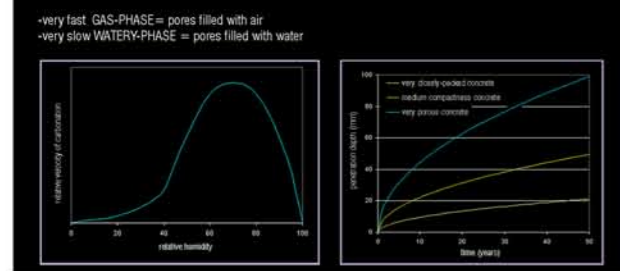
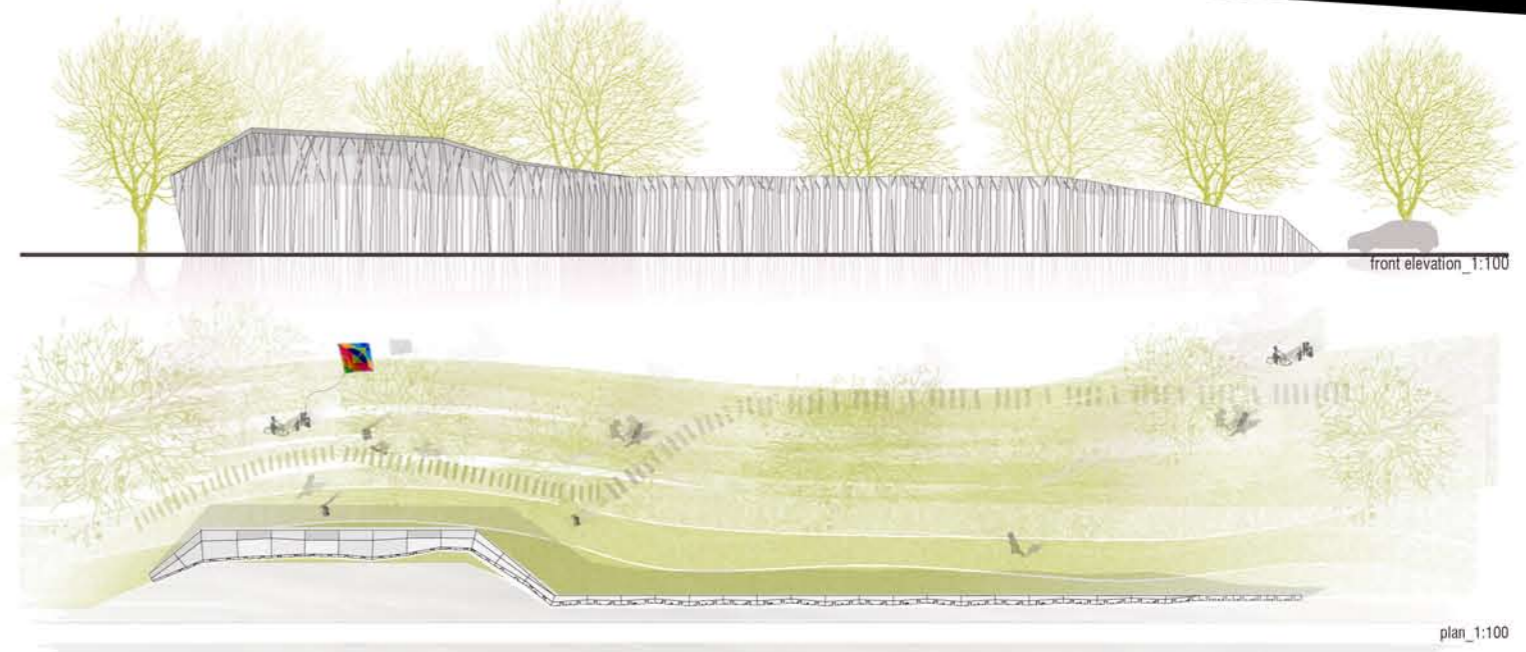
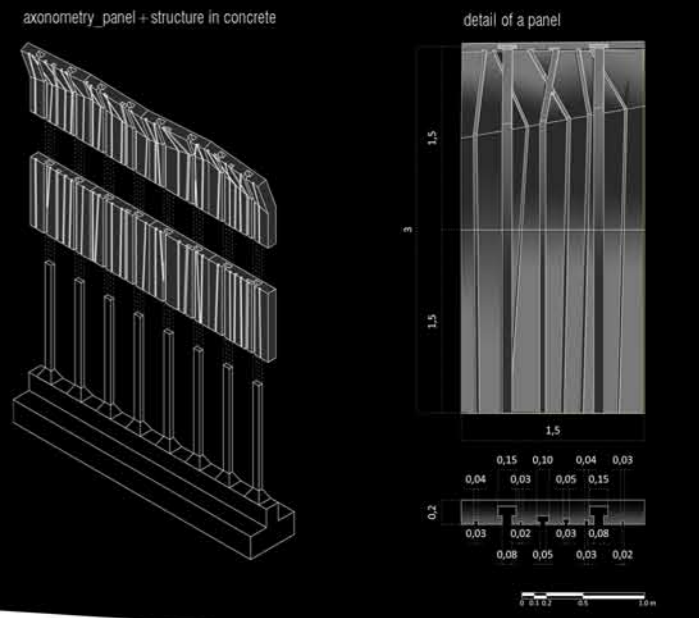
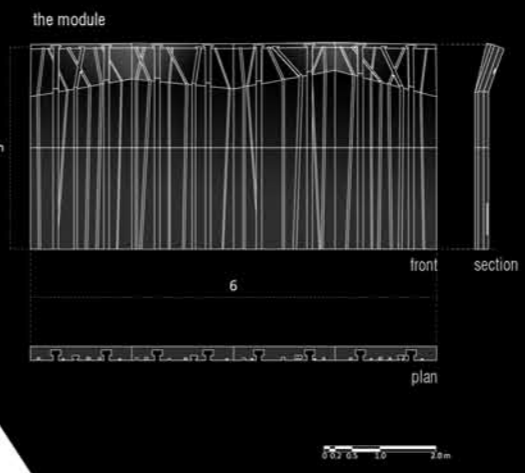


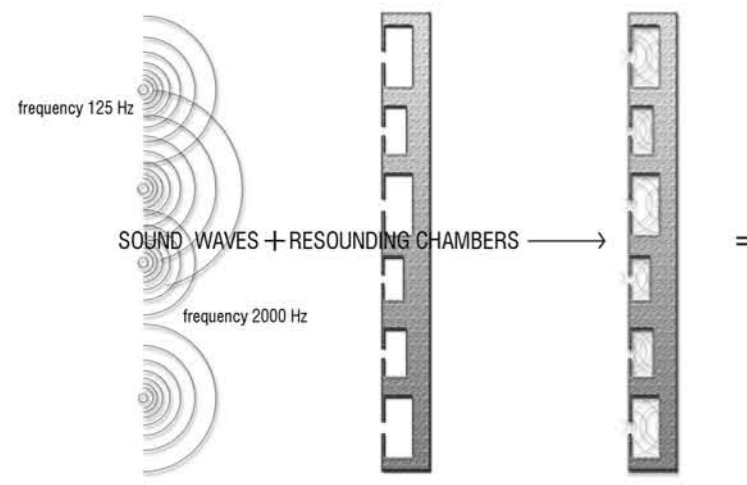
Transport of CO<sub>2</sub>



RECYCLABLE PANELS:  
The carbonation of concrete is an irreversible process due to the presence of calcium hidroxide whitin its mixture. Therefore the panel life is strictly linked to the exhaustion of the Ca(OH)<sub>2</sub> amount in its surface layer, which occurs approximately within 15-20 years. At the end of the process the material is able to be recycled through a simple grinding and reused as coarse-grained aggregates for a new panel in order to improve the panel capacity of carbon dioxide absorption.



sound absorbtion



When the sound waves hit the neck of the resounding chambers, they excite the air inside and create a solid plug which moves to-and-fro pressing the air enclosed in the volume. So the sound energy turns into heat because of the friction inside the neck walls.  
The maximum sound absorption occurs at the resounding frequency of the air mass inside the neck and of the "spring" formed by the pressed air in the closed volume.

On the basis of this theory a multiple resounding device has been planned in order to obtain an absorption covering a wide frequency band of vehicular traffic sound, from 125 Hz to 2000 Hz.

