



Yesterday the world changed...



Healthcare: by 2050, 50% of the developed world is expected to be chronically ill. In both developed and emerging markets demand for healthcare is growing and the COStS and social impact becoming unsustainable





Smart grids, e-mobility, waste-management, healthcare: System Transformations require new ecosystems with public & private organizations





Engaged managers and entrepreneurs combine doing business with creating a

better world





















Solving societal challenges

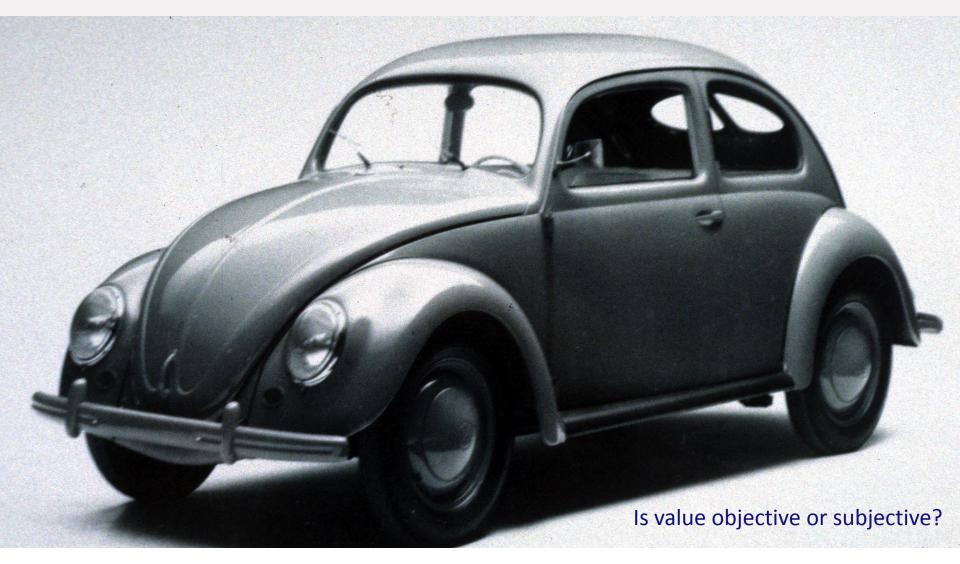




Talking about 'value'...



Philosophy: are things valuable because we cherish them, or do we cherish them because they are valuable?





Economy: exchange value, surplus value and wealth

[Pine & Gilmore, The Experience Economy, 1999]



Harvested beans = \$0,01/cup







Roasted, grinded, packed & distributed = \$0,05 - \$0,25/cup



@ Café Florian, San Marco, Venice = \$15,00/cup

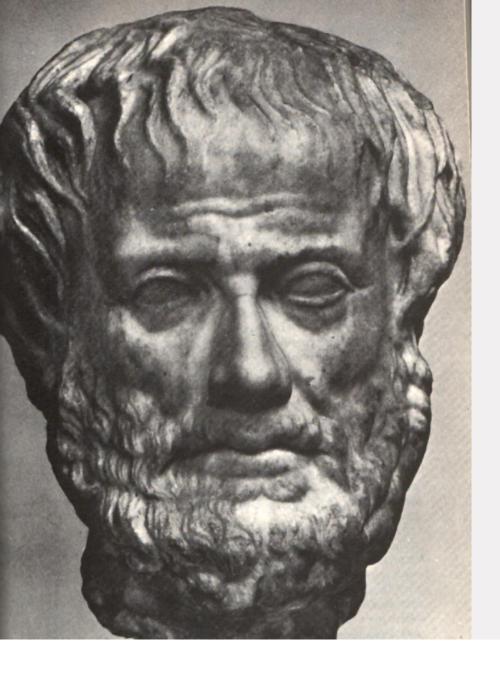


Heightened ambience = \$5,00/cup



Brewed = \$0,50/cup





Artistoteles οικονομία

"the art of living and living well"

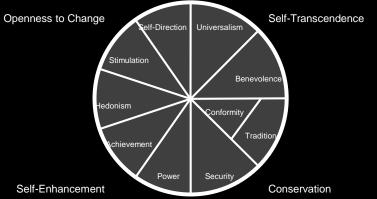
"the art of money-making"



Psychology: well-being, happiness and motivational values



- a pleasant life
 life of enjoyment positive feelings and emotions that are part of healthy living
- a good life
 life of engagement beneficial effects of flow (positive match between strengths and tasks)
- a meaningful life
 a life of affiliation contributing to something larger
 or more permanent





Sociology: well-being, happiness and motivational values



Symbolic value

the value of honour

Sentimental value

the origin matters





Absolute, transcendental value

not for sale – 'the fear of loss'



Ecology: phenomena in the physical and biological environment of organisms that affect their Survival in the broadest sense

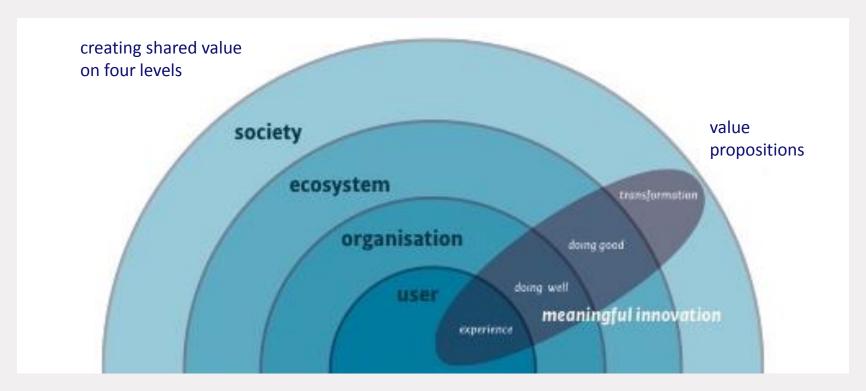




Creating meaningful value propositions



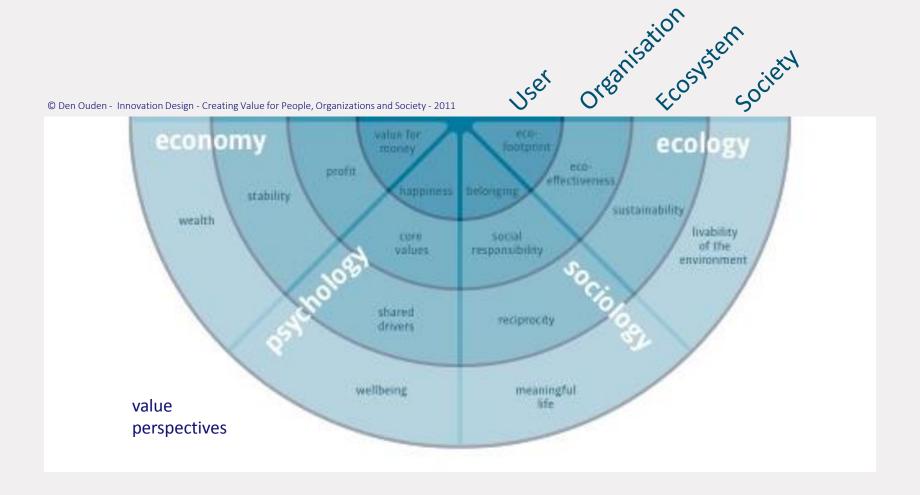
Meaningful innovations



© Den Ouden - Innovation Design - Creating Value for People, Organizations and Society - 2011



Value perspectives





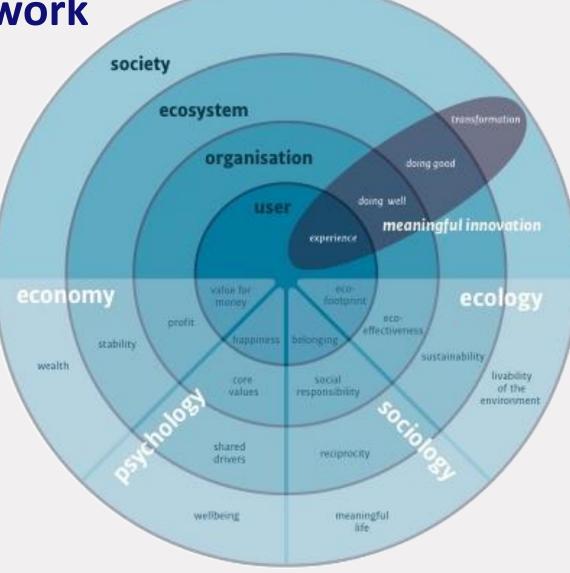
The Value Framework

Creating Shared Value

by integrating value perspectives



Innovation Design: Creating Value for People, Organizations and Society. Springer Science+Business Media BV. ISBN 978-1-4471-2267-8. 2012.





Collaboration beyond business partnering



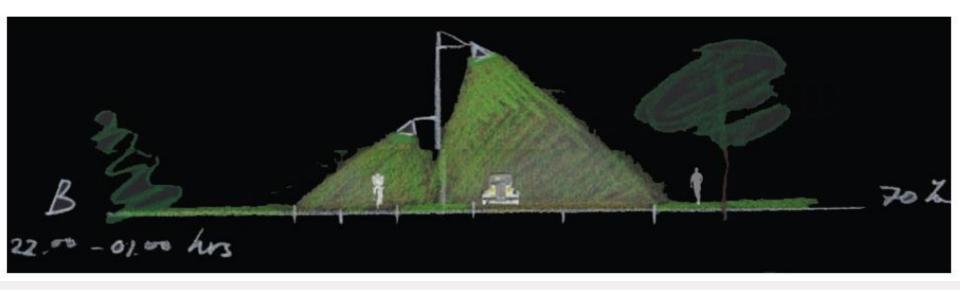


Example Zilverackers: bicycle path in ecological zone



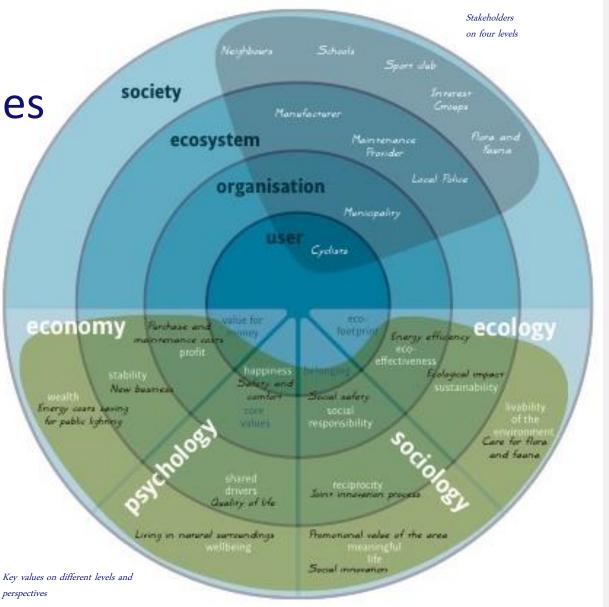








Stakeholder values for Zilverackers





Shared value for different stakeholders





Commuters, e.g. schoolchildren



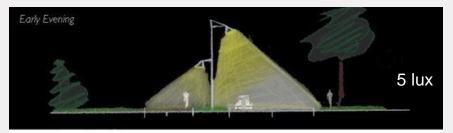
Animals & plants, and e.g. athletes

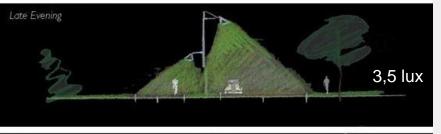


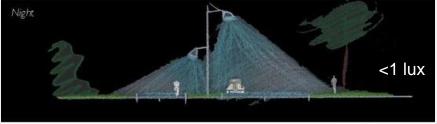
Wildlife, and occasional cyclists

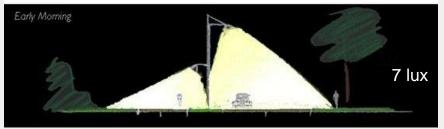


Commuters, e.g. schoolchildren





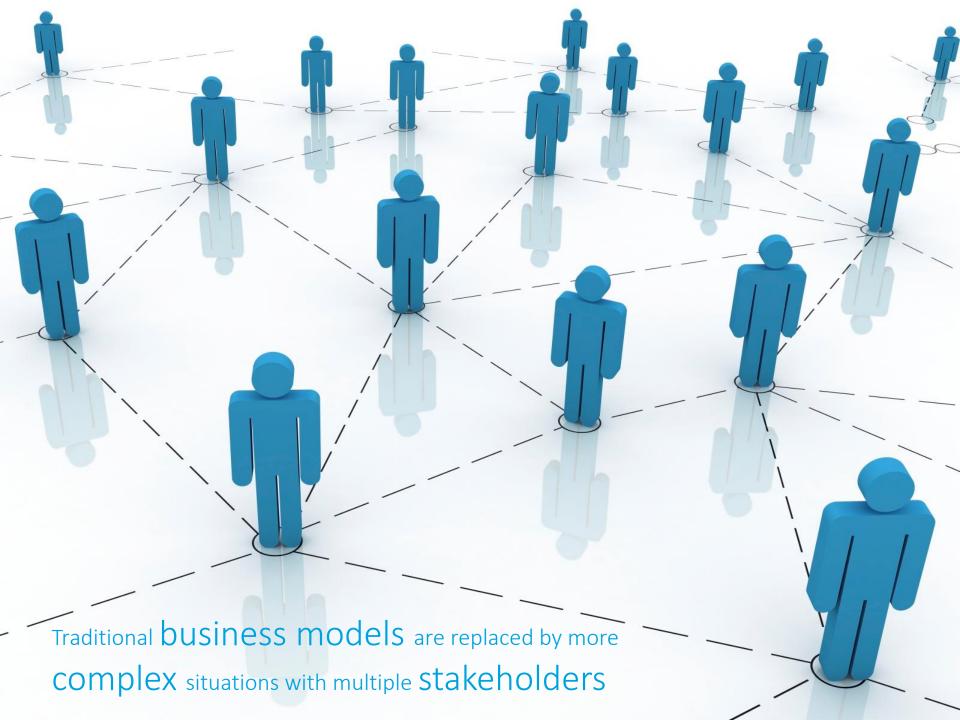






Designing ecosystem





Stratumseind

Defusing escalating behaviour through the use of interactive light scenarios



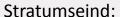






DE-ESCALATE: Light as mediator







Defusing escalating behaviour through the use of interactive light scenarios





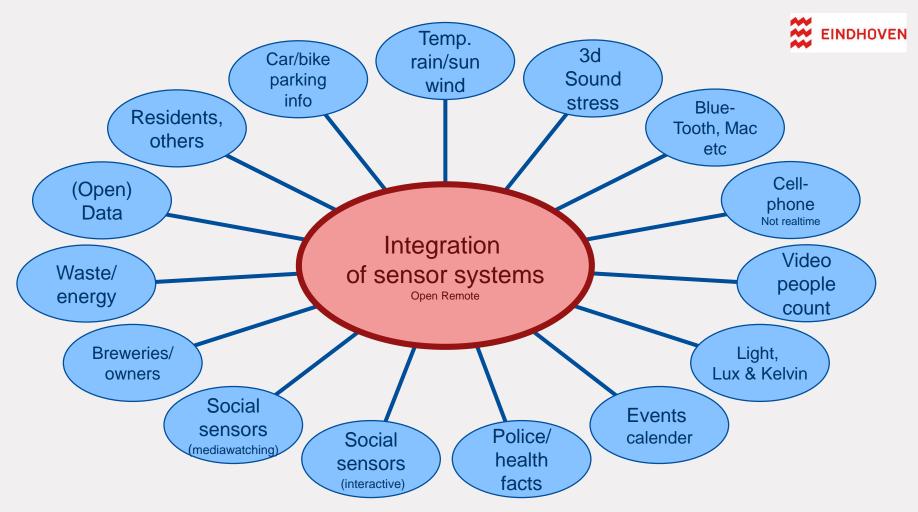








Living Lab - Sensor system integration





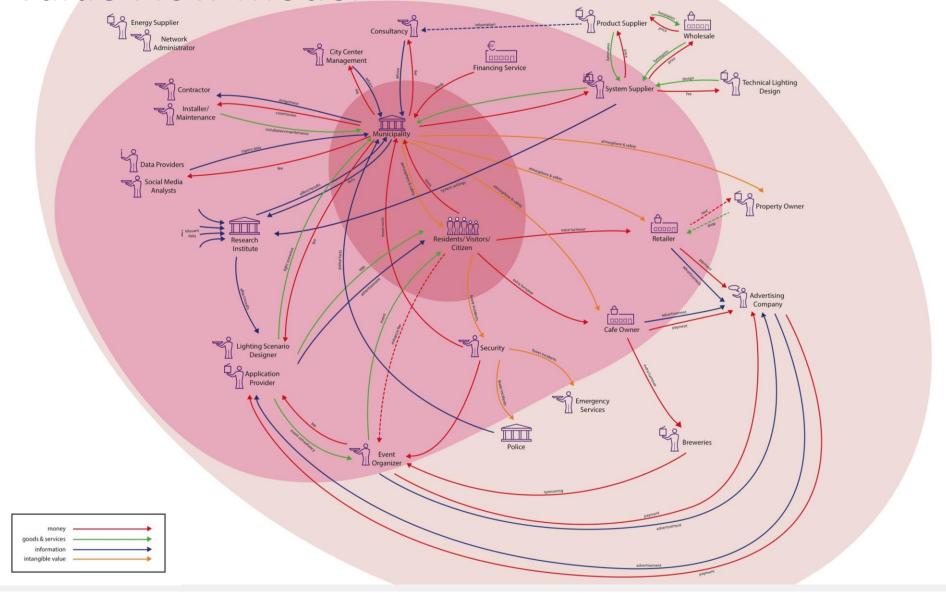
LivingLab Cockpit/Basecamp







Value Flow Model





Real time data visualisation

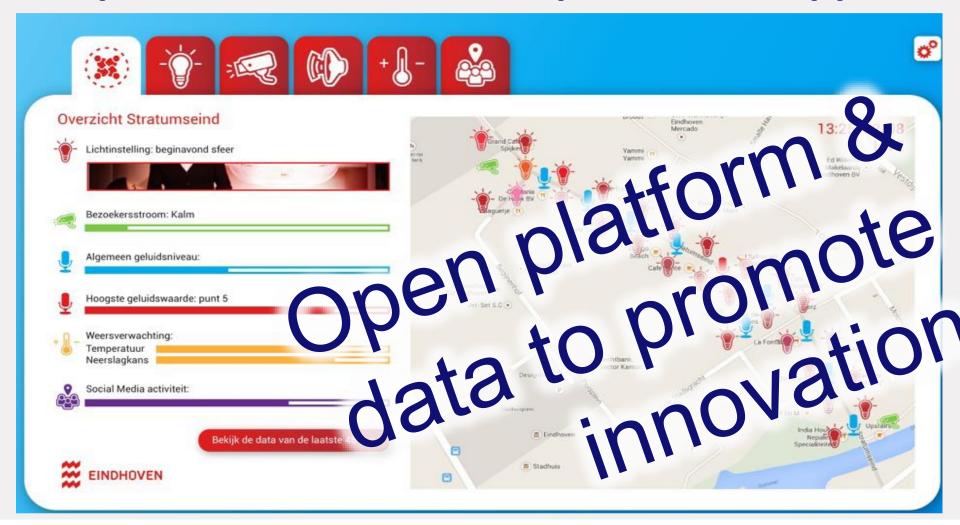
PHILIPS

Work in progress





Open source web-based platform & apps





Principles Data in Public Space



a.	Data residing in the public space (further on: data) belong to everyone. These data are an asset of the public. Data that are collected, generated or measured (for example by sensors that are placed in the public space) should be opened up such that everyone can make use of it for commercial and non-commercial purposes. While doing so, privacy and security aspects should be taken into consideration.
b.	Data may contain personal information. These data can therefore impact the private life of individuals. The rules specified in the Personal Data Protection Act are applicable here. These data may only be opened up after they have been processed (for example, by anonymization or aggregation) such that there are no privacy threats anymore.
C.	Data which do bring privacy or security risks along may only be used according to the privacy legislation. Storage and processing of these data should be performed according to the existing legislation.
d.	Data that do not contain personal information (anymore) should be placed such that everyone can access these data in an equal manner (for example, through an Open Data portal). We call this "opening up" the data. There should be no technical or juridical obstacles that limit, discriminate or block access to data.
e.	Data are always opened up free of charge, without unnecessary processing (as much as possible in a raw form) and according to the functional and technical requirements that are yet to be defined.
f.	A distinction is made with regard to personal data (such as an e-mail address or payment information) that are collected with full awareness and after an explicit consent of the individuals. Use of these data is defined by an agreement between the parties involved according to the rules of privacy legislation (such as an end user agreement).
g.	The city authorities always have an insight into which data is collected in the public space, independently of whether these data can or cannot be opened up.
h.	The city authorities keep an ongoing dialogue with the parties that contribute to the development of data infrastructure in the city and strive to create earning opportunities and a fruitful economic climate.



Changing scope and changing role

'Smartest region in the world' through triple helix collaboration



Active orchestration of regional ecosystems for knowledge cocreation and exploitation enhanced by a 'smart specialisation strategy'



University's role:

- business innovation
- human capital development
- community development
- institutional capacity of the region

Source: Markku Markkula and Hank Kune. Smart Specialization and the Role of Universities in Regional Innovation Ecosystems. Technology Innovation Management Review October 2015 (Volume 5, Issue 10).





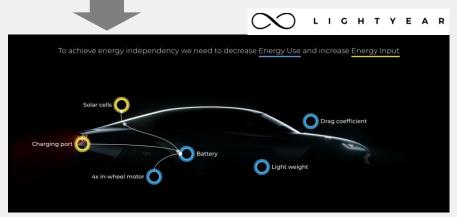


TU/e innovation Space

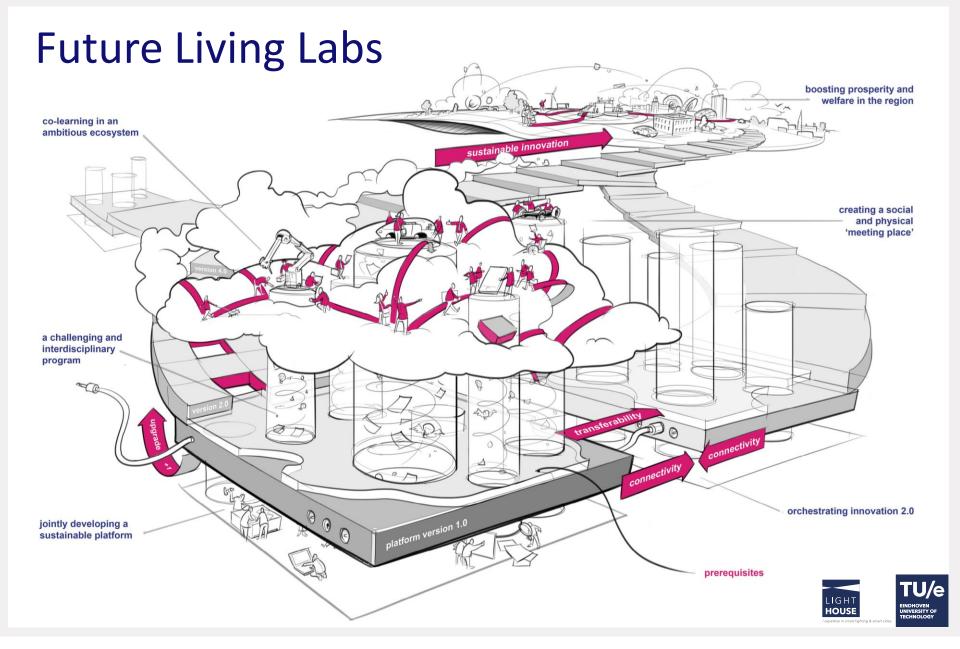
Educating engineers for the Future:

- Interdisciplinary
- Hands-on
- Entrepreneurial
- System thinking











For more information

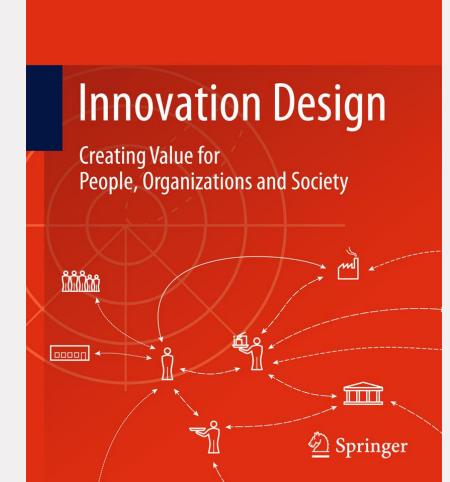
References, explanations and examples can be found in the book:

'Innovation Design', November 2011

Available from:

Springer.com and online bookstores

www.elkedenouden.nl



Elke den Ouden

