













Key features of the gaming experiment				
1	Duration of the role playing game	The overall game is played over a 2-day session. Each day includes sessions of briefing, game and debriefing.		
2	The setting	Each player is assigned a specific role within the simulated SC. In the 2 nd day the roles are switched among the players.		
3	Time horizon of the game	12 months. Each simulated month lasts 15 "real" minutes.		
4	Objectives to achieve	Deliver goods on time. Maximise customer satisfaction. High operating profit. Increase firm's value.		
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	Key feat	ares of the gaming experiment
5	Performance outputs	The key performance indicators (KPIs) are defined on the basis of the previous objectives and are identified across the four perspectives of the Balanced Scorecard (Financial; Customer; Internal Processes; Learning and Growth).
6	Additional features	The game may include inconveniences, such as machinery failures. Capacity constraints are also imposed.
7	Teaching support materials	Player's guide. Micro-F organizational chart. Micro-F strategic plan. Micro-F strategy map and BSC reports. Teaching Note.
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	Balanced Scorecard
Financial Perspective	Customer Perspective
Net Revenues	Punctuality of shipments
Contribution Margin	Customer Satisfaction
Overhead Costs/Goods sold	Pct. of orders completed
Net Revenues (new customers)	
Internal Processes Perspective	Learning and Growth
	Perspective
Number of goods manufactured	Organizational climate
Raw Materials Inventory Rotation (%)	Efficacy of information flows mgt
Plant Usage (%)	Capacity of self-improvement
Number of reworks	Activities carried out/Planned
	activities
New customers	
Returned goods	





Discussion and final remarks

It is our opinion that the overall approach (the gaming experience plus the use of a specific performance measurement system - the BSC - and a System Dynamics model) helped the participants and the facilitators to reach the educational goals.

- The project led the participants to:
 - question and challenge their mental models and their assumptions about complex SC domains;
 - cooperate and think in terms of team (and not individual) goals;
 - develop a comprehensive vision of the production process and the main features of the reference market;
 - develop a trans-disciplinary professional approach to SCM.





Discussion and final remarks

It is interesting to note that most of the proposals/ideas/policies identified by the participants are mentioned by the literature as feasible solutions to SC problems and for improved SCM practices (e.g. see Goldratt and Cox 1984; Towill 1996; Levy 1998; Akkermans *et al.* 2003; Shah and Ward 2003; Akkermans and Dellaert 2005; Granlund and Mouritsen 2003; Gunasekaran et al. 2004; Bhagwat and Sharma 2007).

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