



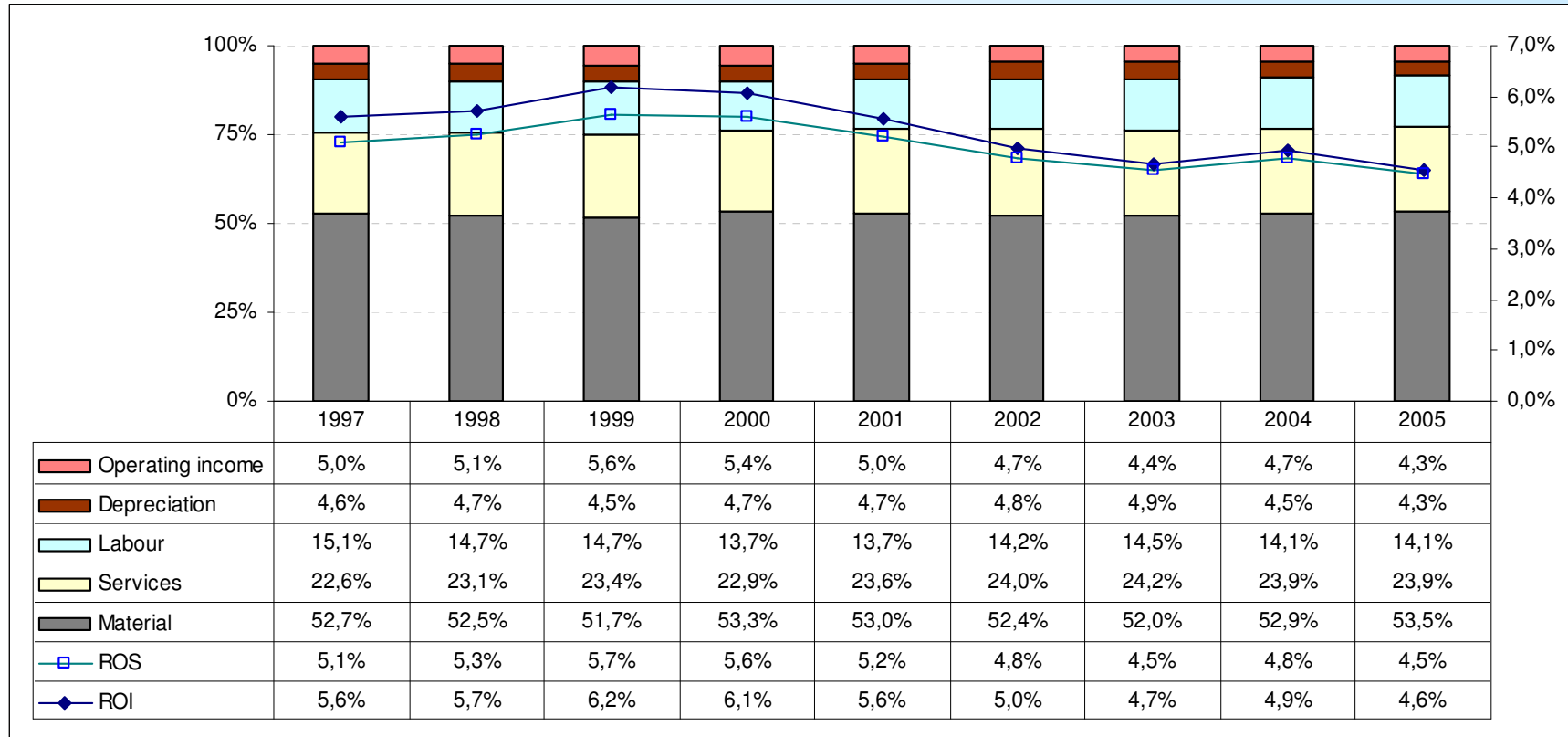
STRATEGIC COST ANALYSIS: FIELD EVIDENCE

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Roadmap

- The relevance of the “cost dimension” in business economics
- Cost, value and cost drivers
- Cost along the value chain
- The practice of cost accounting and management
- Future trends

Cost Relevance in Italian Manufacturing Industry

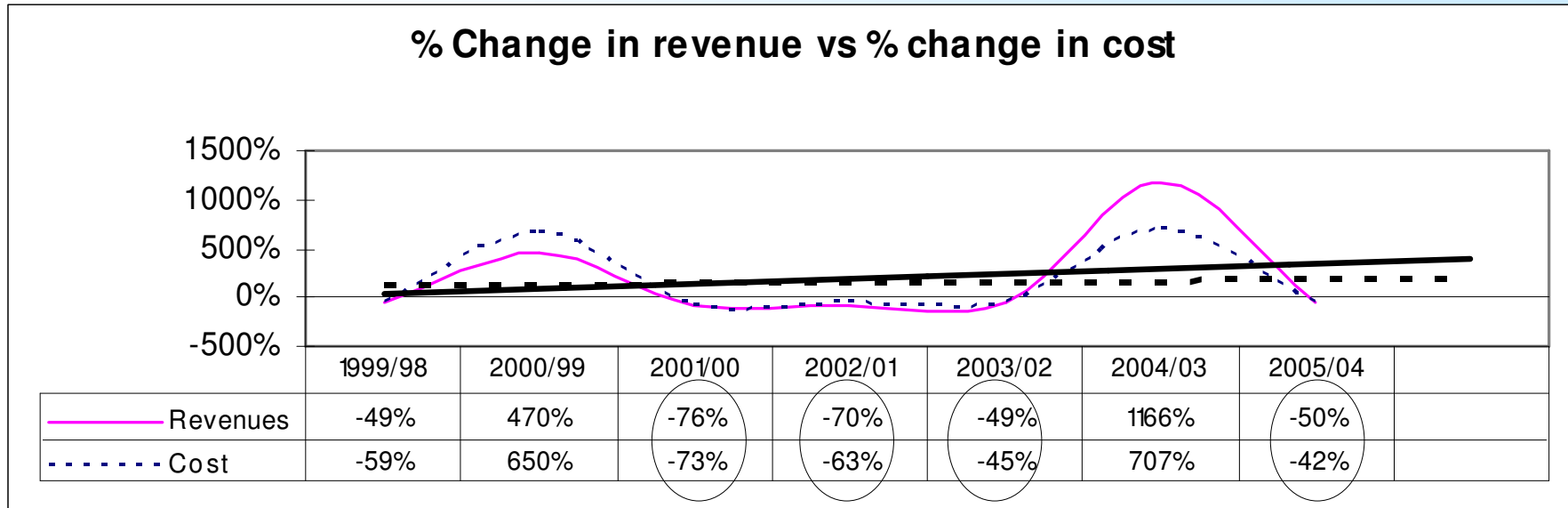


20.533 italian manufacturing companies in K/ €,

Declining and poor profitability
External cost ~77%
Activity cost ~42,3%
Cost vs profitability ratio is very high (~1/22)
External cost vs profitability is very high (~1/18)
Activity cost vs profitability is high (~1/ 10)



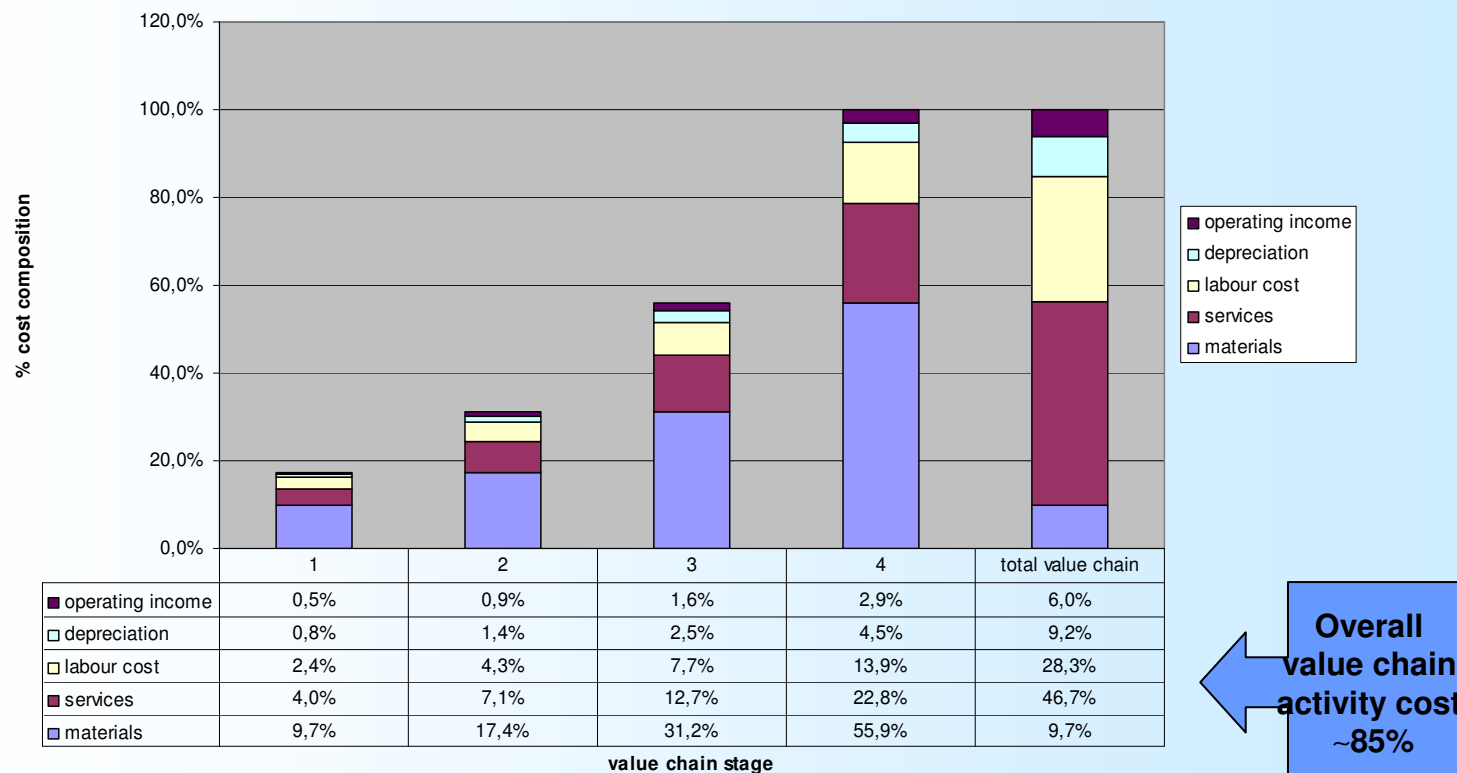
Cost and performance in the italian manufacturing industry



- The speed of change of cost is lower than the speed of change of revenues, but there is an increasing trend
- Lower activity does not lead to lower cost

Cost and profitability along the value chain

Cost and profit along the Italian manufacturing industry value chain



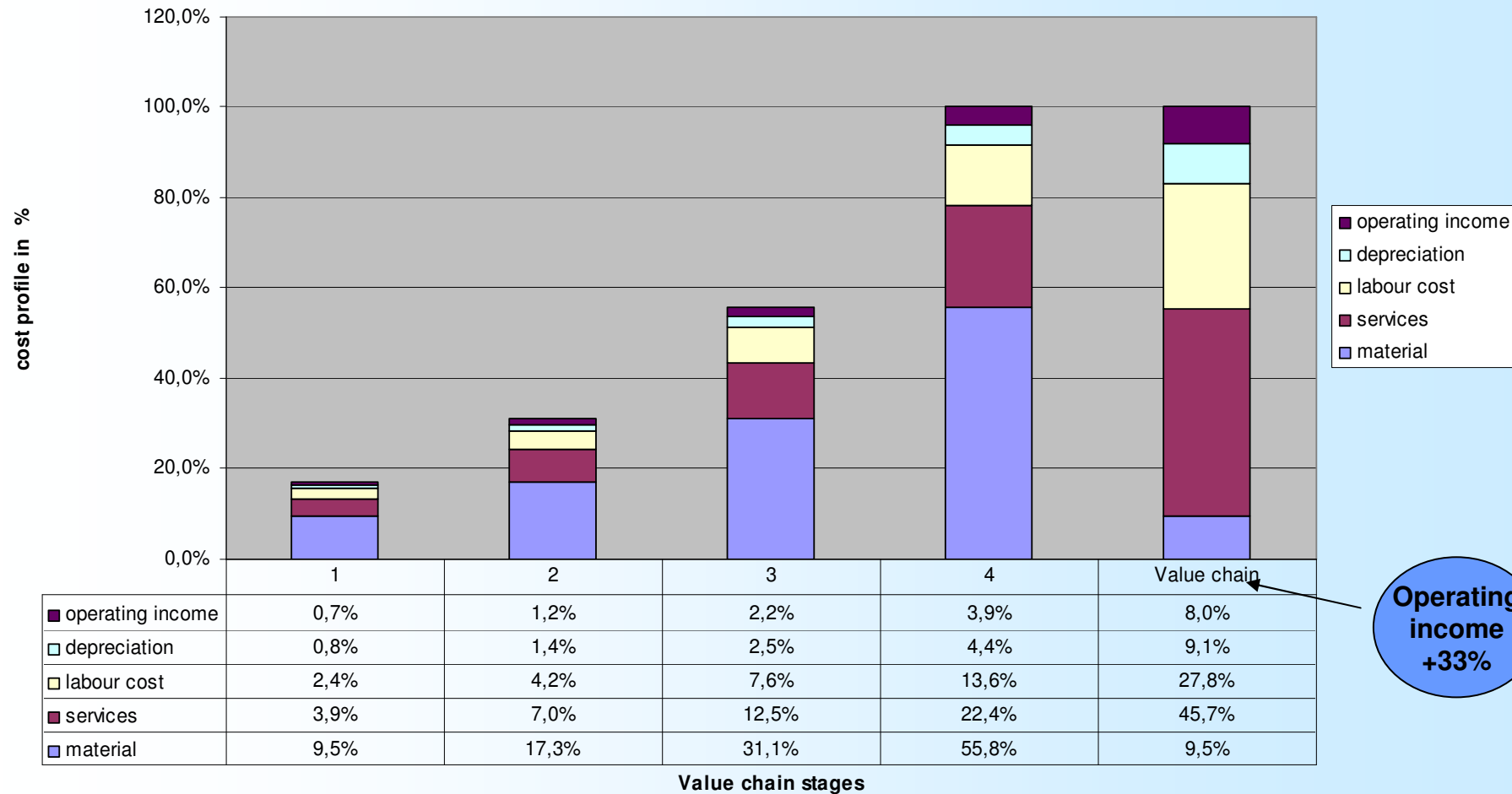
Specific studies:

- Agriculture machinery (~70%)
- Woodworking machinery (~88%)
- Home appliances (~82%)



Cost management and profit potential along the value chain

value chain performance with a cost efficiency of 2% shared at each stage



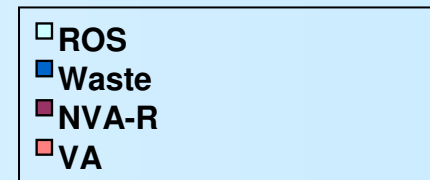
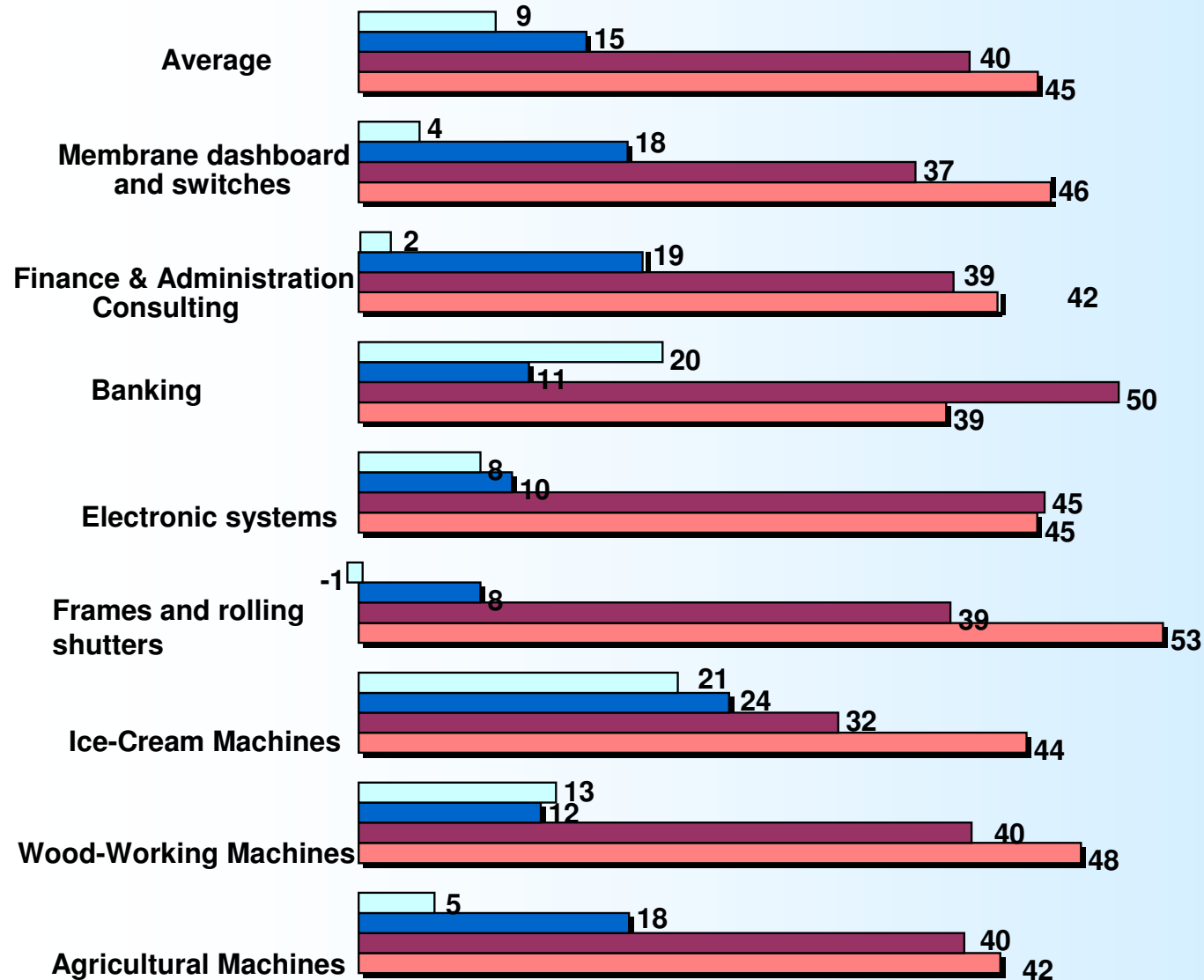
Operating income +33%

Activities, cost and cost drivers

	<i>Execuational Cost drivers</i>	<i>Structural Cost drivers</i>
<i>Frangor Co</i>	66%	34%
<i>Icecream Co</i>	57%	43%
<i>Motorbike Co</i>	85%	15%
<i>Woodwork Co</i>	57%	43%

	<i>Work force involvement</i>	<i>Capacity utilization</i>	<i>Plant Lay out</i>	<i>Suppliers & Customers integration</i>	<i>Product configuration</i>	<i>Total Quality Management</i>
<i>Frangor Co</i>	6%	0%	3%	19%	36%	36%
<i>Icecream Co</i>	1%	0%	21%	27%	5%	45%
<i>Motorbike Co</i>	9%	44%	0%	4%	3%	40%
<i>Woodwork Co</i>	3%	1%	12%	26%	16%	42%

The value of the cost



The value of the cost: cost and value mismatches

What do we do today?

Activities	% resources
Produce manuals	60%
Answer hotline	15%
Respond to letters	5%
Help locate repair or support services	10%
Revise manuals and send updates	10%

What does the customer value?

Activities	% of total value created for the customers
Hotline support	60%
Help locate repair or support services	20%
Respond to inquiries	10%
Updates and other services	5%
Manual availability	5%

(McNair 1994)

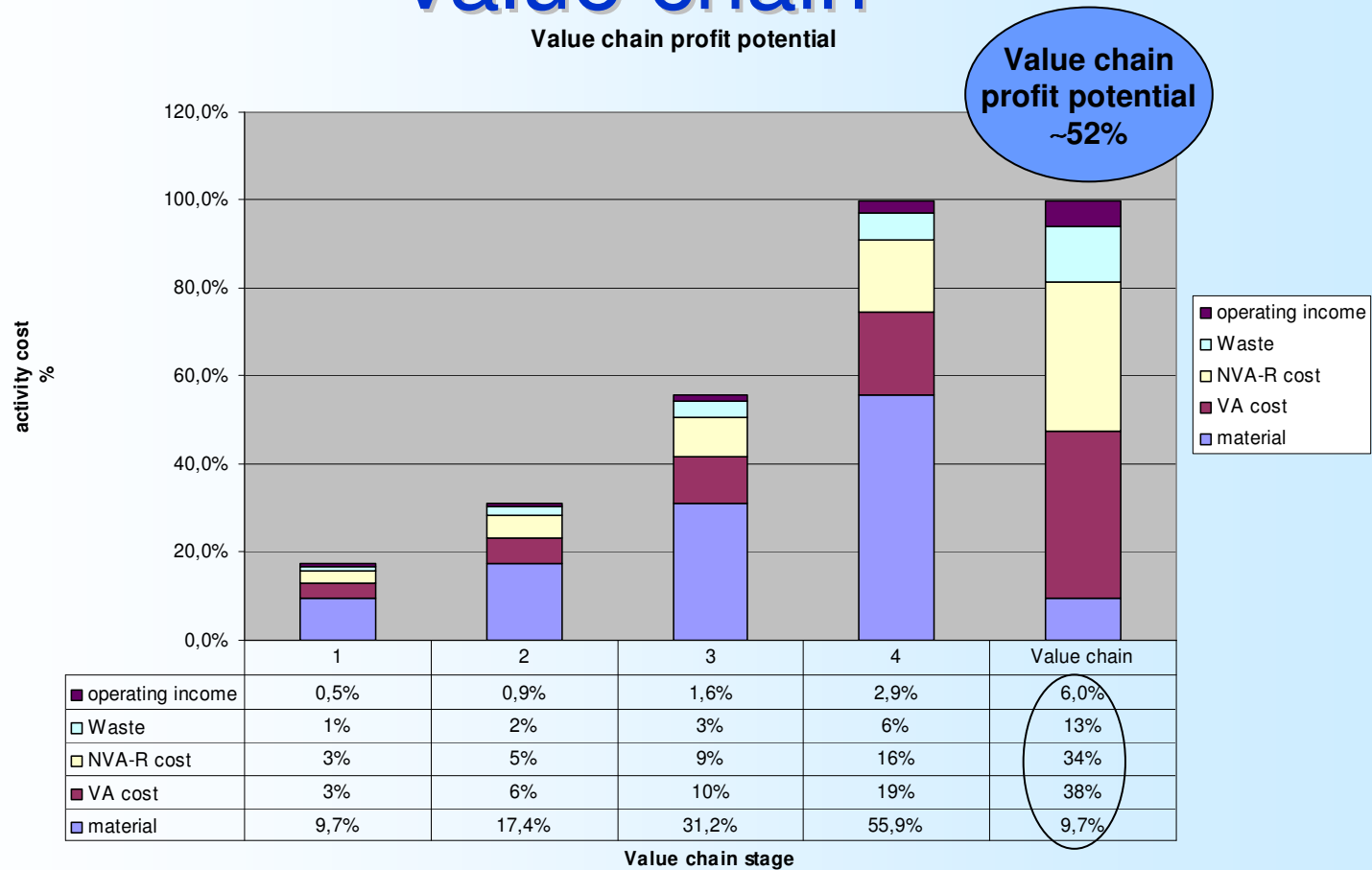
Specific studies:

- Woodworking machinery, Agriculture machinery, rolling shutters, home appliances
- Consulting and Financial Services

cost analysis along the value chain

Cost, value and profit potential along the value chain

Value chain profit potential



Specific case: home appliances 61%

Evidence of cost driver analysis along the value chain

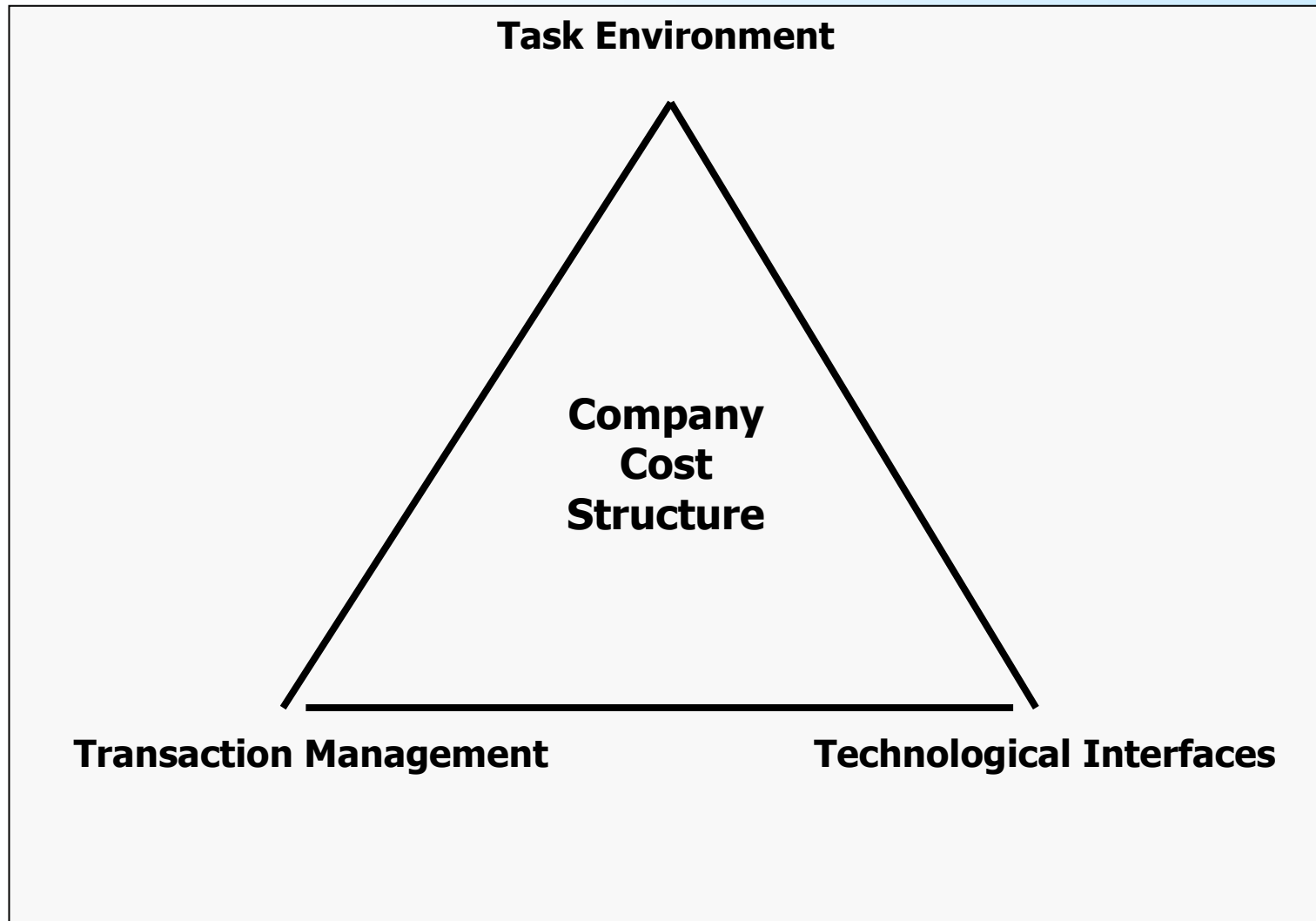
- 17% supplier/customer level of integration (max 35%, min 3%)
- 20% product configuration (max 37%, min 2,3%)
- 9% executional complexity (max 26%, min 2,5%)

Network cost management

Co-makers vs. other customers profit potential

	<i>customers</i>		
	<i>comaker</i>	<i>others</i>	<i>total</i>
Revenues	57.654	41.362	99.016
Material	27.834	17.438	45.272
Value added activity cost	8.124	8.674	16.798
Profit potential	21.696	15.250	36.946
Non value added but required activities	8.110	8.925	17.035
Waste	1.542	2.285	3.827
Operating profit	12.044	4.040	16.084
	<i>comaker</i>	<i>others</i>	<i>total</i>
Revenues	100,0	100,0	100,0
Material	48,3	42,2	45,7
Value added activity cost	14,1	21,0	17,0
Profit potential	37,6	36,9	37,3
Non value added but required activities	14,1	21,6	17,2
Waste	2,7	5,5	3,9
Operating profit	20,9	9,8	16,2

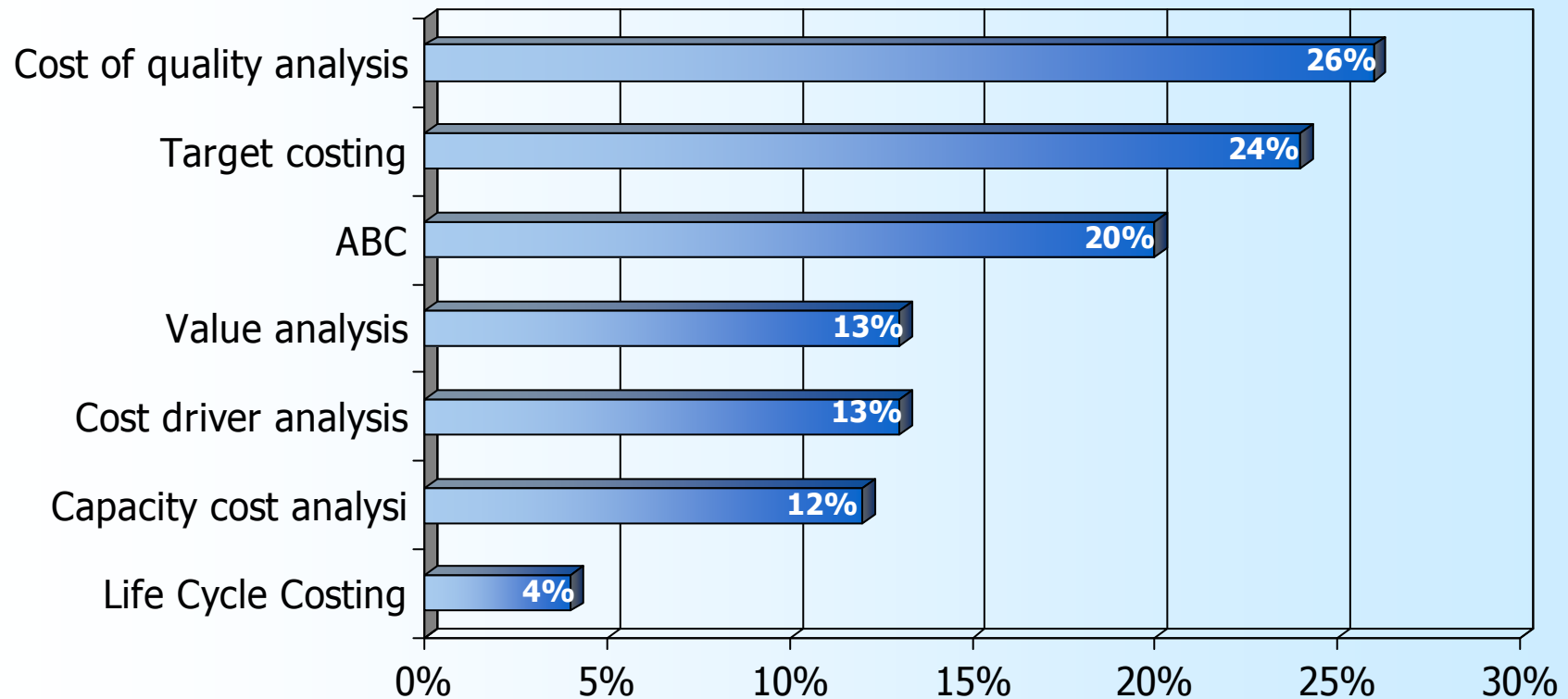
Network Cost Management: KSF



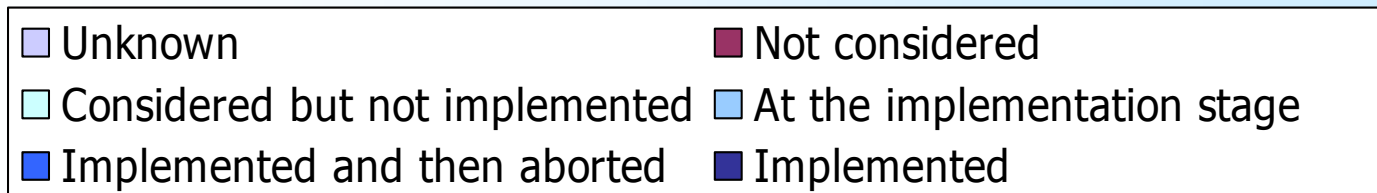
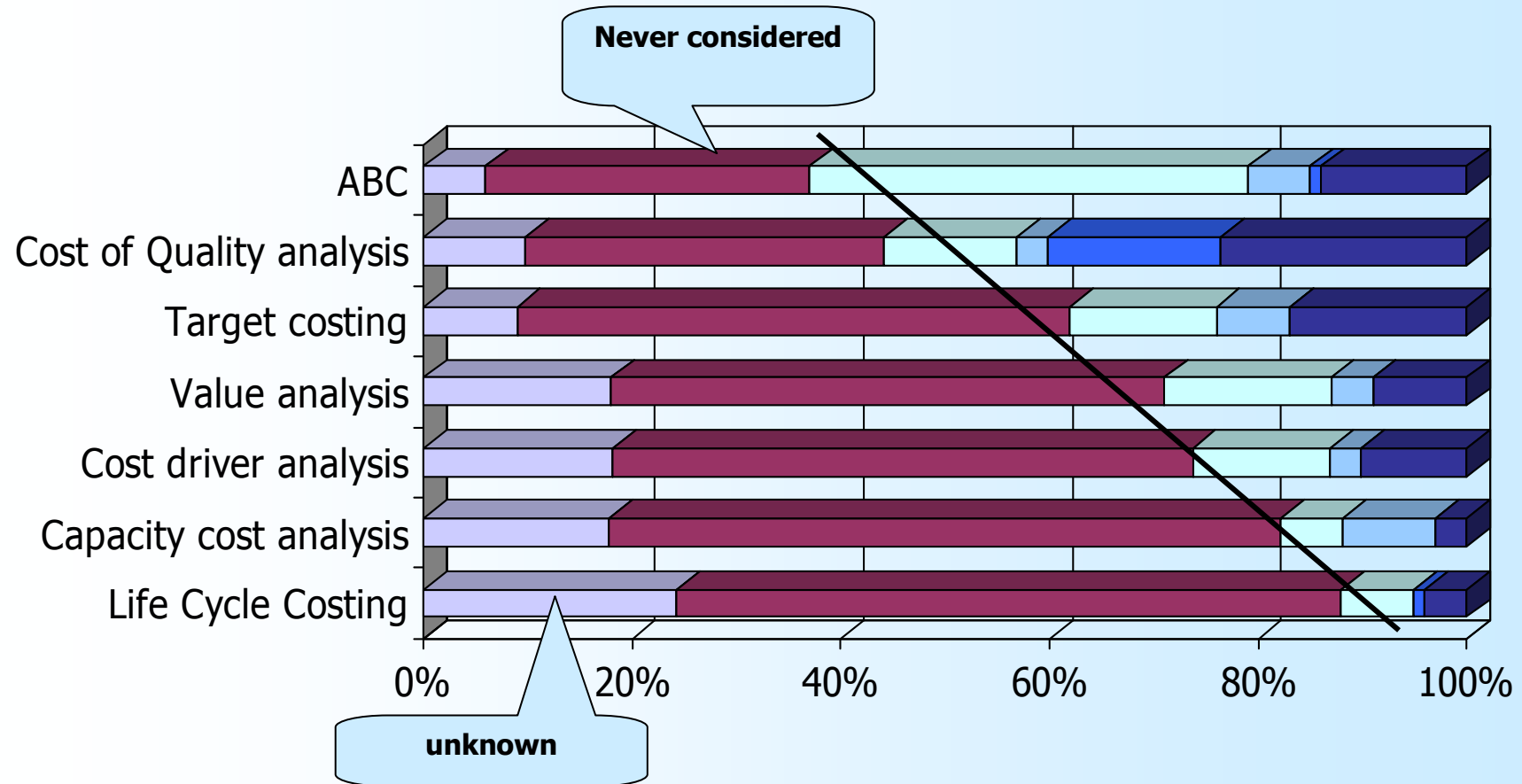
The practice of cost accounting

Advanced Cost Accounting Systems Implementation

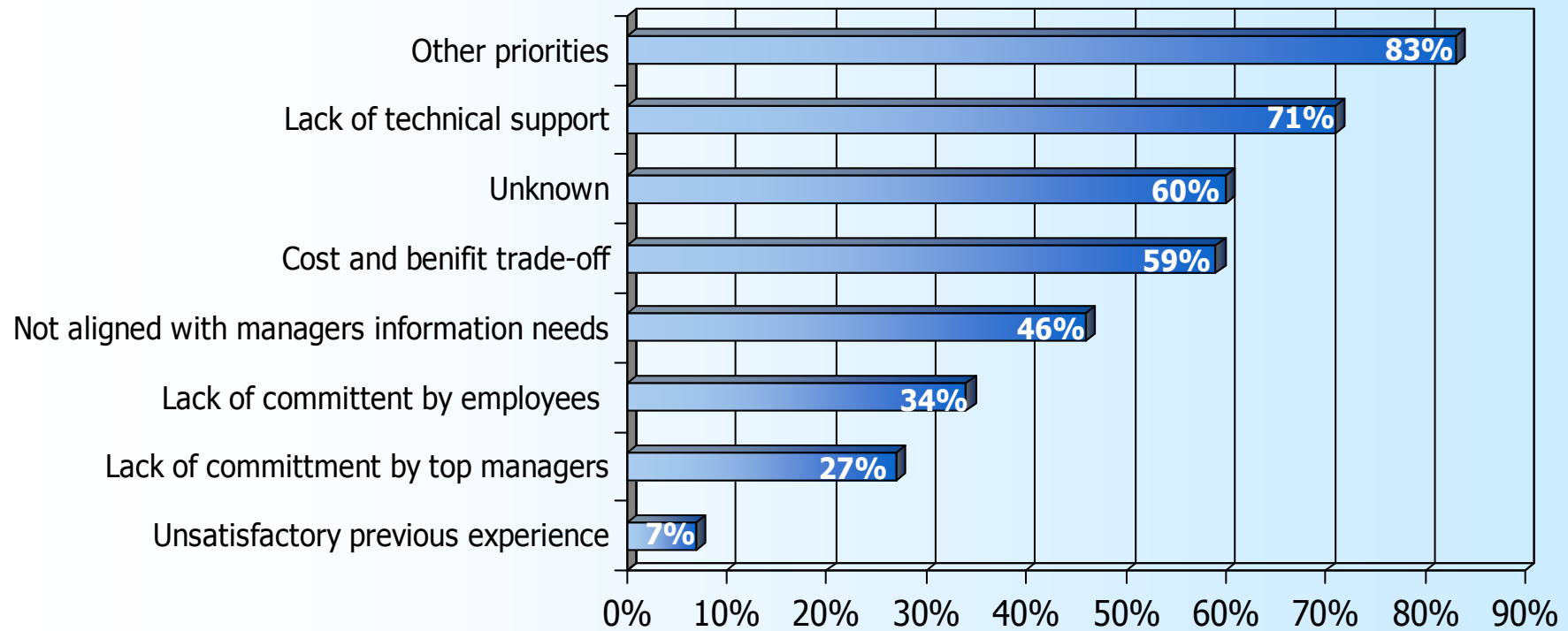
(implemented or at the implementation stage)



Cost accounting techniques

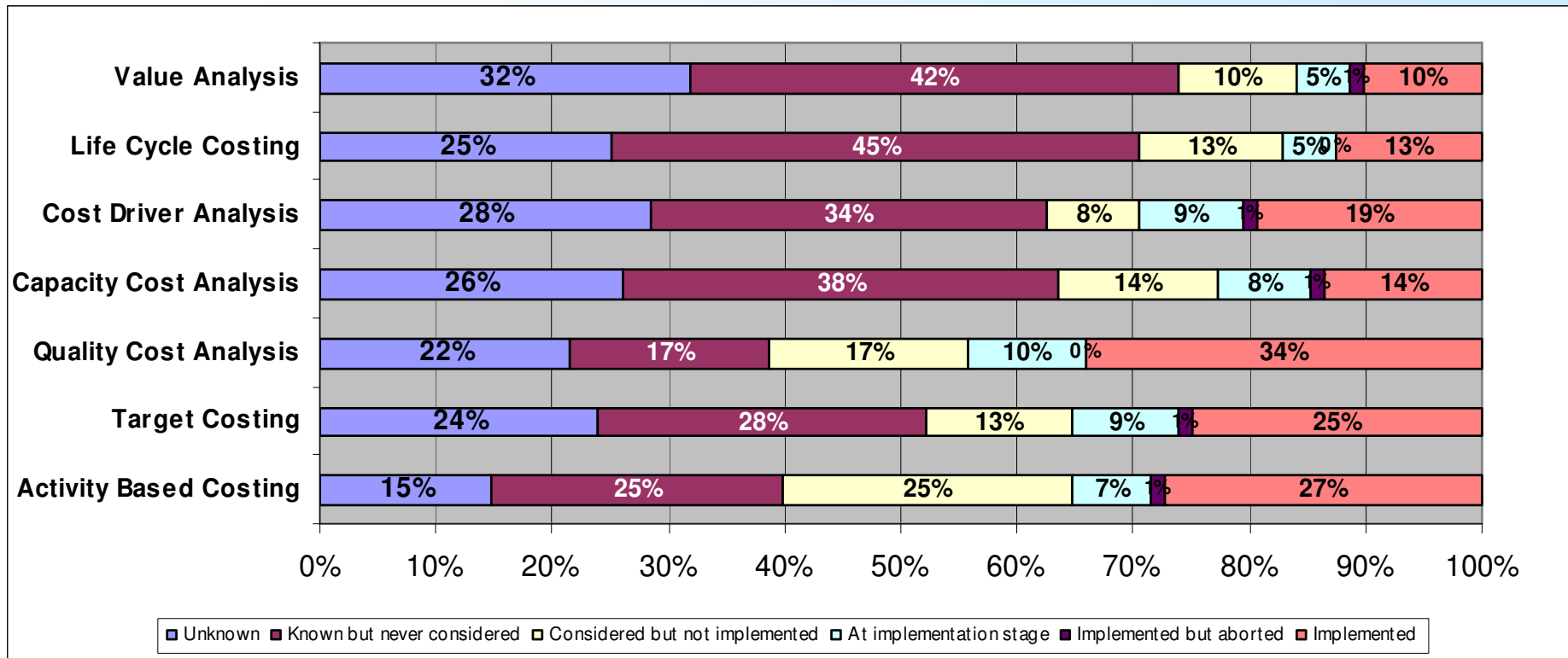


Causes of not implementation



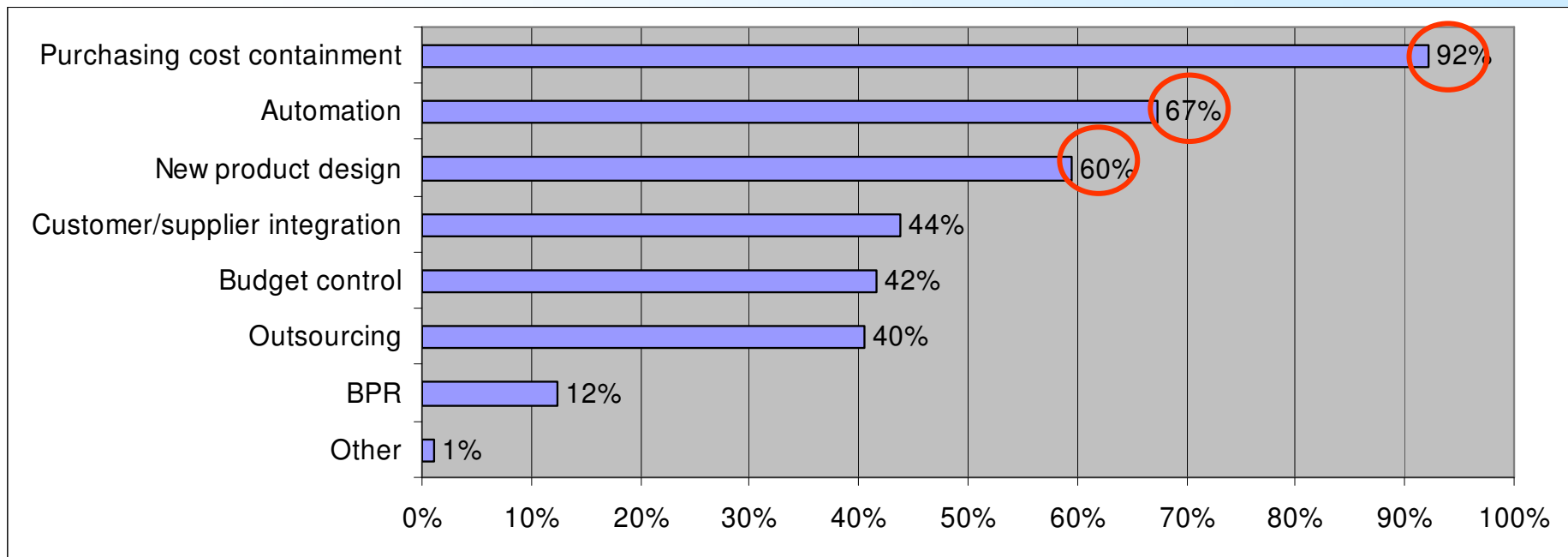
The practice of cost management

The practice of cost management



- There is still a gap between theory and practice
- Focus is on ABC , TC, COQ
- Specific and more innovative techniques are not known or taken into consideration

The practice of cost management



The practice of cost management: the lean management view

- Cost reduction not always works well for companies focus on LM goals
- In lean organizations “design new products and BPR” are more effective than traditional cost management approaches (budget restriction, outsourcing, purchasing cost reduction)
- “innovative” cost management techniques seem to be more appreciated by lean organizations

Application of SCA

- **SCA and competitive strategy**
- **SCA and the customer focused organization**
- **SCA and the business process reengineering**
- **SCA and Lean Management**
- **SCA and the networked organization**
- **SCA and the Knowledge-based strategy**

Strategic Cost Analysis Research “tools”

- **ABC/ABB/ABM**
- **Cost driver Analysis**
- **Process Value Analysis**
- **Profit Potential and Value Multiplier Analysis**
- **LCC/TCO/EVC**
- **Value chain analysis and Network cost management**
- **Benchmarking and competitive cost analysis**
- **Target Cost Management and Value analysis**
- **KPI/PMS/BSC**
- **...**

Is the relevance lost?

The importance of Cost Analysis Research

- **Cost information can be a powerful source of competitive advantage as it can improve the effectiveness of (strategic) management decision making process**
- Leveraging cost along the value chain significantly increases profit gains
- The more competitive the marketplace the less well traditional (SCA) companies perform
- Modern Cost management techniques are a potential value driver for traditional companies
- Consequences of using CM techniques need to be further investigated
- Gap continues to persist between emerging CM theory and practice

Strategic Cost Analysis: research trends

- Cost management practices
- Cost management practices/initiatives effectiveness
- Post implementation cost management initiatives
- Cost management along the value chain, value system and industrial districts
- ...



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