

# ARCHITECTURE



the HOUSE of MAN

# ECOLOGY

Eco- > from Oikos > House, household



the HOUSE of every LIVING BEING

SOCIO-CULTURAL  
ATTRIBUTES

Abiotic Components  
PHYSICAL ATTRIBUTES  
+  
BIOLOGICAL ATTRIBUTES  
Biotic Components  
≠ Ecosystem



A NEW TASK FOR DESIGNERS > NEW COMPETENCES EXPECTED

## THEORETICAL PREMISES

### A NEW TASK: why?



the problem

the balance between man and nature was not a question until the Industrial Revolution; then things dramatically changed. Since our survival depends completely on the Earth's ecosystems, today's quantity and rate of consumption of natural resources is not sustainable anymore for human well-being

R.Goodland,1995

Global

## SUSTAINABILITY

*'the unimpaired maintenance of human life-supporting systems'*

...that is:  
what should we sustain?

Millennium Ecosystem Assessment,2005

## ECOSYSTEM SERVICES

Food, water, fuel, natural medicines, air, climate, water and erosion regulation, soil formation, primary production, nutrient and water cycling etc. provided by ecosystems that help supporting life on earth and biodiversity

## DEFINITION