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五色漢江

The Story of the Hangang River Told through 5 Colors













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- 2. Five Colors of the Hangang River (五色漢江)

- Blue (靑色): HISTORY

- Green (緑色): ECOLOGY

- Red (赤色): CULTURE & TOURISM

- Purple (紫色): FESTIVAL & LEISURE

- Yellow (黄色): SAFETY & CLEANING

3. Vision of the Hangang River

Permanent

Green

Passionate

Refined

Safe



## 1. Current State of the Hangang River

## **Current State of the Hangang River – Overview 1**

The Hangang River is a Natural & cultural heritage that symbolizes our history and future.

-Drainage area: 26,149 km<sup>2</sup>

-Drainage population: 26 million,

1/4 of land area

(20)

A symbolic space of not only Seoul's, but also Korea's modern history.

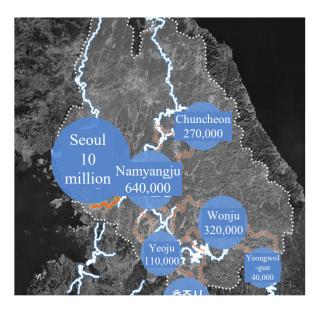
- -Scar of the Korean War
- -Miracle on the Hangang River
- -Symbol of economic growth GDP USD 67 in 1945 → USD 31,349 in 2018



A highly charming tourist resource and a everyday space for citizens.

-Seoul's landmark [2012 Survey on Landmarks of Seoul 1. Hangang River(37.9%),

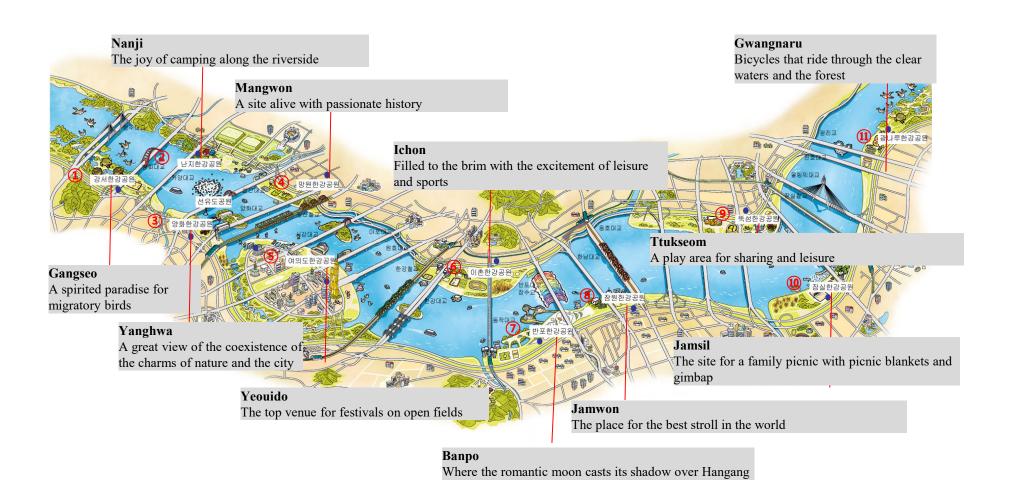
- 2. Namsan Mountain(35.7%)]
- -Total area of Hangang River: 39,847 km<sup>2</sup> (6.6% of Seoul)







### **Current State of the Hangang River – Overview 2**



River and Namsan Mountain

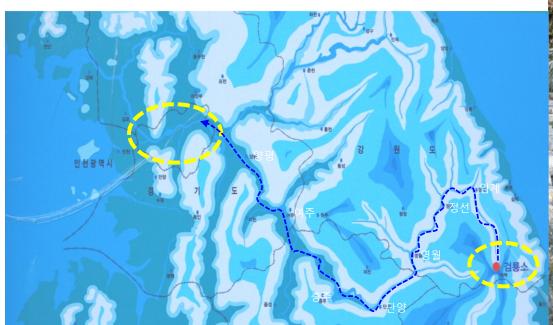
### **Current State of the Hangang River – Head of the Hangang River**

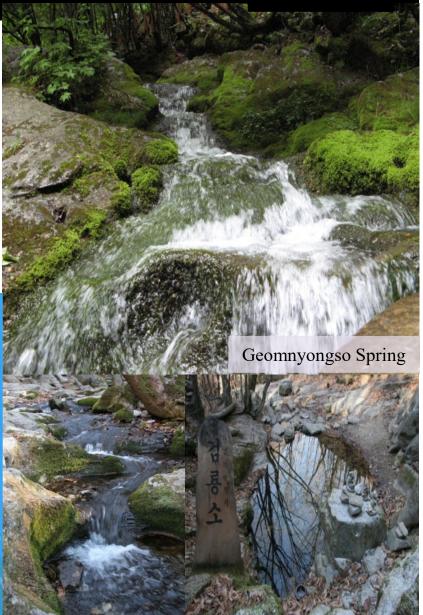
■ Head: Geomnyongso Spring, Taebaek, Gangwon-do (Daily river flow: 2,000 tons; maintains avg. of 9°C year-round)

■ Total length: 497.5 km

• Flows through five cities and provinces

■ Drainage area: 26,148 km²





### Current State of the Hangang River – The Hangang River of Seoul

Size

Length: 41.5 km, Area: 39.9 km² (about 6.6% of the administrative district)

Water: 30.8 km², Waterside: 9.1 km² (Gangbuk: 3.0 km², Gangnam: 6.1 km²)

Parks

11 parks (Gangbuk 4, Gangnam 7)

(Used by 70 million citizens, 930,000 foreign tourists [as of 2018])

Roads

Gangbyeonbuk-ro and Olympic-ro: 74 km

Bicycle path: 70 km (Gangnam: 41 km, Gangbuk: 29 km)

Ships/

735 vessels (excursion boats, water taxis, cleaning ships, etc.)

Boats 20 docks, waterfronts

Bridges

31 bridges (27 large bridges, 4 railroad bridges)

(26 within Seoul's administrative district)





## 2. 5 Colors of the Hangang River (五色漢江)

## 五色漢江

The Story of the Hangang River Told through 5 Colors

## (青史)HISTORY



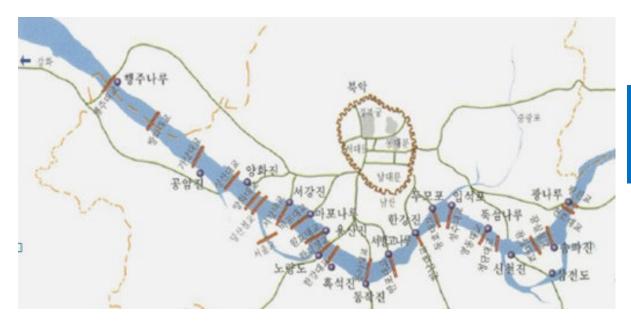
## Hangang (漢江)

► Large and wide river filled with flowing waters

► Old name: Hangaram

- Han (漢): Large, wide, full, galaxy

- Garam: The river("gang")'s old name



Location of Waterfronts
= current Hangang Bridges

### Remains of the Hangang River



Three Kingdoms Period (108-668 BC)

Goryeo Dynasty (918-1392)







Joseon Dynasty

Dynasty's capital and center of politics, economy (shipping tax), culture





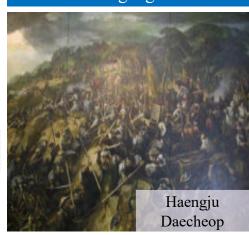


### **War History of the Hangang River**

The Three Kingdoms' fight over the Hangang River (Goguryeo, Baekjae, and Silla's scramble for Hangang River)

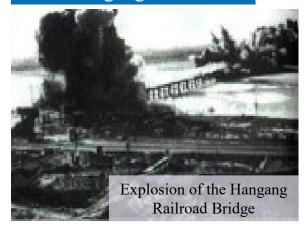


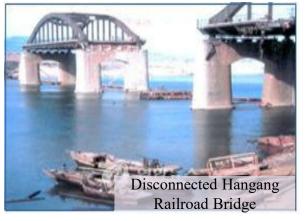




The Korean War and the Hangang River

-Explosion of the Hangang Railroad Bridge, evacuation, Hangang River-crossing **Operations** 







### "Miracle" on the Hangnag River and the History of Growth







Passive **Development** 



Active **Development** 



Natural **Restoration** 

#### Up until the 1950s

- Gathering, fishing
- Traffic routes
- Transportation of goods
- Frequent flooding, overflow

1960 - 1970

- 1st Hangang Comprehensive Development ('68 - '79)
- Embankment construction in preparation for flooding
- Reclamation of public waters (construction of apartments)

1980 - 2010

- 2nd Hangang Comprehensive Development ('82 - '86)
- Opportunity to attract Olympic Games
- Formation of Hangang Parks (9)
- ■Construction of Olympic-daero

#### **After 2010**

- Recovered problems of urban growth process
- Renaissance Plan
- Tourism resources
- Restoration of nature (2030)

## 五色漢江

The Story of the Hangang River Told through 5 Colors

## ECOLOGY



### ■ Ecological Parks: 5 (Gangseo Marsh, Nanji Ecology Boggy Ground, Yeouido, Saetgang, Amsa, Godeok Waterfront)





## **Bamseom Islets (Ramsar Wetlands)**

Bamseom Islets (27 km² /1.2 km, 0.4 ha annual increase)

17.73ha ('85)  $\rightarrow 24.9$ ha ('02)

- Location : Yeongdeungpo-gu (upper Bamseom Islet)

/ Mapo-gu (lower Bamseom Islet)







## Designated Ramsar Wetlands (2012)



This is to certify that

Han River-Bamseom Islets

has been designated as a

#### Wetland of International Importance

and has been included in the
List of Wetlands of International Importanc
established by Article 2.1 of the Convention
2. This is site No: 2050

Date of designation: 21 June 2012











## **Cultivating the Hangang Forest**

Result of 2013-2018 citizen tree planting



planted



#### 2019 Citizen Tree-Planting Plan

Period January – November, 2019

Planting Plan 84,000 trees (5,000 forest trees, 79,000 shrubs)

#### **Creation Project of Nanji Forest For Use**

Location Nanji Hangang Park (near the baseball station)

#### **Creation Project of Banpo Buffer Forest, Forest For Use**

Location Banpo Hangang Park (in front of Sevitseom Island)

#### **Creation Project of Yanghwa Buffer Forest**

Location Yanghwa Hangang Park (near Seonyugyo Bridge)

#### **Creation Project of Gwangnaru Bicycle** Path Forest For Use

**Location** Gwangnaru Hangang Park (Gwangjingyo Bridge-Seoul border)

**Creation Project of Ichon Buffer Forest** 

**Location** Ichon Hangang Park (near Dongjakdaegyo Bridge)

#### **Creation of Cottonwood Path**

Location Ichon-Mangwon Hangang Park

#### Citizen-participatory tree planting (Since 2013)





Yeouido Buffer Forest

Jamsil Ecological Forest





Jamwon Healing Forest

Cottonwood 100-ri Path

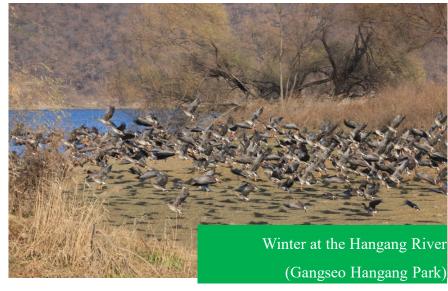


## Four Seasons of Hangang River







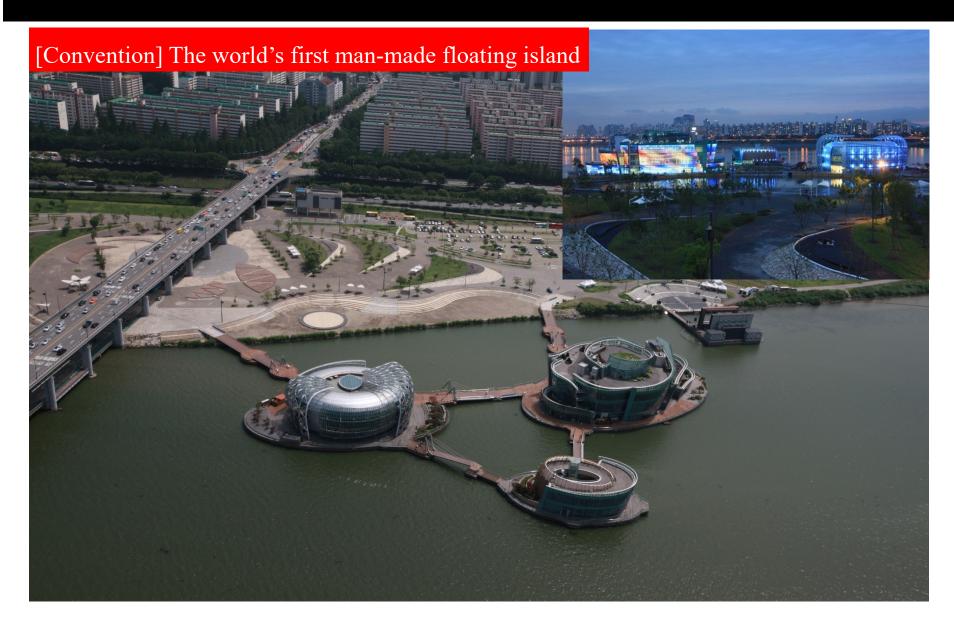


## 五色漢江

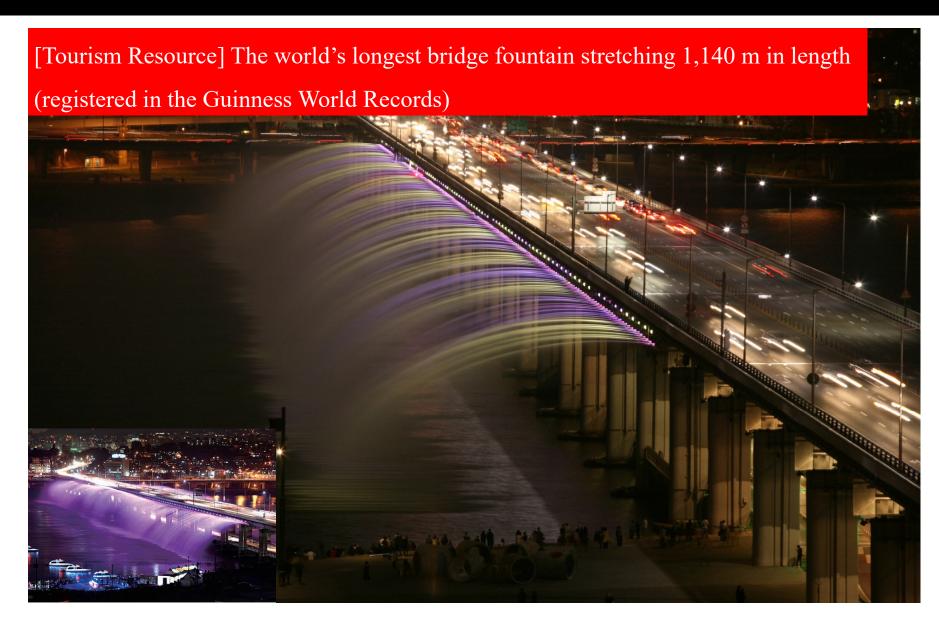
The Story of the Hangang River Told through 5 Colors

## CULTURE & TOURISM

## Sevitseom Island

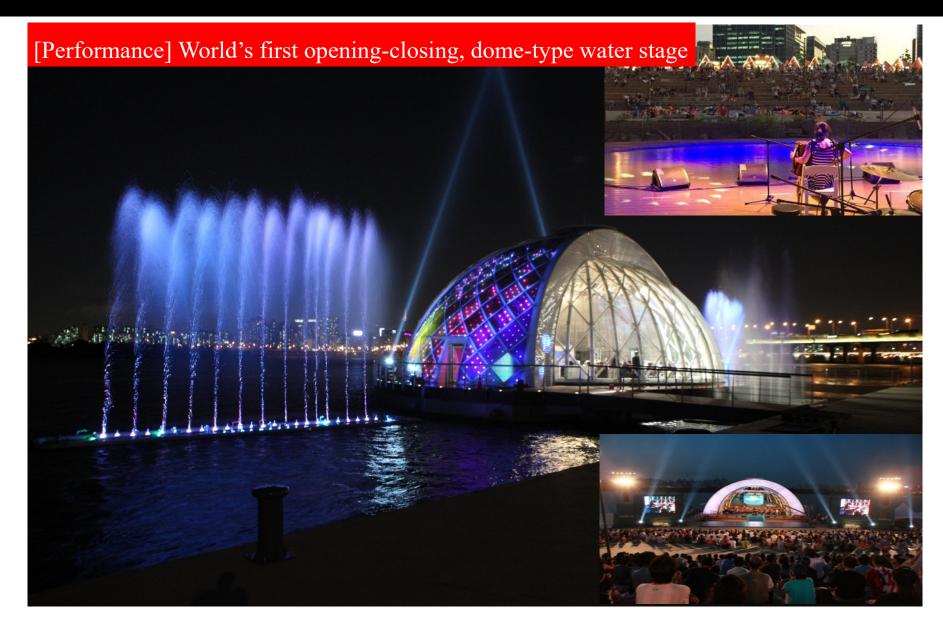


## **Moonlight Rainbow Fountain**

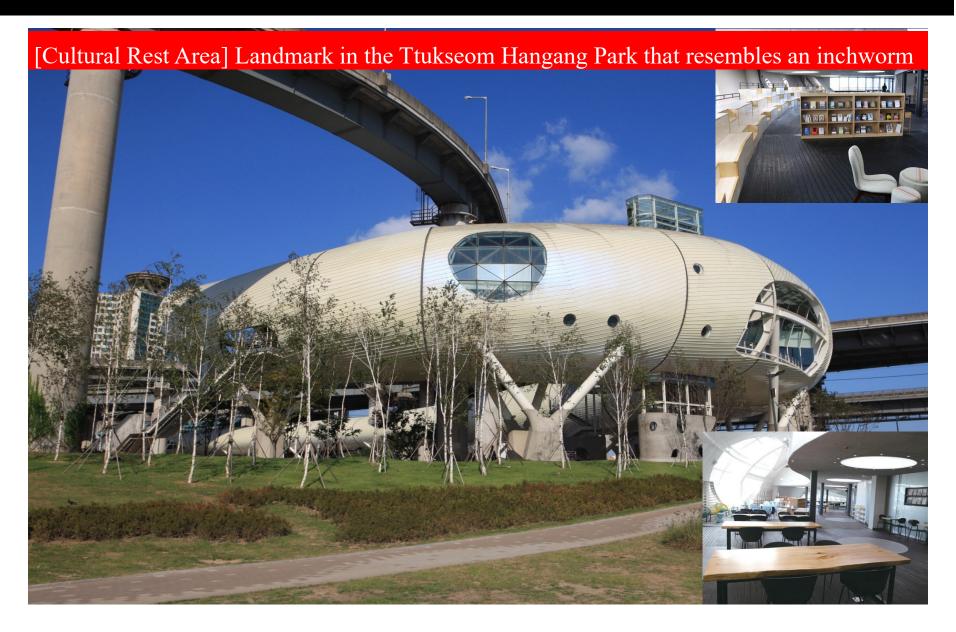




## **Floating Stage**



## Observation Culture Complex "J-Bug"

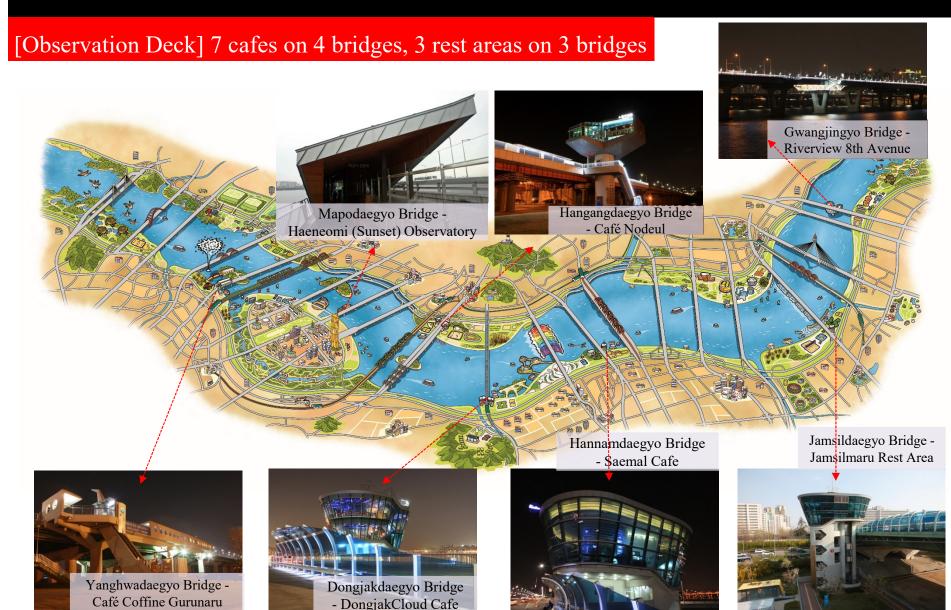




## Riverview 8th Avenue (Gwangjingyo Bridge)

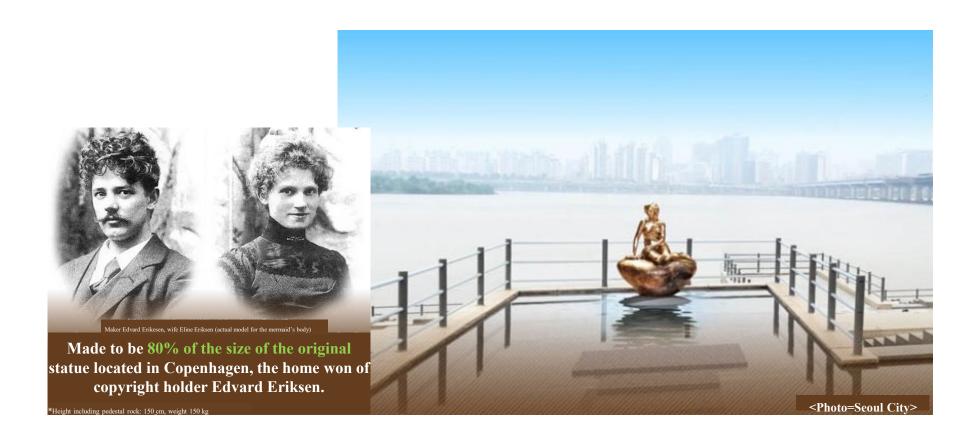


## Cafes and Rest Areas with a View of the Hangang River





### [Storytelling] Cultural exchange with Copenhagen (Yeouido Hangang Park)





## **Hangang Art Park**



## Hangang\_ Art in the Flow

#### 한강예술공원

2018. 08.25 이촌/여의도 한강공원

www.hangangartpark.kr

#### flow 3

- 18 핑크 펭귄과 노랑 거대 달팽이\_크래킹 아트
- 19 사색적 허공\_박기원
- 20 플라밍고\_이동헌 21 플레이스케이프\_와이크래프트보츠
- 22 한강나무 -P6\_신치현
- 23 북극곰 지용호
- 24 미루나무들 정이삭
- 25 감각의 증폭 맺음
- 26 버티컬호라이즌 한경우
- 27 상상(相根) 맹오재
- 28 검 앤 고 최민건
- 29 생츄어리\_김명범
- 30 과거가 될지도 모르는 이야기\_라이트헬
- 31 타임라인 백토린 뮐러 32 어센션 리처드 휴면 \*\*\*

#### flow 4

[Tourism Resource] Yeouido, Ichon

- 33 눈부신 위장술 최성균
- 34 리버파빌리온 온더리버 루크제람 / 에이치엘디
- 35 궁극공간\_부지현
- 36 만선-용어\_나현, 부지현
- 37 강변호 상경기\_나현



#### flow 1

- 1 호등\_최재혁
- 2 무제(두사람) 함영훈
- 3 도깨비 스톨\_김지윤 4 한강어선이야기 하나\_바다바람
- 심희준, 박수정
- 5 한강어선이야기 셋\_해춘\_ 심희준, 박수정
- 6 에어가든\_강승현, 박태형
- 7 여행자 정원 유화수
- 8 등지 구성회
- 9 뉴스트럭처-한강\_권오상
- 10 그물망 쉼터 산업예비군 11 씨골 김민애
- 12 한강포엠패빌리온\_송지연

#### flow 2

I-SEOUL-U

- 13 스크롤 호르는 이야기 모토엘라스티코
- 14 바람의 집 조재명
- 17 밤무지개\_허수빈





- - 15 뿌리벤치 이용주
  - 16 비또는 햇살 이반 나바로



## Seoul Battleship Park



## [Tourism Resource] 3 warships on display

Opened: November 22, 2017

Visitors: 217,351 (as of 2018)







## Hangang History Tour

I-SEOUL-U



[Tourism Resource] 12 walking courses (Since 2012)

### 2019 **Hangang History Tour**

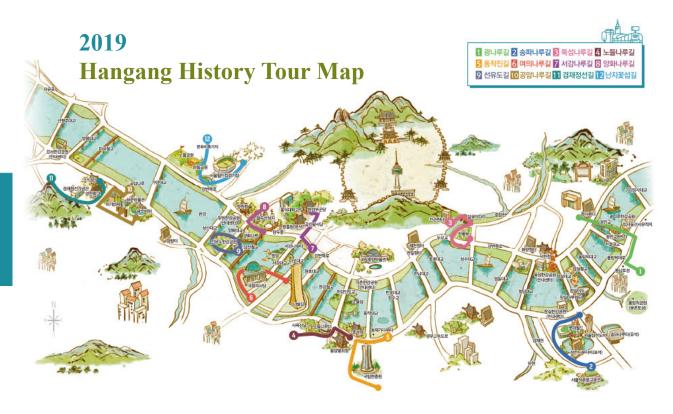
The Story of Hangang Told by A Historical Commentator



#### Discovering the Hidden History and **Culture of the Hangang River**

12 walking courses

gil · Dongjakjin-gil · Yeouinaru-gil · Seogangnaru-gil · Seonyudo-gil · Gongamnaru-gil · Gyeomjae Jeongseon-gil · Nanjikkotseom-gil



## 五色漢江

The Story of the Hangang River Told through 5 Colors

## FESTIVAL & LEISURE



## X Year-Round Cultural Events of Hangang Parks

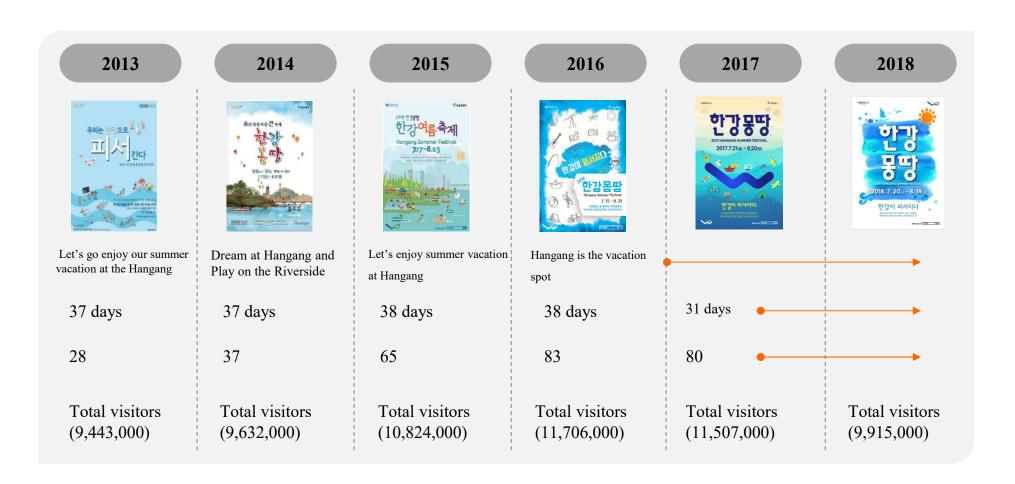
Date	Event	Location	Details	
¶ay, October	Hangang Seoraeseom Canola Festival	Banpo Hangang Park	Photo zones for the enjoyment of flowers, small-scale performances, experience events, etc.	
July- August	Hangang Summer Festival	Hangang Park	80 culture and art programs including Film screenings, prefestival performances, Paper Boat Race, Under the Bridge Film Festival	
September	Hangang Paper Plane Festival	Yeouido Hangang Park	Paper plane-flying experience, aviation program, performances, etc.	
April- October	NupCon Concert at the Yeouido Floating Stage watched while lying down	Yeouido Hangang Park	Jazz•indie bands•Gugak, etc., popular culture performances, rental for performances, etc.	
April- October	Riverview 8th Avenue (Gwangjingyo Bridge) Cultural Programs	Gwangnaru Hangang Park	Permanent exhibitions, small-scale performances, rental for performances, busking, etc.	
April- October	Hangang busking	1 Hangang Parks	Support for free street performances, monthly collaboration performances, festival operation, etc.	





## Hangang Summer Festival

## Hangang River's Representative Festival: Every year from July-August (1 month)





## Hangang Water Activities











#### **6** swimming pools at the Hangang **Parks**

Ttukseom, Yeouido, Gwangnaru, Mangwon, Jamsil, Jamwon Hangang Parks

### 2 wading pools at the Hangang Parks

Nanji, Yanghwa Hangang Parks



## 🔯 Bicycle Heaven, Hangang River

### Safe Hangang bicycle paths separate from trails

• Nanji Hangang Park – Mangwon Hangang Park (Northwestern end of the Hangang River)

Length: About 9 km

**Course beyond** the ferry

- Healing Forest Ichon Hangang Park Ttukseom Hangang Park (Northeastern end of the Hangang River)
  - Length: About 10 km

Natural Fairy Tale Course that changes every

- · Gangseo Hangang Park Yanghwa Hangang park (Southwestern end of the Hangang River)
- Length: About 10 km

Colorful

- Yeouido Hangang Park Banpo Yanghwa Hangang Park (Southwestern end of the Hangang River)
- Length: About 10 km

**Course – time travel** along the water

- **Cheonggyecheon** Jamsil Hangang Park Jamwon Hangang Park (Southeastern end of the Hangang River)
  - Length: About 11 km

\_\_\_\_\_

Sweet and smooth **Honey Silk Road** 

- Ttukseom Hangang Park Cheonggyecheon Stream (Connects Seoul's major stream with the Hangang River)
- · Length: About 10 km

Willow Picnic

- · Gwangnaru Hangang Park Amsa Ecological Park (Seoul's border at northeastern end of the Hangang River)
- Length: About 10 km







## Major Leisure Facilities

Nanji Camping Site, the only city camping ground at the Hangang River for the enjoyment of camping and cooking







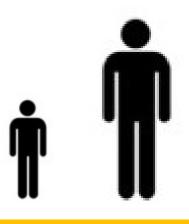
## 五色漢江

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## SAFETY & CLEANING



### Improvements in Cleaning the Hangang Parks (Making Clean Hangang Parks)





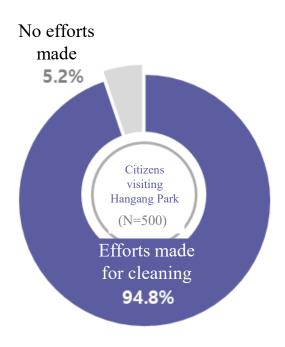
Number of visitors doubled in the past 10 years → 12% increase in waste production

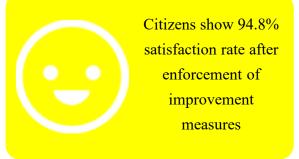
Clean-Up Garbage Bag Guidelines, Realname-signed System

Designated approved areas for shade canopies

Publicity campaigns (plogging)









## **2030 Hangang River Nature Restoration**

### **2030 Hangang Nature Restoration Project**





environment



Restoration of clean waters



Eco-friendly use





Creation of Hangang Foresta



Improved water quality of Hangang River



Restoration of habitats



Historical & cultural viewing, and experiences



Connection of disconnected ecological axis



Park use & management



Restoration of river waters



Construction of basis for citizen-oriented river management



Restoration of natural waterfronts



## Natural Waterfront Restoration Project

Restoration of natural waterfronts through natural shores with removal of heavy concrete

> Shortterm results



Ichon Hangang Park

3.4 km, Dongjakdaegyo Bridge – northern Wonhyodaegyo Bridge



•8 ecological forests & forests for use

- 2.9k m, non-enforced section of midway plan
- •3 sites including Jamsil Hangang Park
- 4.8 km











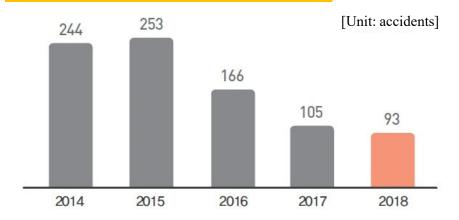
## Safety Culture Campaign and Facility Improvement





Colored pedestrian paths

## Bicycle accidents each year





Improved visibility



## Current state of underpasses and elevators

Under passes	56 places		
Pedestrian overpasses	13		
Elevators	35 in		
	23 places		



**Pungnaptoseong Underpass** 



Naruteo-gil Underpass



**Jamsil Underpass** 

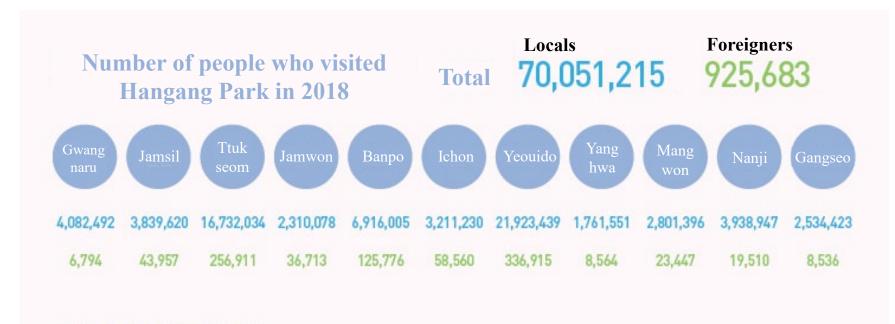


Jamsil-Naru Underpass



## 3. Vision of the Hangang River

## Hangang River 2018



## **Hangang Park Facilities**

Accessible facilities	Accommodation facilities	Other cultural facilities	Sports facilities	Other facilities (lighting, safety signs,
6 types in 241 places	10 types in 4,625 places	6 types in 27 places	in 266 areas	14 types in 15,120 places

### **HANGANG VISION**

# Hangang Parks where citizens are satisfied and happy

**Project 1** 

Healthy Hangang **Project 2** 

Happy Hangang **Project 3** 

Safe Hangang

Natural restoration, improved water quality, creation of ecological environments

Improvement of tourism resources and revitalization of cultural programs

Strengthened safety management and response to disasters













