

WS 02 THINKING GREEN

(energy questions, low energy buildings)

**the most ecological spaces are those not built.
we have to scale down programmes and re-use
existing structures** (challenging scenario)

Theme

Sustainability has become a global issue. To cope with the needs and demands of a sustainable world, designers will have to combine the mentality of gardeners with the precision of space-craft-engineers. Still much of the current effort in renovating schools at least in central Europe is mainly oriented towards reducing energy consumption through better insulation. But isn't a "green school" much more than that? And do we really have enough long-term experience with minimum-energy-schools to justify large investments into high-tech solutions?

2010-09-21 WORKSHOP SUMMARY

Low tech materials (eg. clay, wood...)

Low tech building Solutions (eg. chimney effect)

Learning from Tradition

High Tech Building Solutions (eg. artificial ventilation)

High Tech Material Materials
made out of traditional Building Materials

Use local resources

Use recycling of any kind

sustainable spatial concepts

high quality structures / materials (system boundaries)

High Quality, Long Last

using exiting structures
24 hour's usage

Maximum Flexibility inside (quickly done)

Open space concepts

Maximum Flexibility outside
Urban planning

(High end) Buildings for Education

Change of Society (**Life's**tyle' of **Health** and **Sustainability**)

Serious Conciousness of sustainable Realities by Education

(keyword: distortion by advertisement)

Education for sustainable Development

No Chance for Education at all
(keyword: social gap)

2010-09-22 WORKSHOP SUMMARY

1. THINKING GREEN has been changed into DOING GREEN
2. (refurbishment)
FORGET EXISTING FUNCTIONS!
SEE POTENTIALS! USE IT!
(example: schools built in den 1970ies are not appropriate for modern padagogic ideas, but they have a structure that could be re-used for example as flats)
3. start with the GREEN PROCESS in the very beginning
otherwise you won't get GREEN ENVIRONMENTS in the end
4. SUSTAINABILITY is always about LIMITS
thinking about limited resources enables you to think about sustainability
5. don't create schools, create buildings
don't create buildings, CREATE POTENTIALS!
6. A school is not a landmark > green design is ~~modest smart~~ design

FURTHER TOPICS DURING DISCUSSION:

- A) CREATING VOLUME IS SUSTAINABLE
volume is always a potential > the re-use-capacity of big volumes in contrast to small volumes (e.g. used for social dwelling architecture in Austria) is pretty high
- B) HIGH QUALITY, LONG LAST
 - high quality, open structure, long last:
buildings that should last long (100 years), should be built with high quality materials and open structures
 - special function, lower quality, certain period of time:
buildings that must not last that long (30 years), must not be built with high quality materials, but with easily recycable materials; these kind of buildings are adequate for buildings divided into small sections
- C) 24 hours of usage for a school must not be a solution for acting sustainable