

# Scientific Environmental Competences Group

Presentation of the results

NEOS Workshop  
Bocholt 22-26 Oct 2007

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# Science

To Understand

# Environment

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Science To Understand Environment

Leads To

ACTIVE  
CITIZENSHIP

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# Competences

**-Knowledge of basic contents and of the concept of system**

**-Linguistic communication**

- Specific language (vocabulary)
- Maps
- Schemes
- Graphic
- Data
- Drawings

**-Operative methodology**

- Problem solving
  - Analysis
  - Synthesis
- Experimental methods
- Understanding
- Evaluation

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# An example



If you were a tourist  
in a traditionally poor  
country how would  
you behave?

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What do you really need?

What isn't really necessary?

Why aren't there many resources  
(food, water, energy, medicine  
care,...)?

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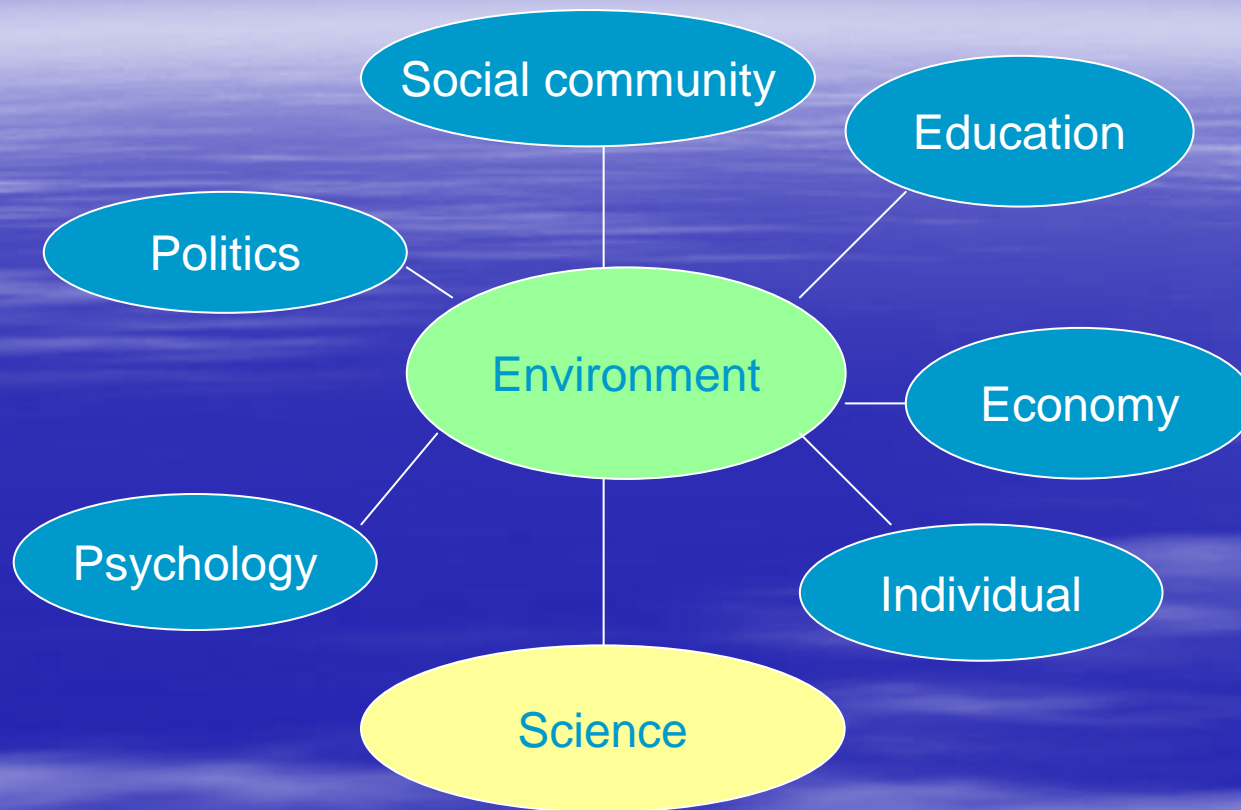
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How can I have  
a shower  
with one litre of water?



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# The Role of Science

Science can help us

- to understand the *status quo*
- to look for solutions and/or answers

Science brings us awareness of

- limited resources
- times of the biological cycles
- unpredictability of complex systems

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*“We must remember that nowadays European Humanism hasn’t only got its origins in Greek and Christian-Jewish cultures. It received the contribution of four discoveries born into the sciences [...]. It’s Copernicus who takes off to the man the privilege of being the center of the Universe. It’s Darwin who makes man a descendent of the ape. It’s Freud who desecrates the human spirit (it’s Freud who deprives the human spirit of its holy value). It’s Hubble who exiles us to the furthest reaches of the cosmos.”*

**Edgar Morin *‘La tête bien faite’***

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