



20

**ans de CPIM de France**  
**years of CPIM in France**

**ECLIPS research program**  
**Alex Waterinckx, CPIM**

- ***16èmes journées***
- ***des CPIM de France***
- ***La gestion des Opérations***
- ***Operations Management***

28-29 sept. 06: 20 years of CPIM in France – 16<sup>e</sup> Journées: Operations Management – la gestion des opérations

# Project Characteristics

- **ECLIPS** : *Extended Collaborative integrated Lifecycle Planning System*
- *Research project in Supply Chain Management*  
*Partially funded by the European Commission in the context of the Research Framework Program 6*
- *Period : 3yr from Q2'06*
- *Partners:*

– MÖBIUS	Be	Supply Chain expertise
– Riga Technical University	Lv	Academic
– Eurodecision	Fr	Optimization expertise
– LOQUTUS	Be	Software development
– Huntsman	De	End User (Chemical)
– Pliva-Lachema Diagnostica	Cz	End User (Pharmaceutical)



# Research Goal of



- *Overall Goal:*
  - Increasing supply chain performance while decreasing cost
- *An illusion? No a necessity!*
  - We want to provide an answer for today's supply chain challenges

Conflicting objectives ...

Increase Profitability  
... Reduce Working Capital



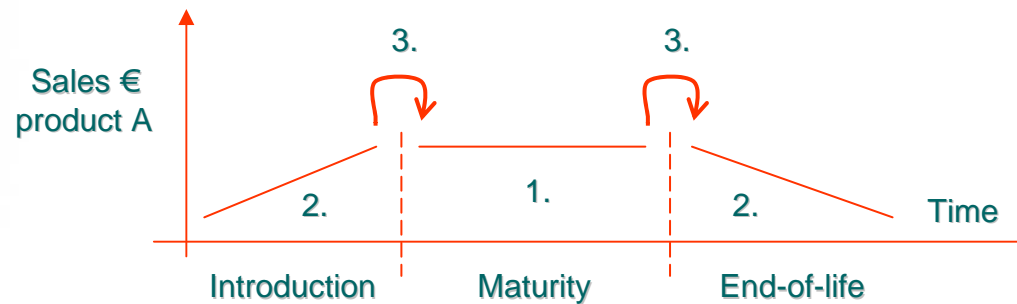
Globalize Supply Chain  
Diversify Product Offering  
... Shorter Product Lifecycles

The industry is in need of a breakthrough

- *Practical Target:*
  - 30% Inventory Reduction for Equal Customer Service

# Research Agenda

- *Extend the State-of-the-Art taking into account*
  - The Multi-Echelon, holistic, optimization of a supply chain
  - The different phases of a product lifecycle and their integration



- *3 Key Research Topics*
  - *Maturity phase :* *Multi-Echelon Cyclic Planning*
  - *Introduction / End-of-life :* *Improved Statistical Forecasting*
  - *Lifecycle Integration :* *Automated switching of Supply Chain Control*

# Target Industries

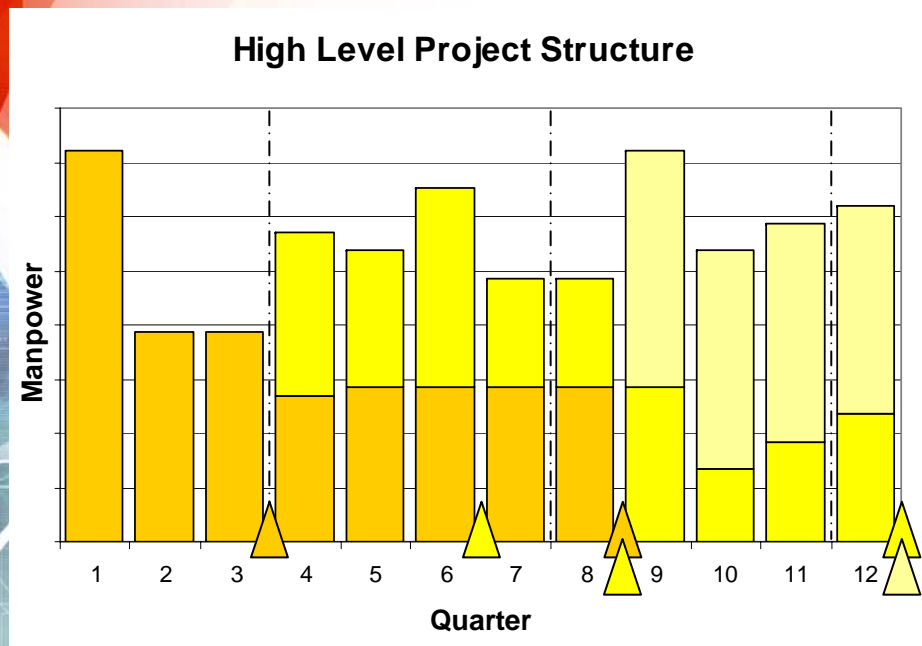
- *ECLIPS aims to support supply, production and distribution environments with batch or semi-batch characteristics*
  - Example supply chains
  - Food products, beverages and tobacco
  - Chemicals, chemical products and man-made fibers
  - *Pharmaceutical products*
  - *Textiles and textile products*
  - *Basic metals and fabricated metal products*
  - *... and others*

} *Primary focus for exploitation*
- *The target industries are represented through an Advisory Board / User Group. The following companies have committed participation:*



# Work Plan & Deliverables

- 7 Work Packages ... 3 major phases



■ *Concept Development*

- WP1: Scope Definition
- WP2: Best Practice Development

■ *Software Development & Concept Testing through simulation*

- WP3: Software Development
- WP4: Best Practice Validation through Simulation

■ *Real Life Application*

- WP5: Best Practice Validation through real life application

Visit the site [www.eclipsproject.com](http://www.eclipsproject.com) for the latest information !

**Merci pour votre attention**

**Thanks for your attention**

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