

## Theme 2: Values and perceptions of ecosystem and landscape services

*org: Joke Luttik and Dolf de Groot*

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**Research objective:** to quantify the importance (value) of ecosystem and landscape services and measure the added-value for people and the economy at different scale levels.

	<i>Topic</i>	<i>Speaker</i>
14:00	Introduction of the main knowledge questions	Dolf de Groot
14:15	Business location choice and green-blue functions	Joke Luttik
14:35	Nature management costs of Natura 2000 sites	Anjo de Jong
14:55	Discussion + "selection" key research questions (till 15:30)	



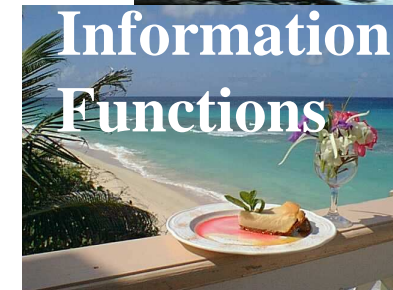
# Kosten van natuurbehoud in Nederland: 1 miljard (2003)

voor verwerving, inrichting  
beheer en "overige" kosten  
-> 60 Euro pp/jaar

De baten ?



Ecosystem  
**SERVICES**



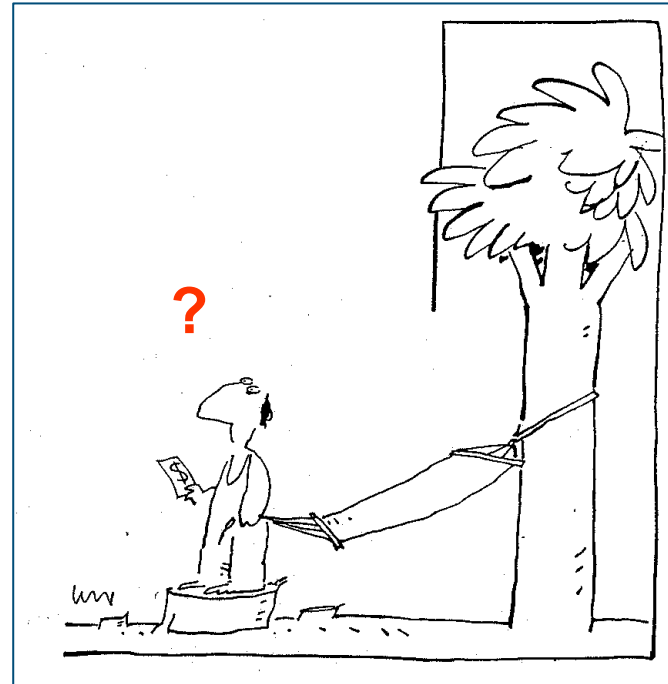
**Economische  
(& financiële)  
waarden**

# Values and perceptions of Ecosystem & Landscape Services

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Still much debate and confusion ...

Only economic values?  
And what are they?



Cover WWF-booklet „Real Value for Nature“(1995)

Role of monetary valuation  
(and how determine?)

And what about  
Ecological values?

Economic = socio-economic?



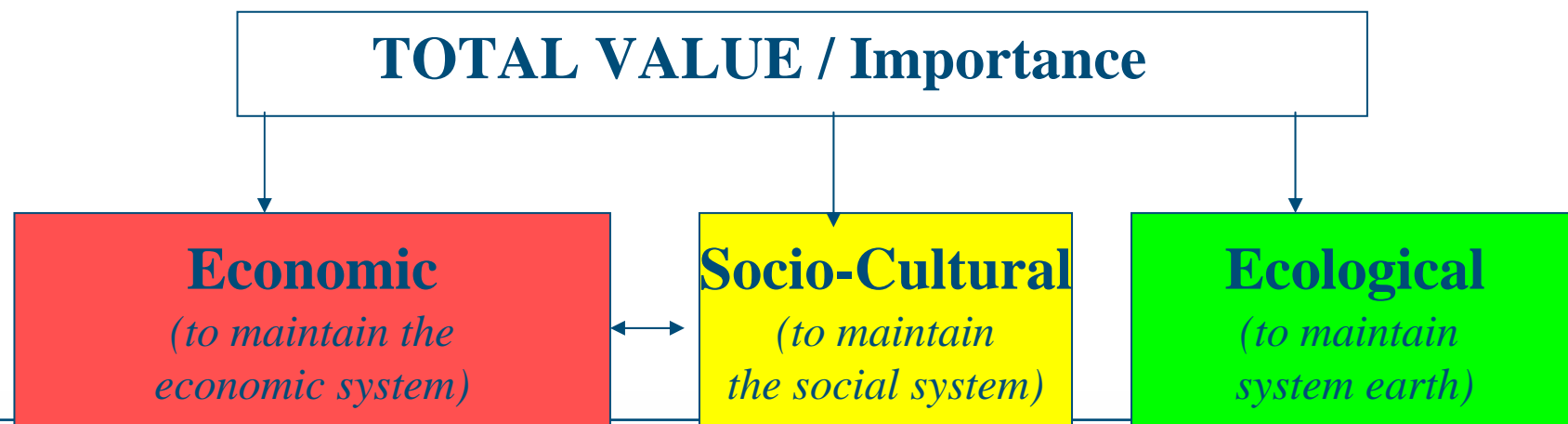
# What IS Value (and valuation)?

**Value** (*Oxford Dictionary*):

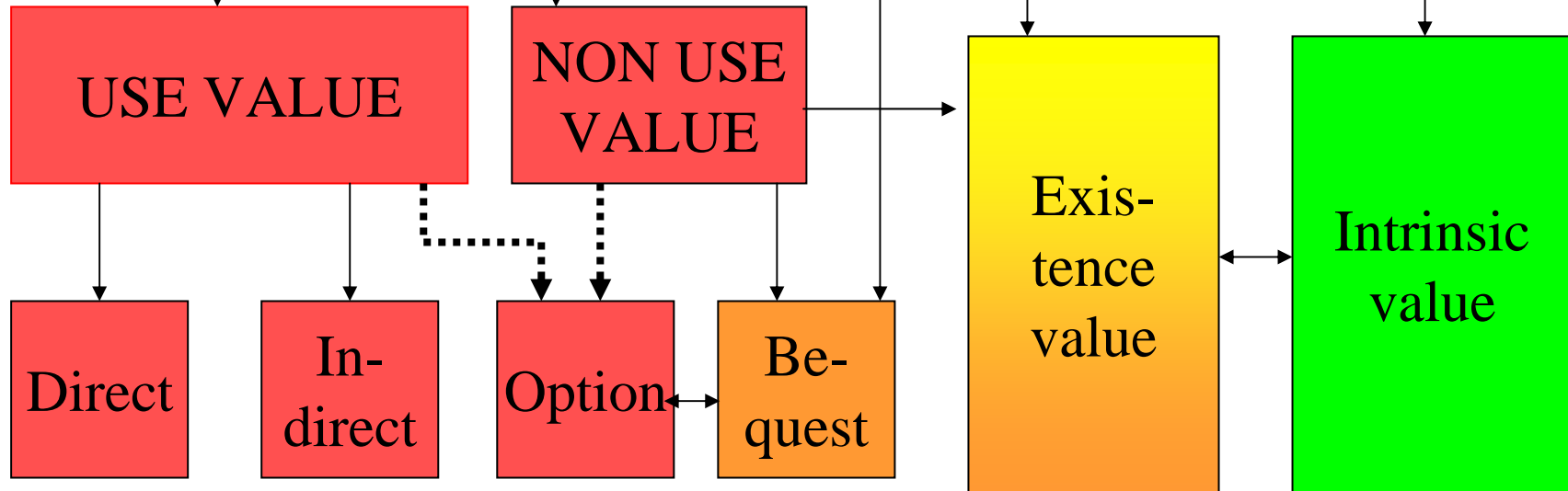
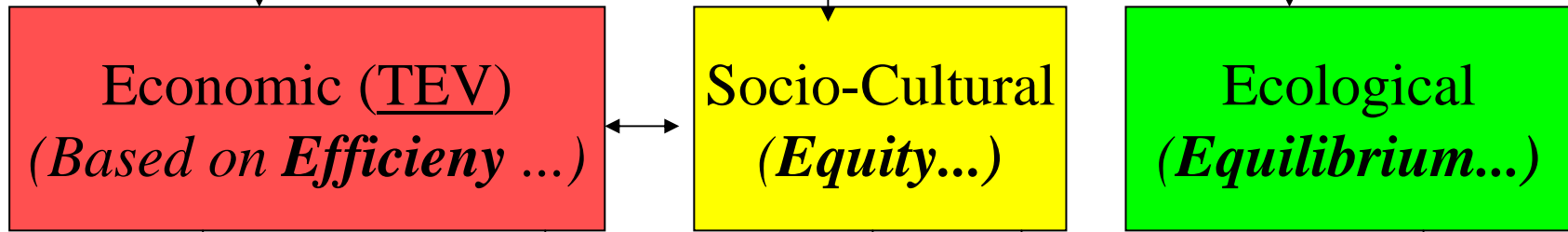
- 1) **Exchange value** (in open market [= *market price*])
- 2) **Utility** (= use value) [*price <-> value paradox*]
- 3) **Importance** (appreciation) [*emotional value*]

**Valuation:** “The process of expressing a value for a particular good or service ...in terms of **something that can be counted**, often **money**, but also through methods and measures from **other disciplines** (**sociology, ecology**, and so on)”

*Millennium Ecosystem Assessment (2003)*



# TOTAL VALUE / IMPORTANCE



- (non) consumptive use
- Income, Employment
- Other *welfare* indicators
- Ethical consider.
- Social *wellbeing*
- Health (esp. mental)
- Naturalness
- Uniqueness
- Diversity

## Key questions identified by Participants and by Steering group / from lit.

		Vote
<b>a</b>	<b>What are most appropriate (economic) valuation methods (“TEV”)?</b>	
1	Is it possible to express ELS in such terms that they can ‘objectively’ be compared to ‘productive functions’ of land?	
2	Valuation and (financial/economic) evaluation of interventions in agro-ecosystems (also theme 5)	
3	Different types of E&L services and their marginal benefits compared with marginal cost of delivery	
4	How to make valuations consistent ?	
5	Interdisciplinary, participating valuation	
6	In what way can indicators (e.g. “Kentallenboek”) help determine the value of E&LS and how can aggregation steps be dealt with?	
<b>b</b>	<b>Societal value of E&amp;LS / influence of perceptions (“TSV”)?</b>	
	There are many views on the value of landscapes. How to bring these views together?	
	Societal Value of Soil Ecosystem Processes	
	Aggregation of use and non-use values (Total Social Value)	

