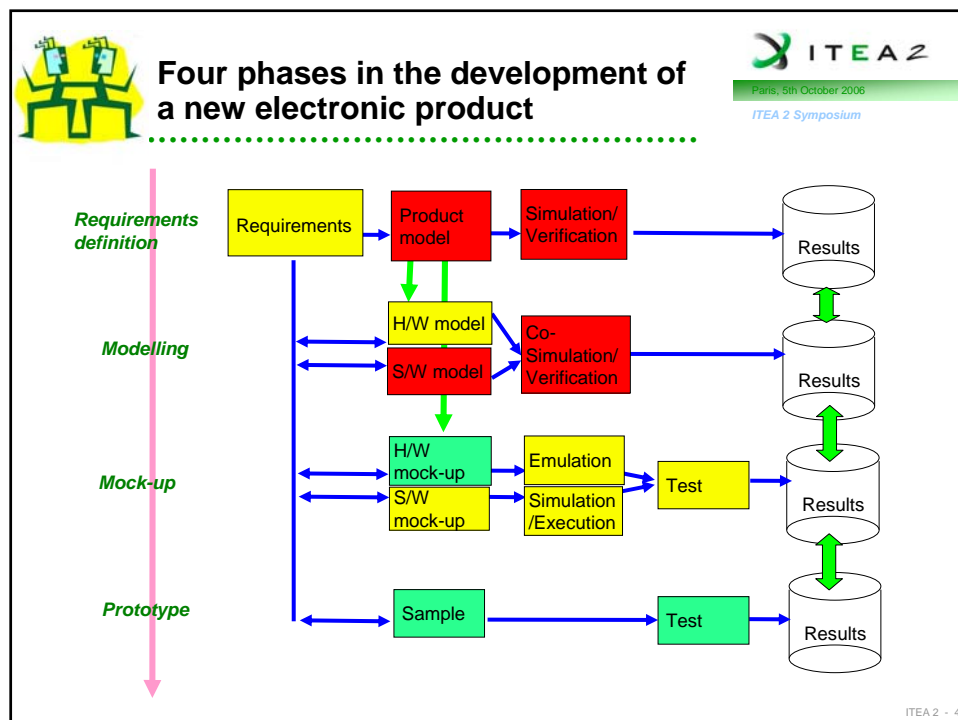
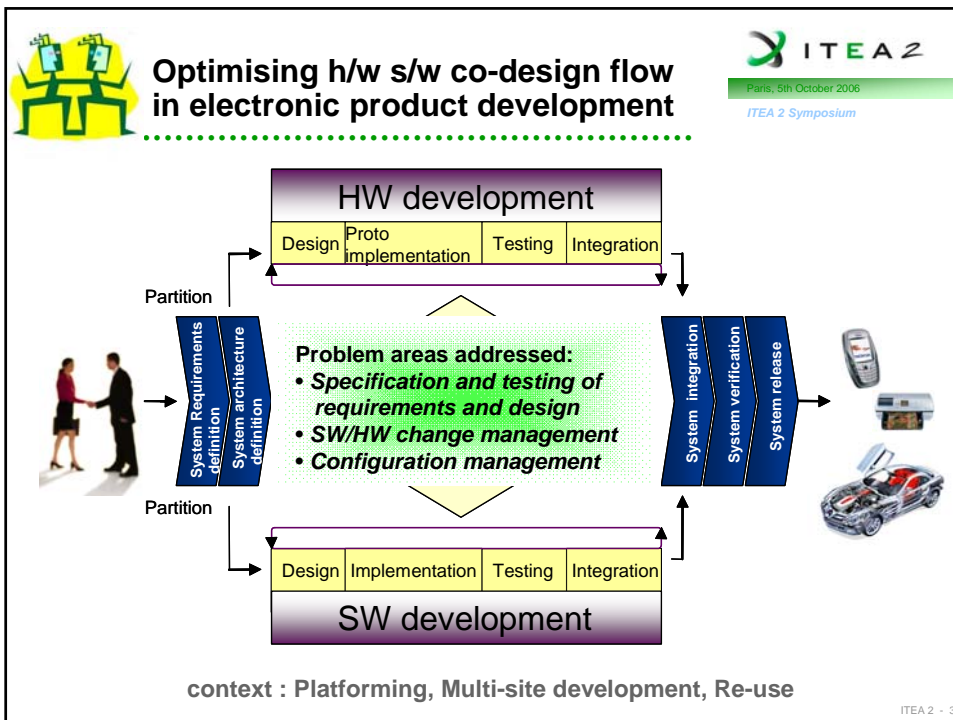


Paris, 5th October 2006

ITEA 2 Symposium

	Industrial	SME	Academic
France	Schneider Electric Siemens VDO	ScaleoChip	CEA List
Belgium	Barco	Q-star	WTCM-CRIF
Finland	Nokia Metso	Espotel	VTT
Netherlands	Océ -Technologies Logica CMG	NBG	LaQuSo
Germany	Audi/AEV	pure-systems	Fraunhofer IIS
Spain		SQS ZIV P+C	Innovalia

Funded today : France, the other partners will know by early 2007



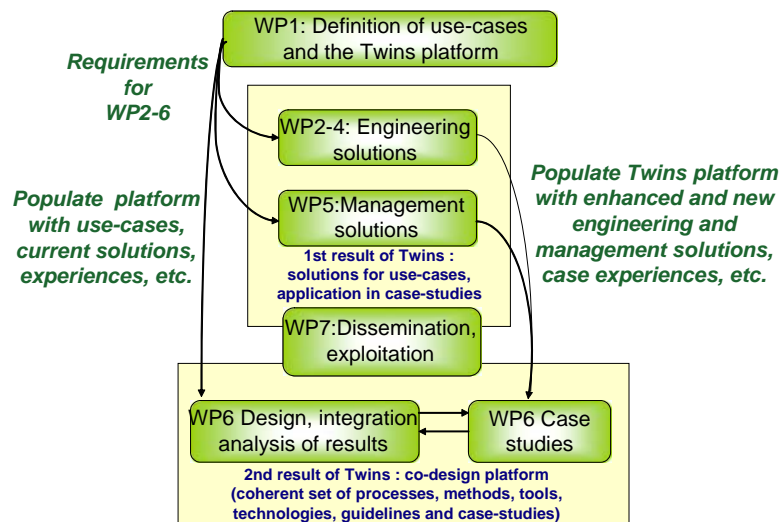


Technological innovation

- Common **modelling** of both hardware and software components
=> encouraging a dialogue between hardware and software experts
=> enabling irreversible design decisions to be delayed as long as possible
=> facilitating the definition of reusable hardware components
- Support for the formalisation of both hardware and software **requirements** and for the derivation of design models respecting requirements;
- Integration of tools for model-animation, hardware & software **simulation/emulation** and automatic test-generation in the platform
=> enabling the early detection of design errors
=> avoiding slow and expensive hand-crafting of test cases at different development phases



Project structure





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Thank you *for your attention*

