

## Final Report

# International Garden Exposition Suncheon Bay Korea 2013

2013 April 20 ~ October 20, Suncheon, Korea

*Garden of the Earth*



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Gardens at a glance

Gardens from all around the world gather and  
become a piece of scenery

## Expo Summary

- **Duration** : 2013 April 20 ~ October 20 (6 months)
- **Venue** : The Pungdeok-dong and Ocheon-dong areas of the city of Suncheon (Jeollanam-do), Suncheon Bay (Area of the Expo grounds: appr. 1,112,000 m<sup>2</sup> )
- **Theme** : Garden of the Earth, Suncheon Bay

### *Garden of the Earth*

#### ● Major Events and Attractions

- Official events: Opening ceremonies, closing ceremony, National Day, Municipal Day
- Garden exhibitions: World gardens, themed gardens, designer gardens, arboretum, Suncheon Bay
- Exhibitions/experiences: International Wetland Center, Oriental Herbs Experience Center, Indoor Gardens, ECOGEO Greenhouse, Kids' Garden
- Performances: Themed performances, traditional performances, guest performances, artistic performances by local organizations







### ● Mascots

- The Hooded Crane (Gguru and Ggumi), sand crab (Nongi), flowers, reeds, and blue-spotted mud hopper (Jjangi) are friends that protect nature and the environment together.
- Gguri and Ggumi, as mascots of Suncheon Bay, represent eco-friendliness and love for the family. Their names are derived from the cry of the hooded crane, "Ggureureu!"

### ● Significance of the Emblem



ECOGEO, the official emblem of the International Garden Exposition Suncheon Bay Korea 2013, as a portmanteau of ecology and geo for the earth, stands for an Expo where **humans and nature become one** and an Expo **that considers the future of the earth**.

### ● Suncheon Bay Eco-Belt

In Suncheon Bay, one of the top 5 coastal wetlands, countless plants and animals thrive on the 22.6 km<sup>2</sup> of mudflats and reed fields and migratory birds come to rest their weary wings. The Expo grounds is an eco-belt created between the city and Suncheon Bay to protect the bay from urban expansion. Along with Suncheon Bay, the gardens we have prepared will take their place as the most beautiful gardens in the world.



## 83 gardens from 23 nations around the world.

**World gardens (11)** : You can encounter the traditional garden culture of Korea, France, China, the Netherlands, the US, Germany, Italy, Spain, the UK, Japan, and Thailand

**Designer gardens (61)** : Indoor and outdoor gardens with various themes, designed by international and domestic cities, corporations, and designers

Outdoor gardens (35)		Indoor gardens (26)	
Category	Participants	Category	Participants
Country (City)	Turkey, China (Xi'an), India (New Delhi), Bolivia (Mecapaca), Seoul, Gwangju, Suwon, Busan, Goheung	Country (City)	Japan (Kanuma), Japan (Izumi), India (New Delhi-Amit), Kenya (Nairobi), Sri Lanka, Sudan (Khartoum), Vietnam, Seychelles, Vanuatu, Hong Kong, Korea (Damyang County)
Corporations	Japan (Tokyo-Gosuki), SK, Hana Bank, Kwangju Bank, Korail, Korea Water Resources Corporation, Hyundai Hysco	Designers	Gram Design 1, Gram Design 2, Sannaedeul, Gardener's Workroom Orangerie, Babo Art Design, Etude Army, Lee So-yeon, Tium, Onnuri Flower & Garden
Designers	UK (London-Gavin), UK (Brighton-Andy), Australia (Melbourne-Jim), atree landscape design & construction studio, The University of Seoul, Landscape Design Rin Co., Ltd., Clopos Design, Konkuk University, Garden 5090, Landscape Design Center UI, Gram Design	Others	ALPH, France (Nantes-Loic), France (Paris-Thebaud), UK (Middlesex-Sally), UK (Nottingham Trent University), Korea (Visual Arts Institute)
Others	Germany (RheinMain University), Ministry of Environment, Seoul National University + RheinMain University, Suncheon Pan-Civilian Council, Korea Landscaping Tree Association, Jeollanam-do Saemaul Movement, Lions Club, Green Landscape Co., Ltd.		

**Themed gardens (11)** : Gardens which were created with the significance of the opening of the Garden Expo in mind

Suncheon Lake Garden, Rose Garden, Hooded Crane Maze Garden, Urban Forest, Lugworm Path, Mugunghwa Garden, Rock Garden, Kids' Garden, Tree Ground, Royal Azalea Garden, Arboretum

## Goals of the Expo and Suncheon Bay

- For the lasting preservation of Suncheon Bay, the only untouched coastal wetland in the world, the Expo grounds are located five kilometers from Suncheon Bay toward the city at a scale of 1,112,000m<sup>2</sup> and act as an eco-belt to protect Suncheon Bay from indiscriminate urban expansion.
- The International Garden Exposition Suncheon Bay Korea 2013 will transform the city of Suncheon into a world-class eco-city by perfecting a eco-tourism system connected to Suncheon Bay and by making possible sustainable urban development through new growth industries such as the landscape architecture, floriculture, Eastern medicine, and beauty industries.

- **Value of Suncheon Bay**

The most soundly preserved of the five major coastal wetlands in the world, Suncheon Bay is a garden given from heaven, with 22.6 km<sup>2</sup> of mudflats, 5.4 km<sup>2</sup> of reed colony, and over 120 species of plants. Every year, 235 species of migratory birds come to rest their tired wings, and millions of people walk through the reed forests and receive healing. In 2006, Suncheon Bay was designated as a Wetland of International Importance with the Ramsar Convention, giving it international protection, and was also designated as Scenic Site No. 41 in Korea.



## Pride of the Expo

The sincere efforts of many people have gone into the International Garden Exposition Suncheon Bay Korea 2013. The result is that the Expo has many things to be proud of—the wooden pegs that were developed after deliberating about how the trees could be easily moved and transplanted, the environmentally friendly space that was made by moving discarded natural materials to the Expo grounds, and the Expo grounds itself, which serves as an eco-belt responsible for the future of Suncheon Bay.

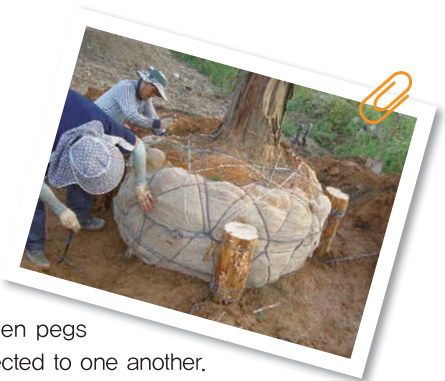
- **Patented Expo** : Wooden Pegs

The wooden pegs support the trees without marring the surrounding scenery.

These wooden pegs were devised with the scenery around the trees in mind. The wooden pegs are buried deep in the ground and are connected to one another.

Together they work to support the trees without disturbing the view. Not a single tree on the Expo grounds has been knocked down by the wind and rain, confirming that all of the trees have settled their roots strongly and firmly.

\* [Patent Application \(No. 10-2011-0096859\)](#)



- **Environment-friendly Expo** : Recycling Nature for the Expo Grounds

- \* **Recycling of Trees**

Trees that were left after deforestation or in danger of being disposed of were moved to the Expo grounds. The trees that have found a new home are growing strong and sturdy. This is the reason why the paths and gardens of the Expo grounds are that much more precious.



### \*Recycling of Rocks and Boulders

Most of the large rocks and boulders found on the Expo grounds were supplied from the Expo construction sites and other construction sites near Suncheon and have become excellent materials to decorate the Expo grounds. Together with ornamental rocks that were donated by collectors, each rock displays its own individuality and uniqueness.

### \*Environment-friendly Compost, Earthworms

The idea for the natural fertilizers used in growing the flowers and trees on the Expo grounds was taken from the novel "The Lessons of the Worms" written by We-su Lee.

The environmentally-friendly compost was made by mixing microorganisms and waste from earthworms from a 500 m<sup>2</sup> plot of land of the Expo grounds. All 700 tons of compost needed for the Expo grounds was produced from earthworm casting.

### \*Reed Fences

The fences used in the construction of the Expo grounds were made by weaving reeds taken from the Suncheon Bay, providing warmth for the chilly construction site. The reed fences were much cheaper than their zinc-plated counterparts, and the 2.5 meter-tall reed fences can be recycled and made into natural fertilizers after the Expo.

### \*Dream Bridge

The Dream Bridge, built using 30 abandoned containers, preserved the structural properties of the containers which act as a shelter from the rain and sun. It is a great reminder of the value of recycling and regeneration.



## Operation of the Expo

### ● Opening and closing hours

Dates	Entry Permitted
April 20 ~ May 31	9 am ~ 7 pm
June 1 ~ August 31	9 am ~ 9 pm
September 1 ~ October 20	9 am ~ 7 pm

### ● Visitor statistics

**Total number of visitors : 4,403,890 persons**

\* DAILY-AVE 23,934 persons [daily maximum 103,340persons]

**Total number of foreign visitors : 176,600 persons** \* 61 countries visit

• China 55%, Japan 8%, USA 6%, Vietnam 4%, others 27%

**Level of satisfaction : 86%**

**Sex proportion : Male 41%, Female 59%**

**Age-specific proportion**

- Children(3 ~ 12 years old) : 10%,
- Teenage(13 ~ 18 years old) : 8%
- Adult(19 ~ 64 years old) : 48%
- Senior citizen (old man of 65 and over) : 34%

**Companion proportion**

- with family 43%, with friend 24%, with lover 15%, others 18%





### ● OFFICIAL EVENTS

- Opening ceremony : April 19
- Closing ceremony : October 20



### ● INTERNATIONAL FORUMS

- Green city seminar : April 19
- International wetland forum : April 19 ~ 23
- Sustainable cities with biodiversity : July 25 ~ 26
- Mother earth, Amazon embraces korea : September 22 ~ 25



### ● CULTURAL PROGRAMS

- Theme performance : **48 times**
- National day : **21 times** (16 countries)
- Municipal day : **60 times** (60 cities)
- Others : **3,773 times**  
(K-pop concerts, Youth dance, B-boying Festival, Street performances)



### ● EXPERIENCE PROGRAMS : 34 kinds

- Throwing water balloons, Flying butterflies, Making flowerpots, etc



# OFFICIAL EVENTS

– Opening ceremony, Closing ceremony



April 19 2013 Opening ceremony of the International Garden Exposition Suncheon Bay Korea 2013

## Suncheon Bay, the garden of the Earth, plants lives

A grand opening ceremony of the expo, attended by some 3,000 citizens, Korean and international important figures, was held at Suncheon Lake Garden and the Green Yard. The performance at the opening ceremony depicted Suncheon citizens' respect for life under the theme 'Suncheon Bay the Garden of the Earth Plants Lives.' The centerpiece of the opening ceremony was a choir performance that described the birth of Suncheon Bay greatly touching and moving the audience.



# OFFICIAL EVENTS

– Opening ceremony, Closing ceremony



October 20 2013 Closing ceremony of the International Garden Exposition Suncheon Bay Korea 2013

## Suncheon Bay, Garden of the Earth, wraps up a journey of 184 days

The great journey of the International Garden Exposition Suncheon Bay Korea 2013 that had captured everyone's attention came to an end. The closing ceremony started with a congratulatory event of achieving the target number of visitors of 4 million and reviewed the overall programs of the expo, future directions the expo should head towards, and expressed appreciation to those who had devoted themselves to ensuring the success of the expo. Although the great journey of 184 days ended with the declaration of closing the expo, the city of Suncheon will continually develop and brighten its eco-friendly future.

# INTERNATIONAL FORUMS



GREEN CITY SEMINAR

## INTERNATIONAL WETLAND FORUM



SUSTAINABLE CITIES WITH BIODIVERSITY



MOTHER EARTH, AMAZON EMBRACES KOREA



# CULTURAL PROGRAMS

– Theme performance, National day, Municipal day, Others

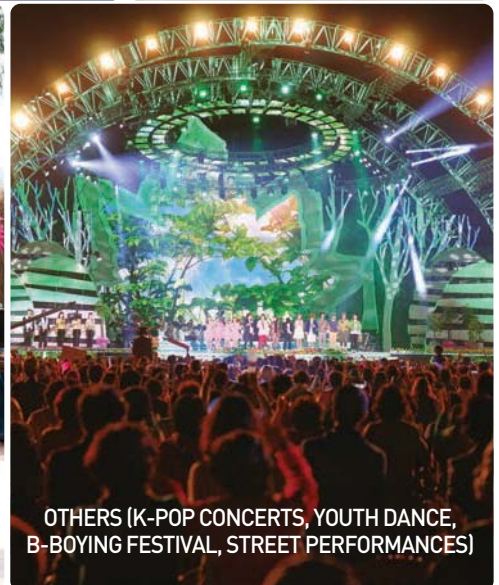
THEME PERFORMANCE(MUSICAL) / **48 TIMES**



NATIONAL DAY / **21 TIMES**



MUNICIPAL DAY / **60 TIMES**



OTHERS (K-POP CONCERTS, YOUTH DANCE,  
B-BOYING FESTIVAL, STREET PERFORMANCES)

# EXPERIENCE PROGRAMS

– Throwing water balloons, Flying butterflies, Making flowerpots, etc



Making reed boats



Throwing water balloons



Flying butterflies



Making flowerpots

# Gardens at a glance



## **World Gardens(11)**

French Garden | Chinese Garden of Ning bo | German Garden | Dutch Garden | American Garden | Italian Garden | Spain Garden | British Garden | Japanese Garden of Saga City & Gochi City | Thai Garden | Korean Traditional Garden

## **International Outdoor Gardens(35)**

Temple Garden | The Andes Amazons Garden | Xian Garden | The Garden of Seoul City | Turkish Garden | Dynamic Busan | The Garden of Suwon City | Sing Moodeung | The Main City of Space-air, Goheung Garden | The Castle&Line | Steps Forward to Happiness | Korail Garden | Hana Seed Bank Garden | K Water Garden | Present of Forest | H3 Garden(Hyundai Hysco Hope Garden) | Korea/Japan Friendship Garden | Korean Kitchen Garden | The Color, Open and Close | Crane Garden | Mind Controlling Meditation Garden | Nature Dining | Journey of life | Drift | The Last Wave | C4+Recycling Garden | Soekgasan Garden | Bamboo Love | Wish Garden | Kneipp-Therapy Garden | New Saemaeul Garden | Epigyny Garden | 'Hope to flowers' Environmental Garden | Ecological Garden with Warm Temperate Trees | The Giving Tree

## **International Indoor Gardens(26)**

Sanjasumyeong | Red crowned crane | Sudanese Garden | Garden of Traditional Vietnam | KISTEL-KENYA | Relaxation | Gallery of Nature | The South Pacific Paradise | Sosoewon | Indian Garden of Healing Pool | Seychelles Garden, 'Garden of Eden' | Garden-landscape from My Childhood | Pure-SU:M | Eco Bridge | Treasure House in The City | Full of Sun | Daily Life | Fun of Gardening | The Reminiscences of Sajimakgol | Slow Garden of a Classical Scholar | Senses' s Garden | The Wasteland | AIPH Earth' s Garden | The French Touch Garden | Garden of Art & Science | Stone from Water, Harmony

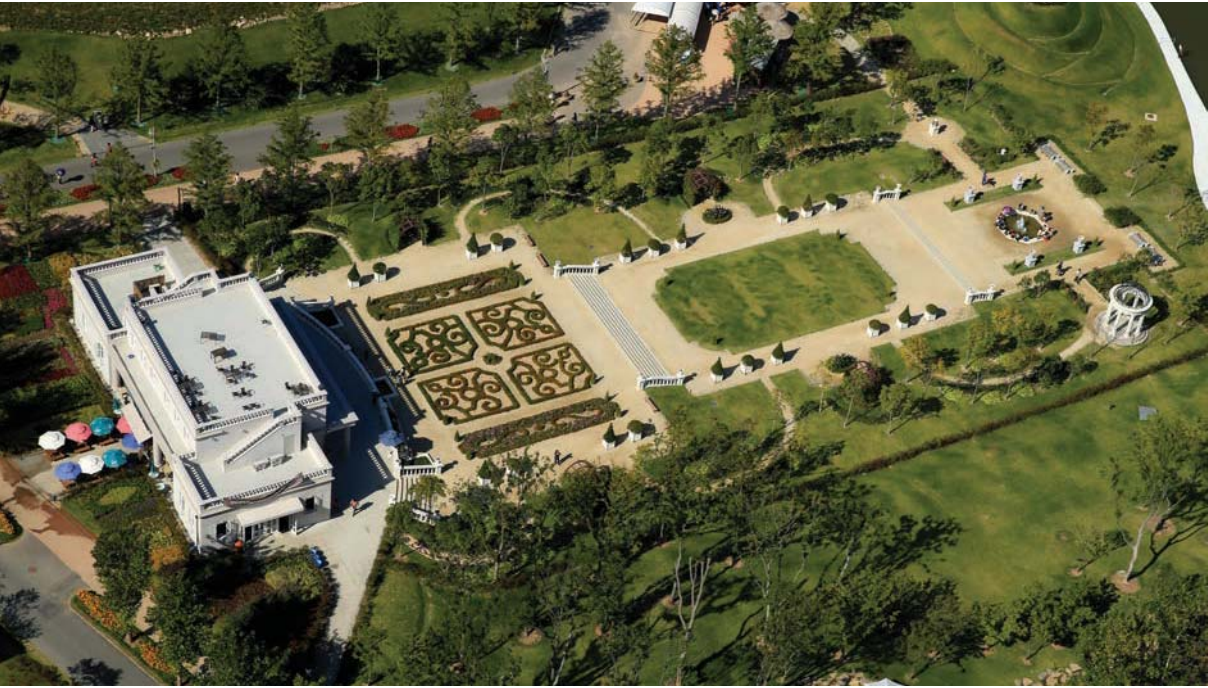
## **Themed Gardens(11)**

Suncheon Lake Garden | Rose Garden | Hooded Crane Maze Garden | Urban Forest | Lugworm Path | Mugunghwa Garden | Kids' Garden | Royal Azalea Garden | Rock Garden | Arboretum | Tree Ground

## **Harmony Gardens(11)**

Green Yard | Riverside Open-air Stage | Oriental Herbs Experience Center | Chrysanthemum Garden | Dream Bridge | Sky Garden | Water Bird' s Playground | Wildlife Conversation Park |





## French Garden

The French Garden was modeled after the “Palace of Versailles of Louis XIV” , depicting the beauty of classicism. It displayed orderly arranged and geometrical beauty as well as glamorous and magnificent aspects of the garden.

## Chinese Garden of Ning bo

Chinese gardens are called primitive forests and harmonized with natural scenery without damaging nature. The Chinese Garden was designed with hills, stones, water, and bridges.







## German Garden

The German Garden was created as an extension of indoor space, and was a reproduction of the sunken gardens developed by Karl Foerster, the “father” of German gardens.



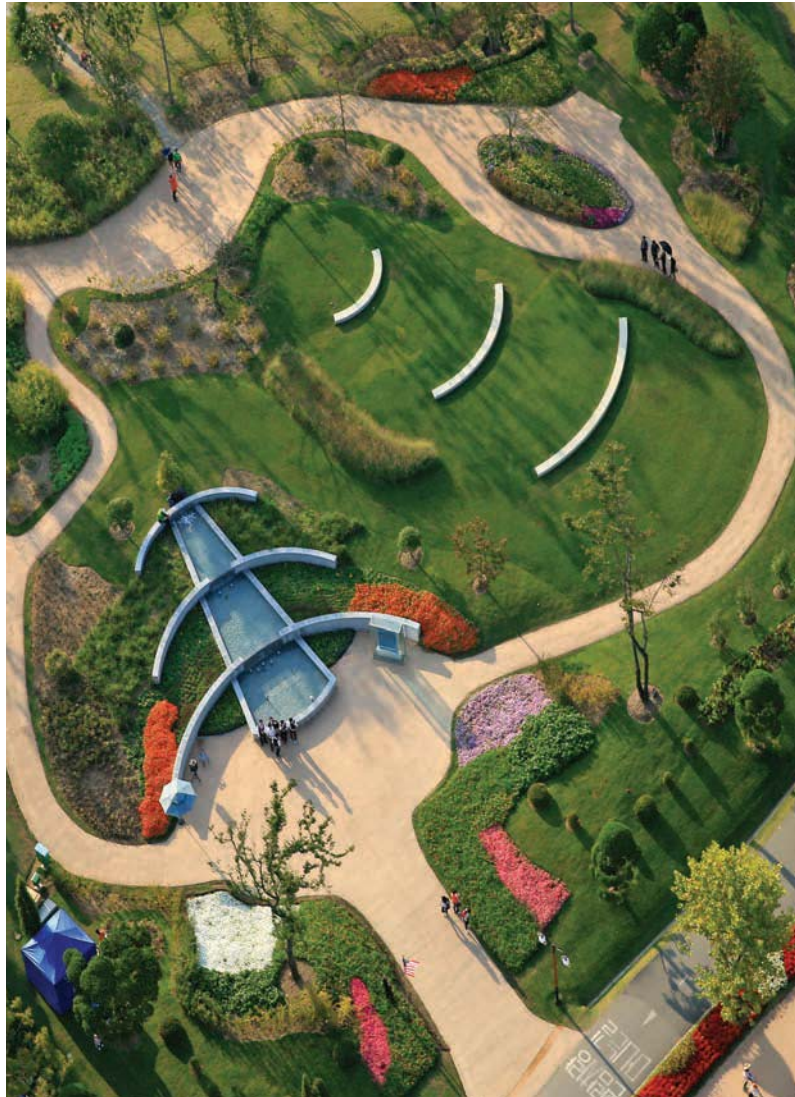




## Dutch Garden

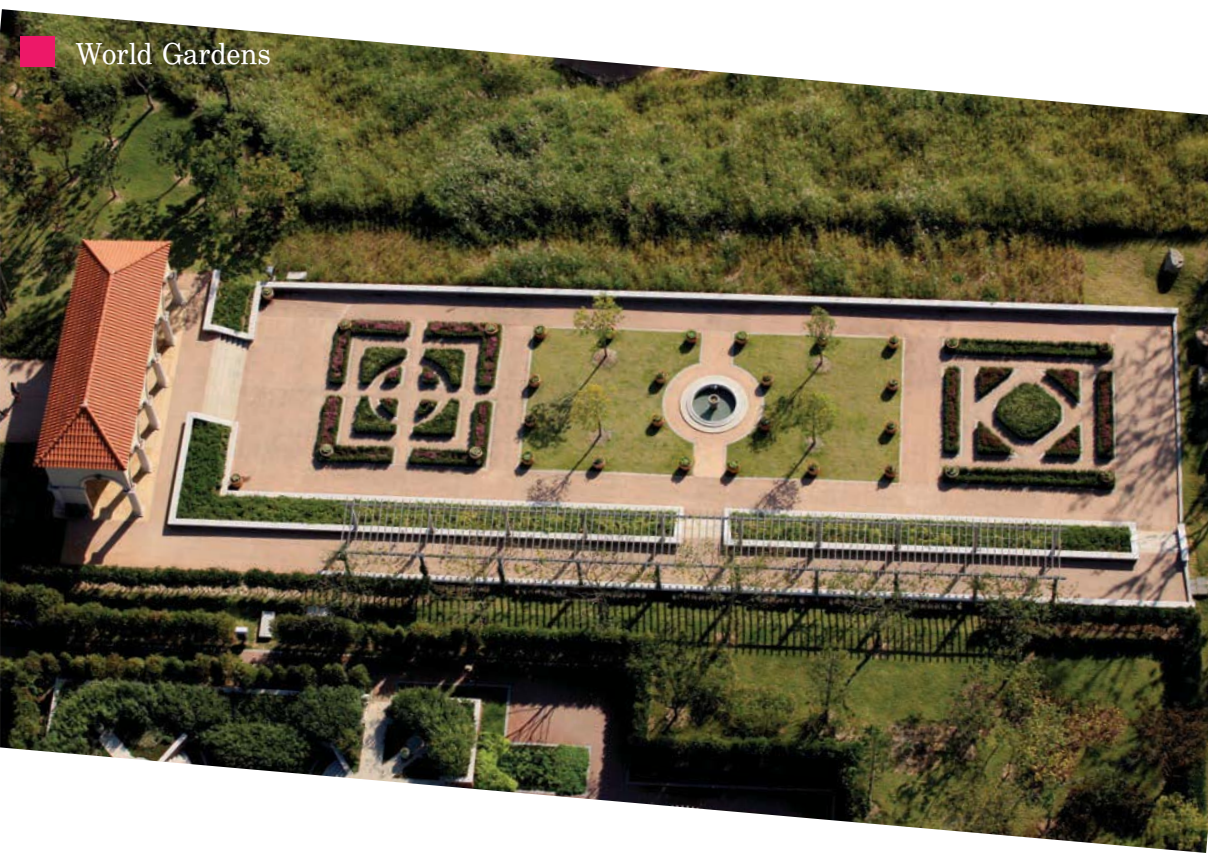
The Netherlands, known for its beautiful tulips, has been called the “Garden of Europe.” The Dutch Garden was a fantastic place where visitors could feel as if they had entered a fairytale with various types of tulips and a real size windmill.





## American Garden

This space was filled with the gardening philosophies of Frederick L. Olmstead, one of the most famous gardeners of the 20th century, and Thomas Church. It featured their philosophies in gardens that respect the value of individuality.



## Italian Garden

The Italian Garden was a replica of a Medici family villa garden during the Renaissance reflecting the hilly topography of Italy with small valleys. Small and tall trees have been arranged neatly in the garden.





## World Gardens



## Spain Garden

The Spanish Garden was a replica of an ancient orange garden situated in Southern Spain that has preserved its original state. As orange trees are hard to grow in Korea, they were replaced with citron trees.







## British Garden

The British Garden looked like a quiet country landscape in the afternoon. It was a garden that features the British that had boundless imagination and returning to nature while avoiding artificial aspects of gardens.







## Japanese Garden of Saga City & Gochi City

The Japanese Garden was composed of a traditional Japanese garden of Saga Prefecture with a valley before a mountain background and a karesansui style garden of Kochi Prefecture that used rocks and sand to represent water and mountains.





## Thai Garden

The Thai Garden featured a wise way of living of Thai people using Sala Thai, a traditional Thai building, Washington palm trees, and Cocos palm that were colorful and exotic.





## Korean Traditional Garden

The Korean Garden displayed the geographic characteristics of Korea as it is. Being in harmony with the Royal Garden, Gunja Garden, and Garden of Wishes, the garden perfectly became united with nature.



## International Outdoor Gardens



**Temple Garden**  
New Delhi, India



**The Andes Amazons Garden**  
Mecapaca, Bolivia



**Xian Garden**  
Xian, China



## International Outdoor Gardens



**The Garden of Seoul City**  
Seoul, Korea



**Turkish Garden**  
Turkey



**Dynamic Busan**  
Busan, Korea

## International Outdoor Gardens



**The Garden of Suwon City**

Suwon, Korea

**Sing Moodeung**

Gwangju, Korea



**The Main City of Space-air,  
Goheung Garden**

Goheung, Korea



## International Outdoor Gardens



**The Castle & Line**  
Kwangju Bank



**Steps Forward to Happiness**  
SK E&S



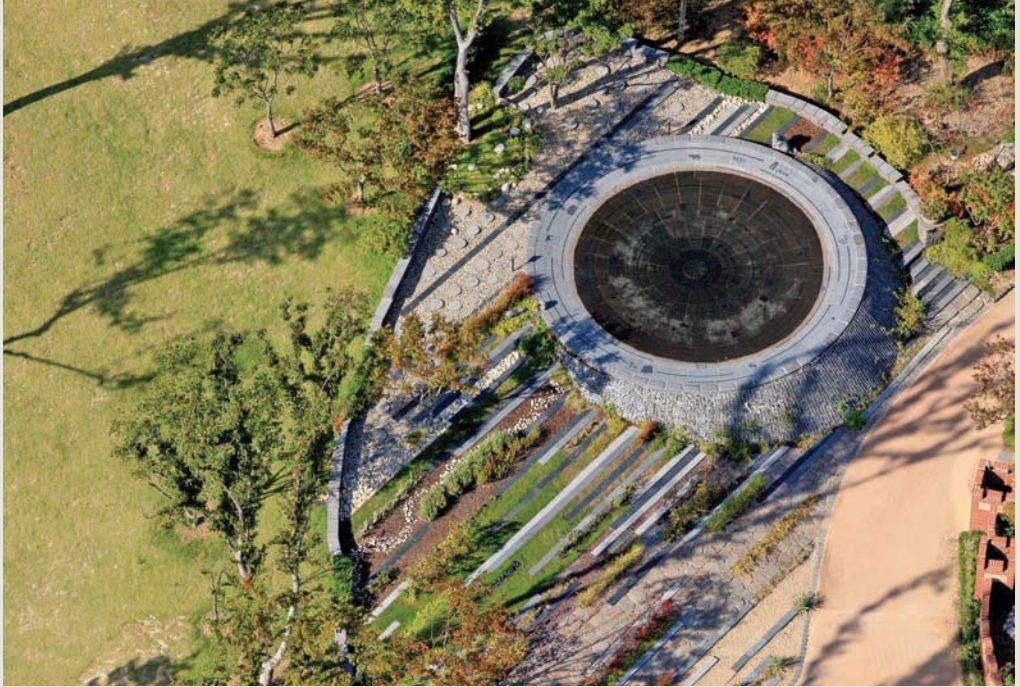
**Korail Garden**  
Korail



**Hana Seed Bank Garden**  
Hana Bank

## International Outdoor Gardens

**K Water Garden** Korea Water Resources Corporation



**Present of Forest**  
Green Landscape Co., Ltd.



**H3 Garden [ Hyundai Hysco Hope Garden ]**  
Hyundai Hysco





**Korea / Japan Friendship Garden**  
Japan (Tokyo—Gosuki),



**Korean Kitchen Garden**  
atree landscape design & construction studio

## International Outdoor Gardens



**The Color, Open and Close**

Landscape Design Center UI



**Mind Controlling Meditation Garden**

Garden 5090



**Crane Garden**

Konkuk University

**Nature Dining**

Gram Design





## International Outdoor Gardens



**Journey of life**  
UK (London-Gavin)



**Drift**  
UK (Brighton-Andy)



**The Last Wave**  
Australia (Melbourne-Jim)



**C4+Recycling Garden**  
The University of Seoul



**Soekgasan Garden**  
Landscape Design Rin Co., Ltd.



**Bamboo Love**  
Ctopos Design



International Outdoor Gardens



**New Saemaeul Garden**  
Jeollanam-do Saemaul Movement



**Kneipp-Therapy Garden**  
Germany (RheinMain University)



**Wish Garden**

International Outdoor Gardens



**Coexistence Garden**  
Suncheon Council Committed Citizens



**Ecological Garden with Warm Temperate Trees**  
Korea Landscaping Tree Association



**'Hope to flowers' Environmental Garden**  
Ministry of Environment



**The Giving Tree**  
Lions Club,



## International Indoor Gardens



**Sanjasumyeong**  
Kanuma, Japan



**Red crowned crane**  
Izumi, Japan



**Sudanese Garden**  
Khartoum, Sudan



**Garden of Traditional Vietnam**  
Vietnam



**Kistel-Kenya**  
Nairobi, Kenya



**Relaxation**  
Sri Lanka



## International Indoor Gardens



**Gallery of Nature**  
Hong Kong



**The South Pacific Paradise**  
Vanuatu



**Sosoewon**  
Damyang, Korea



**Indian Garden of Healing Pool**  
New Delhi, India



**Seychelles Garden, Garden of Eden**  
Seychelles



**Garden-landscape from My Childhood**  
Etude Army

## International Indoor Gardens

Pure-SU:M  
Babo Art Design



Eco Bridge  
Lee So-yeon



Treasure House in The City  
Sannaedeul



Full of Sun  
Tium





**Daily Life**  
Gram Design



**Fun of Gardening**  
Gardener's Workroom Orangerie



**The Reminiscences of Sajimakgol**  
Onnuri Flower & Garden



International Indoor Gardens



**Slow Garden of a Classical Scholar**  
Gram Design



**The Wasteland**  
UK (Middlesex-Sally)



**Senses's Garden**  
France (Paris-Thebaud)

**AIPH Earth's Garden** AIPH





**The French Touch Garden**  
France (Nantes-Loïc)



**Garden of Art & Science**  
UK (Nottingham Trent University)



**Stone from Water, Harmony**  
Korea (Visual Arts Institute)





Themed Gardens



Suncheon Lake Garden





Themed Gardens



Rose Garden



Hooded Crane Maze Garden



Themed Gardens



Urban Forest



Lugworm Path



Kids' Garden



Mugunghwa(Rose of Sharon) Garden



Themed Gardens



Royal Azalea Garden



Rock Garden





## Themed Gardens



Arboretum



Meditation Path



Cypress Forest

## Themed Gardens



Tree Ground





## Harmony Gardens



Green Yard



Riverside Open-air Stage



Oriental Herbs Experience Center

Chrysanthemum Garden





Dream Bridge





## Harmony Gardens



Suncheon Bay International Wetland Center



## Harmony Gardens

### Suncheon Bay WWT Wetland



Water Bird's Playground



Wildlife Conversation Park



## Harmony Gardens



ECOGEO Greenhouse



Plants Factory