Observation

- The smoke in the TiO2 region started settling and formed sediments. We also observed moisture content inside the cylinder











3. Plastic Cylinder fitted with UV Light on one side and smoke passed through the other side via a small tube. A strip of TiO2 powder coated on Wood was fitted inside the cylinder. Smoke was passed through the cylinder





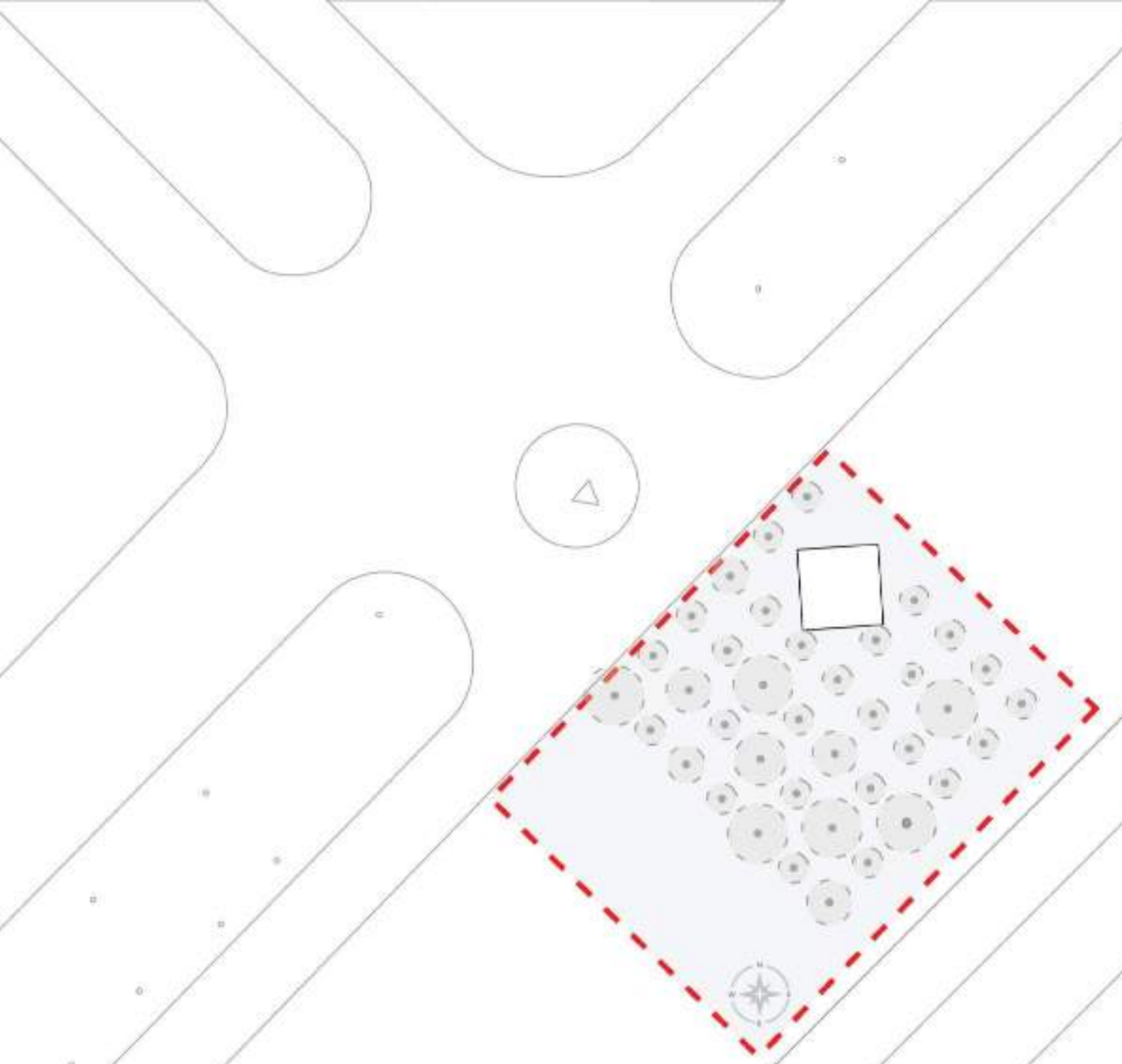






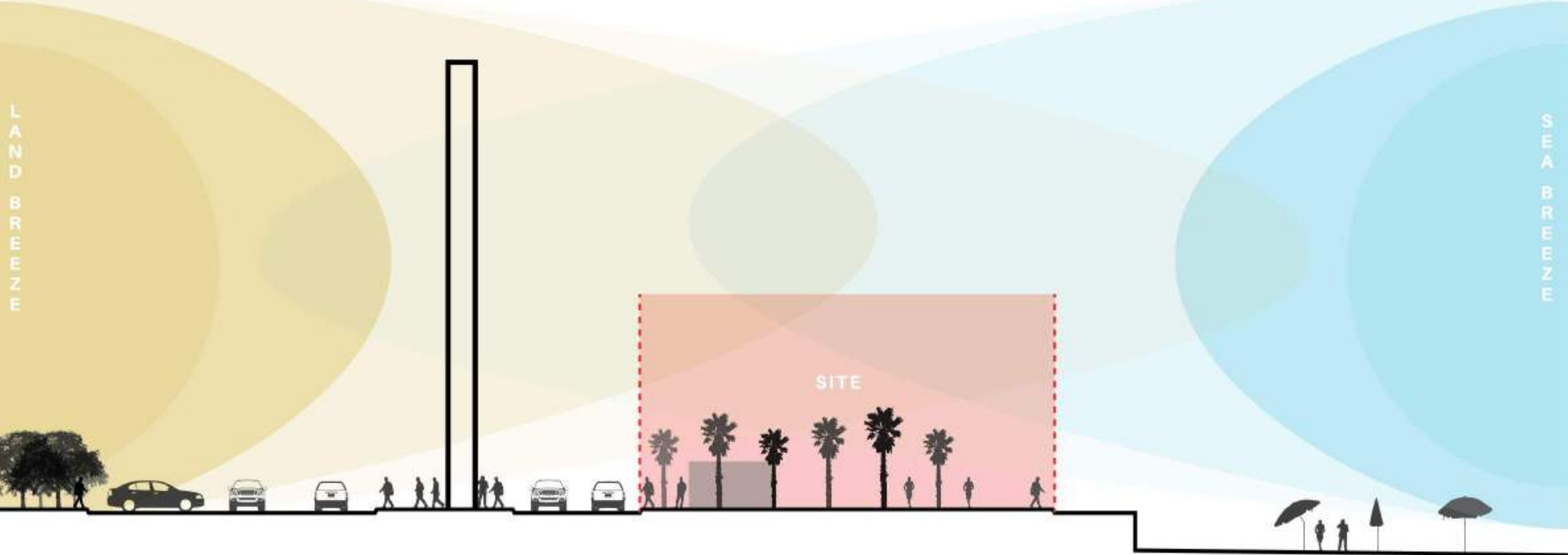






06_DESIGN


VEHICULAR POLLUTION
SITE


LAND BREEZE
SITE
SEA BREEZE

AIR FILTER

AMPHITHEATRE ACCESS

ACTIVE SPACES

RUNNING TRACKS

BEACH ACCESS

BEACH

AIR FILTER

AMPHITHEATRE

ACCESS

ACTIVE

SPACES

RUNNING

TRACKS

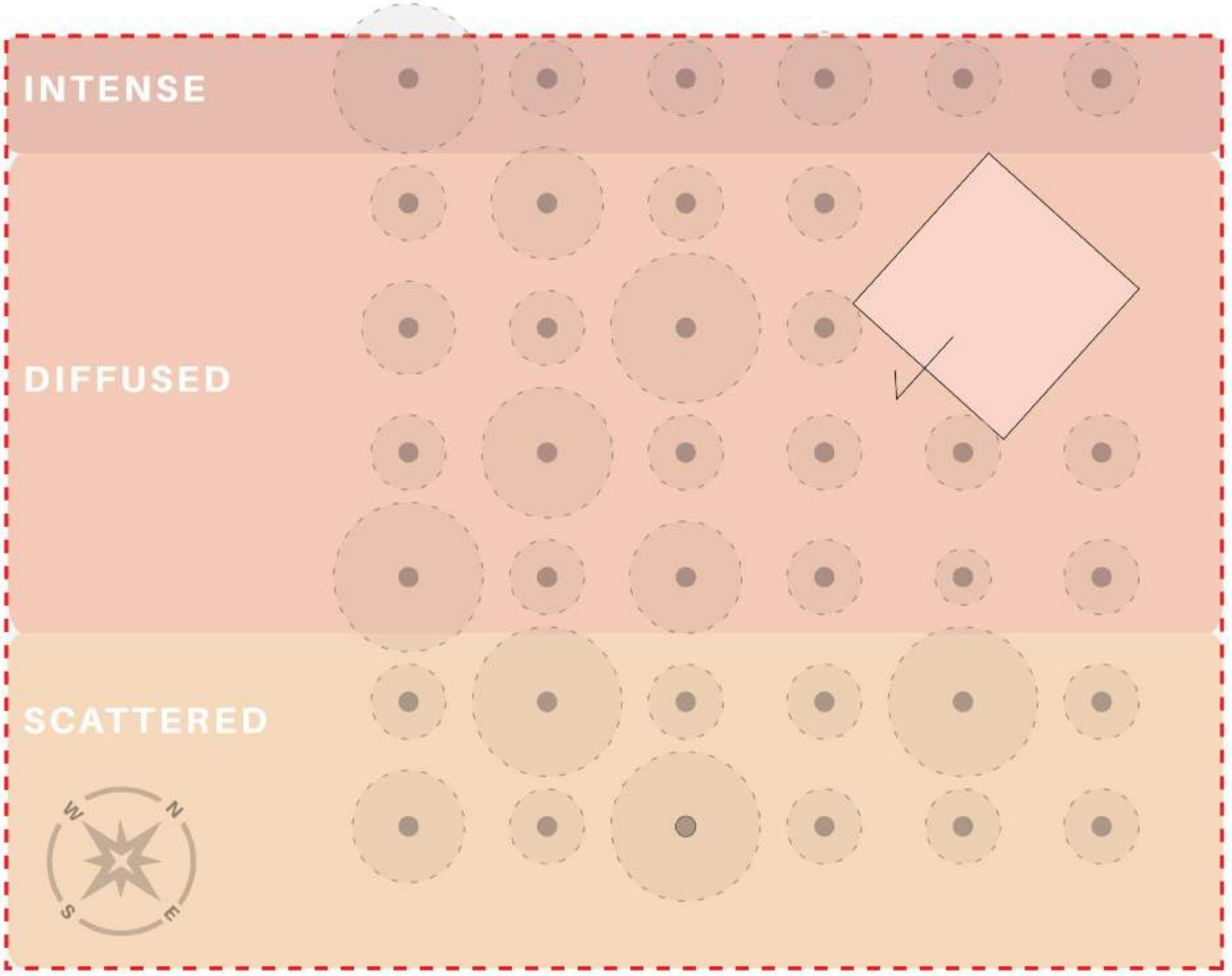


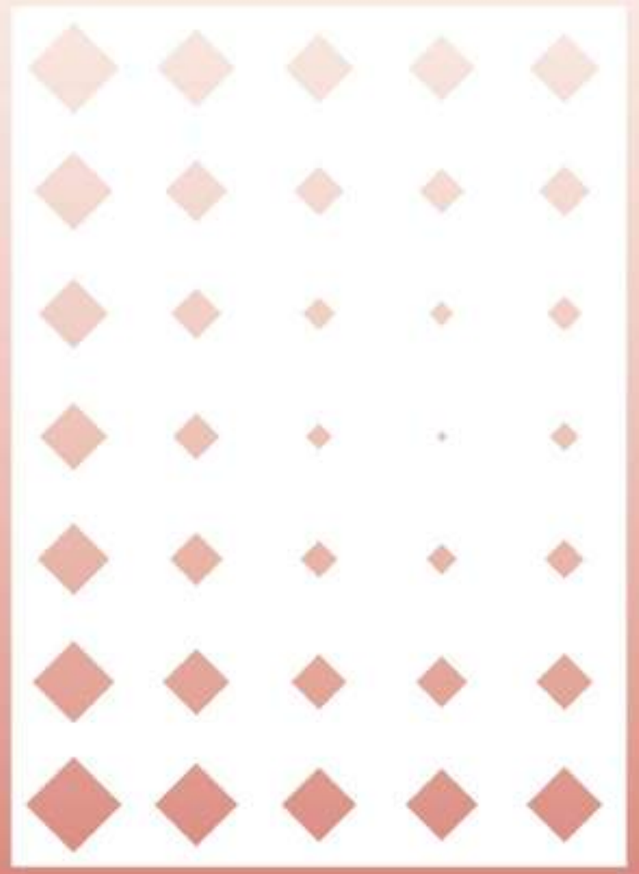
DENSITY OF TiO_2

INTENSE

DIFFUSED

SCATTERED


INTENSE
DIFFUSED
SCATTERED
N
W
E
S



Intense



Diffused

Scattered

CURRENT DEVELOPMENTS

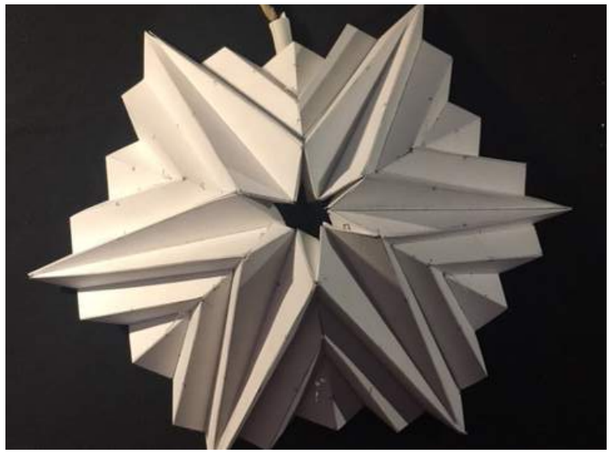
· Development of various multi-scalar applications of TiO_2 in an urban context.

· Intense TiO_2: Developing a wall / canopy system that responds to light, sound, pollution levels and people.

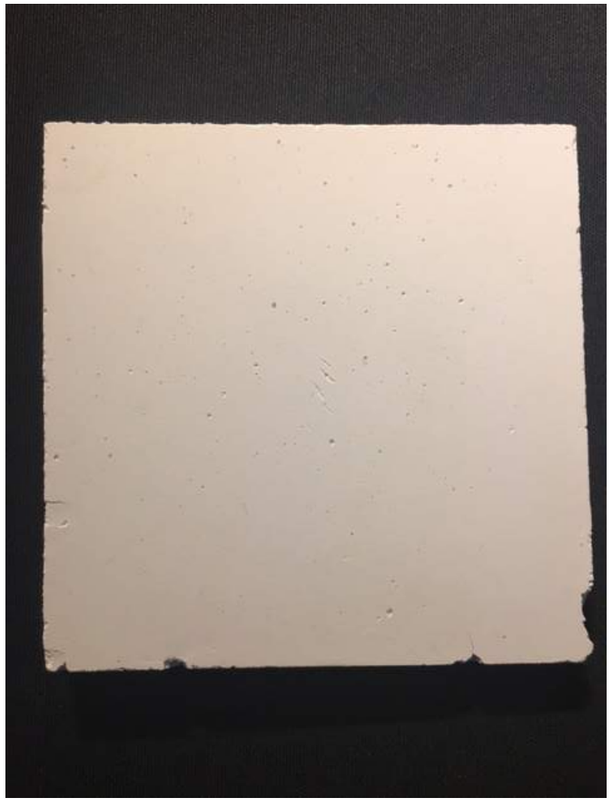
· Diffused TiO_2: Development of urban interactive furniture / floor condition that promotes social gatherings and creates various levels of interaction.

· Scattered TiO_2: Development of columns / interactive landscape elements that aid in the cleaning of air.

· Development of the photocatalytic 'leaf' that can be implanted into natural systems to aid the health of plants and create a symbiotic relationship.

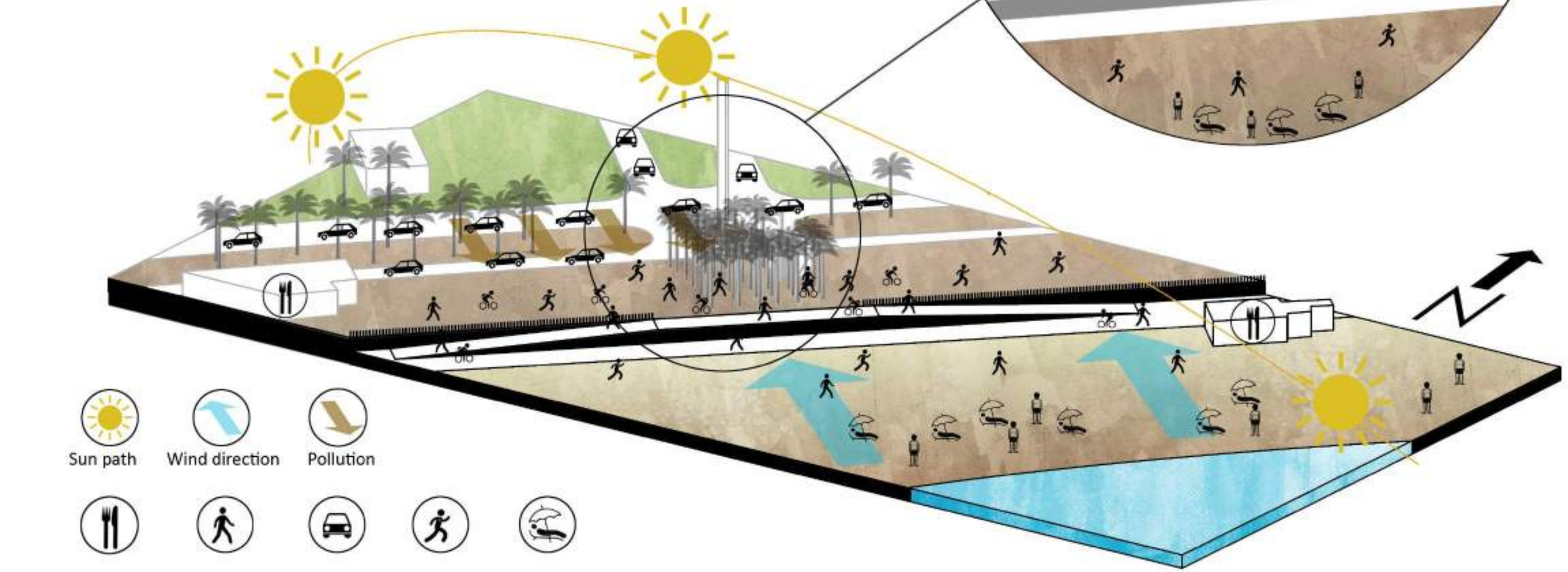








OVERVIEW



BIBILIOGRAPHY

https://www.youtube.com/watch?v=hPSYAoOV_FU&list=PLVdTyY-0eYvCruqNBqPJORNqbktG5ZtpOJ&index=3

http://www.azom.com/article.aspx?ArticleID=2210

http://www.instructables.com/id/DIY-solar-cell-from-scratch/step3/Titanium-Dioxide/

https://chemistry.beloit.edu/Edetc/nanolab/TiO2/index.html

http://aztechsolar.com.au/

http://www.designboom.com/art/dan-corsons-solar-powered-flower-installation-sonic-bloom/

http://flavorwire.com/328208/10-playful-public-works-of-art/7

https://www.sosolimited.com/work/diffusion-choir/

http://www.dailymail.co.uk/sciencetech/article-3370235/The-ocean-VACUUM-sucks-rubbish-oil-waterways-2-500-Seabins-trap-floating-debris-coastlines.html

http://www.conserve-energy-future.com/causes-effects-solutions-of-air-pollution.php

https://energy.mit.edu/news/air-quality-sensors/

http://www.azocleantech.com/

http://www.azobuild.com/article.aspx?ArticleID=7453