

Sustainability

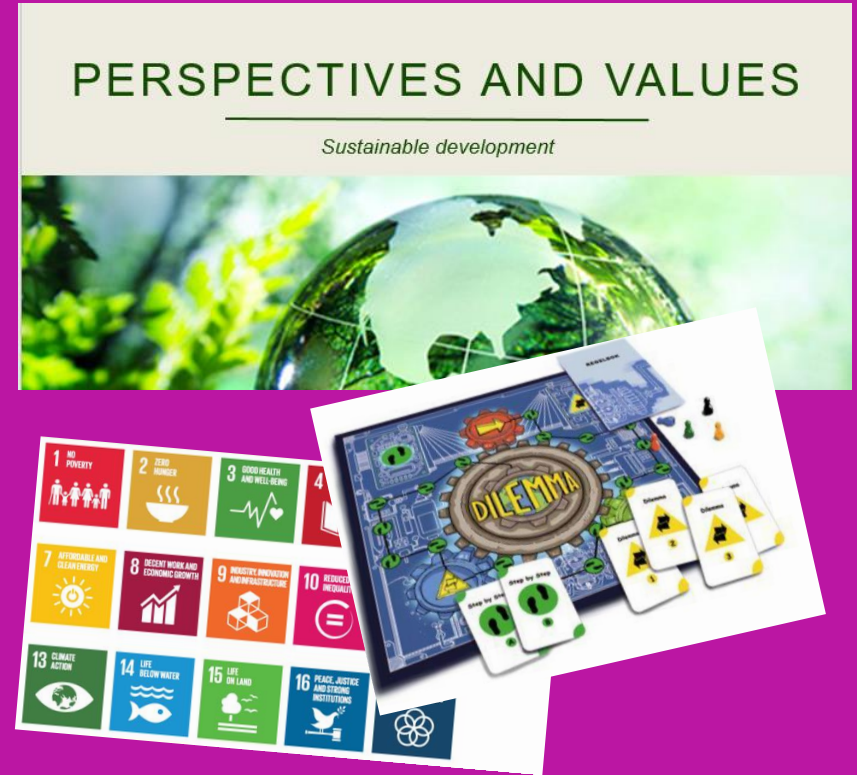
Perspectives and values

WAT-E1100

Meeri Karvinen Oct 5 2022



Aalto University
School of Engineering



Agenda for the morning

9.00 - 9.30 Environmental management, values and perspectives
- What is the connection?

9.30 - 10.00 Insights on our common future: 30 min video by Arthur Keller

15 min break

**10.15 – 11.00 Joint exercise related to the video &
Introduction to the Thematic Task**

Learning objectives

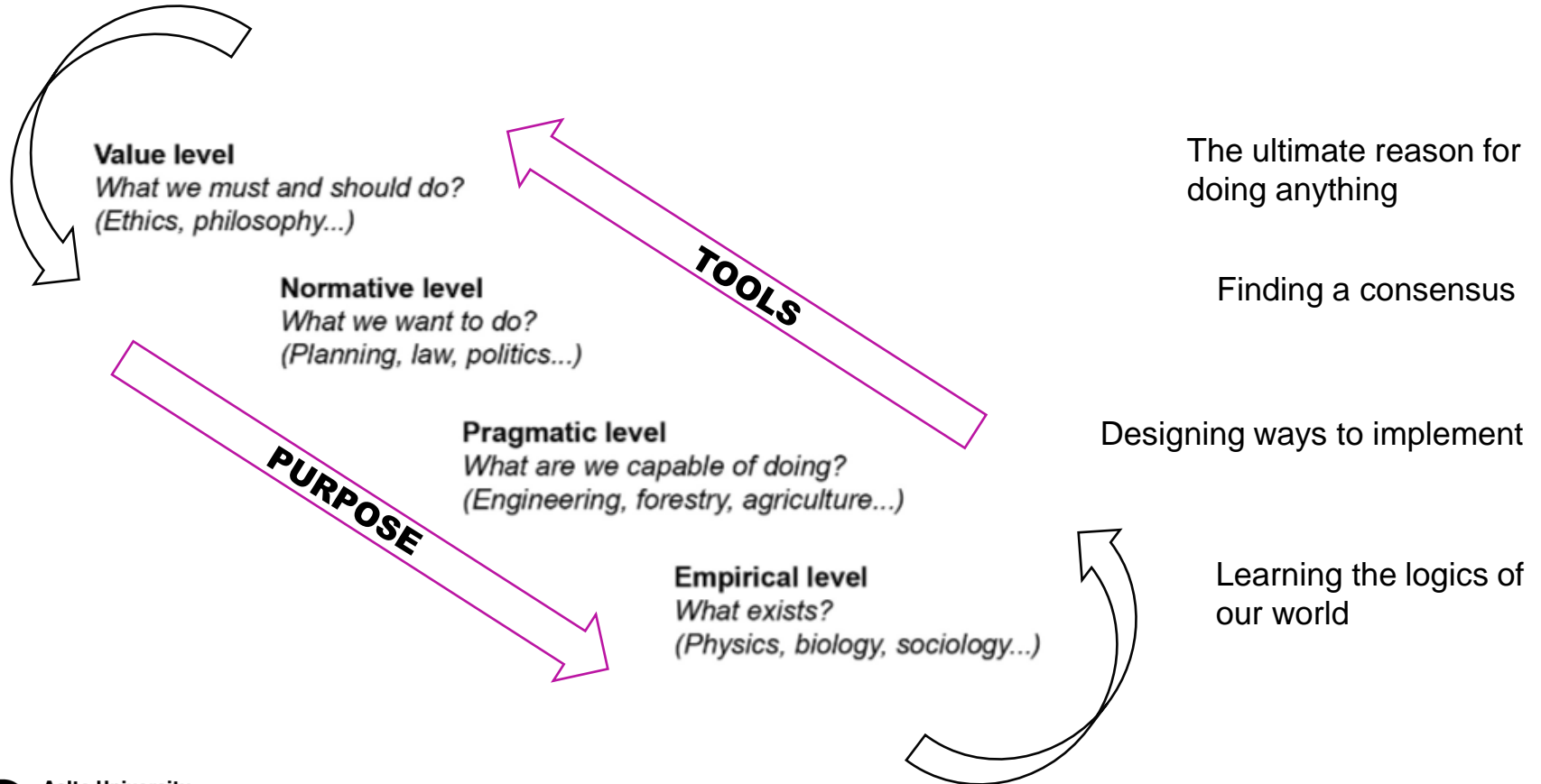
After the following 3 days you should be able to:

- reflect on the role of values and perspectives of sustainability in environmental management
- define, explain and be able to use sustainability vocabulary and relevant facts in writing and conversation
- formulate well supported arguments for various viewpoints
- make reasonable estimates on the order of magnitude to questions about global development
- critically review arguments and show respect to people with opposing opinions



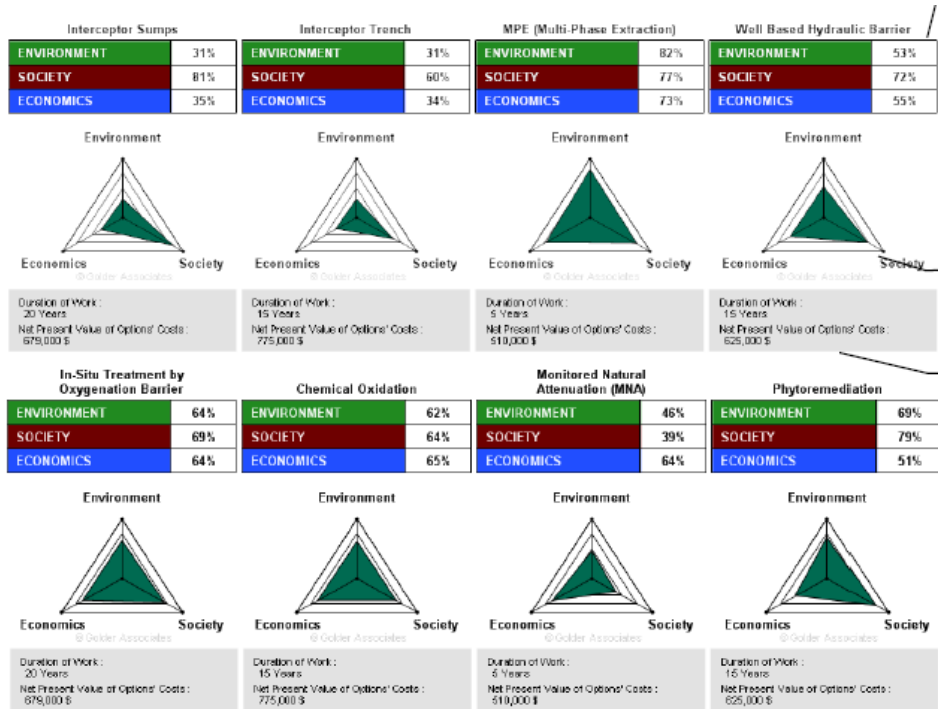
Values and perspectives in environmental management

Transdisciplinary view on values

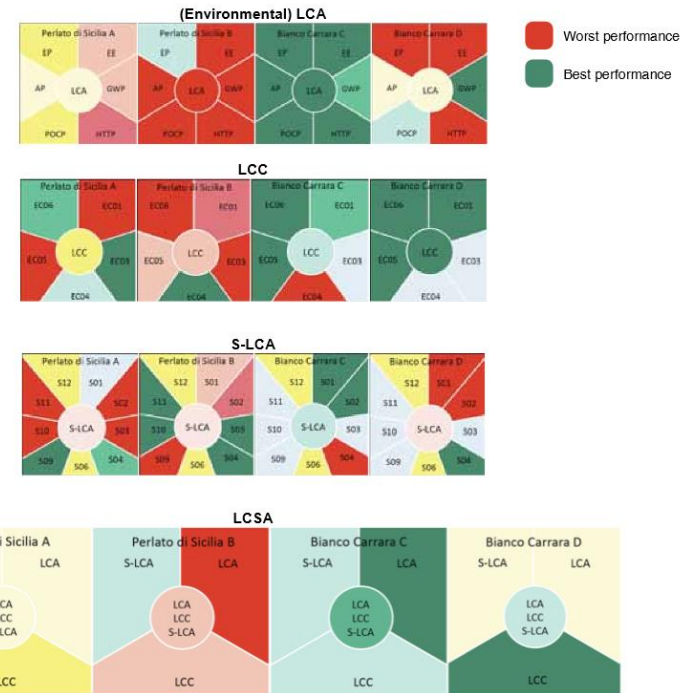


Environmental management

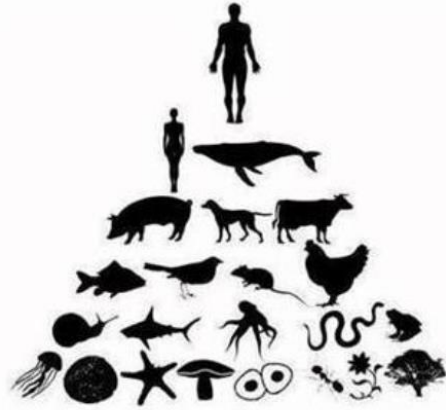
GoldSET Tool, MCDA Summary table



Lice Cycle Sustainability Analyses Tool



All decisions are influenced by worldviews and values



World as a resource
“Anthropocentric”

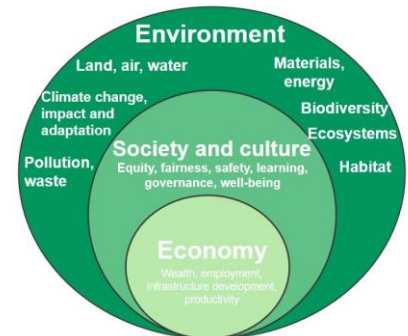
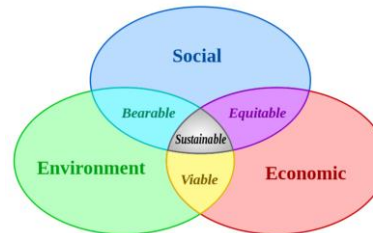


Interconnected



Regenerative

“Ecocentric”

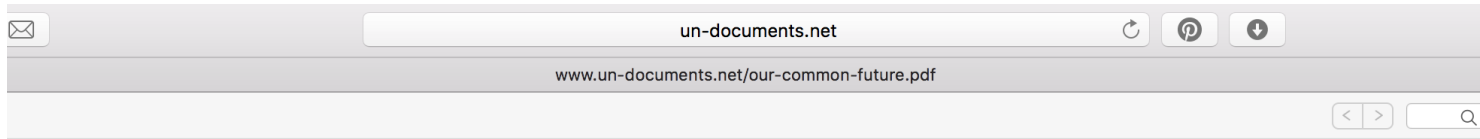


hearings it was the young, those who have the most to lose, who were the harshest critics of the planet's present management.

3. Sustainable Development

27. Humanity has the ability to make development sustainable to ensure that it meets the needs of the present without compromising the ability of future generations to meet their own needs. The concept of sustainable development does imply limits - not absolute limits but limitations imposed by the present state of technology and social organization on environmental resources and by the ability of the biosphere to absorb the effects of human activities. But technology and social organization can be both managed and improved to make way for a new era of economic growth. The Commission believes that widespread poverty is no longer inevitable. Poverty is not only an evil in itself, but sustainable development requires meeting the basic needs of all and extending to all the opportunity to fulfil their aspirations for a better life. A world in which poverty is endemic will always be prone to ecological and other catastrophes.

28. Meeting essential needs requires not only a new era of economic growth for nations in which the majority are poor, but an assurance that those poor get their fair share of the



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What is a necessity?



A photograph showing two police officers in high-visibility vests and blue uniforms restraining an elderly woman with white hair and glasses. The woman is wearing a red jacket and a blue jacket. They are in a grassy field with some trees in the background. The text "Ecocentrism v.s. Anthropocentrism" is overlaid on the image.

Ecocentrism v.s. Anthropocentrism

Our common future

COLLAPSE : THE ONLY REALISTIC SCENARIO ? (A. Keller) [29:10].

The video: 1) prepares you for the board game debating and 2) provokes thoughts about sustainability visions that are closely related to peoples' differing perspectives.

Pay attention to the following:

- Is the speaker (and his message) convincing? Why, why not?
- What kind of arguments he uses to make his point?
- Do you agree or disagree with his conclusion? Why?
- What do you think about the other scenarios presented in the video – and have you heard of any other scenarios different from them?

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Our common future - reflections

1) Discuss in groups (15 min):

- Is the speaker (and his message) convincing? Why, why not?
- What kind of arguments he uses to make his point?
- Do you agree or disagree with his conclusion? Why?
- What do you think about the other scenarios presented in the video – and have you heard of any other scenarios different from them?

2) Individually (5 min):

Write down three emotions (in separate posts) you are feeling after the video and the group discussion

**3) Pick the one you think is the strongest and bring it to the board
→ our shared feeling cloud**

Argumentation, some points

- **Citing and facts to strengthen the credibility of your message**
- **Examples to showcase what the things your write/speak about could mean in practice**
- **Narratives engage the reader/listener and facilitate delivering your key message**
- **Metatext (or speech): taking the reader/listener into account by shortly stating what will happen next/ referring to what was just discussed**
 - Depends on the text style how much repetition is tolerated
 - Metatext about what is coming is suitable to all styles

Thematic Task: sustainability dilemmas

The Thematic Task has two parts:

- 1) **Preparatory individual assignment with 3 sub-tasks**, submission before Thursday's game seminar (DL 6 Oct at 12.00)
- 2) **Follow-up assignment**, submission by Friday (DL 7 Oct 18.00)

Grading of both parts:

- Fail (-> the submission needs to be totally revised)
- Needs additional work (-> the submission needs to be revised for some parts)
- Pass (accepted submission)

This week's Thematic task is done in two parts:

- 1) Pre-assignment with three sub-tasks (individual): done **before** Thursday's Board Game seminar
- 2) Follow-up assignment (group/individual): on Friday, **after** the Board Game Seminar

Grading of the Thematic Task

Both parts of the Weekly Task have to be successfully Passed in order to pass the whole Task. The grading scale for both parts of the task is the following:

- Fail (-> the submission needs to be totally revised)
- Needs additional work (-> the submission needs to be revised for some parts)
- Pass (accepted submission)

If you received a grade "Fail" or "Needs additional work" from either of the parts, or even both, you will have to revise your submission(s) according to the feedback you got, and re-submit within one week (supplementary DL; adjusted according to the date you get your feedback).

Passing requires answering all the sub-tasks in an appropriate way (= following the given instructions). Reflect on your thoughts and opinions and learnings, write full sentences and flowing text. Reflections "I liked it" or "I didn't learn anything" are not enough. In your reflections, think about answering questions "why", "what" and "how".

I have provided recommendable word counts for each sub task. However, reflecting even more profoundly and exceeding the given length does not affect your grade. On the other hand, if your submission meets the given length but the content is vague, you might be asked to revise it and re-submit the task. So pay attention to the quality of your reflections and not that much on the number of words!

1. Preparatory assignment, DL Thu Oct 6 @ 12.00 ▾

Wed / afternoon – Thu / morning

Board game seminar Thu 13-16.30 ▾

2. Follow-up assignment, DL Fri Oct 7 @18.00 ▾

Friday (group discussion on Thu)

Preparatory assignment, summary:

1. **Watch the Video lecture:** *Write down three most important things brought by the lecture that provoked your own thinking and give short explanations on why you chose those things.*
2. **SDGs – select three:** *Write a brief description of the three goals you have chosen. Also write a short reflection of why you think that these goals engage you the most.*
3. **Preparing for the debates:** *Choose 2 topics and write arguments for and against, according to the instructions. Voluntary part: Browse through also other debate topics, make notes and bring them with you to the game seminar on Thursday.*

See you tomorrow at 13.00 with all kinds of Dilemmas!

