

# **Environmental Management Systems**

**BMEGT42A003**

## **Possible test questions from the 1<sup>st</sup> part**

**(lecturer: J.M.Suda)**

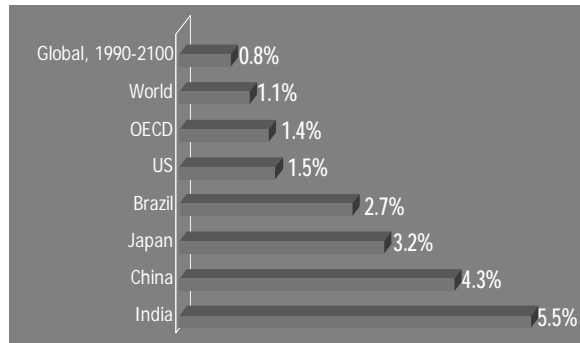
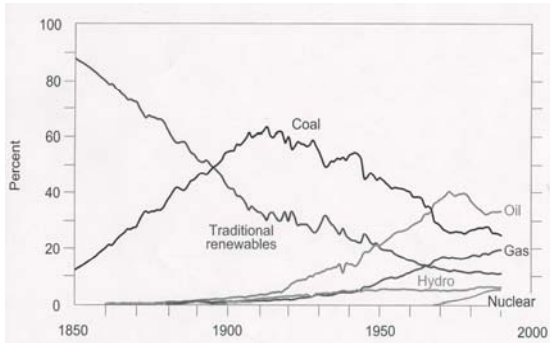
- What are the main indicator parameters of the global changes? (5p)
- What are the two components of the biosphere? Give a short description on the various elements of the components!
- What are the three stages of the environment based on the magnitude? (with examples)
- Give a few examples for the three different stages of the environment based on their magnitude!
- The classic definition of „sustainable development“ is: .....
- What are the 3 pillars of sustainable development?
- What are the 3 main environmental protection activities?
- What are the tasks of the environmental protection activity?
- Please give a definition for “environmental pollution” and for “materials of pollution”!
- Put the following process elements of environmental pollution mechanism in the right order! („emission“, „immission“, „pollutant source“, „transmission“)
- How does the “greenhouse effect” work?
- What are the main greenhouse gases? What are their possible impacts on the atmosphere?
- What is the influence of the greenhouse gases on the climate of the Earth?
- What do you know about CO<sub>2</sub> from the viewpoint of EMS?
- What do you know about NOX from the viewpoint of EMS?
- What do you know about the “footprint concept” and “bio- or carrying capacity”?

- What does it mean: “long term thinking”?
- What are the main key issues of the “Thinking long term” strategy?
- Who are the “main actors”, and what are their role?
- What do you know about the tasks of the “INDUSTRY and BUSINESS” as one of the “main actors”?
- What do you know about the tasks of the “GOVERNMENTS” as one of the “main actors”?
- What kind of main actor is: the Government of Danmark, the City Hall of Budapest, the Hungarian Atomic Power Plant in Paks (Hungary), the Greenpeace, World Bank, UNEP, WHO)

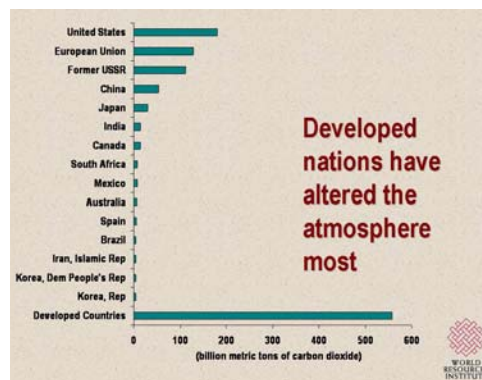
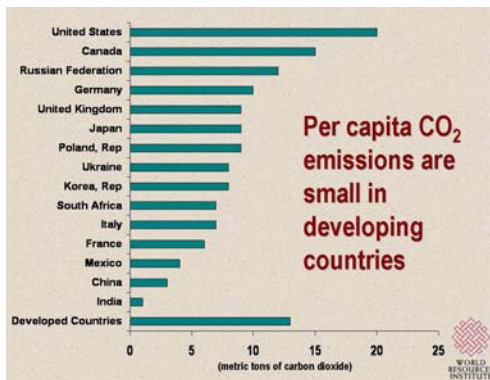
...for additional points:

- Summarize your knowledge about CHINA concerning the topic of the present lecture! (for additional points)
- Summarize your knowledge about USA concerning the topic of the present lecture! (for additional points)
- Summarize your knowledge about continent of Africa concerning the topic of the present lecture! (for additional points)
- Summarize your knowledge about Europe concerning the topic of the present lecture! (for additional points)
- What do you know about the recent tendency of the usage of non-renewable energy sources? (for additional points)
- What do you know about the recent tendency of the usage of renewable energy sources? (for additional points)

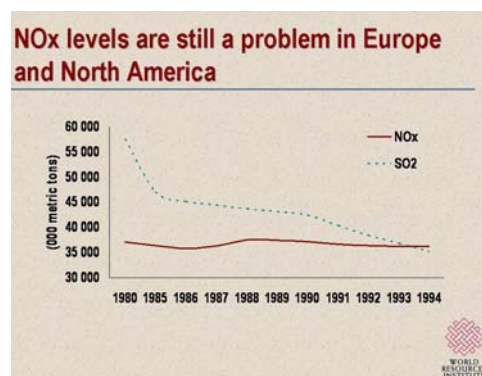
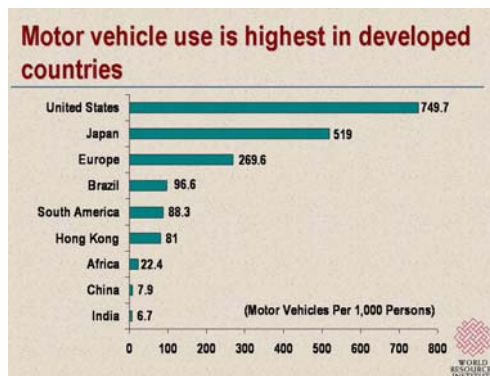
- Draw a short conclusion based on the two graphs below!
  - a) Fossil fuels and other energy sources
  - b) Annual energy growth rates between 1987-1996



- Draw a short conclusion based on the two graphs below!

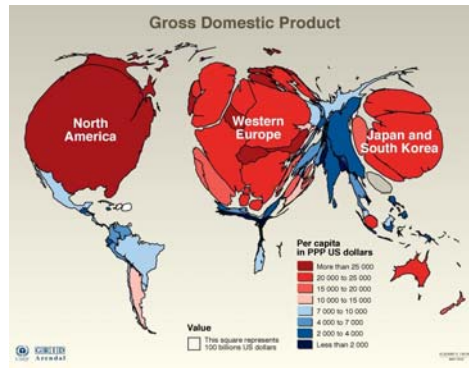
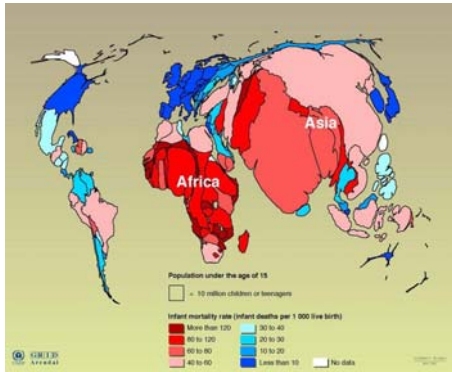


- Draw a short conclusion based on the two graphs below!



- Draw a short conclusion based on the two graphs below!

a) title: Population under age of 15y + infant mortality rate    b) title: GDP per capita

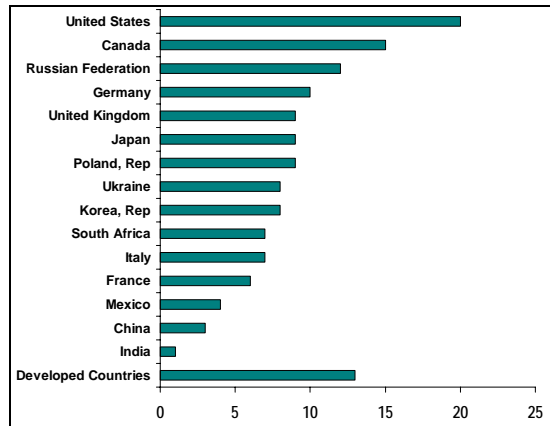
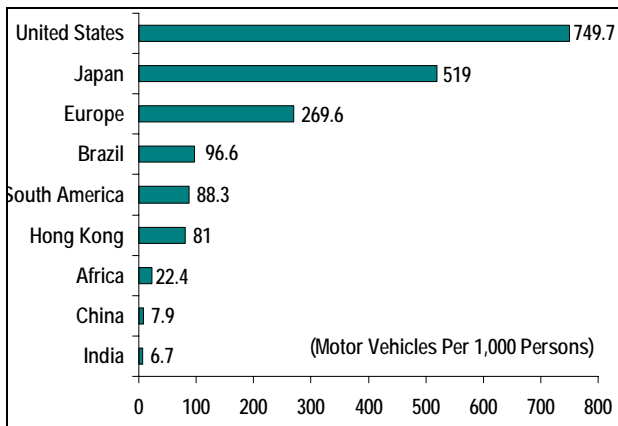


- What conclusions can you draw based on the graphs below?

a) "Motor vehicles used per 1000 persons"

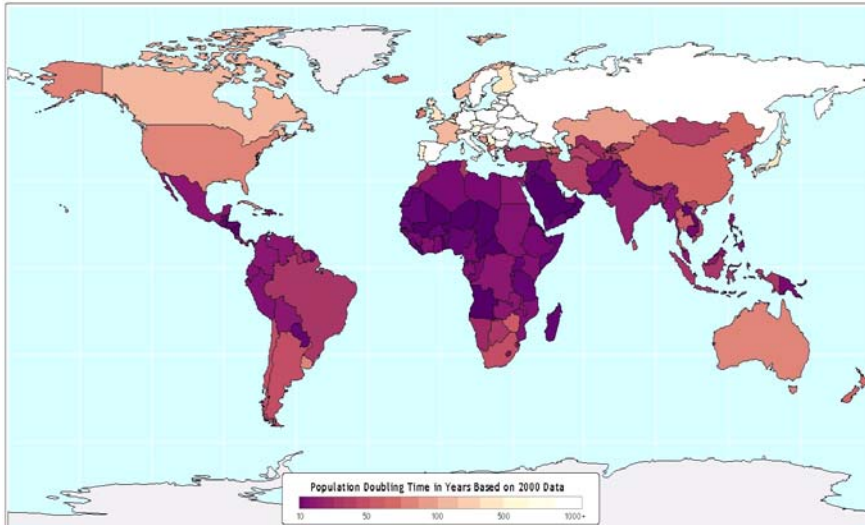
b) "CO<sub>2</sub> emissions per capita"

in metric tons of CO<sub>2</sub>

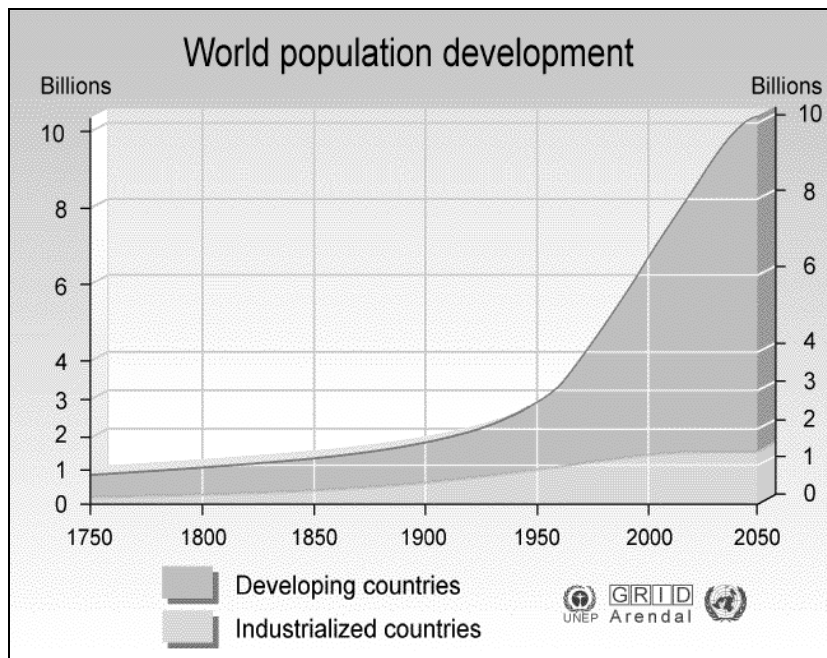


- What conclusions can you draw based on the graph below? (for additional points)

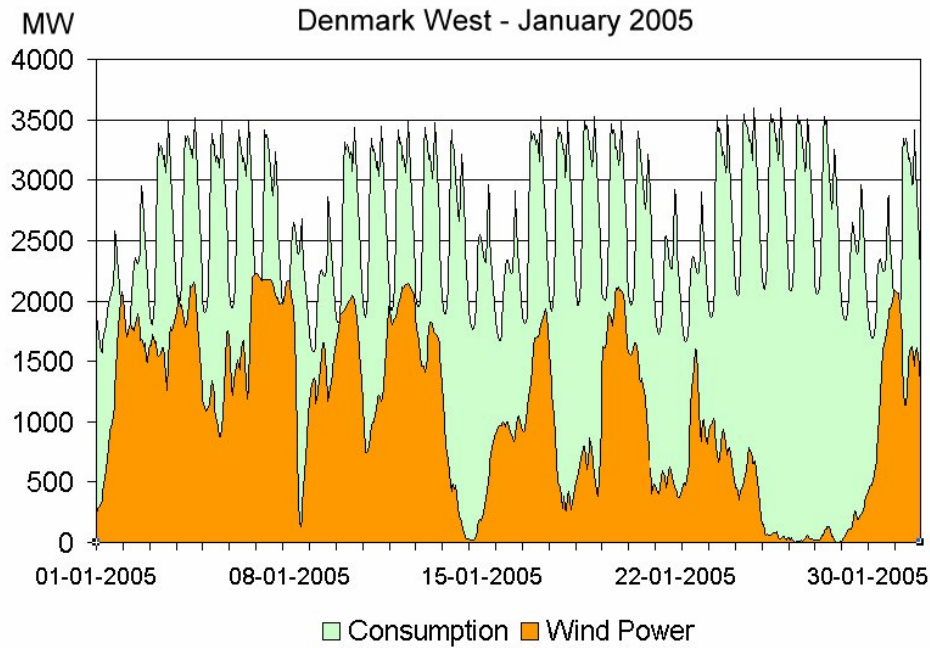
(title: "Population doubling time" colours: from 10 to 1000 in years)



- What conclusions can you draw based on the graph below? (for additional points)



- What conclusions can you draw based on the graph below? (for additional points)



- Put your home country into the diagram! (Use a coloured circle which diameter corresponds to the population and indicate the colour that corresponds to the continent!)

