

# TDDE32 Workshop

By

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# Aims of this workshop

- Create an awareness of the different aspects of writing that you need to consider to write well in an academic context
- Establish a methodology for giving peer response that will make it possible for the writer to improve his/her text.

# Part 1 Sustainability

1. Explain using both general terms and by referring to specific, scientific studies, the challenges that humanity currently faces.
2. Provide a coherent view of how ecological, social and economic dimensions relate to one another.
3. Explain what we know about the consequences of failing to meet some of the major societal challenges. Give examples related to climate change, wealth and income etc.
4. Explain what it means that some of these problems pose genuine dilemmas, reconciling what we do know of the consequences of, for example, climate change and biodiversity loss, and unknown future states for societies.

# Part 2 – Societal problems and IT in society

1. **Agenda 2030** states 17 goals for how a sustainable society should look.
2. There are valid differences of opinions for how to solve larger problems, and different perspectives on the relative importance of technology, economy and social changes.
3. In your text, choose a new IT solution (e.g. app, technology, etc) that promises to solve a societal challenge.
4. Use the SCOT-tool in Bijker, Hughes and Pinch (1987) or other literature on SCOT-analysis to discuss the potential for this solution.

# Part 2 - Questions to consider

1. In what ways is the IT-solution affecting the society (target group(s), inclusion/exclusion of users, indirect and direct affect)
2. What conditions are necessary for this solution to succeed?
3. Why is this solution successful, or not? In what ways could the solution contribute to solve societal challenges?
4. What are the potential negative side-effects?

Make use of the literature and material provided thus far, and find your own, relevant scientific studies to support your arguments.

# Comments on Structure

# Text organization

- The introduction must provide a context and background for the main issues that the text will raise.
- The text must be based on a clear thesis, which should preferably be explicitly expressed in the introduction.

# Structural Problems found

No real introduction to the essay.

This essay will discuss the following points regarding sustainability: .....      .....      .....

Or

In the article.....by..... discusses the complexities of trying to achieve a sustainable society in today's world. Sustainability means.....

End this paragraph with a lead into the next paragraph: The essay discusses the various dimensions of sustainability as well as eluminates consequences and dilemmas that will most likely occur if we fail to meet the societal challenges of our day.



# Riddled with headings and subheadings

This is not a report – this is an essay. Paragraphs need to flow into one another as one continuous unit.

See ppt slides (25 onwards) – regarding paragraphing.

No need for so many headings – unify your ideas – connect your paragraphs to each other.

New instructions: 3 essay – (part 1&2) (part 3&4) (part 5)

# Provide background

Sustainable development is the main challenge that humanity is and ~~will~~ be facing during the 21th century. † will first define sustainability and sustainable development, then † will explain the reasons why this concept exists and finally † will discuss ~~about~~ the issues and the dilemmas **it [?]** creates.

How would you rewrite this?

# Text structure

- **Paragraph one:**
  - Humanity is facing many environmental problems but sustainable development will solve these problems.
  - The paper will explain what sustainable development is and how it will resolve environmental problems.
- **Paragraph two:** Presents authors' description of sustainable development
- **Paragraph three:** The most serious environmental problem is global warming. Explains global warming.
- **Paragraph four:** Rejects the idea that we go back to a pre-industrial society, and promotes the idea that we need to come up with smart solutions that achieve sustainable development but allow us to maintain our current way of living.
- In the next section discussion surrounding IT technology can help solve societal challenges (Leads you to part 2)

# Language Comments

Read your essay aloud to allow your ear to help you!

# Language: General Comments

In ?? 1990s the “ecological footprint”, which focused on the relation?? between the population footprint and the amount of land and water area to build sustainable society. (Can you fix this sentence structure error?)

An IT-solution that have existed for a while but today is very relevant.

~~In first hand~~ — First/Firstly

Use the following equation:

Spell check for words/typos such as these:  
on/one, us/use, a/an, its/it's

# Example 1 – Introduction – part 1

Over the lifespan of the planet earth, the climate ~~have~~ **has** changed drastically back and forth. There ~~has~~ **have** been multiple **time ages** [?] and periods of extreme heat if we look at the whole history. In the ~~recent~~ **last** million ~~of~~ years, there has been a relatively stable cycle of ice ages and warmer periods. Today, we are in one of these warmer periods; however, we can see some differences from the previous periods. In the last 200 years humans have affected this natural cycle by, among other things, releasing an unusual amount of carbon dioxide and methane gas into the atmosphere [1]. Together with ~~a~~ large scale harvesting of the world's forests, which has an important ~~roll~~ **role** of converting carbon dioxide into oxygen, this cycle is changing. **This creates major challenges if we want to continue to live (sustain life) on this planet and still develop as people. (works as the lead into the body of essay 1)**

# Example 2

## Sustainability perspectives of a future Computer Scientists

Sustainability is a word and idea that often comes up in today's media landscape. On news and media platforms, pictures of melting icebergs and burning forests ~~is~~ **are** displayed with **a increasingly** higher frequency as each year goes by. ~~The~~ Climate change ~~are,~~ **by many**, said **by many** to be the biggest challenge we as humans ~~stand against~~ **face** ~~within~~ **in** the **(up)coming** years. It's a challenge with many **angles** [**? dimensions**] and perspectives, making it a highly complex one to **tackle**. Both policymakers and industries are going to play a large role in solving this complex challenge, which in the end will ~~permeate~~ **affect** most employees and professionals in their work. (works as a transition into the next section)

# Punctuation

- In a world of constant evolvement and new technology the need for human life to be sustainable is bigger than ever.
- In a world of constant evolvement and new technology, the need for human life to be sustainable is bigger than ever.



# The use of commas

After eating the lions yawned and then dozed.

After **eating**, the lions yawned and then dozed.

On the left walls of sheer ice rose over five thousand feet into the clouds.

On the **left**, walls of sheer ice rose over five thousand feet into the clouds.

# Placement of commas

- And the assumption can be made that, that number is only going to increase.
- And the assumption can be made **that that** number is only going to increase.
- It means ~~that~~, we will be late.

# Semicolon

- *There were three new delegates at the meeting: Ms. Barbara Smith from Boulder, Colorado; Ms. Beth Waters from Omaha, Nebraska; and Mr. James Papson from Greenwood, Arkansas.*
- Apart from the climate; our current way of living causes other challenges in our society such as undistributed wealth, conflicts and women's rights.
- Apart from the **climate**, our current way of living ~~causes~~ **creates** other challenges in our society such as undistributed wealth, conflicts and **women's rights [? gender inequality]**.

# Semicolon ;

- *I can see no remedy for this; one can't order him to do it.*
- *I can see no remedy for **this. One** can't order him to do it.*
- *He knew everything about me; I knew nothing about his recent life.*

# Vagueness/vocabulary

“Human civilization has progressed a lot in the last 200 years”

- What does "a lot" mean? From what reference point and with what base line?
- What does progress mean in this context? Reduction of poverty, decreased mortality rate?

# Vagueness

“The ideal solution to solve problem of global warming is to completely stop the activities that cause global warming”

The ideal solution to solving the problem of global warming is to completely stop the activities that cause global warming

# Solution to

- *solution* + preposition *to* + noun phrase
- the solution to **the problem/cases of truancy/the war in Ukraine**
- *solution* + preposition *to* + *ing*-form verb
- the solution to **generating more electricity/managing nuclear waste.**

# Redundancy

- The ideal solution to solving the problem of global warming is to completely stop the activities that cause global warming
- The ideal solution to global warming is to completely stop the activities that cause the problem.



# Vocabulary

- Sustainable development
  - Sustainability development
- 
- Sustainable development = a development that is sustainable
  - Sustainability development = the development of sustainability

# The use of articles

- Since industrial revolution, humans have emitted more greenhouse gas (CO<sub>2</sub>) in the atmosphere than for the most of the recorded history.
- Since the industrial revolution, humans have emitted more greenhouse gas (CO<sub>2</sub>) in the atmosphere than for ~~the~~ most of ~~the~~ recorded history.

# Academic register

- Be restrictive with the use of self-referencing pronoun “I” in the paper
- Do not make the text a running commentary of what you are doing.
- “Now I will explain the definition of sustainable development”
- “Next, the concept of sustainable development will be defined”

# Use of 'I'

DO NOT use 'I' to focus on the fact that you are expressing your opinions or feeling.

"In my opinion../I believe/

# Avoiding 'I'

- In stead of “I argue that sugar should be taxed “ use:
  - Impersonal “There are arguments for a tax on sugar”
  - Another subject “The evidence shows that a tax on sugar...”
  - Simple statement “Sugar should be taxed”

# The use of references

- Pick a reference system and make sure you consistently follow that system.
- Any information that is not common knowledge or based on your own analysis or research must be referenced
- Avoid non-peer reviewed information
- See my lecture slides

# References

- Do not quote unless it is crucial to include the exact formulation (e.g. technical definition, rhetorical expression)

# Workshop

## **Part one: Peer response on section 1-2 of the essay**

- Have a copy of your text and a copy of your peer's response
- ~~- Give one copy each to the group members that have read and commented on your text~~
- Go through your text together and make sure you understand the comments and make notes how to revise
- Don't restrict yourself to the already written comments
- If the people gave you comments are not present, ask someone else to read your text and give comments



# Peer response

Most important resource to improve:

- receive productive feedback from your peers
- revise with the help of feedback
- Written feedback limited
- Collaborative group discussion are important complements.

# Productive comments

- be specific and detailed
- if possible, indicate a solution.
- include positive feedback but focus on what could be improved
- no false praise

# Unhelpful comments

- Too general
  - Language is good but could be improved
- Self-evident
  - The fact that you use the same font in the entire text makes it easy to read.

# Workshop

- Look particularly at the introduction and the conclusion to each section. Is it clear at the beginning where you will end up.
- Is there some link between the first and second section.

# Peer review from grading criteria

You should separate the section 1 and 2 with heading it will good to understand the idea.

**Text structure and organization:** You have to improve this in and make it the essay organized.

**Argumentation, coherence and development:** You write well and it's easy to understand but little bit confusion in coherence. You use some connectors that make sentence relevant to each other.

**Language and register:** This part is good. It's easy to learn and understand.

**Reference and formatting:** Reference are not in good way. You must follow a cite rule to show reference like Howard style etc.

**Text structure and organization:**

- The essay has an overall structure, with clear paragraphs.
- The sections could have more of an elaborate introduction and conclusion. For example: section one jumps right into what sustainability means.

**Argumentation, coherence and development:**

- The development of the essay is generally clear.
- Concepts are introduced in a natural fashion.
- In section one, reason more about how the different perspectives of sustainability are intertwined. Also, present scientific research that shows what the consequences are of climate change (according to the assignment).
- In section two, you fail to demonstrate the IT systems effect on society using relevant references.
- You have not chosen a technology in you text (section two) and discussed its potential societal benefits and challenges.
- The argumentation is not backed up with sources. Some quotes are referenced but not included in the bibliography.

**Language and register:**

- The language is mostly clear. However, some sentences are hard to understand.
- The essay uses an overall appropriate level of formality. Try to find more appropriate words for “joblessness”, “no cash”, “bite the dust” and “neediness”.

**Reference and formatting:**

- No clear reference system is put in place
- None of the sources are peer-reviewed papers.
- It is unclear where in the text the sources are used.
- Quotes are not referenced

# Workshop

- **Part two: Discussion of the main points of the three articles**
- Read the main points of the other people in your group and the way they refute/support some claims
- Compare among the group what claims you have listed and the claims you have argued for/against
- Do you agree/disagree with the different descriptions of the claims made by other group members. Are the lines of argumentations valid/invalid?