

The European Union's Asia-Pro Eco Programme



Greening the Philippine Industries with the **ECO**PROFIT Approach



Mindset - Values - Action



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Today is a regular day:

- Population increases by 260,000
- •100,000 die from hunger
- •8,000 children die from avoidable deseases
- 140 varieties of animals and plants go extinct
- •50,000 ha forests are cleared
- •5,500 t FCHC are emitted to the atmosphere
- •70,000 000 t CO₂ are emitted additionally



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The production of just one PC:

- Needs appr. 16 19 tons of resources (a car needs appr. 28 tons)
- Appr. 700 different substances, appr. 3,000 I water and 2.000 kWh electricity
- During production appr. 60 kg of hazardous waste is generated (FCHW and acids)
- Life time of individual parts is up to 20 years, the pc however is replaced after 2 to 4 years







"Yes, I suffer from homo sapiens"



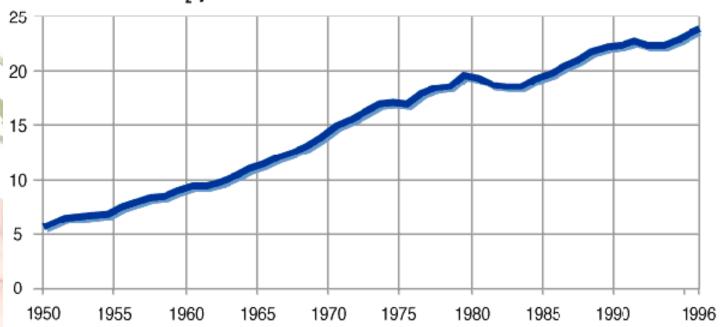
The first one answers: "Don't worry, this goes by!"



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CO2 Emissions world wide:

1 000 million tonnes CO2/year







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Do you know, that...

One unit of

Causes CO2

emissions of:

1 litre light fuel

appr.. 3,2 kg/l

1 litre heavy oil

appr. 3,1 kg/l

1 Nm³ natural gas

appr. 1,8 kg/Nm³

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How much CO₂ does a beech filter?

(appr. 70 years, appr. 15 m crown diameter)

net appr. 2 kg/h 12 hours per day

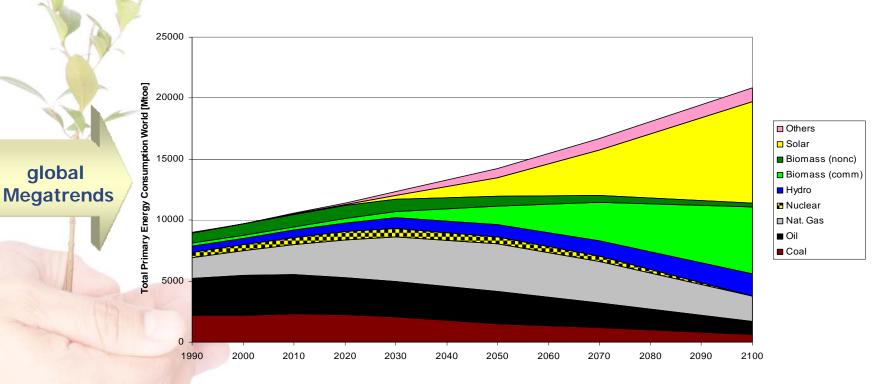






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Global change of energy supply: 40 % renewable until 2050



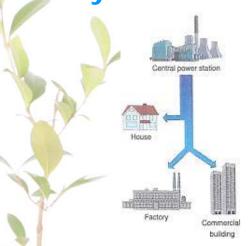
Source: IIASA/WEC Global Energy Perspectives, 1998 (Scenario C1)

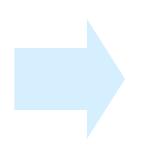


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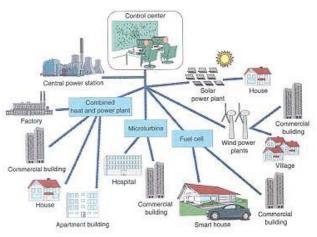
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Yesterday: centralized systems Tomorrow:regional systems





- No choice
- No competetion
- No innovation
- **High profits**
- **High transformation** losses
- **High prices**



- choice
- **Competition fueled by consumer**
- **Innovation**
- **Lower profits**
- Generation close to consumer
- **Changing prices**







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Sustainability:

is an **Economic system**

Which fulfills the needs of the present generation without compromising the needs of future ones









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Syst. Sustainable development with the 3 "E"

- Environmental integrity
- Economic efficiency
- Equity



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What is a Environmental Management?

A idealistic balance point between **Environmental and Economic Goals**







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Sustainability:

Is a business strategy, which integrates economic, ecological, and societal criteria in an optimized way and by doing so creates competitive advantages

Economy

Leaders
135.9%

SustainabilityLaggards
83.3%

Society

= econcomic success with values

(W. Autischer) And Me

Quelle: K. Wolfron, 2001

