

# Flexibility

Definition - refers to the idea of accommodating change over time  
 - housing that can adapt to the changing needs of users  
 (Till & Schneider, 2005)

## Types of flexibility

- Initial flexibility - allows the dweller participate actively in the design of its own house (N.J. Habraken, *Supports*).
- Permanent flexibility allows the dweller to change the house whenever he wants, by moving walls and even adding more surface if necessary.

## VARIABLES

Changing needs

- Practical - beginning of old age
- Personal - changing family members
- Technological - changing old services to new ones

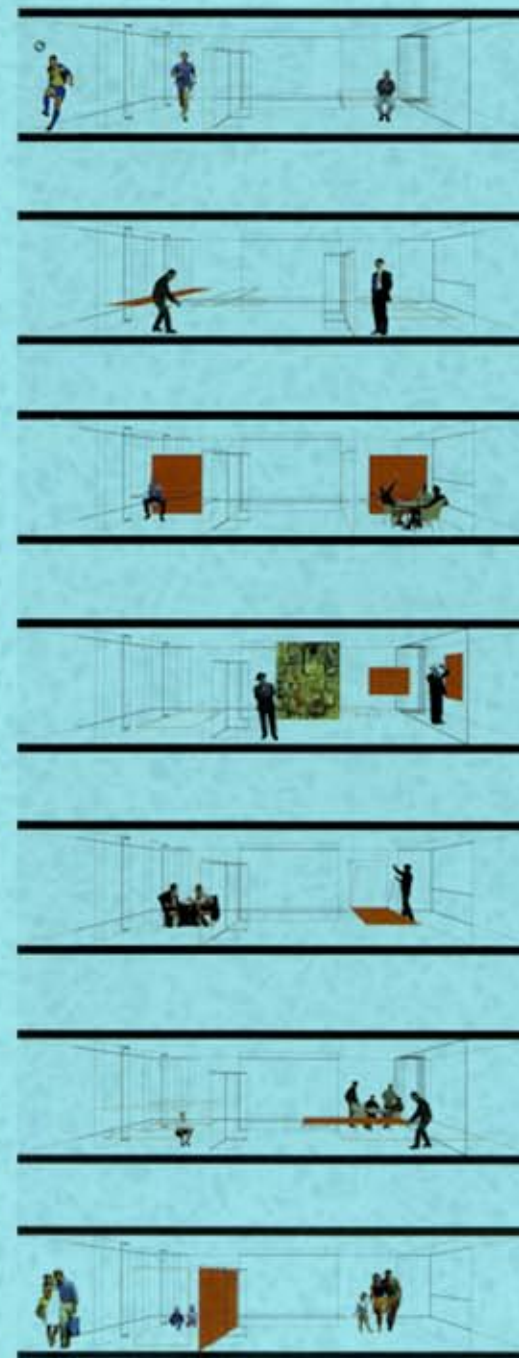
Flexible house

Changing patterns

- Environmental - climate response
- Economical - changing economy status
- Demographic - the size of the single person household

Time

- Short lasting - temporary house
- Long lasting - house for almost the rest of the life



## RESULT

The flexible house is the result of combining multiple variables.

These variables change along time and flexible houses must have the capability to adapt to them.

## nemausus jean nouvel

The Nemausus social housing project has, since it was completed in 1987, become so well known that it is difficult to put its radical qualities into proper perspective. The use of industrial materials is indeed radical, but does not derive from any intention to shock or to be radical for its own sake. Among the key questions was the definition of a "good apartment"; a good apartment was, quite simply, as big an apartment as possible. A good apartment was flexible, changeable. And a good apartment was inexpensive.



Practical

Economical

Long lasting

## schröder house gerrit rietveld

The most notable aspect of the Schröder house is the use of free planes and modulation of horizontal and vertical planes. To this must be added the interior solutions, including open spaces that can be modified by moving panels, and furniture, perfectly integrated, treated as architectural elements. Get the whole building is a flexible, both outside and inside. This house is a demonstration of maturity architectural methodology consistent with neoplastic poetics of its author.



Technological

Environmental

Long lasting