

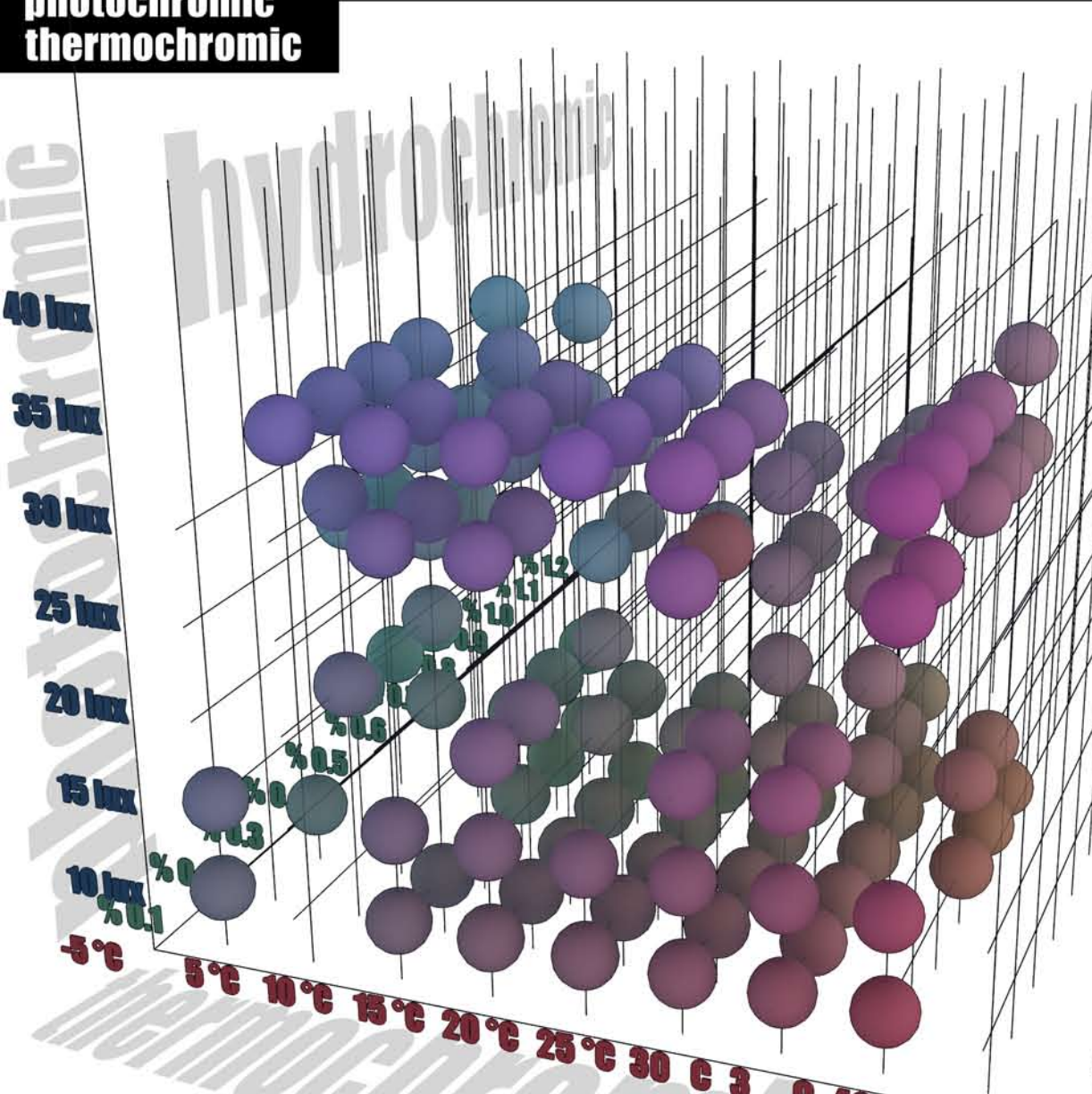
"STOMA" is the breathing cell of plants. Stomata regulate the **CO** cycle throughout the automatic process of photosynthesis in reaction to light, water and heat.

**Glucose** production in stomata causes dense concentration of cell liquid in cytoplasm. It is balanced with the **water transfer** from the cells of the adjacent epidermis. Changes in the inner pressure of the cell(s) is the base of the open/close cycle.



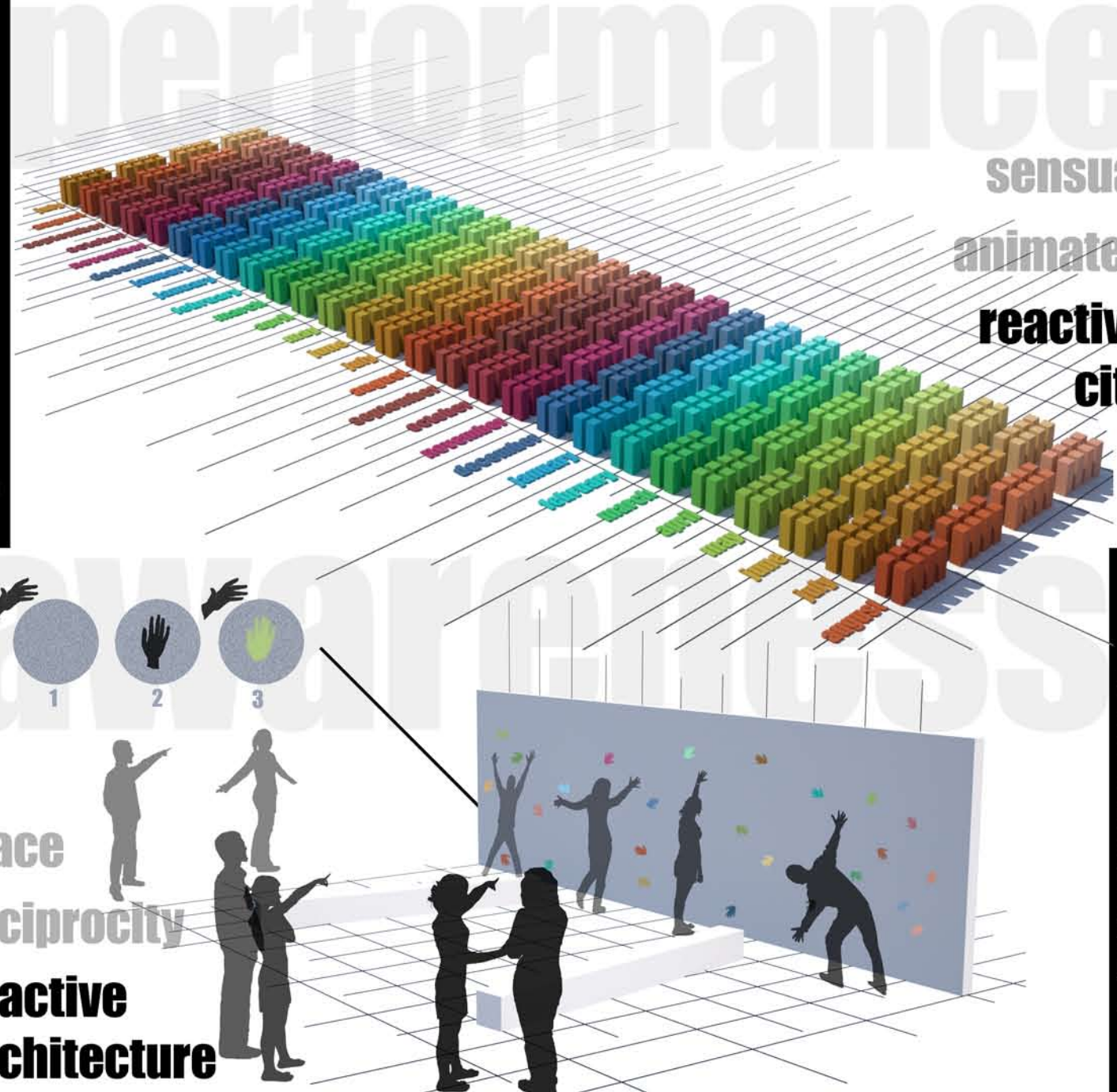
**modifiable**  
**differantiable**  
**reactive**  
**geography**

**localization**



A kind of concrete which reacts to changes in the weather in terms of temperature -hot or cold, moisture -arid or humid, and sunlight -sunny or cloudy. This new and reactive building material reflects external conditions by changing its colour and releasing different smells. These reactions are coded in synthetic stomata by chemicals. Incalculable changes in weather conditions bring multiple reactions on the concrete's surface at the same time. This live material reaction, characterizes time, space and user by interactively engaging the senses, therefore strongly engraving the urban spatial experiences into memory. The synthetic stomata, a new ingredient to classical concrete mixture with cement, aggregate, sand and water.

**performance**



**awareness**