













While designing use cases for value constellations...

Concerns are:

- Multiple enterprises: in case of conflicts no central decision taking authority
- Multiple stakeholders: often confusion about which product/service we offer with whom, long before talking about IT
 - What is an ISP?
- Short timeframe: ~weeks available for designing a constellation offering a particular service (time to market)
- Economic & technical feasibility

Source: Financial Times, e-procurement, Oct. 2000



A conceptual, lightweight model of the value constellation is needed ...

- Representing a precise and shared understanding of the value constellation
- Allowing easy communication (graphical)
- Allowing for checking common business rules facilitating executive decision making:
 - Profitability, "one good turn deserves another"
- Being sufficiently lightweight
- Being a starting point for Information Systems development:
 e.g. for assessing technical feasibility





A value use case says something

about ...

- Who are the **actors** (enterprises and final customers) involved?
- What do they **transfer of economic value** to each other, and what do they request **in return** for that?
- Why do they transfer these values? To satisfy a **need**
- What activities do they perform to produce/consume?
- A value use case ≠ business process use case:
 - No time-ordering in a value use case
 - Actors are of a different kind
 - Only transfers that represent **direct** economic value in a value use case



A first value use case in <i>e³value</i> "The Business Case" Sell "waste" energy Farmer												
Consumer (Houshold) kwH	rment (M (Electri	icity]	Suppli Farm	ier .er))	Legen	nd Actor Market segment	Value interface Activit	v Consumer need	Value Transfer Connect. element	AND element Boundary element	OR elemen Value object []	t l
A	B	С	D		E	F	G					
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2 {Liectricity,MONET}	Electricity	(all transfers)	20	0000	0	20000						
4 in: N	IONEY	MONEY	20	0000	0.13	26000						
5						20000						
6 INVESTMENT						0						
7 EXPENSES						0						
8 total for actor							26000 🖵					
IN A → N Formulasheet actor_Supplier(Farmer) (ms_Consumer(H					A	В	C	D	E	F	G	
				Value	Interface	Value Port	Value Tra	nster Occurrenc	es Valuation	Economic Val	ue Total	
					±r,⊨iectrici	ny) out: MONEY	MONEY	20	.00 0.43	-2	160	
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				total fo	nr actor						-260	•









In sum:

Context and problem understanding are required to find IS use cases

- Understanding of the contextual "why" use cases is a necessity to:
 - know that "what" use cases and "how" use cases
- Requires multiple perspectives:
 - Process, value, goal, ...
- Networks of enterprises add a complexity:
 - No centralized decision making



