



Climate Change Adaptation and Urban Resilience

Study Trip in South Korea

项目手册

Program Book



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Welcome to Korea



Autumn in Korea

In Seoul during October, daytime temperatures usually range from around 19°C to 9°C, with big differences between day and night. It's best to bring layered clothing, and since the air can be dry, a moisturizer or mask is also recommended.

Wi-Fi & SIM Card

Seoul has widespread public Wi-Fi, available in many cafes, hotels, and public spaces

You can either buy a local SIM card at the airport or use roaming services with your international provider

Voltage & Plugs

The electrical voltage is **220V, 60Hz**

The plugs used are of the **two-pin round type**

Currency

South Korean **Won (KRW)**

You can exchange money at the airport, banks, or use ATMs

Time Zone

Korea Standard Time (KST, UTC+9)

ICLEI East Asia Secretariat

+82 (0)70-8857-0192

Emergency Services

Police: 112

Fire & Ambulance: 119

Local Hospitals

Seoul National University Hospital: 02-2072-2114

Samsung Medical Center: 02- 3410-0210

Recommendations

Carry a Credit Card or Cash

While credit cards are widely accepted in Seoul, carrying some cash is helpful for smaller vendors, street markets, or public transportation

To handle the dramatic temperature swings of a Korean autumn, we highly recommend bringing layered clothing. This allows you to stay comfortable by easily taking off lighter layers during the warm daytime and putting them back on as the temperature drops in the evening.

In addition, since the autumn air in Korea can be quite dry, it's a good idea to pack a moisturizer or a face mask to keep your skin hydrated.

Cautions

Do Not Smoke in Public Areas

Smoking is only allowed in designated smoking areas

Be Mindful When Taking Photos

In South Korea, personal privacy is highly valued. Please seek permission before photographing individuals in public spaces to ensure respect for their privacy

Note: Participants are encouraged to bring their own personal cups to promote sustainability and reduce single-use waste

Key Takeaways From Each Site

拜会机构明细

Location or organization	Key Focus	Website
ICLEI East Asia Secretariat	ICLEI's mission for sustainability; itinerary of the study trip	https://eastasia.iclei.org/ [2024 Study Trip to Korea Report] https://eastasia.iclei.org/publication/adaptation-and-urban-resilience-study-trip-in-south-korea-program-report/
Seoul Metropolitan Government (SMG)'s Climate and Environmental Policy Division & Citizens' Committee for Green Seoul	Citizens' Committee for Green Seoul, a committee consists of citizens, local governments and various stakeholders from Seoul; Urban resilience, local community engagement, and environmental policies	https://ecoarchive.org/items/show/83863 (Korean Only) SMG's local act on establishment and operation of Green Seoul (Korean only, Link)
Korea Environment Institute (KEI)	National framework for climate change adaptation; urban resilience; city-to-city cooperation	[Ministry of Environment] https://www.me.go.kr/eng/web/main.do [KEI] https://www.kei.re.kr/eng/ [KACCC] https://kaccc.kei.re.kr/home/eng/eng.jsp
Suwon Special City Hall	Sustainable development initiatives, including urban planning and green infrastructure	https://www.iges.or.jp/sites/default/files/inline-files/2022%20Suwon%20SDG%20Report.pdf
Haenggung-dong Eco-Mobility Village (Guiding organization: ICLEI Korea Office)	Green transportation solutions, walkable urban designs, and sustainable community planning	https://sustainablemobility.iclei.org/ecomobility-alliance/suwon-rep-of-korea/
Nowon EZ Center	ZEB (Zero Energy Building), building energy efficiency	http://www.ezcenter.or.kr/ (Korean Only)
Gongneung Youth Center for Cultural & Information	Renewable energy initiatives, youth involvement in sustainable energy projects	http://gycenter.or.kr/ (Korean Only)
Lotte World Tower	Building efficiency	https://www.lwt.co.kr/en/about/tower-story.do
Cheonggyecheon Stream Walking Tour	Urban restoration, public space revitalization, and environmental conservation efforts	https://english.seoul.go.kr/cheonggyecheon-stream-3/

Itinerary

Day	Time	Venue	Content
10.13 Mon	15:20-16:30	Seoul Global Center	Study Trip Orientation & ICLEI East Asia introduction - Introduction & Welcoming speech - Study trip orientation - Introduction to ICLEI East Asia Secretariat activities
	18:00~19:30		Welcoming dinner
10.14 Tue	10:00-11:30	Seoul City Hall Seosomun Complex	Seoul Metropolitan Government & Citizens' Committee for Green Seoul - Presentation on governance and climate change adaptation work by the Citizen's Committee for Green Seoul - Discussion on governance and citizen engagement on climate change
	12:30-13:30		Lunch
	15:00-17:30	Yongsan Station ITX 3 Meeting Room	Exchange session between MEE and KEI representing the Ministry of Environment of Korea - Korea's climate change adaptation and resilience policies - China's cases of enhancing climate change adaptation and resilience - Exploring opportunities for cooperation
10.15 Wed	10:00-11:30	Suwon Hwaseong Museum	Suwon Special Case City's sustainability Presentation on Community-led Sustainable Development: the Suwon Model by Suwon Council for Sustainable Development
	12:30-13:30		Lunch
	14:00-16:00	Eco-Mobility Village	Site visit to the EcoMobility Village
10.16 Thu	10:00-12:00	Nowon EZ Center	Site visit to Nowon EZ Center for building energy efficiency
	12:20-13:20		Lunch
	13:40-15:30	Gongneung Youth Culture Information Center	Site visit to Gongneung Youth Culture Information Center - Center's establishment and operation - Artificial green space under a solar panel on the roof
	16:30-17:30	Lotte Tower	Site visit to Lotte World Tower Energy efficiency & Seoul Sky
10.17 Fri	10:00-11:00	Cheonggye-Cheon	Site visit to Cheonggye-cheon Stream
	11:30-12:30	Seoul Global Center	Closing , lunch and free departure

议程安排一览

日期		行程安排	地点	机构简介
10月13日	上午	抵达韩国 入住酒店	仁川机场至酒店	
	下午	与宜可城东亚秘书处座谈 介绍本次考察整体安排 欢迎晚餐	首尔全球中心4楼会议室	宜可城是由全球2,500多个地方政府共同组成的合作组织，积极倡议制定可持续发展相关政策，并在地方层级推动迈向低碳、基于自然、公平、韧性和循环的发展行动。
10月14日	上午	与绿色首尔市民委员会就气候适应工作进行座谈	首尔市绿色首尔市民委员	首尔市通过市民参与机制推动气候适应政策，绿色首尔市民委员会是一个推动环境政策与城市韧性目标的参与式平台。
	下午	韩国环境研究院	首尔龙山站会议室	座谈旨在促进双方在气候变化适应、城市韧性、减灾防灾等领域交流，推动政策经验交流和知识共享。
10月15日	上午	与水原市政府就可持续发展议题座谈	水原华城博物馆	水原市通过兼顾环境、经济与社会要素推进可持续发展，定了本地化水原2030SDGs框架，体现了市民参与和社区主导的治理模式。
	下午	参观生态交通示范村,了解社区主导的绿色出行实践	水原市行宫洞生态交通村	生态交通村起源于2013年由宜可城主导的生态出行庆典大会，是一个无车街区与绿色出行文化结合的社区示范项目，至今仍由当地居民和地方政府共同维护和推广。
10月16日	上午	访问芦原区零碳建筑中心，座谈了解零能耗建筑的设计与运营实践，并参观示范社区与教育展陈，交流面向公众的科普与体验项目组织方式。	芦原区零碳建筑中心	芦原区零碳建筑中心是首尔市首个展示零能耗住宅小区建设与运营的公共教育与体验空间。中心通过展陈与示范项目，推广低碳建筑理念，帮助公众了解应对气候变化的实践路径。
	下午	与孔陵青少年文化信息中心座谈,考察中心运营的中心屋顶太阳能板下的人工绿地	孔陵青少年文化信息中心	孔陵青少年文化信息中心通过设置屋顶太阳能板与人工绿地，展现了公共建筑结合绿色基础设施以支持本地适应与环境教育的实践。

		考察首尔市地标建筑乐天塔里的能源中心、参观蚕室地区城市节能建筑实践	首尔乐天塔	乐天塔能源中心是高层建筑中实现节能系统的典范，是通过智能能源管理减少排放、提升城市可持续性的实践案例。
10月17日	上午	考察清溪川项目	清溪川	清溪川是首尔市增强韧性和适应气候变化的典型案例，通过生态恢复和防洪改善提升城市防灾能力、促进了可持续城市环境和市民福祉。
	下午	考察总结、反馈 自由时间及返程	首尔全球中心会议室	

Detailed Agenda

10.13

10.13 (Mon), Seoul Metropolitan City

[15:20 - 16:30] @ Seoul Global Center 402 Meeting Room

1. ICLEI - Local Governments for Sustainability

- ICLEI is a global network of over 2,500 local and regional governments committed to sustainable urban development. Founded in 1990, ICLEI aims to drive local climate and sustainability actions worldwide.
- It works through its Five Pathways:
zero emission, nature-based, equitable, resilient and circular development
- ICLEI operates through 24 secretariats and offices globally and has members from 131 countries.

ICLEI East Asia Secretariat

The ICLEI East Asia Secretariat, based in Seoul, South Korea, serves local governments in China, Japan, Korea, and Mongolia, with a membership of 118 local governments across the region. Its core team consists of professionals with expertise in sustainability and urban planning. This office focuses on climate action, carbon neutrality, resilience, and fostering collaboration among East Asian cities to accelerate sustainable urban development. ICLEI East Asia Webpage: <https://eastasia.iclei.org/>

Meeting agenda:

- Introduction to ICLEI East Asia Secretariat
- Introduction to the itinerary of the study trip
- Discussion on possible collaboration and Q&A session

We are going to meet:

- **Mr. Shu Zhu**, Regional Director;
Ms. Ge Liu, Strategy Manager;
- **Ms. Xiaoqian Zhou**, Communication Officer;
Ms. Yeonah Ku, Program Officer
- **Ms. Yeajin Han**, Program Consultant

10月13日（周一）

[15:20 - 16:30]

会议时间：10月13日（周一）15:20 - 16:30

会议地点：首尔全球中心402会议室

拜访机构：宜可城-地方可持续发展协会东亚秘书处

座谈人员：

- 朱澍 主任
- 刘歌 战略经理
- 周筱芊 传播官员
- 具妍我 项目官员
- 韩礼真 项目助理

座谈内容：

- 介绍 ICLEI 东亚秘书处
- 介绍本次考察行程安排
- 探讨潜在合作领域及交流

机构简介：

宜可城是在联合国支持下，于 1990 年成立的全球最大的地方政府间可持续发展合作组织，由全球 2500 多个城市和地区会员组成。宜可城积极支持地方政府采取可持续发展行动，推动城市迈向更低碳、基于自然、有韧性、循环和以人为本的发展路径，促进城市可持续发展和转型。宜可城是《联合国生物多样性公约》、《联合国气候变化框架公约》、《湿地公约》等全球主要环境公约的重要合作伙伴和对接地方政府参与履约有关活动的协调员机构，积极支持城市和地方政府参加公约框架下的重大国际会议和技术项目。宜可城全球秘书处位于德国波恩，东亚秘书处位于韩国首尔，并于 2018 年经政府批准成立北京代表处。

10.14 (Tue), Seoul Metropolitan City**[10:00 - 12:00]** @ Seoul City Hall Seosomun Complex Meeting Room**1. Citizens' Committee for Green Seoul** (with its responsible division, the Climate and Environmental Policy Division from SMG)**Key features:**

- Citizens' Committee for Green Seoul was established by a municipal ordinance of the Seoul Metropolitan Government, the committee comprises 100 experts from various fields, including civic groups, professionals, entrepreneurs, journalists, legal experts, youth, and city council members. The Climate and Environmental Policy Division's Governance Practice Team at Seoul City Hall serves as the committee's dedicated administrative body, supporting its efforts to drive impactful environmental initiatives.
- The Citizens' Committee for Green Seoul was launched in 1995 as part of Seoul Metropolitan Government's efforts to enhance environmental governance. Its establishment was influenced by the 1992 United Nations Conference on Environment and Development (UNCED), which introduced Local Agenda 21, as well as the revival of local autonomy and the rise of civic activism in Korea.
- Functions: The committee plays a key role in shaping Seoul's environmental policies by engaging in: Policy planning, execution, and evaluation monitoring; Reviewing the formulation of Seoul's environmental conservation plans and the designation of ecological landscape protection areas; Serving as a platform for collecting public opinions on environmental issues; and Developing strategies to expand civic participation in environmental initiatives.
- Structure: The committee is co-chaired by three representatives from civil society, business, and the public administration sectors. Its members include representatives from civic groups, academia, businesses, the legal sector, the media, youth organizations, the city council, and public officials.

Meeting agenda:

- Introduce to the committee: Its unique establishment, structure of the committee, projects, and citizen engagement programs
- Session for question and answer

We are going to meet:

- _____, Governance Practice Team Manager,
Mr. Seunghan Lee, Officer; and
_____, Officer from the Climate and Environmental Policy Division;
- **Mr. Seunguk Han**, Officer from Green Seoul;
- **Dr. Kwon Jeong**, Professor, Kunkuk University (also a member of Green Seoul); and
- **Mr. Seonghwan Min**, Co-president, Ecological Conservation Citizens' Meeting (also a member of Green Seoul)

10月14日（周二）

[10:00 - 12:00]

会议时间：10月14日（周二）10:00 - 11:00

会议地点：首尔市政厅西小门综合大楼会议室

拜访机构：绿色首尔市民委员会及首尔市气候与环境政策处

座谈人员：

- 李承翰 气候与环境政策处 主务官
- 韩升旭 绿色首尔相关官员
- 权正 建国大学教授 委员
- 闵成焕 市民生态保全会议共同代表 委员

座谈内容：

- 介绍绿色首尔市民委员会的设立背景与独特性
- 介绍委员会的组织架构
- 委员会的项目和市民参与计划
- 问答与交流

机构简介：

绿色首尔市民委员会是根据首尔市条例设立的，由来自各领域的 100 名专家组成，包括市民团体、专业人士、企业家、记者、法律界人士、青年代表和市议员等。首尔市气候与环境政策处的治理实践团队为委员会提供行政支持，推动其环境治理工作。绿色首尔市民委员会于 1995 年成立，是首尔市提升环境治理能力的重要举措之一，其设立受 1992 年联合国环境与发展大会（UNCED）提出的《地方议程 21》影响，同时也契合了韩国地方自治制度恢复和市民社会兴起的背景。绿色首尔市民委员会在首尔环境政策制定中发挥着核心作用，主要职能包括：政策规划、执行和评估监督；审查首尔市环境保全规划与生态景观保护区指定方案；作为收集公众意见的平台；制定扩大市民参与环境行动的战略。委员会的结构由市民、企业和政府三方的共同代表担任联合主席，成员包括市民团体、学界、企业界、法律界、媒体、青年组织、市议会及公共部门的代表。

[15:00-17:30] @ Yongsan Train Station ITX3 Meeting room

2. Korea Environment Institute

Key features:

- The Korea Environment Institute (KEI), established in 1993, is Korea's leading research institute on environment and sustainable development. It is a government-funded national policy research institute that operates independently under the Office of the Prime Minister, while working in close collaboration with the Ministry of Environment (MOE). KEI's mandate is to provide the government, particularly the Ministry of Environment, with research on environmental and climate policies, legal advice, environmental assessments, and strategic consulting.
- Although institutionally independent from the Ministry of Environment, KEI functions as the Ministry's core think tank. Almost all national-level environmental policies and legislation in Korea—such as the Carbon Neutrality Roadmap, air pollution control, and waste management and circular economy policies—rely on KEI's research and policy assessments. Before formulating new policies or submitting bills to the National Assembly, the Ministry of Environment usually commissions KEI to conduct preliminary studies, modeling, and policy impact analyses.
- At the policy-making level, KEI plays a critical role. It serves as the think tank of the Ministry of Environment throughout policy design and implementation, and provides the foundation for major laws and strategies. For instance, the "Framework Act on Carbon Neutrality and Green Growth" and the "National Climate Change Adaptation Strategy" are both grounded in KEI's research outputs. In international cooperation, the Ministry often invites KEI to present Korea's experience, since KEI represents both academic and policy authority and effectively showcases Korea's comprehensive achievements in environmental governance.

Meeting agenda:

- Sharing the status of Korea's climate change adaptation and resilience.
 - Korea's climate change adaptation work system: roles of different ministries, coordination and collaboration mechanisms with other departments, and the legal framework.
 - Cases of climate change adaptation and urban resilience at the local government level
- Cases of enhancing climate change adaptation and resilience through pilot projects
- Discussion on Korea–China Cooperation in Climate Change Adaptation

We are going to meet:

- **Dr. Taehyoung Kim**, Senior Researcher;
- **Dr. Juyoung Kang**, Senior Researcher of Korea Adaptation Center for Climate Change (KACCC);
- **Dr. Jiyeon Song**, Research Fellow of Division for Environmental Planning; from KEI

[15:00 - 17:30]

会议时间：10月14日（周二）15:00 - 17:30

会议地点：首尔市龙山站 ITX3 会议室

拜访机构：韩国环境研究院

座谈人员：

- 金泰亨 高级研究员
- 姜周妍 韩国气候变化适应中心 高级研究员
- 宋智允 环境规划研究室 研究员

座谈内容：

- 分享韩国气候变化适应与韧性的现状
- 韩国气候适应工作体系：各部门分工、协调机制及法律框架
- 地方政府气候变化适应与城市韧性案例
- 通过试点项目提升气候适应与韧性的案例
- 探讨中韩在气候变化适应领域的合作

机构简介：

韩国环境研究院（Korea Environment Institute, KEI）成立于1993年，是韩国最主要的环境与可持续发展政策研究机构。它是一个政府出资的国家政策研究机构，在组织架构上保持独立，隶属于韩国总理办公室所监管的国家研究机构体系，但在业务上与韩国环境部保持着紧密的合作关系。KEI的职责是为韩国政府，特别是环境部，提供环境与气候政策研究、法律建议、环境评估和战略咨询。

KEI在组织架构上独立于韩国环境部，但在职能上被视为环境部的核心智库，几乎所有韩国国家层面的环境政策和立法（如碳中和路线图、大气污染治理、废弃物与循环经济政策等）都依赖KEI提供研究和政策评估。韩国环境部在制定新政策、提交国会法案之前，通常会委托KEI进行前期研究、模拟和政策影响分析。从政策制定层面看，KEI扮演着至关重要的角色。它既是韩国环境部在政策形成和执行过程中的“智囊”，又为重大法律与规划提供研究基础。例如，韩国《碳中和绿色增长法》和《国家气候适应战略》等重要文件，都是由KEI的研究成果作为支撑。在国际交流与合作中，韩国环境部经常邀请KEI来介绍韩国的经验，考虑到KEI的研究既具有学术与政策结合的权威性，也能系统展示韩国在环境治理方面的成果和经验。

10.15 (Wed), Suwon Special City**[10:00 - 11:30]** @ Suwon Hwaseong Museum**1. Suwon's Initiatives For Sustainable Development****Key features:**

- Suwon Special City prioritizes a balance between environmental, economic, and social aspects in pursuing sustainable development. Suwon has also adopted the "Suwon 2030 SDG Framework (Suwon Sustainable Development Goals; SDGs)" tailored from the UN SDGs, driving numerous citizen participation programs to support these objectives.
- Suwon SDGs was developed through a bottom-up process, with the vision: "A City Where Humans and the Environment Coexist Sustainably." There are 10 committees consisting of the Suwon Council for Sustainable Development (Suwon CSD), the City Government, the City's SD committee, business sector, and academia for each goal.
- To achieve the SDGs, Suwon has established well-managed governance between citizens and the government. Key implementation examples include the establishment of a citizen network, report meetings, a biodiversity network, and a rainwater supply system. Suwon's specialized governance ensures a well-organized process for setting goals, implementation, and monitoring.

Meeting agenda:

- Introduction to Suwon SDGs: development by citizen engagement and governance, goals, indicators, and monitoring with citizens
- Question and answer session

We are going to meet:

- **Team Manager** and **Division Manager** from Suwon Special City
- **Ms. Yunju Jeong**, Officer from Climate Energy Division
- **Mr. Jongah Park**, Director from Suwon Council for Sustainable Development

10月15日（周三）

[10:00 - 11:30]

会议时间：10月15日（周三）10:00 - 11:30

会议地点：水原市华城博物馆

拜访机构：水原市政府

座谈人员：

- 部门经理与处室负责人
- 郑允珠 气候能源处 主务官
- 朴钟娥 水原可持续发展委员会 主任

座谈内容：

- 介绍水原市可持续发展目标（SDGs）的制定过程及市民参与
- 水原市 SDGs 的目标、指标及市民共同监测机制
- 问答与交流

机构简介：

水原特别市在追求可持续发展过程中，强调环境、经济与社会三方面的平衡。水原市政府制定了本地化的《水原 2030 可持续发展目标》，以联合国可持续发展目标为蓝本，其愿景是“人与环境可持续共生的城市”。水原 SDGs 通过自下而上的方式制定，建立了包括市政府、市民委员会、企业和学术界在内的十个目标委员会。为实现这些目标，水原建立了完善的市民—政府治理机制，具体举措包括市民网络的建设、年度报告会、生物多样性网络和雨水收集利用系统等。水原特色的治理模式确保了目标设定、实施与监督的有序进行。

[14:00 - 16:00] @ Hanggung-dong

2. Haenggung-dong EcoMobility Village

Key Features:

The Haenggung-dong EcoMobility Village was established during the 2013 EcoMobility World Festival, a car-free and environmentally friendly transportation area, created by the city of Suwon. The festival was co-hosted by Suwon City, ICLEI, and UN Habitat.

- **Car-Free Zone:** During the festival, cars were restricted, and only walking and eco-friendly transport modes were allowed.
- **Eco-Friendly Transport Infrastructure:**
 - Bicycle rental stations
 - Electric scooters and kickboards
 - Shared electric vehicle charging stations
- **Community-Driven Projects:**

Residents actively participated in the planning process and continue to promote a culture of eco-mobility.

We are going to meet:

- **Ms. Yeonhee Park**, Regional Director of the ICLEI Korea Office

[14:00 - 16:00]

会议时间：10 月 15 日（周三）14:00 - 16:00

会议地点：水原市行宫洞

拜访机构：行宫洞生态交通示范村

座谈人员：

- 朴妍熙 宜可城韩国办公室 主任

座谈内容：

- 考察生态交通示范区
- 了解市民主导的绿色出行文化与实践
- 问答与交流

机构简介：

水原市行宫洞生态交通示范村于 2013 年举办的全球生态交通庆典期间建立，该活动由水原市、宜可城和联合国人居署共同主办。在活动期间，该地区全面禁车，仅允许步行和绿色交通方式通行。大会结束后，行宫洞仍保留了生态交通特色，成为市民持续推动绿色出行文化的实践基地；同时，示范村还配备了自行车租赁站、电动滑板车与电动自行车设施、共享电动车充电桩等生态交通基础设施。

10.16 (Thu), Seoul Metropolitan City**【10:00 - 12:00】** @ Nowon EZ Center**1. Nowon EZ Center****Features:**

- **Nowon EZ Center** introduces Korea's first Net-Zero Energy Housing Complex, initiated by Nowon District to reduce reliance on fossil fuels and respond to the urgency of climate change. Through various programs, the center shares the technologies, materials, and efforts applied to the project. Visitors can experience how the complex provides a comfortable living environment without fossil fuels and explore the future of Net-Zero Energy Buildings leading the post-coal era.

We are going to meet:

- Guides from Nowon Environment Foundation

【13:40 - 15:40】 @ Gongneung Youth Center for Culture & Information**2. Gongneung Youth Center for Culture & Information****Key features:**

- The Gongneung Youth Center for Culture and Information is a public youth facility and library established by Nowon-gu District in Seoul. The center consists of six above-ground floors and one basement level. It actively supports youth-led projects and club activities, providing a space for young people to engage in cultural and informational initiatives.
- The Gongneung Youth Center for Culture and Information has implemented a green roof initiative by installing solar panels and planting moss underneath them. This project was funded through the Citizen Participation Program of the Citizens' Committee for Green Seoul.
- Moss was chosen for the rooftop greening as it does not require deep soil due to its rhizoid-based structure, making it an efficient and lightweight option. Additionally, moss has a high carbon absorption capacity, contributing to the city's environmental sustainability efforts.

Meeting agenda:

- Introduction to the center's operation and education program
- A case study on rooftop greening where moss was planted beneath solar panels
- Question and answer
- Tour of the center

We are going to meet:

- **Mr. Seunghun Lee**, Director of the Gongneung Youth Culture Information Center

10月16日（周四）【10:00 - 12:00】

会议时间：10月16日（周四）10:00 - 12:00

会议地点：首尔市芦原区零碳建筑中心

拜访机构：芦原区零碳建筑中心

座谈人员：

- 芦原环境财团讲解人员

座谈内容：

- 介绍零能耗住宅小区的设计与运行实践
- 分享建筑节能技术与市民体验项目
- 问答与交流

机构简介：

芦原区零碳建筑中心展示了韩国首个由地方政府主导的零能耗住宅小区，目标是减少对化石燃料的依赖，应对气候变化挑战。该中心通过展览、教育和体验项目，介绍相关的技术、材料和政策措施。参观者可以亲身体验如何在不依赖化石能源的情况下，依然享有舒适的生活环境。该中心也为未来“后煤炭时代”的零能耗建筑发展提供了示范。

【13:40 - 15:40】

会议时间：10月16日（周四）13:40 - 15:40

会议地点：首尔市孔陵青少年文化信息中心

拜访机构：孔陵青少年文化信息中心

座谈人员：

- 李承勋 主任

座谈内容：

- 介绍中心的运营与教育项目
- 案例介绍和考察：屋顶光伏板与苔藓绿化结合的模式
- 问答与交流

机构简介：

孔陵青少年文化信息中心是由首尔市芦原区设立的公共青少年设施和图书馆，设有地下一层和地上六层。该中心支持青年主导的项目和社团活动，提供文化与信息活动的空间。中心实施了在光伏板下种植苔藓的屋顶绿化计划，该项目通过首尔市民委员会的市民参与计划获得资金支持。苔藓由于其根状结构，不需要深厚土壤，重量轻，适合屋顶绿化。同时，苔藓具有较强的碳吸收能力，为城市的可持续发展作出贡献。

【16:30 - 17:30】 @ Lotte World Tower

3. Lotte World Tower Energy Center

Features:

- Geothermal Energy System: Utilizes the largest-scale geothermal system in Korea, with heat exchangers installed 150-200 meters underground for cooling and heating.
- Hydrothermal Energy System: Leverages the Han River's water pipes to produce approximately 17,000 MWh of electricity annually.
- Solar and Wind Power: The center is equipped with solar and wind power generation facilities.
- Comprehensive Utility Management: It manages both mechanical and electrical systems, including an extensive emergency power generation system, to ensure the stable supply of energy throughout the tower.

Note: The original plan was to visit the Energy Center, followed by a trip to the Seoul Sky observatory at Lotte Tower to view the city from its highest point. However, due to internal issues at Lotte Property & Development, the Energy Center visit will be replaced with another site focused on building energy efficiency, while the visit to Seoul Sky will remain as scheduled.

【16:30 - 17:30】

会议时间：10月16日（周四）16:30 - 17:30

会议地点：首尔乐天世界塔及能源中心

拜访机构：首尔乐天世界塔及能源中心

座谈人员：

- 李灿 项目官员

座谈内容：

- 介绍大厦能源系统
- 节能措施与实践
- 参观首尔 Sky 观景台

机构简介：

乐天世界塔能源中心配置了韩国最大规模的地热能系统，热交换器埋设在地下 150 至 200 米处，为整栋大楼提供供暖与制冷。该能源中心还利用汉江的水管开展水源热能系统，每年可生产约 17,000 兆瓦时的电力。此外，大楼配备了太阳能与风能发电设施。能源中心通过综合能源管理系统，统一管理机电系统及应急供电系统，确保大厦能源供应的稳定。

备注：原计划在参观能源中心后前往首尔 Sky 观景台俯瞰城市。但由于乐天大厦内部原因，目前能源中心不对外开放。因此安排了芦原区零碳建筑替代首尔乐天世界能源中心，参考首尔 Sky 观景台将照常进行。

10.17 (Fri), Seoul Metropolitan City**[10:00 - 11:30]****1. Cheonggyecheon Walking Tour****Key Features:****Environmental Revitalization:**

- Restoration of Ecosystems: Revitalized urban stream with improved biodiversity, supporting native flora and fauna.
- Water Management: Features advanced water circulation systems, including rainwater collection and filtration, ensuring a continuous water flow while minimizing waste.
- Air Quality Improvement: Green spaces along the stream reduce urban heat and improve air quality, creating a pleasant urban environment.

Cultural and Historical Significance:

- Heritage Conservation: Maintains and showcases historical relics and bridges, linking the city's past and present.
- Community Engagement: Regular cultural events and art installations along the stream enhance public access and appreciation.

Social and Economic Benefits:

- Tourism Boost: Attracts millions of visitors annually, contributing to the local economy.
 - Accessible Urban Space: Provides a recreational area for residents and visitors, promoting inclusivity and well-being.
- Guided tours and informational plaques along the pathway provide insights into sustainable urban design, water management, and the history of the restoration process.

10月17日（周五）

[10:00 - 11:30]

会议时间：10月17日（周五）10:00 - 11:30

会议地点：清溪川

接待机构：首尔观光财团清溪川项目组

清溪川简介：

清溪川修复工程是首尔的重要生态复兴项目。通过水质改善和生态恢复，提升了城市生物多样性，增加了本地动植物的栖息地。项目设置了先进的水循环系统，包括雨水收集和过滤，确保了稳定水流，并减少浪费。绿化空间改善了空气质量，缓解了城市热岛效应，营造了舒适的城市环境。在文化与历史层面，项目保留了多处历史遗迹与桥梁，将城市的过去与现代相连接。沿河的文化活动与艺术装置提升了社区参与度和公共空间价值。在社会与经济效益方面，清溪川已成为首尔市民与游客的重要休闲地，每年吸引数百万游客，显著带动当地经济。沿途的解说与展板为公众提供了关于可持续城市设计、水资源管理与生态修复的教育。

Cheonggyecheon Wildlife 清溪川野生动物

1. Mallard	2. Great Egret & Little Egret
	

3. Grey Heron



오마이뉴스 (2018), <https://omn.kr/11221>

4. Chestnut-headed Tesia



5. Mandarin Duck



Male & female (Source: Jungdo Daily)

6. Kingfisher



7. Paddyfield Pipit



8. Common Pochard



9. Carp



10. Cabbage White Butterfly



11. Korean Tree Frog



12. Reeves' Turtle



13. Yellow Iris

