

# Τοπίο – Αρχιτεκτονική και μη

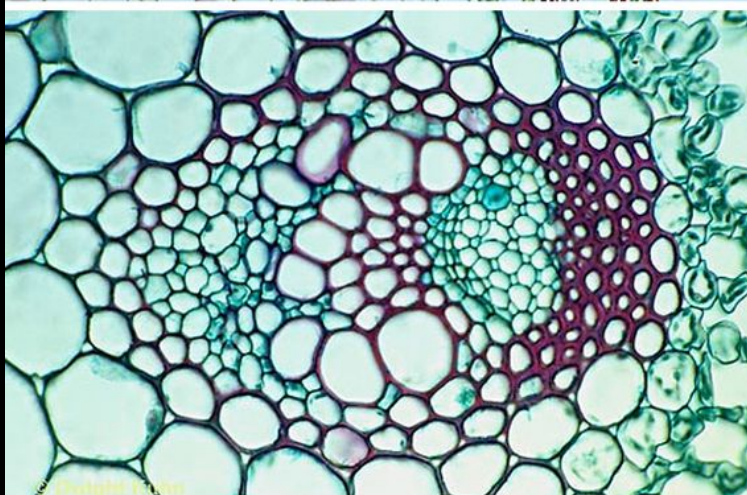
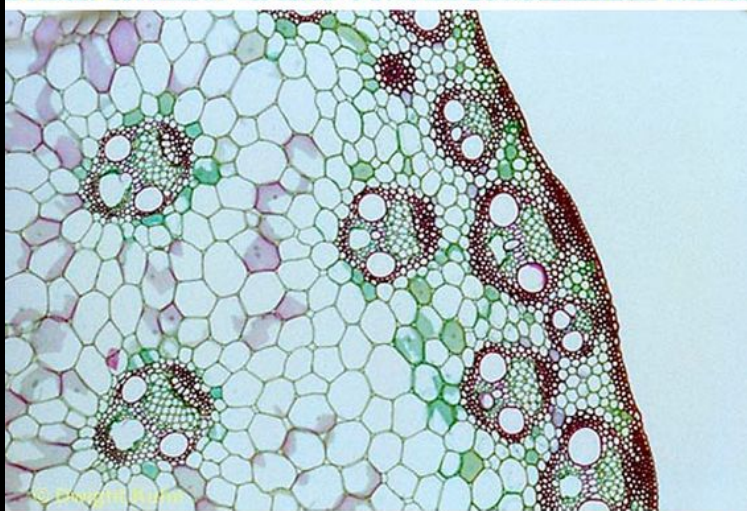
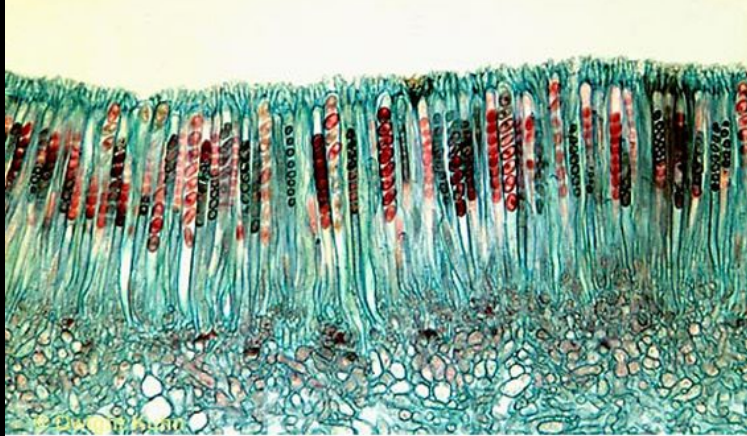
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**Ramboll Studio Dreiseitl**

**Τοπίο – Αρχιτεκτονική και μη**





*"One's ideas must be as broad as Nature if they are to interpret Nature. When one tries to rise above Nature one is liable to fall below it."*

*Sir Arthur Conan Doyle cautioned thought his character Sherlock Holmes*



**Τι είναι η Αρχιτεκτονική Τοπίου;**

### **ASLA Definition:**

*«Landscape architecture translates as the design of almost anything under the sky. Think of iconic places like New York City's Central Park and the FDR Memorial in Washington, D.C. But also consider your downtown square, your local park, or even your own backyard. Green roofs, urban farms, corporate campuses—all define landscape architecture»*

### **Oxford Dictionary Definition:**

*«The art and practice of designing the outdoor environment, especially designing parks or gardens to harmonize with buildings and roads.»*



## Lancelot “Capability” Brown

Βαπτισμένος 30 Αυγούστου 1716 – 6 Φεβρουαρίου 1783



**England's greatest gardener** σχεδίασε 170 πάρκα



## André Le Nôtre

12 Μαρτίου 1613 – 15 Σεπτεμβρίου 1700



Versailles, Fontainebleau, Chantilly



# Peter Josef Lenné

29 Σεπτεμβρίου 1789- 23 Ιανουαρίου 1866

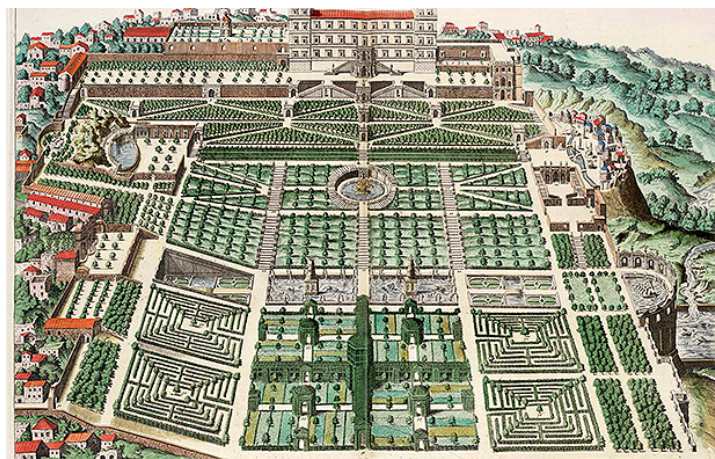


Potzdam Sanssouci, σχεδίασε πάνω από 250 πάρκα



# Villa d'Este

Ιταλική Αναγέννηση 1550 κ' εξής



Ανατέθηκε από τον Cardinal Ippolito II d'Este



# Roberto Burle Marx: ο Αρχιτέκτων Τοπίου του Μοντέρνου Κινήματος

4 Αυγούστου 1909 – 4 Ιουνίου 1994



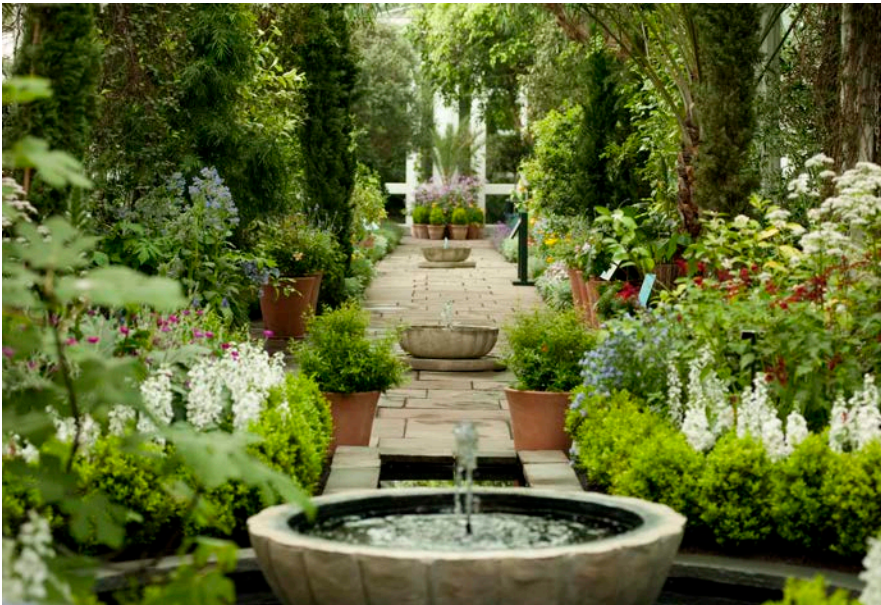
Κινέζικος Κήπος Suzhou Lingerin Garden



Ιαπωνικός Κήπος Ryōan-ji zen Kyoto



Ισλαμικός Κήπος Alhambra



Land Art: is an artistic protest against the "perceived artificiality, plastic aesthetics and ruthless commercialization" of art in America in the late 1960s

Spiral Jetty by Robert Smithson











# Frederick Law Olmsted

26 Απριλίου 1822 – 28 Αυγούστου 1903



Believed that **urban green spaces** should be **available equally to all citizens from every social class** which gave the foundation to the modern idea of a **“public park”**

# Frederick Law Olmsted

Central Park, NYC: established on 1857 on 778 acres (315 ha) of city-owned land



# JB Jackson

25 Σεπτεμβρίου 1909 – 28 Αυγούστου 1996

## Broadened the perspective on the "vernacular" landscape

### "The Word Itself" from Discovering the Vernacular Landscape by J.B. Jackson

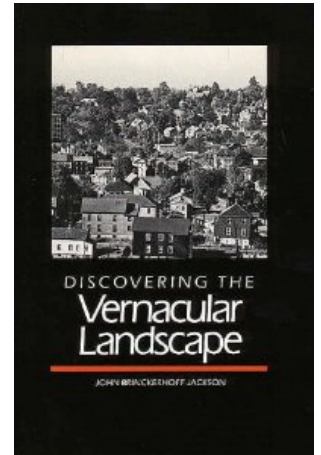
Rio Grande Valley north of Santa Fe. Seen from the air, the difference between the two landscapes is most marked. (Photo: Laura Gilpin)

Why is it, I wonder, that we have trouble agreeing on the meaning of *landscape*? The word is simple enough, and it refers to something which we think we understand; and yet to each of us it seems to mean something different.

What we need is a new definition. The one we find in most dictionaries is more than three hundred years old and was drawn up for artists. It tells us that a landscape is a "portion of land which the eye can comprehend at a glance." Actually when it was first introduced (or reintroduced) into English it did not mean the view itself, it meant a *picture* of it, an artist's interpretation. It was his task to take the forms and colors and spaces in front of him—mountains, river, forest, fields, and so on—and compose them so that they made a work of art.

There is no need to tell in detail how the word gradually changed in meaning. First it meant a picture of a view; then the view itself. We went into the country and discovered beautiful views, always remembering the criteria of landscape beauty as established by critics and artists. Finally, on a modest scale, we undertook to make over a piece of ground so that it resembled a pastoral landscape in the shape of a garden or park. Just as the painter used his judgment as to what to include or omit in his composition, the landscape gardener (as he was known in the eighteenth century) took pains to produce a stylized "picturesque" landscape, leaving out the muddy roads, the plowed fields, the squalid villages of the real countryside and including certain agreeable natural features: brooks and groves of trees and smooth expanses of grass. The results were often extremely beautiful, but they were still pictures, though in three dimensions.

The reliance on the artist's point of view and his definition of landscape beauty persisted throughout the nineteenth century. Olmsted and his followers designed their parks and gardens in "painterly" terms. "Although three-dimensional composition in landscape materials differs from two-dimensional landscape painting, because a garden or park design contains a *series* of pictorial compositions," the *Encyclopaedia Britannica* (13th edition) informs us, ". . . nevertheless in each of these pictures we find the familiar basic principles of unity, of repetition, of sequence and balance, of harmony and contrast." But within the last half century a revolution has taken place: landscape design and landscape painting have gone their separate ways. Landscape architects no longer turn to Poussin or Salvator Rosa or Gilpin for inspiration; they may not even have heard of their work. Knowledge of ecology and conservation and environmental psychology are now part of the landscape architect's professional background, and protecting and "managing" the natural environment are seen as more important than the designing of picturesque parks. Environmental designers, I have noticed, avoid the word *landscape* and prefer *land* or *terrain* or *environment* or even *space* when



JB Jackson

Definition of Landscape Architecture

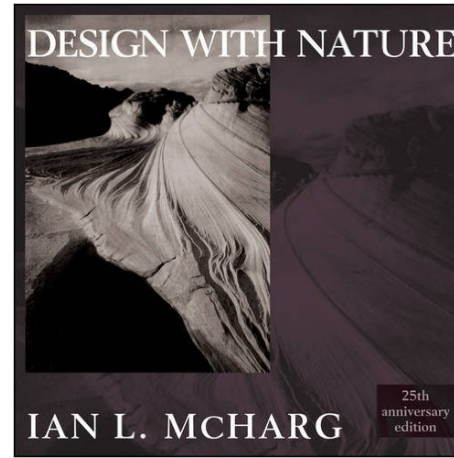
a definition it throws a revealing light on the origin of the concept. For it says that a landscape is not a natural feature of the environment but a *synthetic* space, a man-made system of spaces superimposed on the face of the land, functioning and evolving not according to natural laws but to serve a community—for the collective character of the landscape is one thing that all generations and all points of view have agreed upon. A landscape is thus a space deliberately created to speed up or slow down the process of nature. As Eliade expresses it, it represents man taking upon himself the role of time.

# Ian McHarg

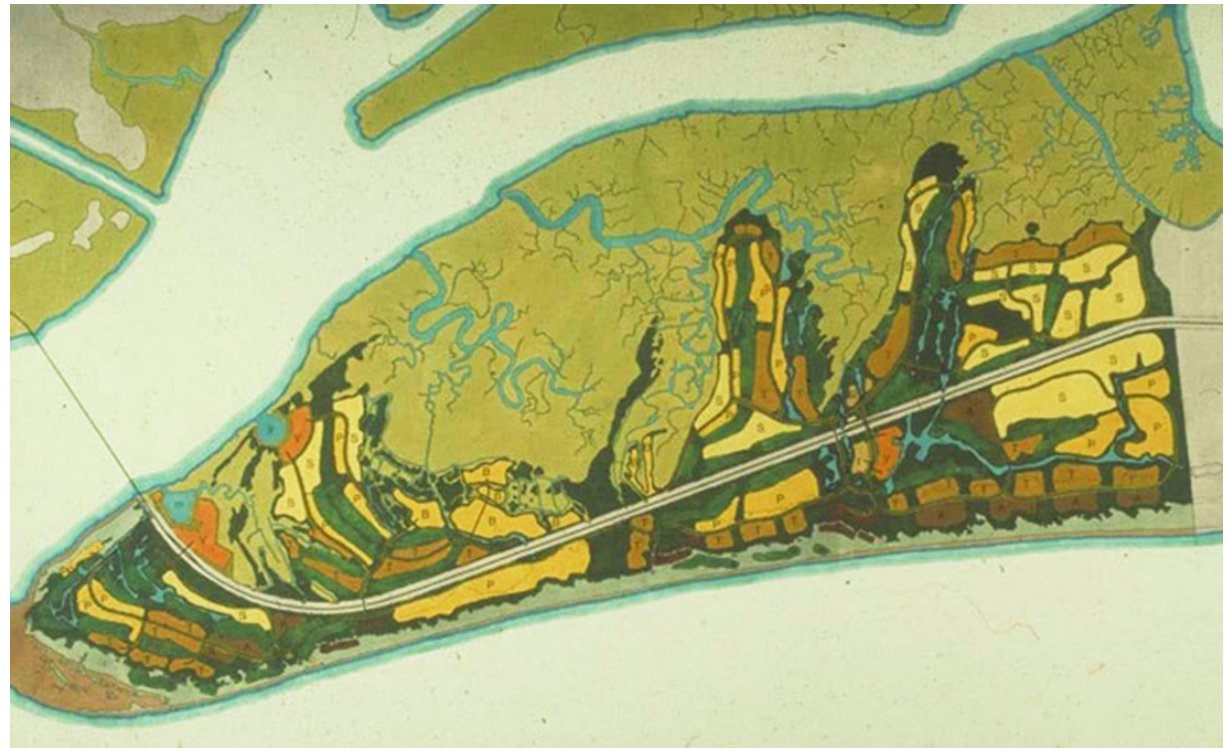
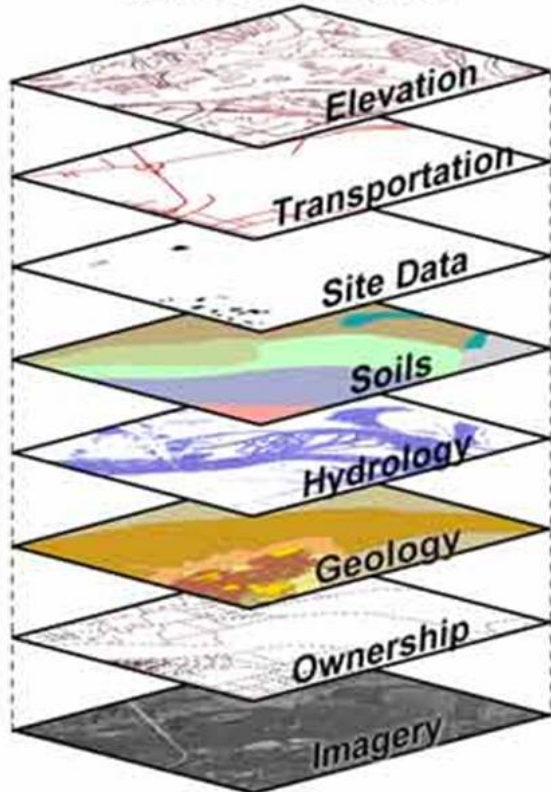
20 Νοεμβρίου 1920 – 5 Μαρτίου 2001

**Regional planner using natural system**

*Design with Nature* (1969) pioneered the concept of ecological planning – set the base for basic concepts for GIS

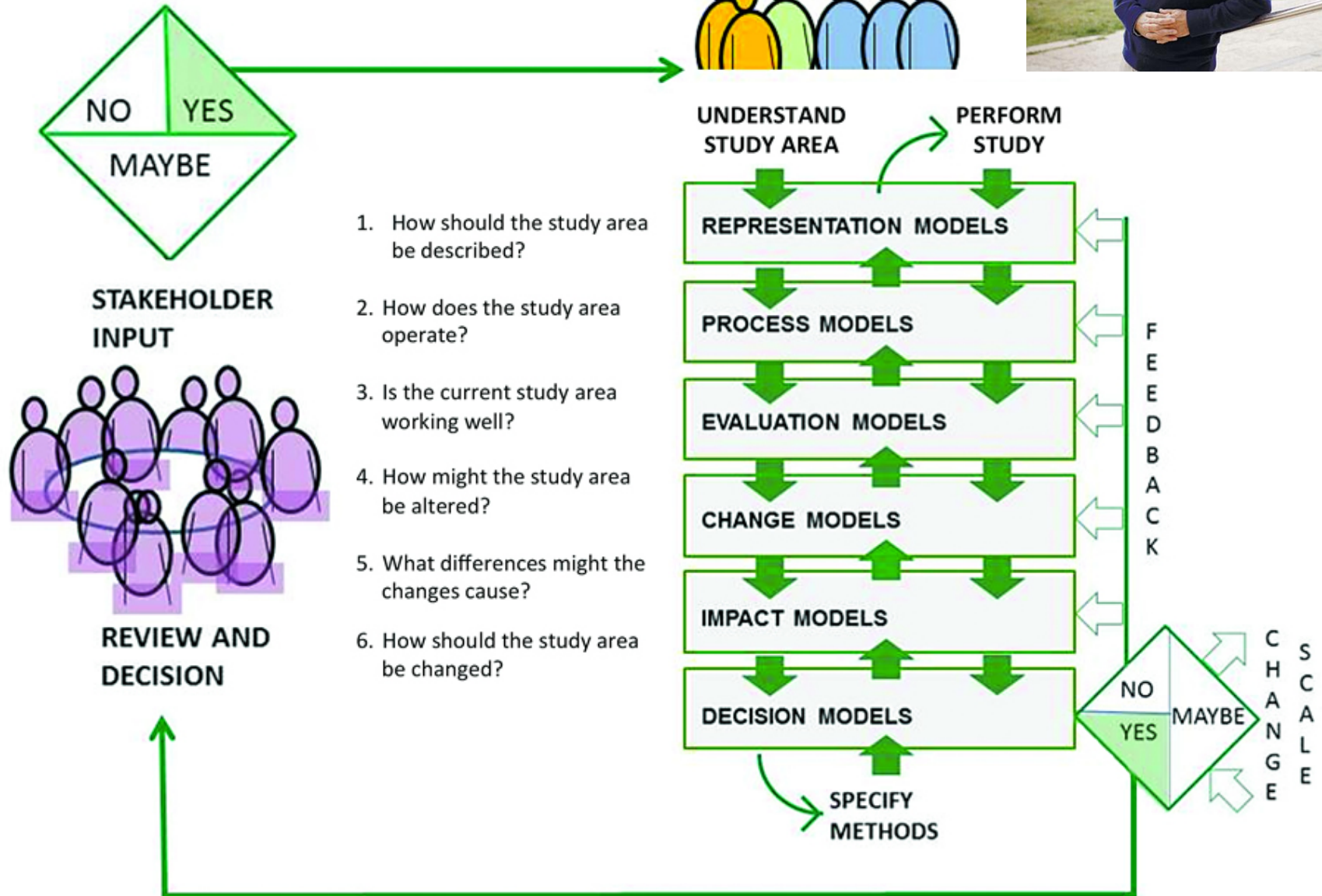


Spatial Data Layers



# Carl Steinitz

## Geodesign



# Julie Bargmann, D.I.R.T. Studio

Remediation of Industrial-Polluted-Toxic Landscapes



**Q: Is an engineered overhaul of the entire length of High Line really necessary? Do we want to spend \$100 million erasing what we all love?**

WIND  
SKY SKY SKY  
URBAN SUCCESSION  
SEED BANKS  
THE RIVER  
TRACES TAXIS CARS CARS CARS  
SHADOWS RIVERS  
LET'S GO!

↓ ↓ ↓ ↓

This 'empty' place is very FULL.  
Don't REMOVE much.

**A: D.I.R.T. Believes we can be more resourceful**

C L I & H C H  
COAST TROPIC MICROCLIMATES  
LAYER OF GOOD SOIL  
PUBLIC + COMPANY  
LET'S GO!  
TREE/S/REAL PLANT SPROUT UP STRAIGHTER  
SAFE + PUBLIC

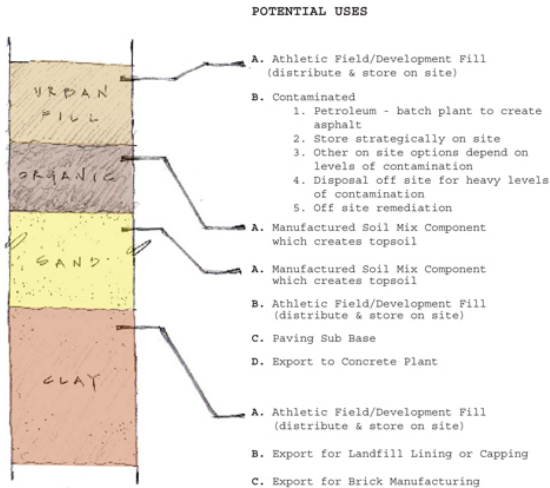
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Set PROCESSES in motion.  
Make careful ADDITIONS = CATALYSTS.

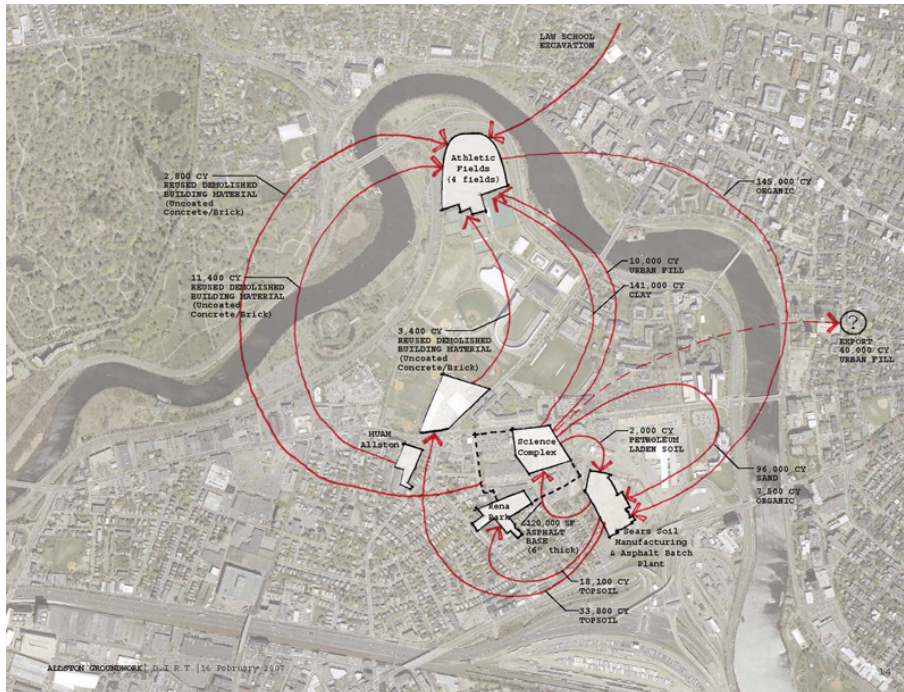


# Julie Bargmann, D.I.R.T. Studio

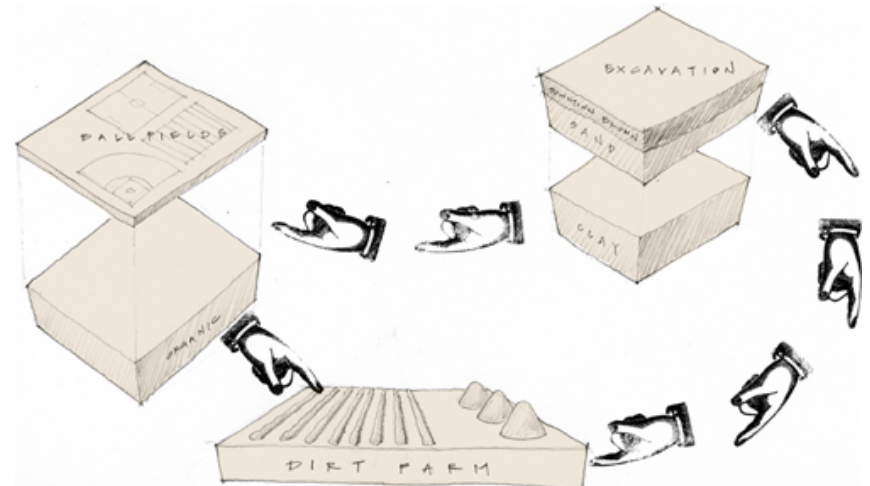
## SOIL RE USE



## MATERIAL VOLUME (Dumptruck)



1 = 100 dumptruck loads  
(at 20 cubic yards per load)





**Πού είναι η Αρχιτεκτονική Τοπίου;**

Kiva



Kiva



Kiva



Kiva



Κίνα

19 Δεκέμβρη 2015



Kiva



## Global Landscape Architecture Task Analysis

Sponsored by the Council of Landscape Architectural Registration Boards  
in partnership with the International Federation of Landscape Architects

**Which of the following projects do you perform as a landscape architect? *Choose all that apply.***

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Agricultural                        | <input checked="" type="checkbox"/> Industrial              | <input checked="" type="checkbox"/> Resort            |
| <input checked="" type="checkbox"/> Botanical gardens        | <input type="checkbox"/> Interior                           | <input checked="" type="checkbox"/> Rural             |
| <input checked="" type="checkbox"/> Campus and institutional | <input checked="" type="checkbox"/> Landscape planning      | <input type="checkbox"/> Sport facilities             |
| <input checked="" type="checkbox"/> Commercial and retail    | <input checked="" type="checkbox"/> Landscape research      | <input checked="" type="checkbox"/> Spiritual centers |
| <input type="checkbox"/> Corridor and transit                | <input checked="" type="checkbox"/> Master planning         | <input checked="" type="checkbox"/> Theme parks       |
| <input checked="" type="checkbox"/> Cultural and historic    | <input checked="" type="checkbox"/> Memorial and cemeteries | <input type="checkbox"/> Therapeutic gardens          |
| <input checked="" type="checkbox"/> Ecological               | <input checked="" type="checkbox"/> Parks and recreation    | <input checked="" type="checkbox"/> Urban             |
| <input type="checkbox"/> Feasibility                         | <input checked="" type="checkbox"/> Playgrounds             | <input checked="" type="checkbox"/> Water             |
| <input checked="" type="checkbox"/> Green roofs and walls    | <input type="checkbox"/> Private gardens                    | <input checked="" type="checkbox"/> Zoo               |
| <input type="checkbox"/> Guidelines                          | <input checked="" type="checkbox"/> Residential             |   |


**Are there any projects missing from this survey?**

- No
- Yes
- If Yes, what?

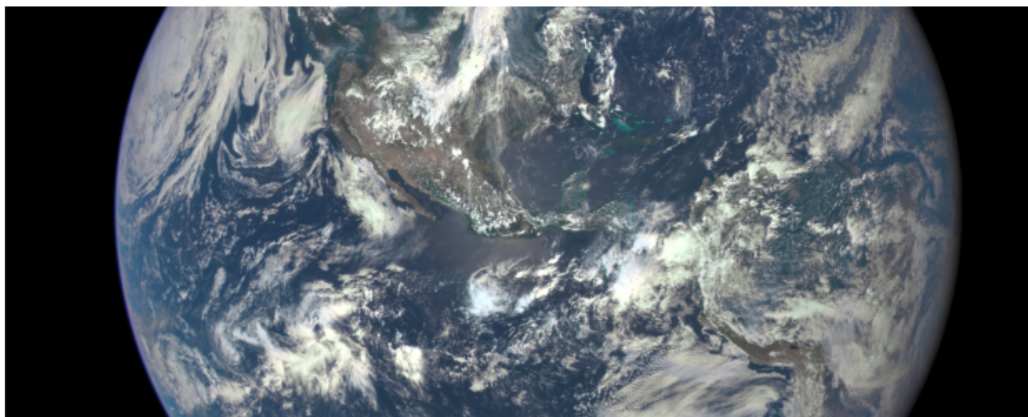


# Σύγχρονες Προκλήσεις

# Environnement: depuis ce jeudi 13, la planète vit sur ses réserves

 FRANCE SOIR  
13 AUGUST 2015 10:56 GMT

Environnement: depuis ce jeudi 13, la planète vit sur ses réserves Il faudrait 1,6 planète pour satisfaire en un an la consommation des 7,3 milliards d'êtres humains. Depuis ce jeudi, les ressources naturelles que peut produire la Terre en une année ont été épuisées. Jeudi, Août 13, 2015 - 12:51



©NASA

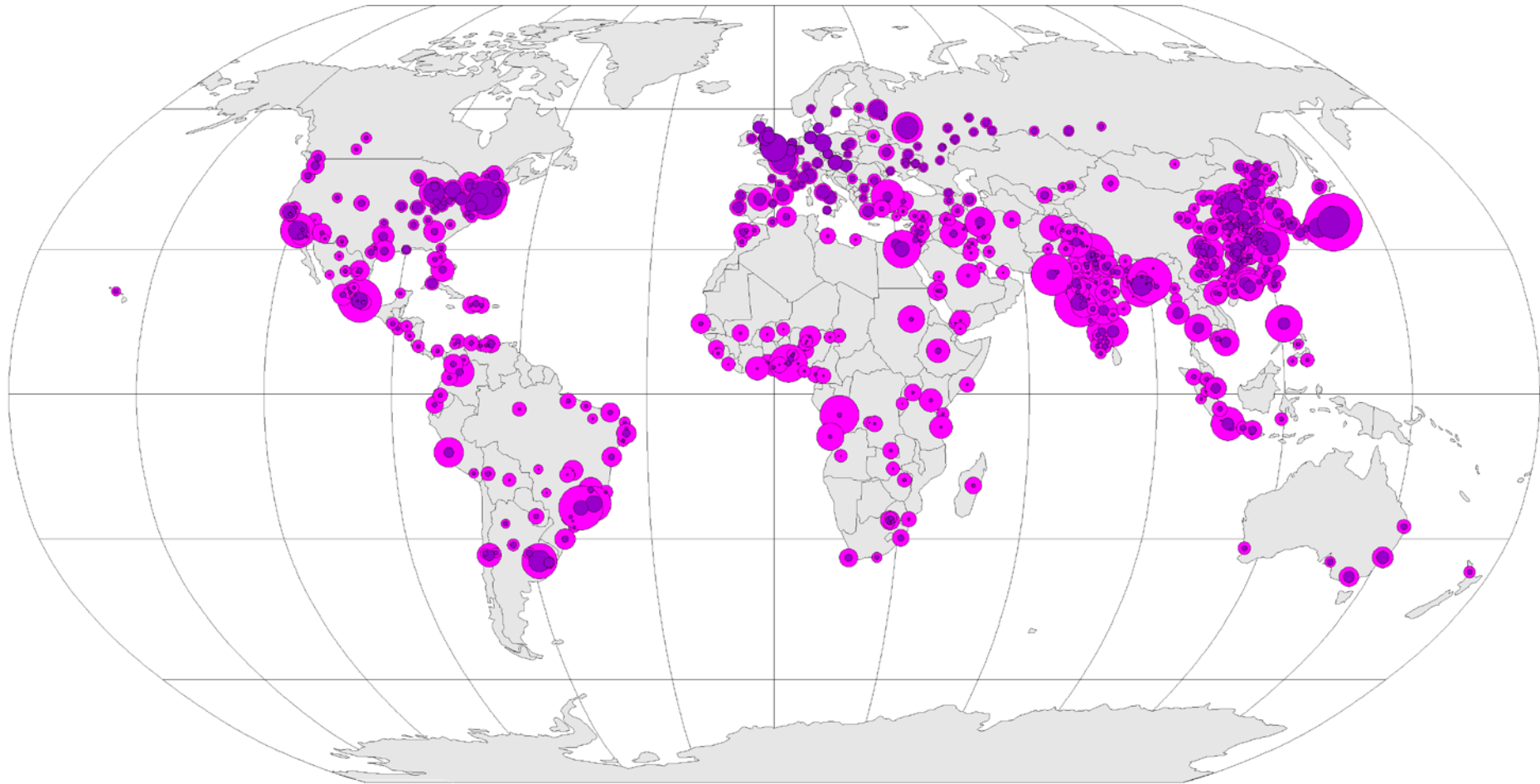
Depuis ce jeudi 13 août, la planète vit sur ses réserves. En moins de huit mois, "l'humanité a consommé toutes les ressources naturelles disponibles pour une année entière", selon l'organisation écologiste Global Footprint Network.

Ce jeudi 13 est donc le "Earth Overshoot Day", le "jour du dépassement". Jusqu'au 31 décembre, les habitants de la planète vivront en surconsommation de ce qu'elle peut produire, selon l'ONG qui estime qu'il faudrait donc 1,6 planète pour continuer à consommer à ce rythme chaque année.

La consommation en carbone représente "plus de la moitié" de ces réserves naturelles consommées, ajoute l'ONG, qui dit son espoir que la Conférence internationale sur le climat (COP-21), en décembre prochain à Paris, puisse apporter des solutions à ce problème.

L'évolution est très rapide puisqu'en 1970, le "jour du dépassement" n'était survenu que le 23 décembre, selon les militants écologistes. Mais depuis, sa date n'a cessé d'avancer dans l'année: 3 novembre en 1980, 13 octobre en 1990, 4 octobre en 2000, 3 septembre en 2005, 28 août en 2010. L'année dernière, c'était le 17 août. Cette évolution est "une indication claire que le processus d'épuisement des ressources naturelles s'accélère", estime l'organisation écologiste, dont le siège est à Oakland, en Californie.

# Agglomerationen 1950-2050

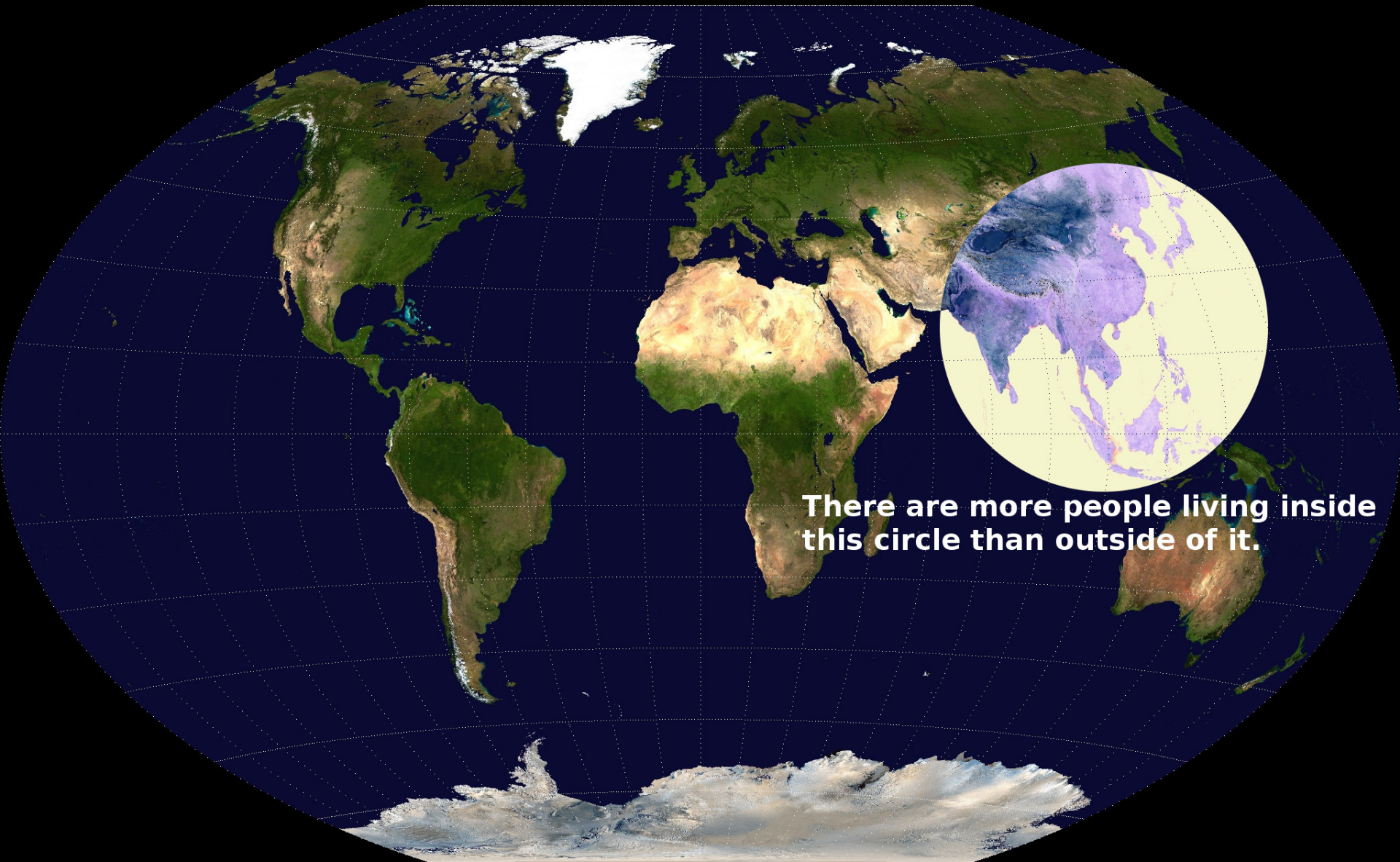


Einwohner (x 1000)



6066 12132 18198 24264 30330 36400

1950 2050



**There are more people living inside  
this circle than outside of it.**

# Ενέργεια



# Απορρίμματα



# space required to transport 60 people



car



bus



bicycle

WATER IS  
NATURE'S  
SILENT  
CURRENCY





# Walk This Way: Making the right choices to reduce your water footprint



**= 1 GALLON DIRECT USE: THE WATER THAT YOU ACTUALLY USE.**



**= 1 GALLON VIRTUAL USE: THE WATER THAT HELPED MAKE THE THINGS YOU USE.**



## Rise & Shine Breakfast Lunch Dinner Cleaning Up Energy

**TOILET** 6 gallons/flush



★★★★★

**LOW-FLOW TOILET** 1.3 gallons/flush



★

**SHOWER** 10 MINUTES 3.8 gallons/minute



★★★★★

**LOW-FLOW SHOWER** 10 MINUTES 2.3 gallons/minute



★★★★

**FAUCET** 1 MINUTE 5 gallons/minute



★★★★★

**LOW-FLOW FAUCET** 1 MINUTE 1.5 gallons/minute



★★

TOTAL: 49 GALLONS

TOTAL: 25.8 GALLONS

AMOUNT SAVED: 23.2 GALLONS

**COFFEE** 37 gallons



★★★★★

**TEA** 9 gallons



★★★★★

**EGGS** TWO OF THEM 36 gallons/egg



★★★★★

**CEREAL** WITH MILK 22 gallons



★★★★★

**APPLE** 18 gallons



★★★★★

**ORANGE** 13 gallons



★★★★★

TOTAL: 127 GALLONS

TOTAL: 44 GALLONS

AMOUNT SAVED: 83 GALLONS

**SODA** 16 OZ. BOTTLE 33 gallons



★★★★★

**WATER** 16 OZ. GLASS .125 gallons



★★★★★

**HAMBURGER** 63.4 gallons



★★★★★

**SALAD** 1/2 TB. LETTUCE 1/2 TB. TOMATO 1/4 TB. CARROTS 31 gallons



★★★★★

TOTAL: 667 GALLONS

TOTAL: 31.125 GALLONS

AMOUNT SAVED: 635.875 GALLONS

**BEEF** ONE POUND 1,500 gallons



★★★★★

**WINE** ONE GLASS 31 gallons



★★★★★

**BREAD** TWO SLICES 11 gallons/slice



★★★★★

**DISH WASHING** BY HAND 20 gallons



★★★★★

TOTAL: 1573 GALLONS

**CHICKEN** ONE POUND 287 gallons



★★★★★

**BEER** ONE PINT 20 gallons



★★★★★

**BAKED POTATO** 7 gallons



★★★★★

**DISH WASHING** W/ ENERGY STAR DISH WASHER 4 gallons



★★★★★

TOTAL: 318 GALLONS

AMOUNT SAVED: 1,255 GALLONS

**WASHING MACHINE** 40 gallons



★★★★★

**WASHING MACHINE** ENERGY STAR 2.2 gallons



★★★★★

**TOILET** 6 gallons/flush



★★★★★

**LOW-FLOW TOILET** 1.3 gallons/flush



★★

**BATH** 35 gallons



★★★★★

**NO BATH** 0 gallons

★★★★★

**FAUCET** 1 MINUTE 5 gallons/minute



★★★★★

**LOW-FLOW FAUCET** 1 MINUTE 1.5 gallons/minute



★★

TOTAL: 46 GALLONS

TOTAL: 2.8 GALLONS

AMOUNT SAVED: 43.2 GALLONS

**NUCLEAR** 25.5 gallons/day/ household



★★★★★

**SOLAR** 24.5 gallons/day/ household

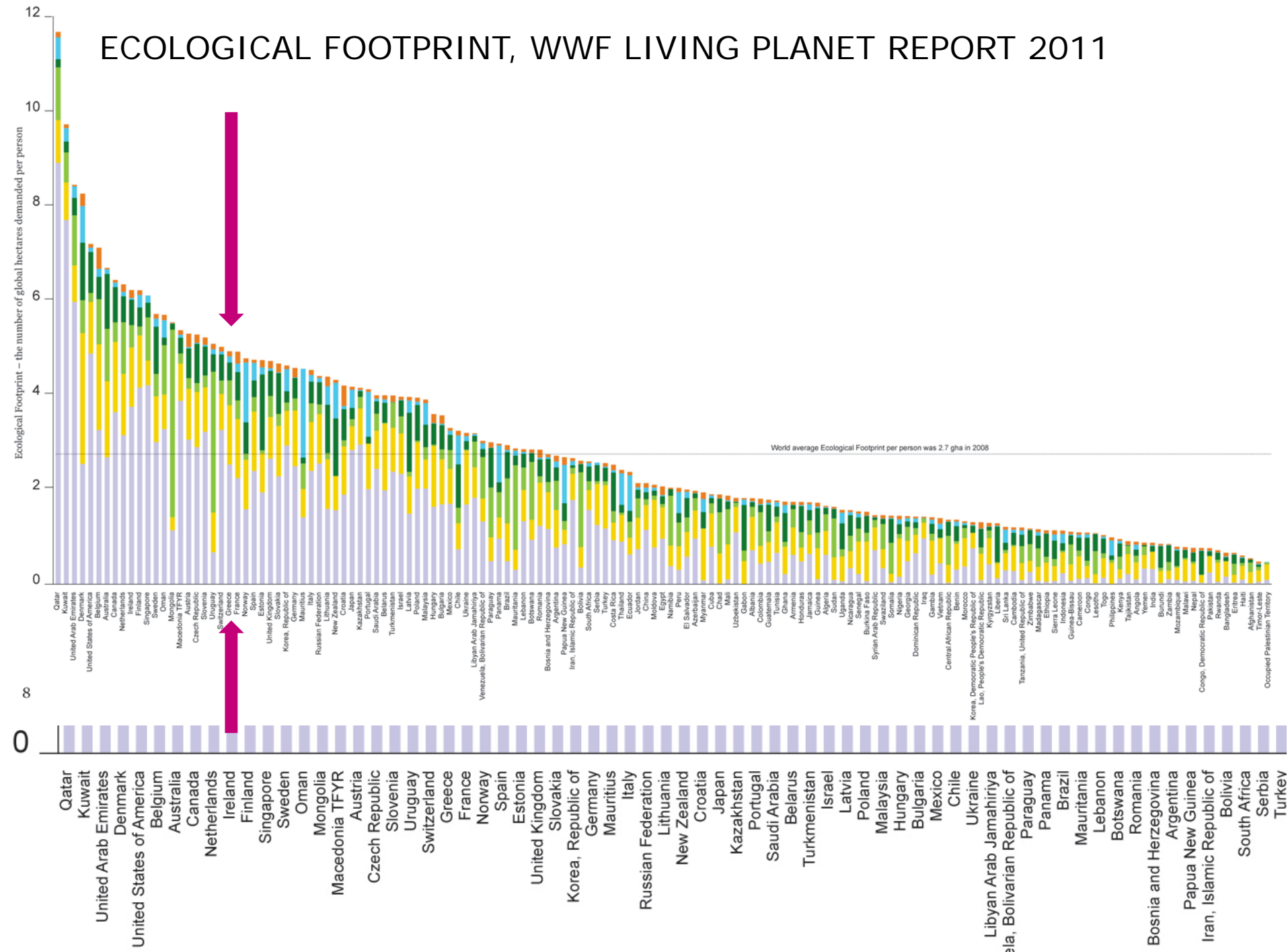


★★★★★

AMOUNT SAVED: 230.5 GALLONS

**TOTAL SAVED: 2,270.75 GALLONS**

# ECOLOGICAL FOOTPRINT, WWF LIVING PLANET REPORT 2011



# Πρόσφυγες της κλιματικής αλλαγής

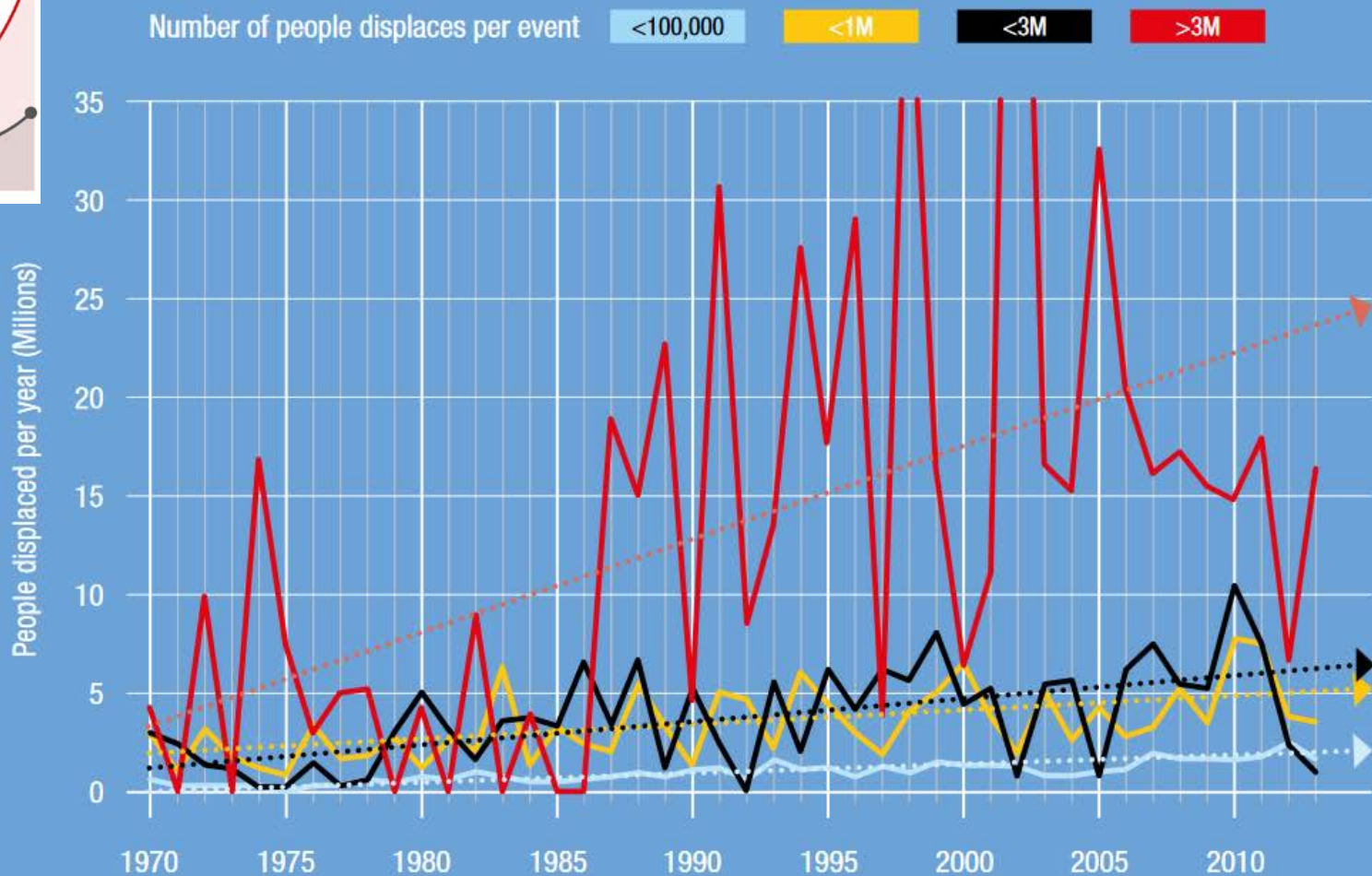
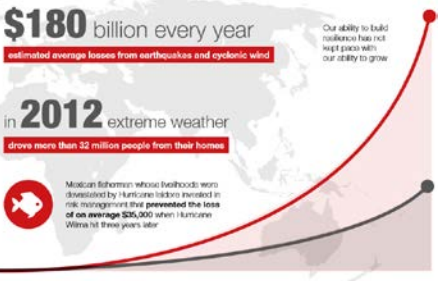


Figure 2: Global trend in absolute displacement risk 1970 – 2013

Source: IDMC, 2015



Blue-Green + Social Infrastructure

**Small Scale – Big Impact**

**Multi-functional Layers**



Dr. Yu Kongjian

Principal of **Turenscape**



Herbert Dreiseitl

Founder of **Atelier Dreiseitl**, LCL Ramboll MC GmbH



# Dr. Yu Kongjian

Small feet Urbanism – Revolution



# Herbert Dreiseitl

Water + Philosophy



Turenscape

Sanlihe River





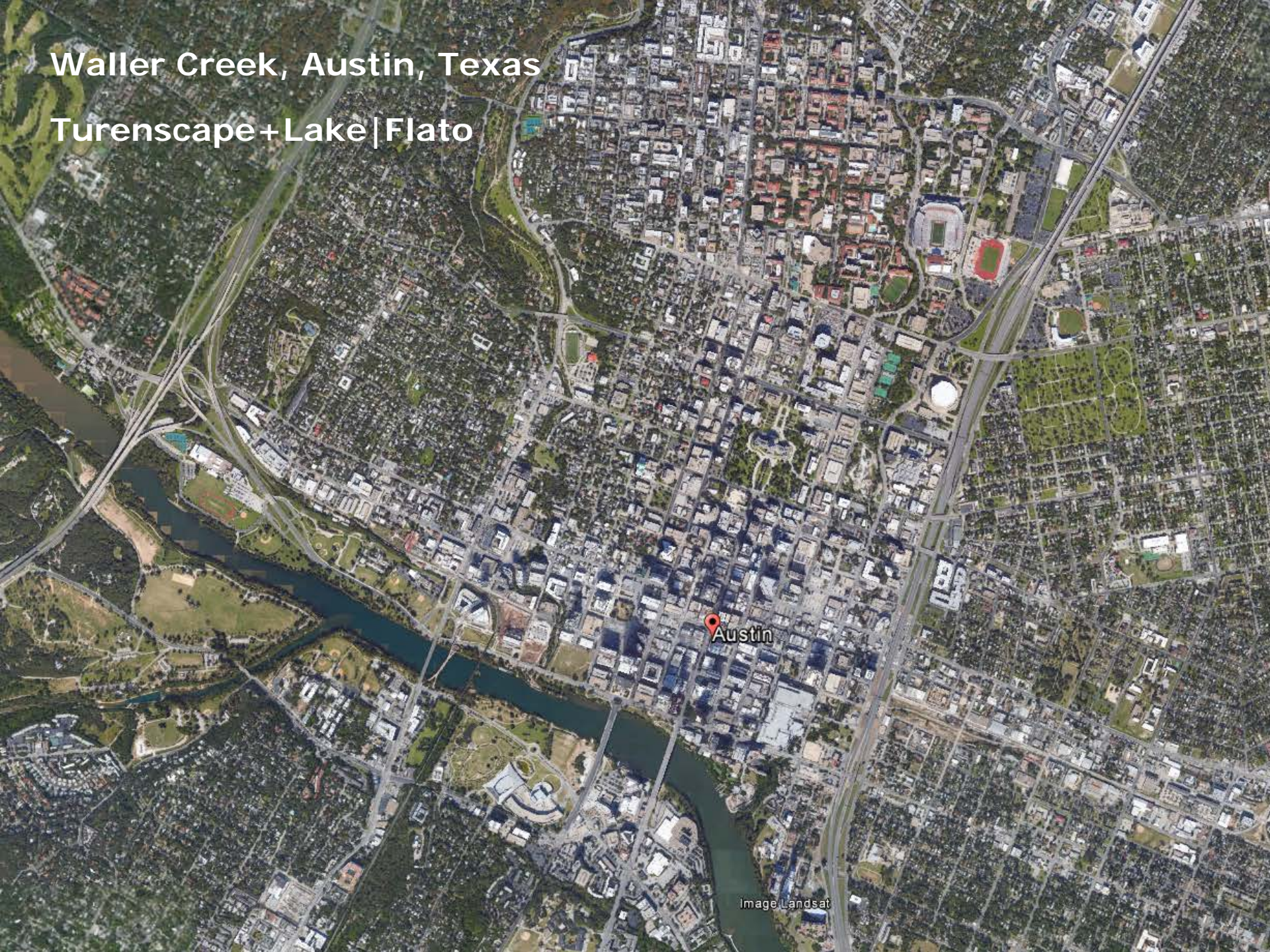
Turenscape

Sanlihe River



# Waller Creek, Austin, Texas

Turenscape + Lake | Flato



Austin



**WARNING  
GAS  
PIPELINE**

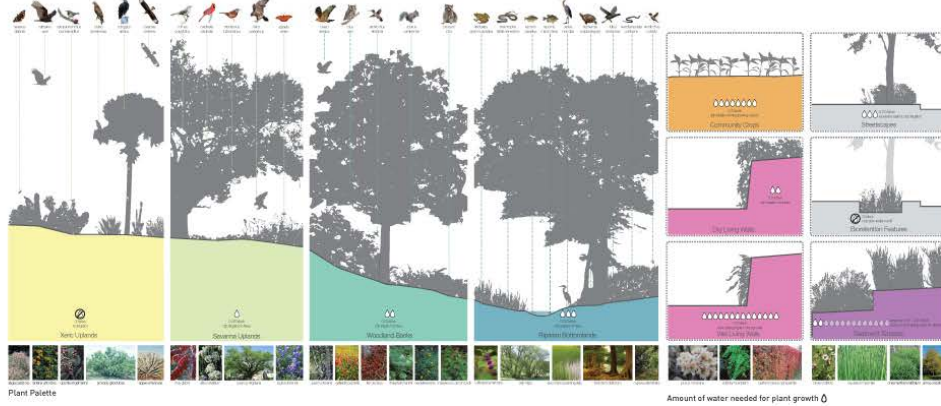
# Waller Creek, Austin, Texas

Turenscape+Lake|Flato

- 11 acres (4 ha) of new land open for development
- Connectivity – green space
- Flood protection
- Ecological rehabilitation







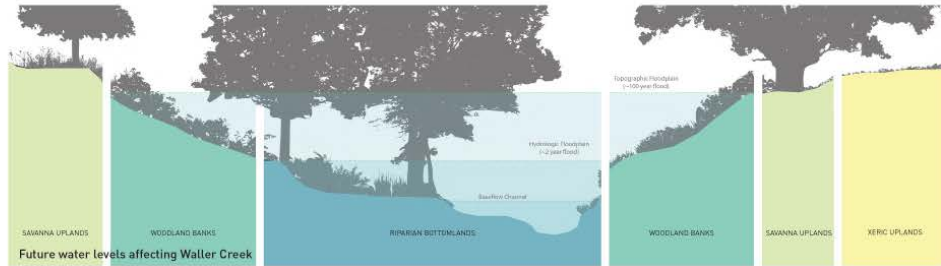
Plant Palette

Amount of water needed for plant growth

Habitat Map color coded

## WATER

Because water is the basis of all life and the essence of the Oasis, we began with a thorough examination of its flows...where does it come from, how do different storm events influence its expression and what are the hydrologic needs of the plant communities we will be restoring.



Future water levels affecting Water Creek



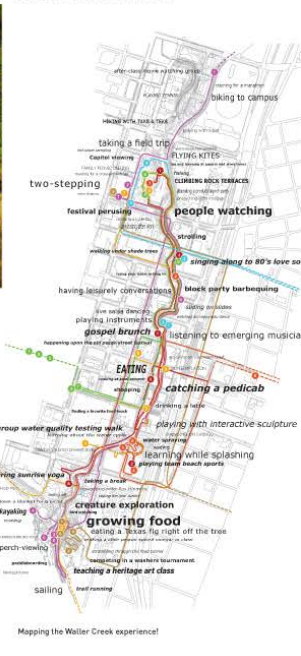
Harvest all the water sources in the basin



## HUMAN EXPERIENCE

Water Creek will be a fantastic place to play, learn and socialize. The open-ended adventure of the walkway, platforms and creek environment will be complemented by formally programmed destinations throughout the corridor. The profiles below offer a glimpse into this future.

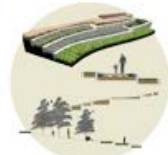
Personal Oasis	Day Out with Kids	The "Real Texas" Experience	Ladies Night Out	Through a Child's Eyes	Family Tradition
<p>South Austin visits Water Creek to explore a new oasis.</p>	<p>Family fun at the new playground and splash pad.</p>	<p>Experience the 'Real Texas' experience with live music and local food.</p>	<p>Ladies night out at the new lounge and bar.</p>	<p>Family fun at the new playground and splash pad.</p>	<p>Family fun at the new playground and splash pad.</p>
<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>	<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>	<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>	<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>	<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>	<ol style="list-style-type: none"> <li>1. A new oasis for the community.</li> <li>2. A new oasis for the community.</li> <li>3. A new oasis for the community.</li> <li>4. A new oasis for the community.</li> <li>5. A new oasis for the community.</li> <li>6. A new oasis for the community.</li> </ol>



Mapping the Water Creek Experience

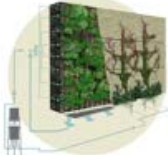
# THE FARMER'S TOOLBOX

The transformation of Waller Creek will be a dynamic process, guided by the concepts laid out in this proposal, but flexible to respond to emergent opportunities. Our designs are built from a simple collection of practices that constitute the "farmer's toolbox."



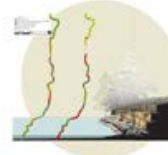
## TERRACES

From subtle microterracing to bioengineered walls, sloped topography keeps soil on the slope, treats stormwater and creates creekside habitat.



## LIVING WALLS

Limestone and concrete materials excavated from the cuts will be recycled on site to act as substrate for wet and dry living walls.



## BIOENGINEERING

Stable and vegetated creek banks are key to fostering diverse habitats and ensuring hydrological and biological connectivity throughout the corridor.

## EARTHWORK



## SMART STORMWATER

The most important source of water for the Oasis is rain, a precious and limited resource. "Smart" technologies can allow for release rates that mimic slower predevelopment conditions.



## RECLAIMED WATERS

Reclaimed wastewater, recirculation water from the Waller Creek Tunnel, graywater from surrounding buildings, and even air conditioner condensate can all support the Oasis.



## WATER TOWERS

The system is a classic Texas technology that brings together vernacular character and ecological performance.

## IRRIGATION



## BIG TREES

The most efficient means of achieving an inviting Oasis under drought conditions is a robust and resilient urban forest canopy.



## SOLAR CANOPIES

A pole, cable and canvas system will provide shade and carry solar panels, vines and lighting. At bridge crossings the solar canopies form gateways that signal the presence of the creek.



## DARKNESS

Making Waller Creek a safe and comfortable place to enjoy the outdoors at night doubles its value as a catalyst for urban vitality.

## SHADE



## ADAPTIVE PALETTES

Our approach to the establishment of the Balcones Fault and Colorado River Terrace habitats discussed later in this section is inspired by restoration ecology practices.



## DESIGNED EXPERIMENTS

Experiments can compare a variety of active and passive approaches to specific species mixes, soil improvement, irrigation, disease control, invasive plant management and more.



## URBAN AGRICULTURE

Community gardens, food forests and other innovative and collaborative forms of urban agriculture can provide products and pleasures for area residents.

## GROWTH



## WALKWAYS

A braided network of trails will be built along the creek banks for discovering all the special places of Waller Creek. A main walkway will be reached by numerous access ramps.



## PLATFORMS

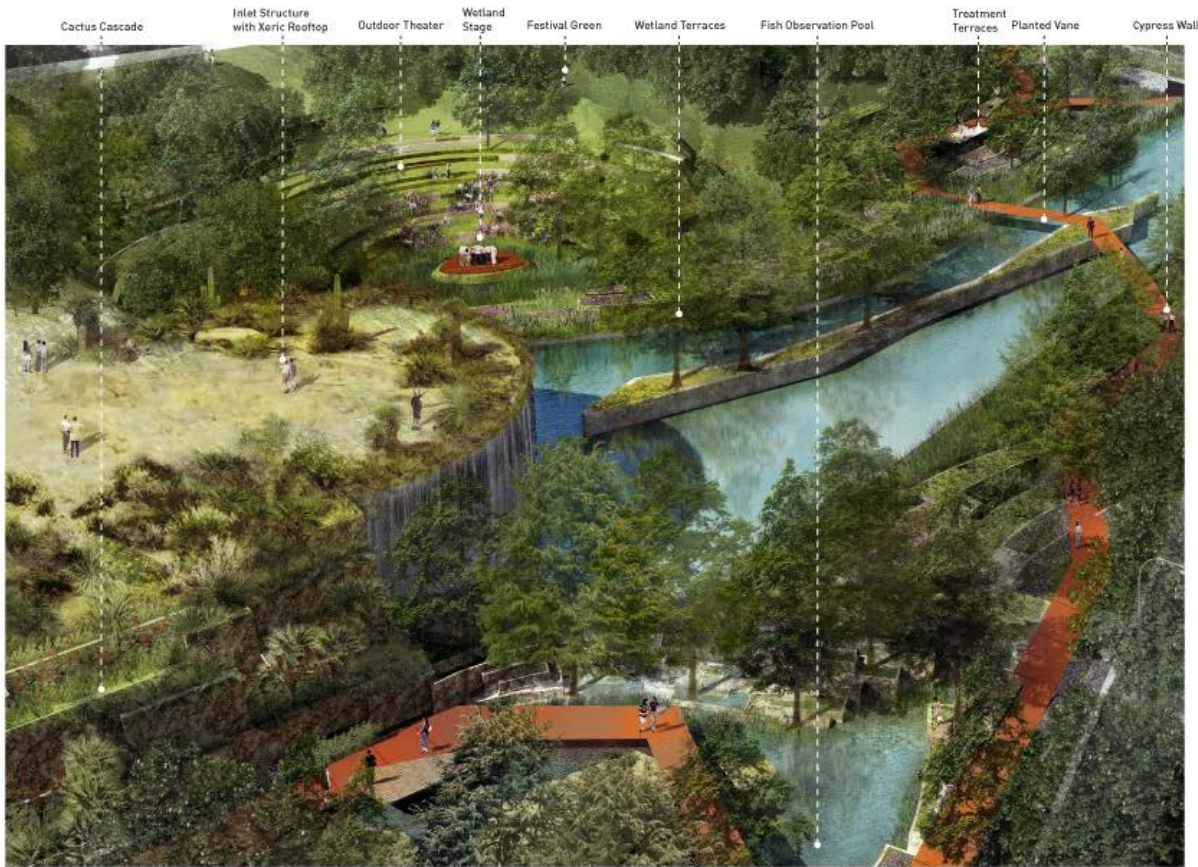
Wooden platforms will be built from "sinker cypress" reclaimed from Texas baysou. These platforms will be located in comfortable shaded locations along the main walkway.



## PLAYSCAPES

Each park will have a unique play focus so that together they provide for a wide range of family-friendly activities and take advantage of the distinct cues and resources of each place.

## CELEBRATION



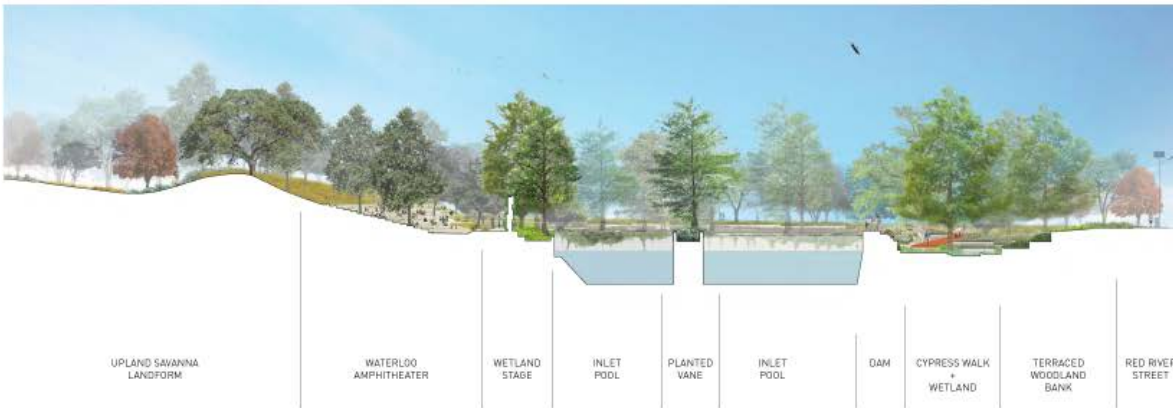
View of Waterloo Park from Red River



Waterloo Park Plan

# WATERLOO PARK

The Waller Creek Tunnel project is generating countless cubic yards of material that is being trucked offsite. We propose that a small part of that earth be used to create a dramatic landform in Waterloo Park that simultaneously buries most of the inlet structure and creates a flexible terraced amphitheater for large events like SXSW as well as weekly movie nights and intimate story times at the stage. Wetland terraces and a wet living wall form a green stage backdrop. While parents enjoy a performance, their kids can scramble up and down the limestone outcrops and descend to the pond to visit with frogs and fish.



3. Section at Amphitheater looking Northeast



Shaded amphitheater



Upland Savannah on Capitol Hill





Looking Northeast at 7th Street

# MUSIC BEND

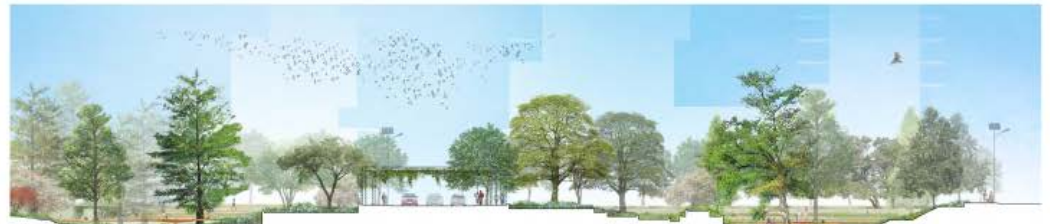
Music Bend will be an extension of the Red River music scene. This park, dedicated to the dissemination of music knowledge and appreciation, would be most readily implemented in conjunction with redevelopment of the "Music Lofts" blocks to the east once the police station and other city functions are relocated. As an incubator for musical talents, free acoustic sets by visiting musicians will be hosted by local radio stations and a "musicians in the park" program will showcase new talent. Families with children can experience sound and music in new ways through climbable sound sculptures and the instrument lending library.



Outdoor dining



View of Music Bend from 7th Street Bridge



CYPRESS WALK + RIPARIAN BOTTOMLANDS WITH WOOD TERRACES BEYOND | WOODLAND TERRACES | 8TH STREET + SOLAR CANOPY | WOODLAND TERRACES | CYPRESS WALK + RIPARIAN BOTTOMLANDS WITH WOOD TERRACES BEYOND | 7TH STREET

4. Section Looking East at 8th Street



Wading across Palm pools



CAFE PLATFORMS

WOODLAND TERRACES

CYPRESS WALK

WADING POOLS + PLATFORMS

WATER CLEANING TERRACES

URBAN BEACH

THE HYDRO CENTER AT PALM SCHOOL

5. East/West Section from Creek to Palm School

Water Tower Urban Beach Cafe Platforms Wet Living Wall Cypress Walk Wading Pools Lounging Platforms Treatment Terraces Observation Deck



View from 1-35

# PALM PARK

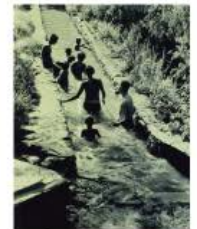
Palm Park will be a family-friendly water playscape, with constructed wetland terraces naturally cleaning and recirculating the play water. Families from East Austin and beyond will make this their favorite hot day destination to revel in fountains, wading pools, acequia, spray pads and a plunge pool. Visitors can also enjoy the urban beach next to the Hydro Center for volleyball, sand castles and concessions. The Hydro Center, an adaptive reuse of the Palm School, will host diverse educational programs that revolve around the Creek and Lady Bird Lake as an outdoor education resource.



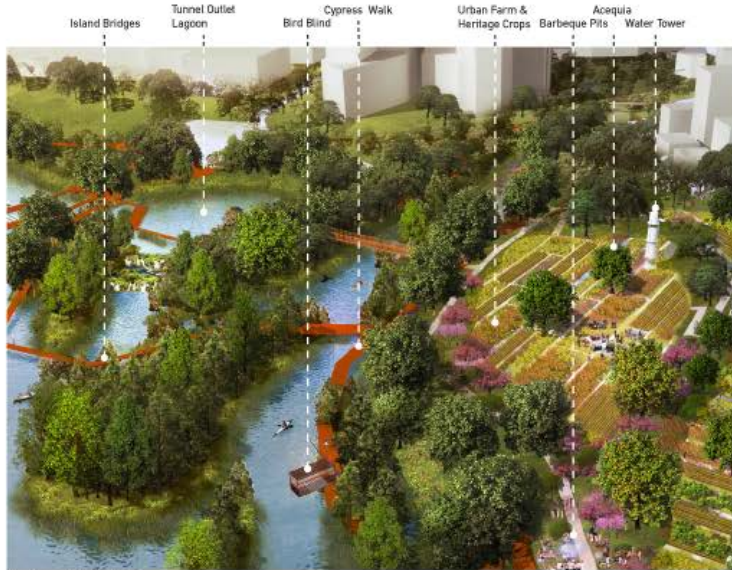
Blanco Narrows



Playing in the sand



Acequia



View from Lady Bird Lake

# LADY BIRD PARK

Lady Bird Park will sit at the confluence of Waller Creek and Lady Bird Lake. Here, the delta landscape opens up to allow a diversity of immersive experiences, from bird watching and nature walks to urban farming and large family gatherings. The walkway and platforms of the Cypress Walk will link up with the trail ringing Lady Bird Lake. At Lady Bird Park, families come together to learn about and enjoy food with tremendous views over the Lake. The park will have play gardens for digging and planting, interactive canals, and lots of barbecue pits and picnic areas.



Community Garden



Exploring nature



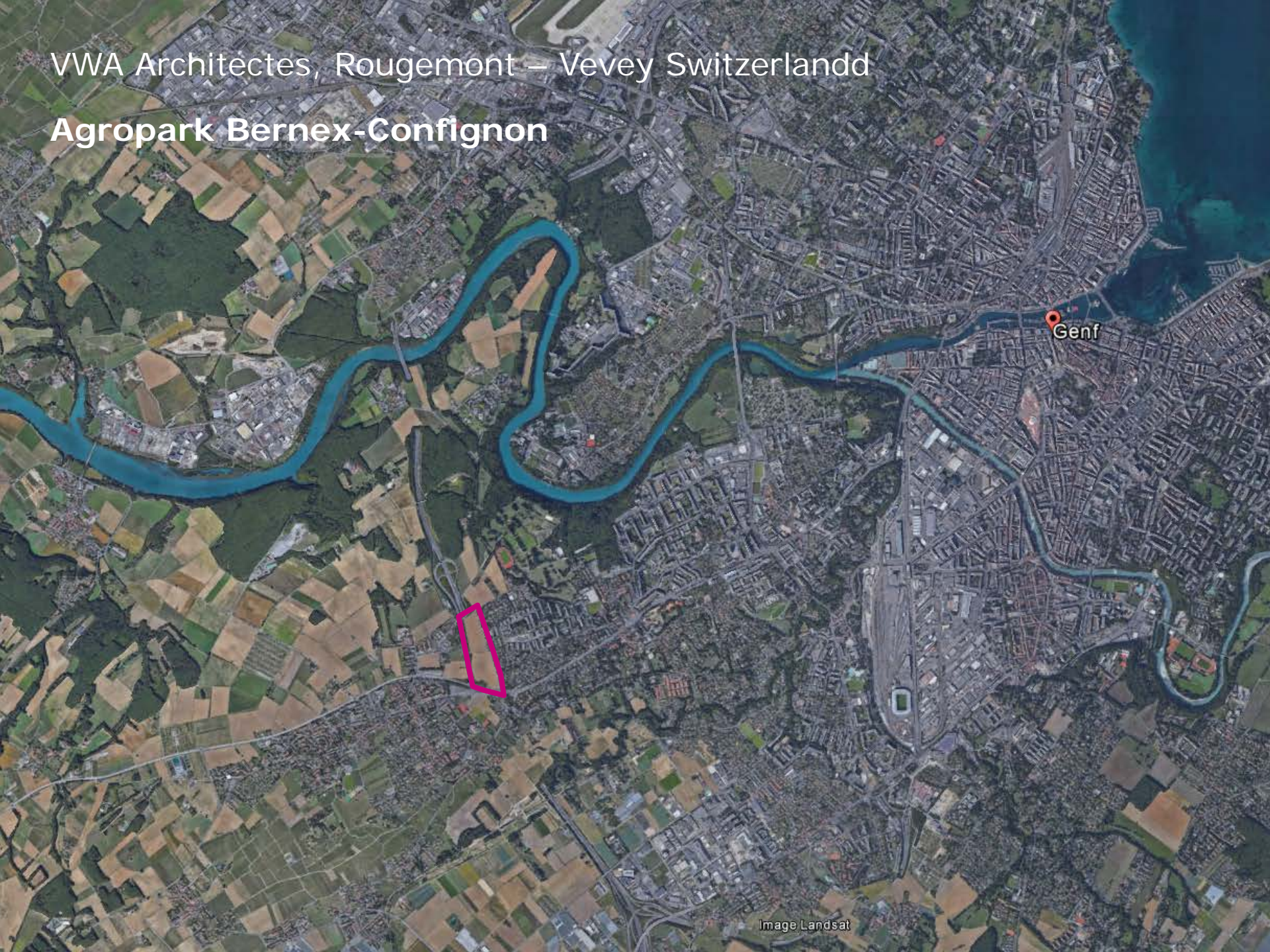
Kayaking amongst the islands at Lady Bird Park



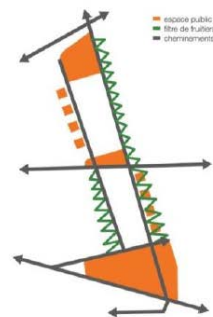
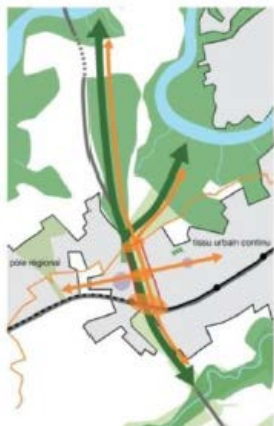
6. East/West Section at Tunnel Outlet and Creek



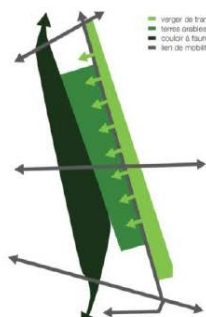
VWA Architectes, Rougemont – Vevey Switzerlandd  
**Agropark Bernex-Confignon**



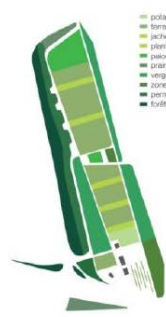
# Agropark Bernex-Confignon



Structure



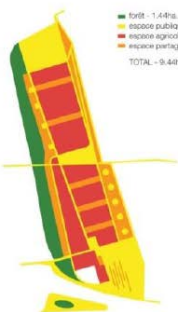
Perméabilité



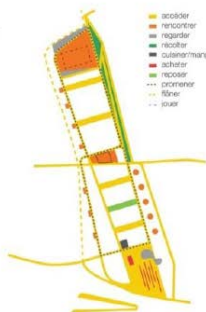
Végétation



Eau



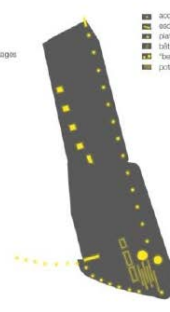
Gestion



Usages publics



Mobilité douce



Éclairage



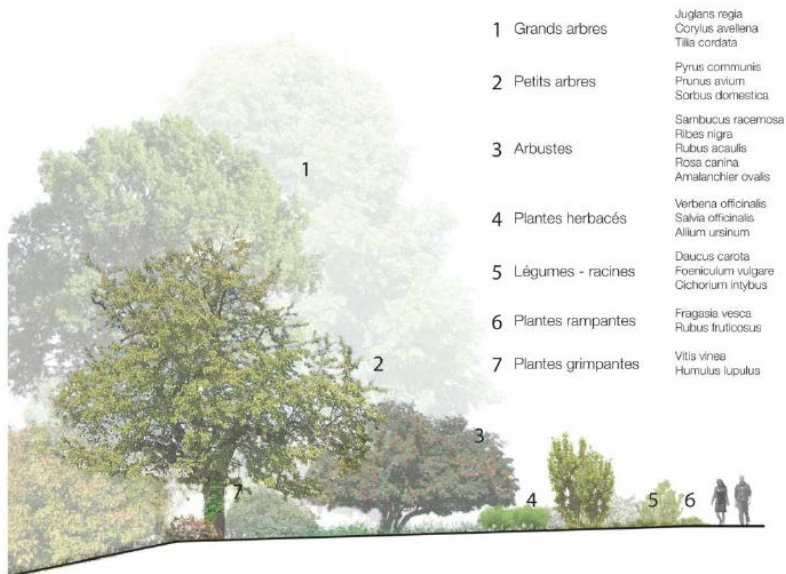
# Agropark Bernex-Confignon



Hutins - Échelle 1/100



Vergers intensifs - Échelle 1/100



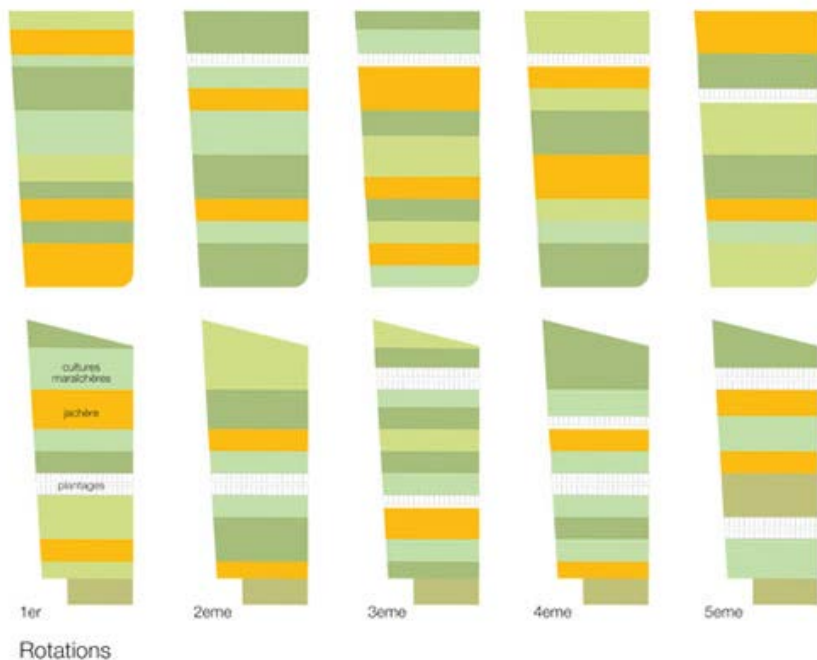
Lisière en permaculture - Échelle 1/100

- |                      |  |
|----------------------|--|
| 1 Grands arbres      | Juglans regia<br>Corylus avellana<br>Tilia cordata                                     |
| 2 Petits arbres      | Pyrus communis<br>Prunus avium<br>Sorbus domestica                                     |
| 3 Arbustes           | Sambucus racemosa<br>Ribes nigra<br>Rubus acaulis<br>Rosa canina<br>Amelanchier ovalis |
| 4 Plantes herbacées  | Verbena officinalis<br>Salvia officinalis<br>Allium ursinum                            |
| 5 Légumes - racines  | Daucus carota<br>Foeniculum vulgare<br>Cichorium intybus                               |
| 6 Plantes rampantes  | Fragaria vesca<br>Rubus fruticosus   |
| 7 Plantes grimpantes | Vitis vinifera<br>Humulus lupulus  |



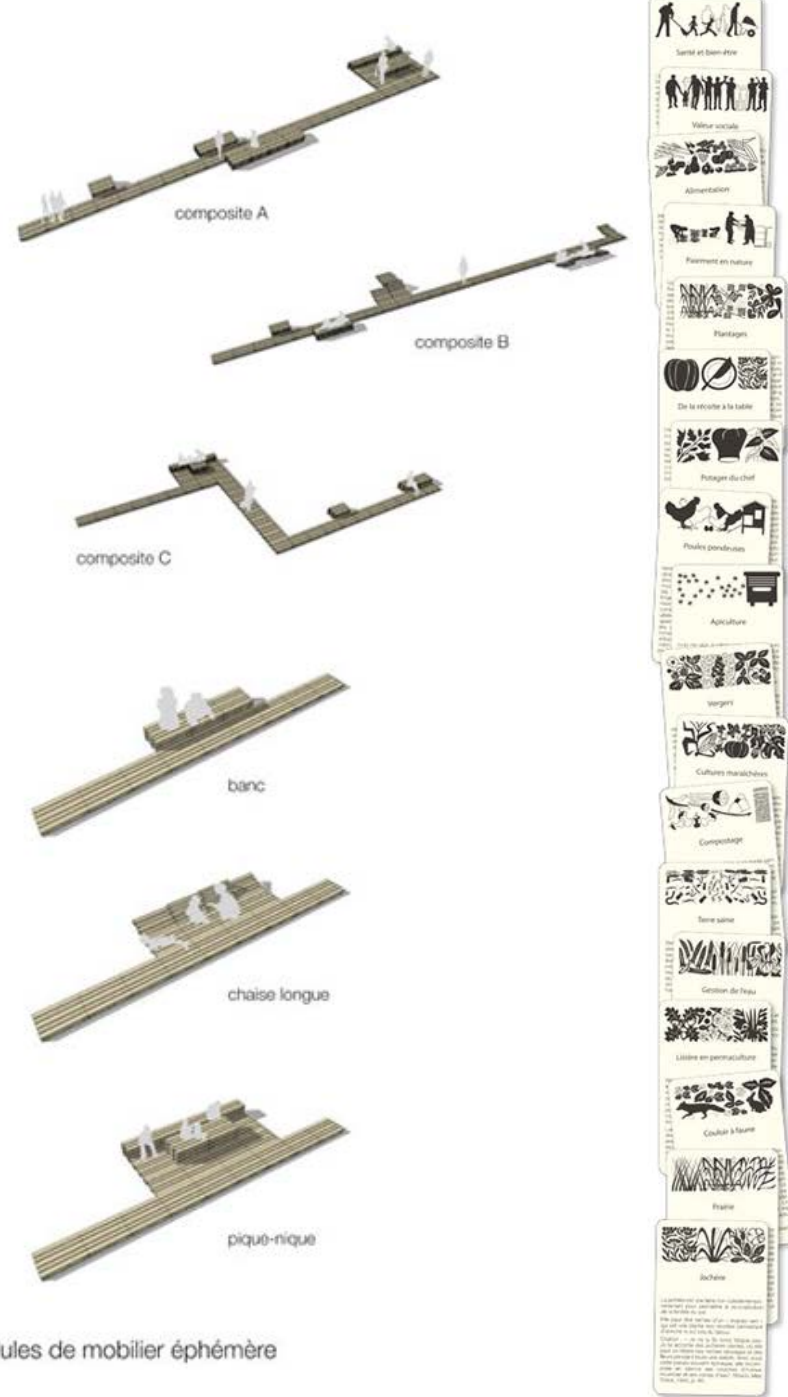
# Agropark Bernex-Confignon

- Integrating the uses of farm and park
- Mixed program



Innovative ways to use the productive land parcels in the Agro-park:

- Crop Rotation
- Permaculture
- Hutin
- Productive Street
- Intensive Orchard with bee-hives
- Vegetable Fields and small cultures





# Agropark Bernex-Confignon



Vue des plantages, cultures maraîchères et la lisière en permaculture

# Agropark Bernex-Confignon



Vue depuis le "beautiful bridge" sur l'esplanade maraîchère, la cuisine didactique, le restaurant, le potager du chef et les cultures maraîchères

# Agropark Bernex-Confignon

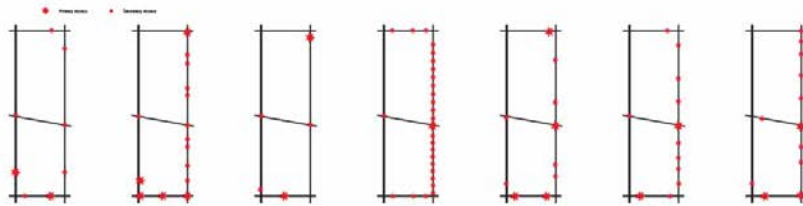
FIRST PRIZE    SECOND PRIZE    THIRD PRIZE    FOURTH PRIZE    FIFTH PRIZE    MENTION ONE    MENTION TWO

## Site Plans



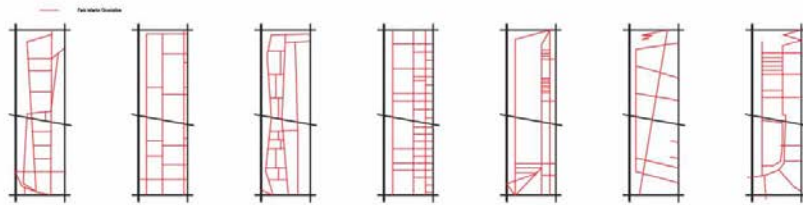
## Access

Notes: There was a variety of access point distribution across the entries, with main access focused at Route de Chaney.



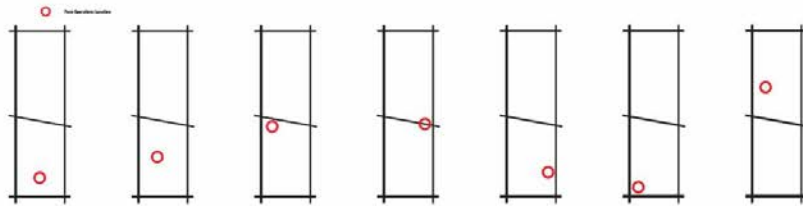
## Circulation

Notes: Circulation focused on several strategies, often with a main longitudinal bisector through the site. Successful entries incorporated a gridded system that allowed for the organization of the fields.



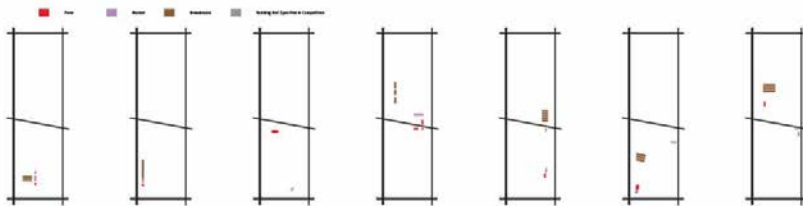
## Farm Location

Notes: Typically the farm was brought to Route de Chaney or Ch de Suzettes, for access and public view.



## Buildings

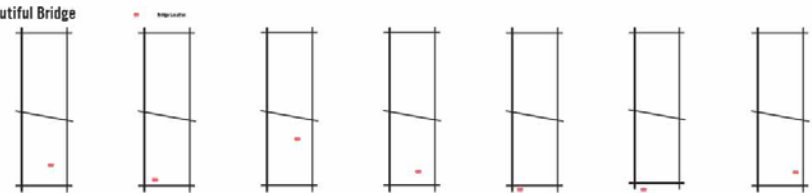
Notes: Teams that brought publicly functioning buildings nearer to agricultural buildings were favored.



FIRST PRIZE    SECOND PRIZE    THIRD PRIZE    FOURTH PRIZE    FIFTH PRIZE    MENTION ONE    MENTION TWO

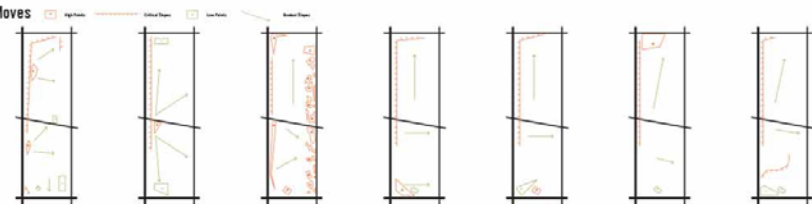
## Location of Beautiful Bridge

Notes: Bridge location varied in the projects, but was kept south of Ch. des Suzettes.



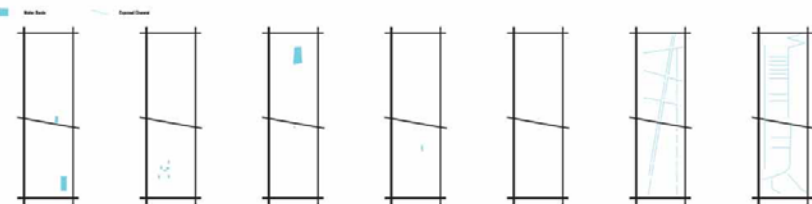
## Topographical Moves

Notes: Teams used topography to create better views of the fields, as well as move water across the site.



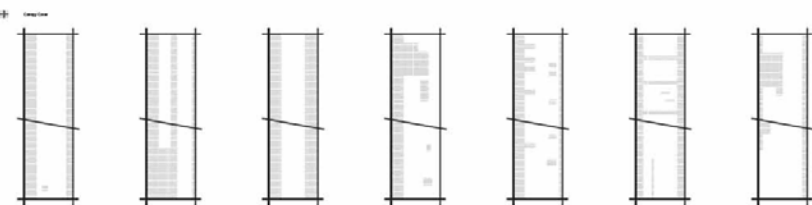
## Water

Notes: Water treatments varied in the entries, responding to designed topographical moves.



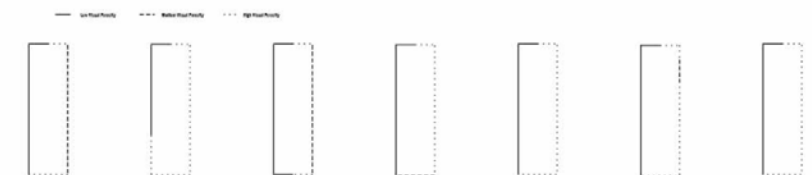
## Canopy

Notes: More successful entries relegated canopy coverage to the edges to not shadow crops.



## Visual Porosity

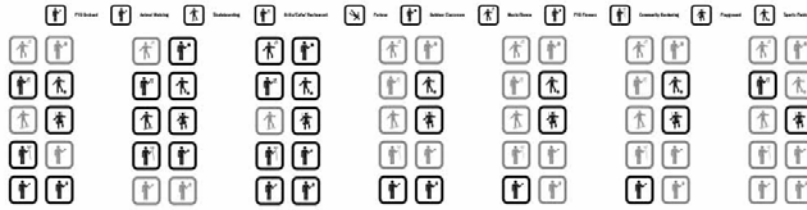
Notes: More successful entries allowed for some screening of the neighborhood to the East.



# Agropark Bernex-Confignon

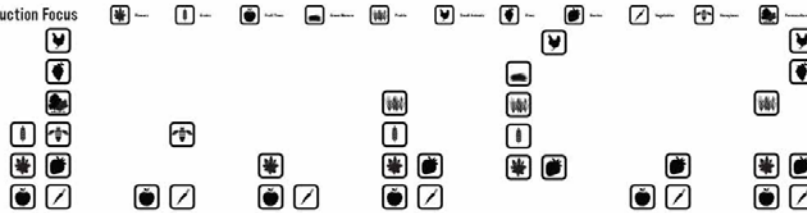
FIRST PRIZE SECOND PRIZE THIRD PRIZE FOURTH PRIZE FIFTH PRIZE MENTION ONE MENTION TWO

## Human Activity



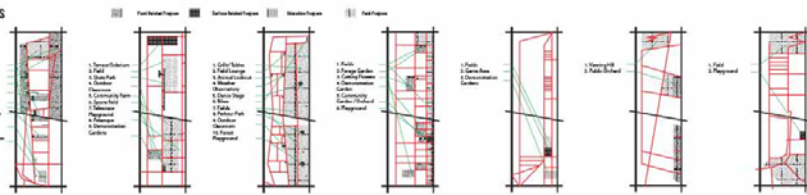
Notes: More successful entries called for specific programmed activities as opposed to flexible space.

## Agricultural Production Focus



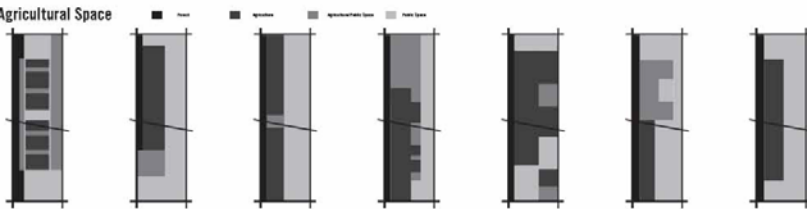
Notes: More successful entries called for the integration of different kinds of agricultural production.

## Program Elements



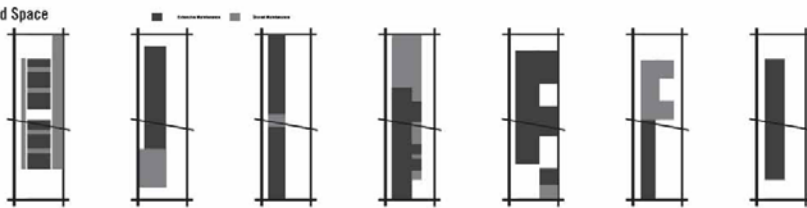
Notes: More successful entries called for specific programmed activities as opposed to flexible space, and allowed for it to share farm area.

## Public Space vs. Agricultural Space



Notes: More successful entries called for spaces that were shared between the farm and the public.

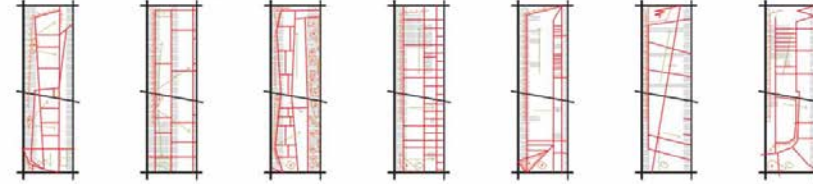
## Farmer Maintained Space



Notes: Integrating maintenance of publicly accessible spaces gave farmers more cultivatable acreage.

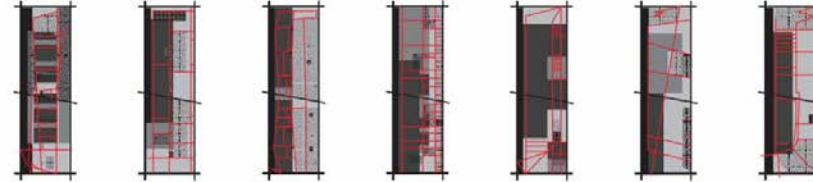
FIRST PRIZE SECOND PRIZE THIRD PRIZE FOURTH PRIZE FIFTH PRIZE MENTION ONE MENTION TWO

## Slopes and Elevation Points, Circulation, and Canopy



Notes: Tree coverage often occurred in areas where topography was difficult to navigate. Some allowed for shaded paths, though this was less successful due to screening crops.

## Program Elements and Public/Agricultural Space



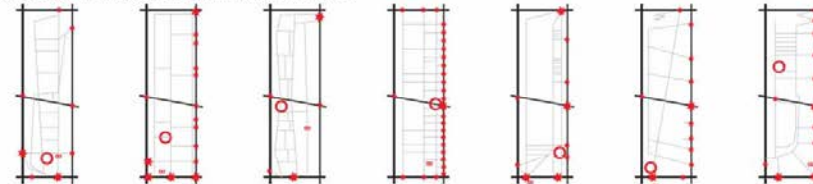
Notes: Most public space was programmed as opposed to flexible. Flexible spaces were more often plaza space.

## Building Locations, Water, Circulation, and Slopes and Elevation Points



Notes: Successful entries kept water management nearer to the farm buildings.

## Farm Location, Beautiful Bridge Location, Circulation, and Access Points



Notes: Successful entries kept the bridge closer to the farm and near access points.

## Building Sections and Facades



Notes: Most entries used contemporary architecture in their themes, inspired by traditional barns and greenhouses. Projects with more developed architecture were more successful.

**Γίνεται σύγχρονη αρχιτεκτονική  
τοπίου στην Ελλάδα;**

# Νέα Παραλία Θεσσαλονίκης

**Population: 1,1 M**

**Green Areas per person: 2.7 sqm/person**

**Green in City: 1.6 sqm/person**

Green Areas per person around the world:

Hage: 27,7 sqm/person

Amsterdam: 27 sqm/person

Vienna: 20 sqm/person

Berlin: 13 sqm/person

Rome: 9 sqm/person

Paris: 8 sqm/person

Washington: 50 sqm/person

**New Waterfront of Thessaloniki:**

**Nikiforidis- Bernard Cuomo Architects**

**Area: 238800.0 sqm**

**Length: 3km**

**2.353 new trees, 118.432 new plants, 58,75 acres of green spaces and 11.557m<sup>2</sup> of playgrounds**

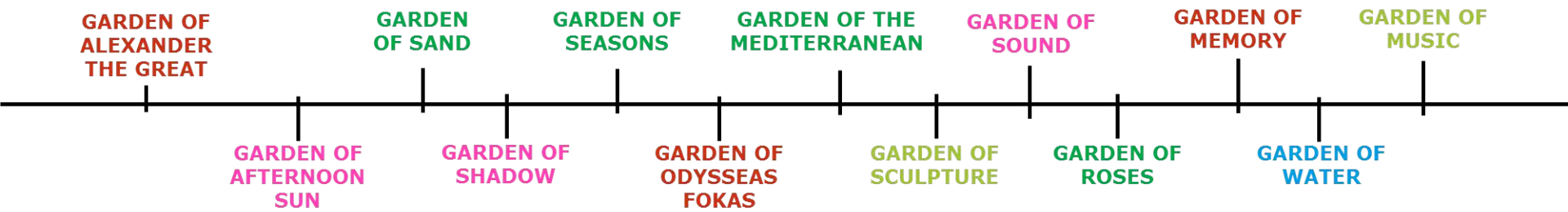
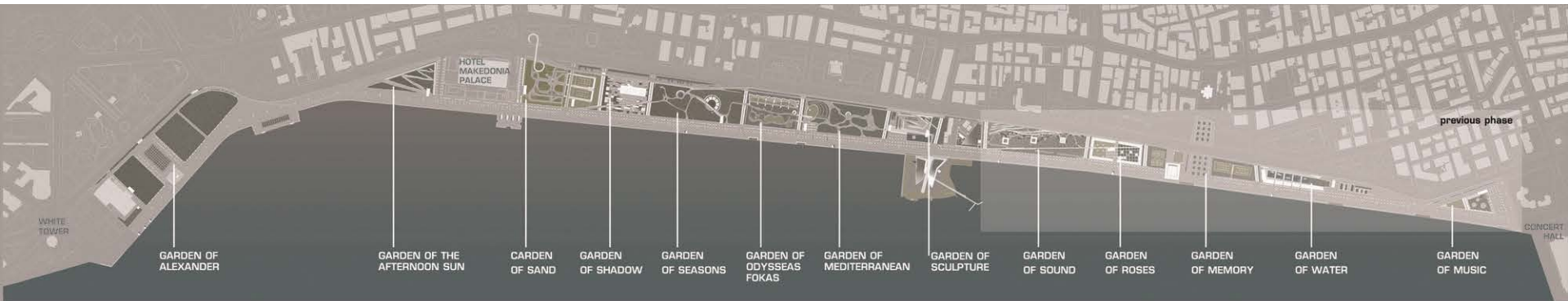
**Phase 1 construction: 2006-2008, around 75800m<sup>2</sup>**

**Phase 2 construction: 2012-2014, around 163000m<sup>2</sup>**



# Νέα Παραλία Θεσσαλονίκης

## Urban Rooms



**MEMORY**

**PLANTING**

**SENSES**

**ART**

**WATER**

# Νέα Παραλία Θεσσαλονίκης





# Νέα Παραλία Θεσσαλονίκης



# Νέα Παραλία Θεσσαλονίκης



*“One’s ideas must be as broad as Nature if they are to interpret Nature.  
When one tries to rise above Nature one is liable to fall below it.”*

**Δήμητρα Θεοχάρη**

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MLA I ap, UTSOA  
Sustainable Design Portfolio Program, UTSOA  
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