



**ECOLOGICAL  
SUSTAINABILITY**



# What is sustainability?



# Three aspects of sustainability

- Economic development
- Social development
- Environmental development



# What is ecological sustainability?

- <https://www.youtube.com/watch?v=-g21O7a9280>





# Present the four principals of the environmental sustainability

- 
1. Reduce our dependence on fossil fuels and heavy metals.
  2. Reduce our dependence on synthetic chemicals that persist in nature.
  3. Reduce our destruction of nature.
  4. Ensure that we do not stop people globally from meeting their needs.



## Different problems in different countries

Hungary



Germany



Poland



Sweden



Italy





# Sweden - Monocultural forests



# Germany - Deepening the Elbe





# The nature at the Unterelbe

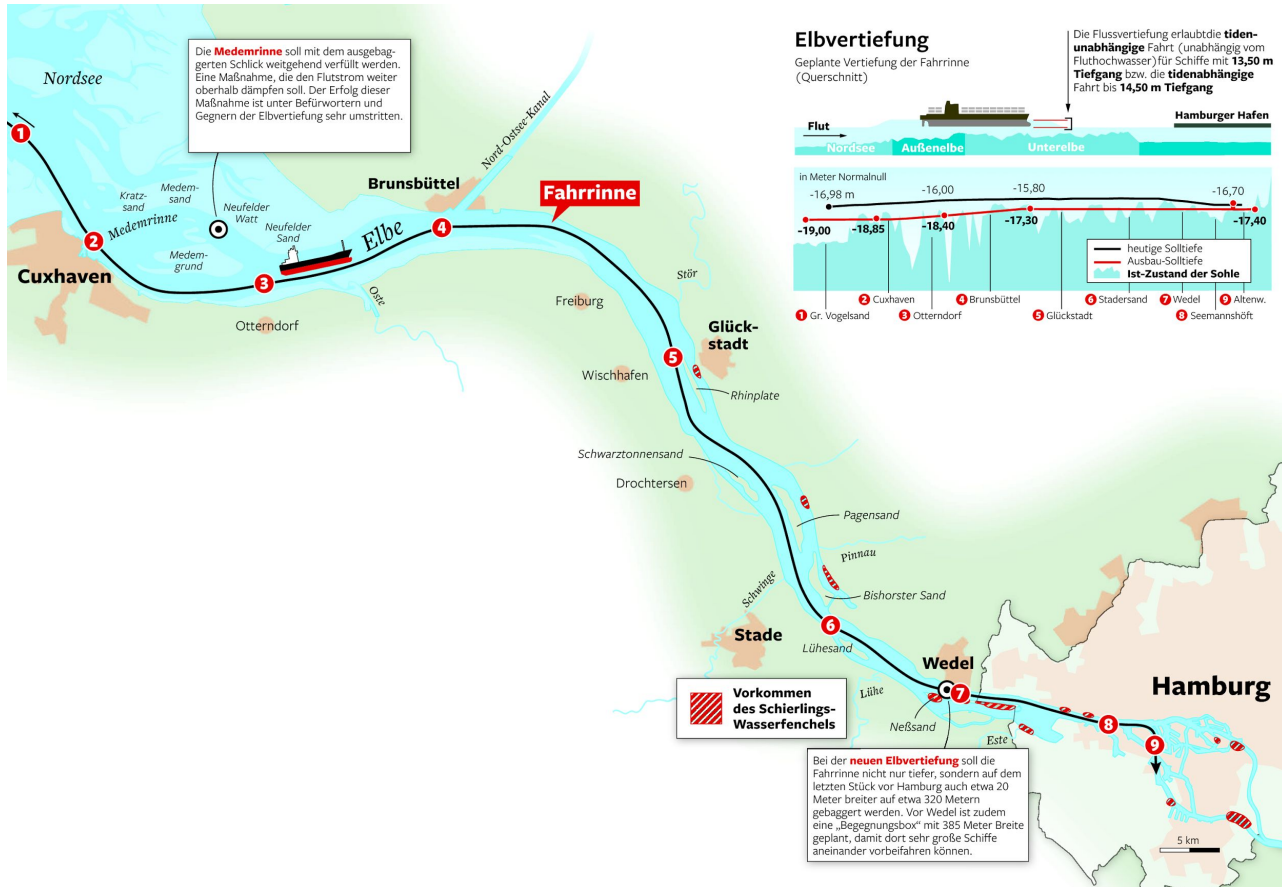


# Deepening the Elbe

- Access for larger container ships to the port of Hamburg → economic interest
- Has already been deepened multiple times







# Poland - Deforestation of The Białowieża Forest





# Hungary - Air pollution



# Air pollution in Hungary

- Causes: fossil fuels
- No wind that moves the pollution and spreads it
- Consequences: sick trees, weakens the immune system, damages the ozone layer
- Debrecen, Miskolc, Eger, Budapest are the most affected
- Solution: use renewable bio-fuels



# Italy - Toxic waste in Naples



# Solutions

- Reduction of waste
- Garbage collection in every house
- Recycling
- Bioexsiccation





QUIZ





# 1

What's the meaning of sustainability?

- A. Things can keep going
- B. To improve something
- C. To protect nature
- D. To stop existing



# 2

From which country did the idea of principles of sustainability come?

- A. France
- B. Japan
- C. Sweden
- D. Spain

# 3

How many principles was the film talking about?

- A. Two
- B. Four
- C. Three
- D. Five



# 4

Which are the three developments?

- A. Economic, Social, Political
- B. Environmental, Social, Political
- C. Economic, Political, Environmental
- D. Economic, Social, Environmental

# 5

What is the problem in Sweden?

- A. Monocultural forests
- B. Toxic waste
- C. Air pollution
- D. Deforestation

# 6

What is the conflict in Germany?

- A. Selling wood vs. the existence of rare species
- B. Air pollution vs. toxic waste
- C. Economic benefits of the port vs. the existence of rare species
- D. Economic benefits of the port vs. air pollution



# 7

What could you do to solve the problems in Italy?

- A. Reduction of waste,
- B. A garbage collection in every house
- C. A recycling and a bio exsiccation
- D. All of them

# 8

Why polish government stopped logging the Białowieża Forest?

- A. Because of the EU intervention
- B. Because of the prime minister's decision
- C. Polish government didn't stop logging
- D. None of them is correct

# 9

Why rape oil could be a great solution for Hungary?

- A. It's renewable
- B. It couldn't be a great solution
- C. It's not expensive
- D. It's not toxic

# 10

Which problems have the biggest consequences?

A. Italy

B. They're all in the same level

C. Hungary

D. Poland

— AND —  
THE WINNER  
*is...*





**Tack!**

**Danke!**

**Grazie!**

**Dziękujemy!**

**Köszönjük!**