

Community Dining

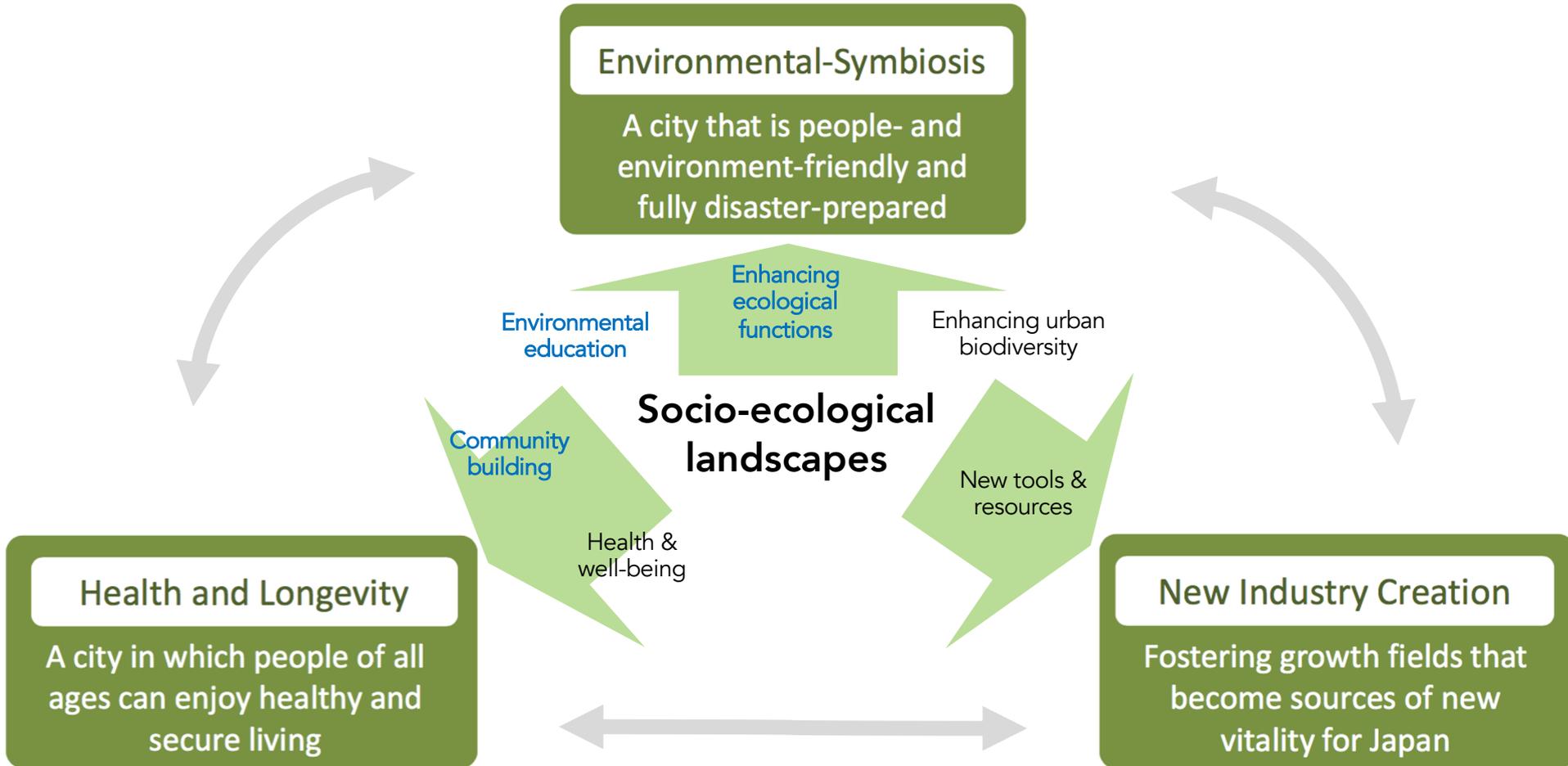


# The LIVING Room

Refresh. Re-charge.

@LaLaport Plaza

# A step toward the Kashiwanoha Smart City Vision – Common grounds



# Similar spaces in the vicinity



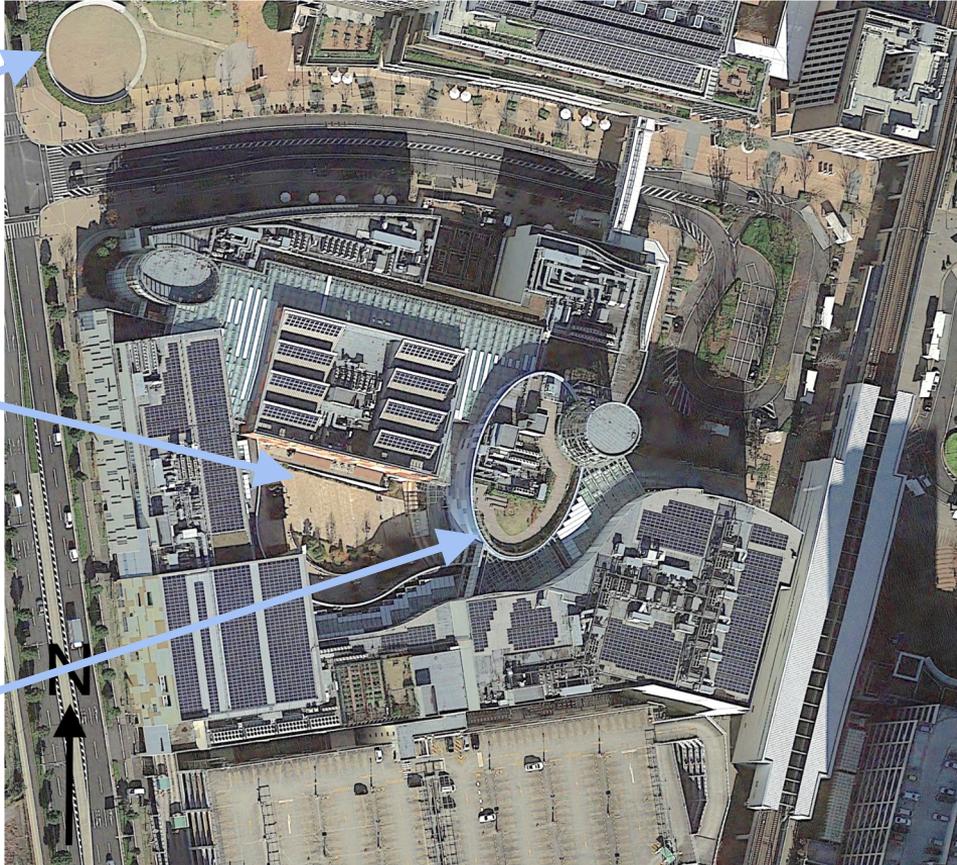
Outdoor



LaLaport Plaza (our site)



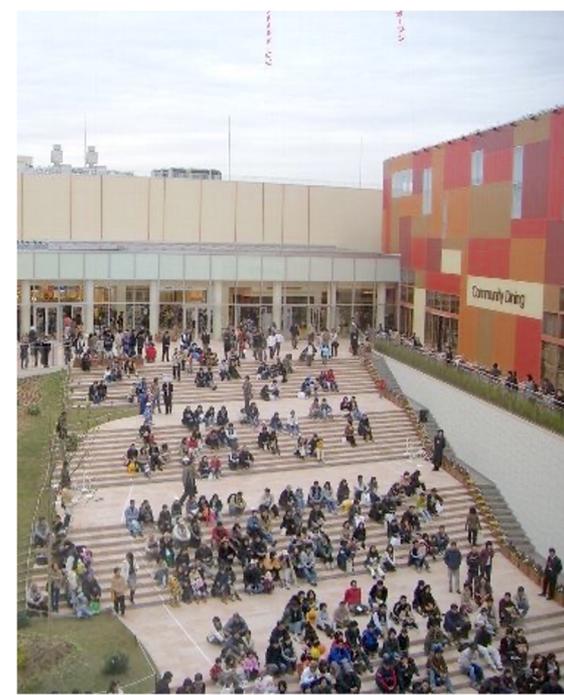
Semi-indoor



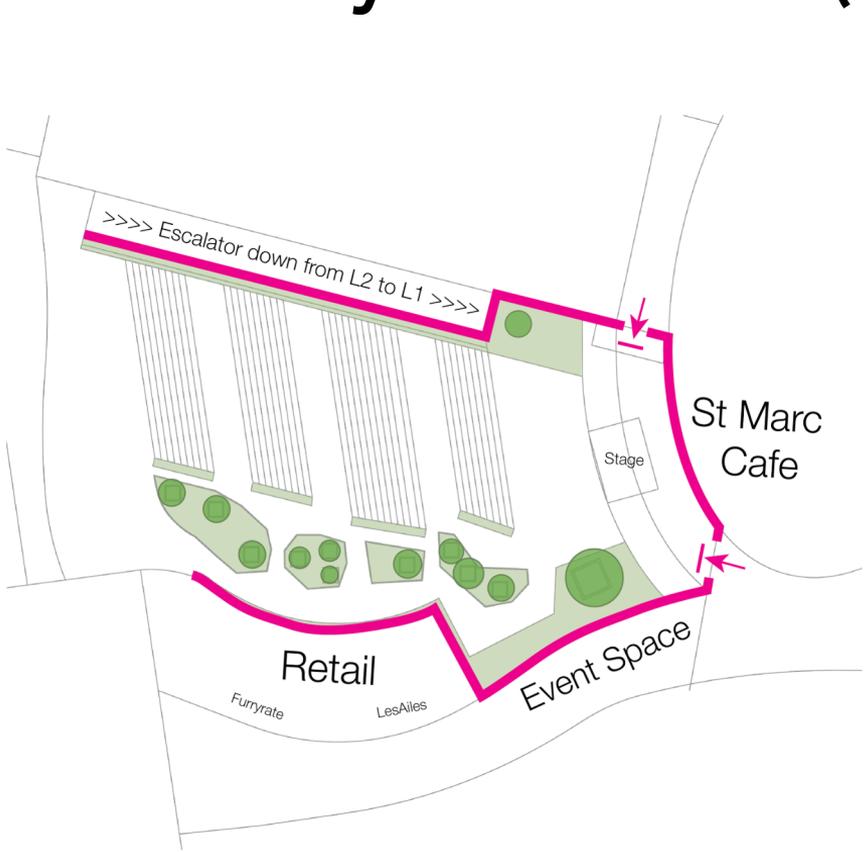
Indoor

# Why this site?

- High visibility & human traffic (especially families with children)
- Relatively large space that can support multiple uses/functions
- Opportunities to optimise ecological function and the seasonality of human use (hourly, weekly, annually)



# Site analysis – 'Social' (accessibility)



Entrance Points – L2



Entrance Points – L3



# Site analysis – 'Blue' & 'Green'

- Water drains toward shrubs along northern fringe
- Most trees provide summer shade along the southern fringe
  - Tree death and conifer dieback observed – Possible root dryness, 'winter burn' due to sun- & wind-induced water loss



# Key Design Opportunities

## Environmental-Symbiosis

A city that is people- and environment-friendly and fully disaster-prepared

Environmental education



Enhancing ecological functions

**Socio-ecological landscapes**

Community building



## Health and Longevity

A city in which people of all ages can enjoy healthy and secure living

- How can we enhance biophysical function at the site?
- How can we build community and promote environmental education amongst existing users?

▲  
entrance

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# Key Strategies

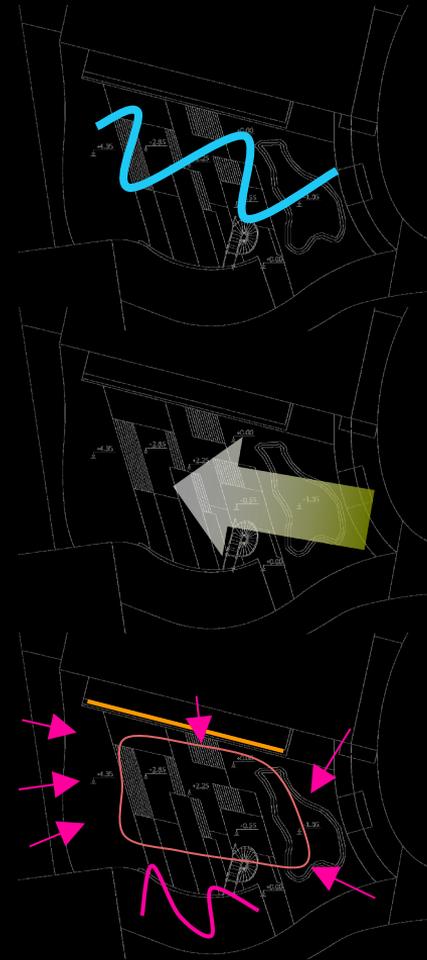
## 1. Enhance site versatility and *ecological performance*

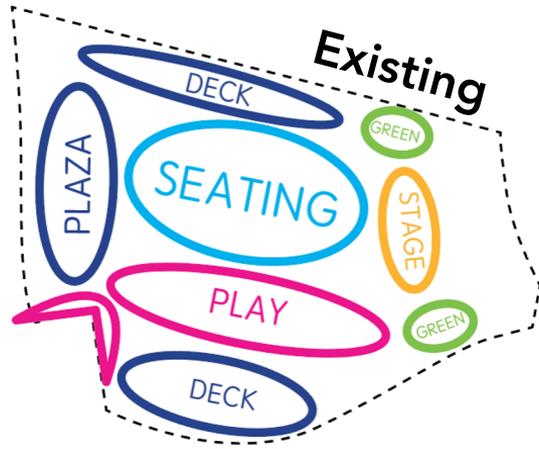
Improved hydrology (water regulation & quality)

Leveraging on seasonality – Solar shading & wind block, choice of plants (energy conservation), site usage

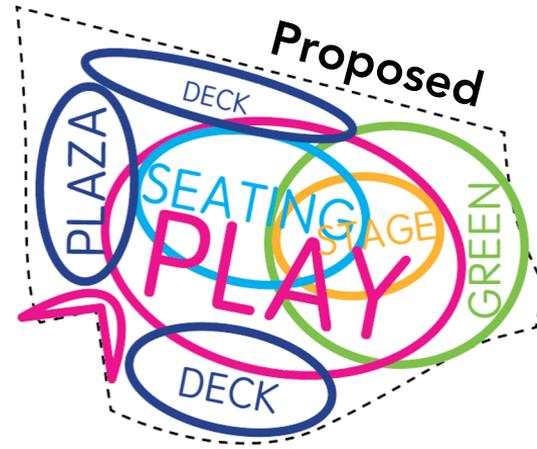
## 2. Promote the use of the site as a *communal and educational space*

Increased accessibility, community activities





Zoned Functions



Overlapping Functions



DECK

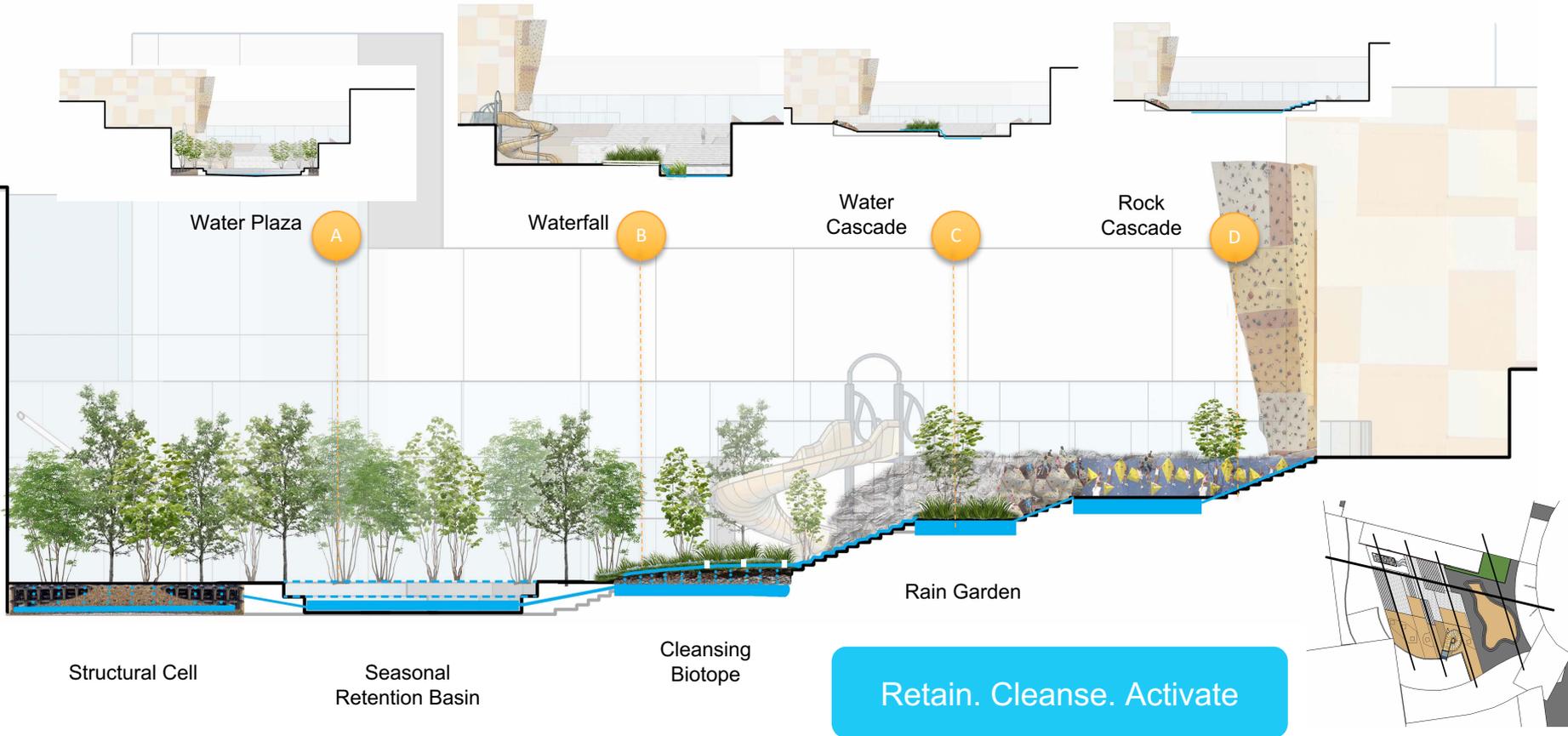
SEATING

PLAY

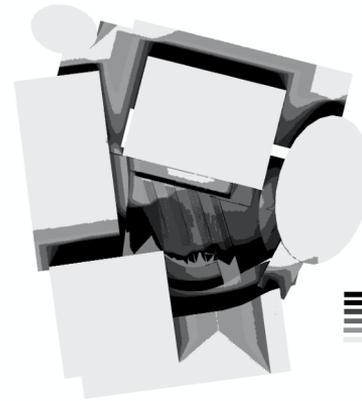
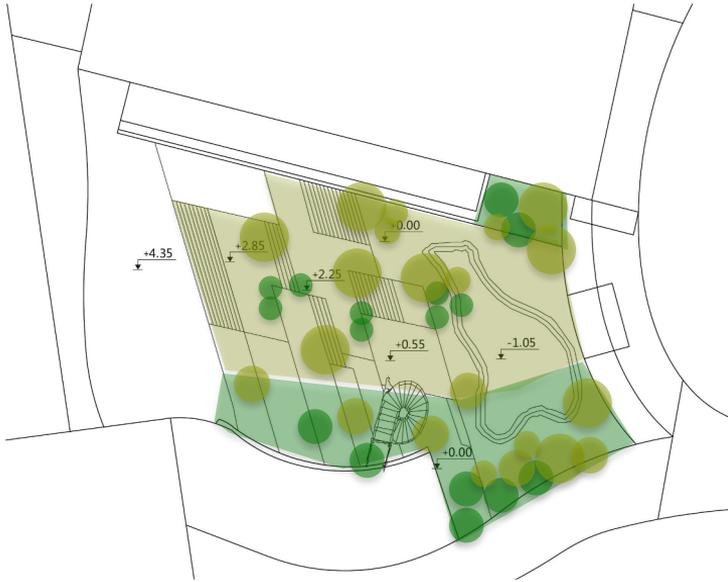
STAGE

GREEN

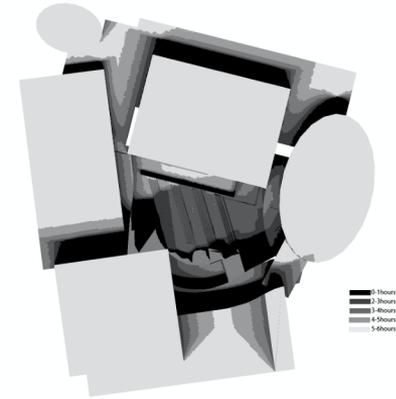
# 1. Enhance site versatility and ecological performance – Hydrology



# 1. Enhance site versatility and ecological performance – Seasonality



**Summer solstice** Jun 21  
Shortest day, largest altitude angle



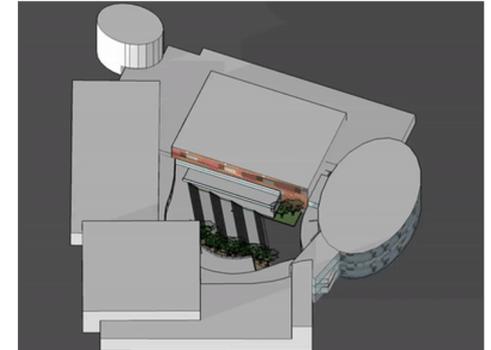
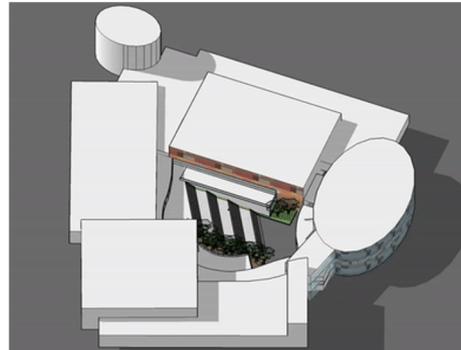
**Winter solstice** Dec 22  
Longest day, smallest altitude angle

## Northern Fringe:

- Higher cumulative radiation ideal for sun-plants
- Shade plants can conserve building air conditioning (ecological function)

## Southern Fringe:

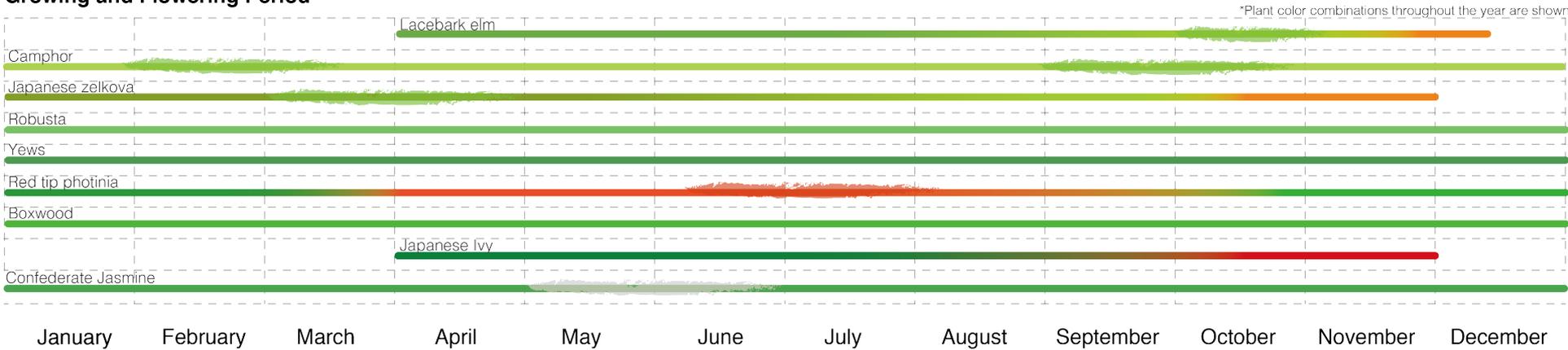
- Shade suitable for summer activities



# 1. Enhance site versatility and ecological performance – Seasonality

<p>Lacebark elm</p> <p><i>Ulmus parvifolia</i></p>  <p>Full sun Hardy, tolerant of urban conditions</p>	<p>Camphor</p> <p><i>Cinnamomum camphora</i></p>  <p>Full-sun to partial shade Shade tree/windbreak Attracts bees, butterflies and birds</p>	<p>Japanese zelkova</p> <p><i>Zelkova serrata</i></p>  <p>Full-sun to partial shade Tolerant of heat, little water, nutrient poor soils, and various pH</p>	<p>Robusta</p> <p><i>Fargesia robusta 'Campbell'</i></p>  <p>Full sun to partial shade (Shade tolerant) More upright and robust Tolerant of urban conditions</p>	<p>Yews</p> <p><i>Taxus x media</i></p>  <p>Full-sun to partial shade Can grow up to 6–10 metres Drought tolerant</p>	<p>Red tip photinia</p> <p><i>Photinia fraseri</i></p>  <p>Full-sun to partial shade Fruits attractive to birds</p>	<p>Boxwood</p> <p><i>Buxus</i></p>  <p>Partial shade Shallow root system, low maintenance Tolerant of urban conditions</p>	<p>Japanese Ivy</p> <p><i>Parthenocissus tricuspidata 'Veitchii'</i></p>  <p>Full-sun to partial shade Rapid growth, self-clinging (does not require growth support)</p>	<p>Confederate Jasmine</p> <p><i>Trachelospermum jasminoides</i></p>  <p>Full-sun to partial shade Require climbing structure</p>
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## Growing and Flowering Period



# 1. Enhance site versatility and ecological performance – Seasonality



## RESEARCH & INNOVATE

KOIL showcase spaces  
User testing, publicity



## SENSE OF IDENTITY

Community Events  
& Festivities



## EDUCATE

Public education  
& Outdoor Learning

## 2. Promote the use of the site as a communal and educational space



### Access points

- Greater accessibility from 2F

### KOIL showcase spaces

- User testing, publicity
- Opportunities for education

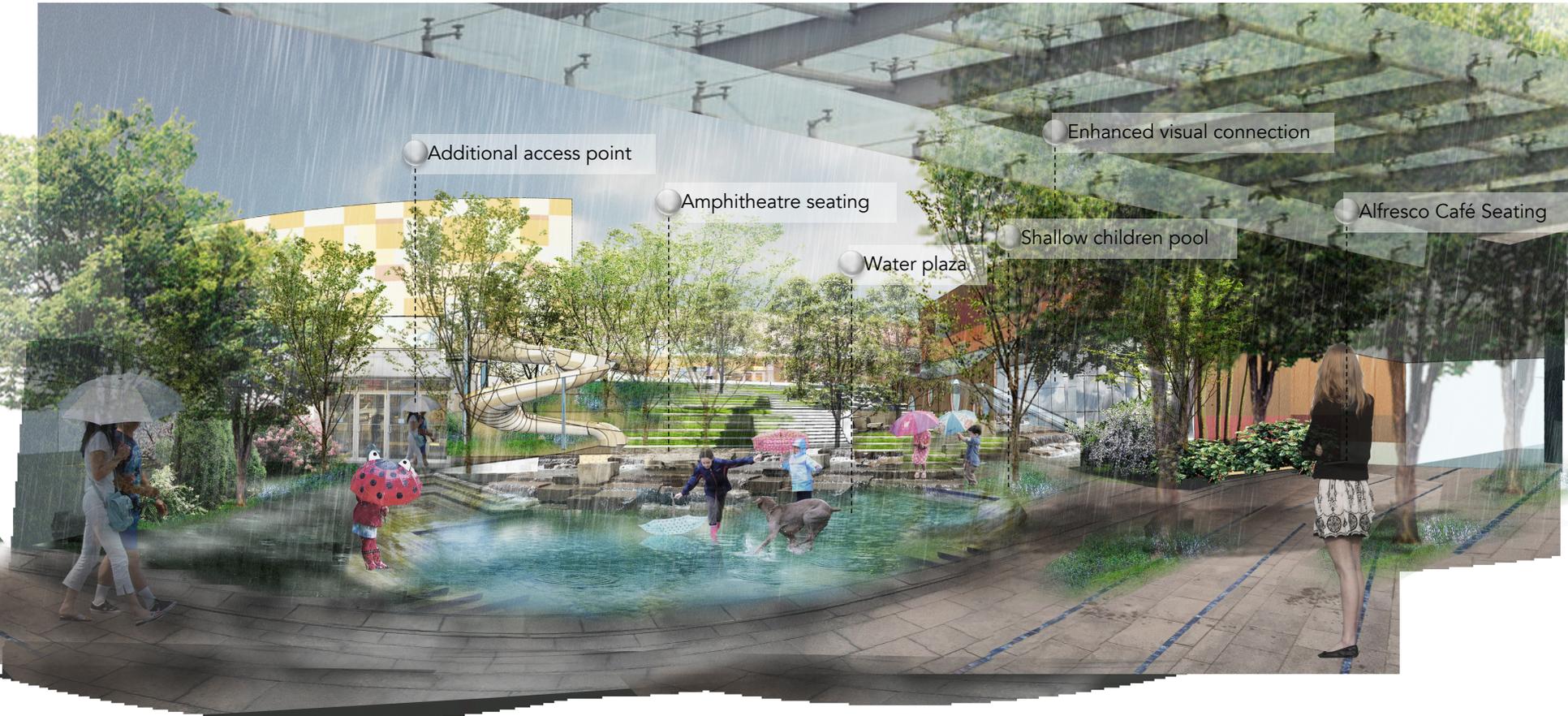
### Mixed-use play, seating and stage area

- Fosters family interaction

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# Potential replicability of The Room

Other spaces that have...

- Similar user-demographics – Other family-centric malls, common spaces
- Similar functions – Performance plazas, lounge areas



The Ark Hills, Tokyo



Tokyo Plaza, Odaiba



Yoyogi National Gymnasium

# Summary

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Environmental education



Enhancing ecological functions

## The **LIVING** Room

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## Health and Longevity

A city in which people of all ages can enjoy healthy and secure living

1. Enhance site versatility and *ecological performance*
  - Improved hydrology (water regulation & quality)
  - Leveraging on seasonality – Solar shading & wind block, choice of plants (energy conservation), site usage
2. Promote the use of the site as a *communal and educational space*
  - Increased accessibility, community activities

# Thank you

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