

CASE STUDY

Rotterdam (NL) – Busan (KR)

IURC – Asia & Australasia

JULY 19- 2023

Thematic Network(s): Innovative, Sustainable & Carbon Neutral Ecosystems & Strategic Sectors, Urban and Regional Renewal and Social Cohesion

Thematic Cluster(s): Mobility & Transport

Cross-cutting challenge(s): Digital Transition-Smart City

Topic keywords: Urban Mobility, Air Quality, Clean Energy, Climate Adaptation

Rotterdam (NL) – Busan (KR)

IURC – CASE STUDY

The City of Rotterdam is working with Busan Metropolitan City from the Republic of Korea to conduct a joint policy study on urban mobility. This pilot project is expected to help policy makers in both cities to create greener urban mobility ecosystems.

EXECUTIVE SUMMARY

As Busan Metropolitan city and City of Rotterdam share similar geographical characteristics, both cities have overlapping urban mobility challenges. Thus, a joint policy study on below five topics between Busan and Rotterdam will be very helpful for both cities' policy makers:

1. Public transportation (subway, bus)
2. Water Transportation (water taxi, water bus)
3. Active travel modes and/or shared mobility stimulation policies
4. Urban mobility ecosystem with minimized logistic pressure
5. Local authority's responsibility on Autonomous Vehicle access regulation

Furthermore, the results of this joint policy study action are expected to influence both cities' future partnership agreement positively. The study can be potentially presented at the annual Polis conference, Europe's leading sustainable urban mobility event, and published in a printed format.

To deliver this project successfully, both cities have secured support from multi-level stakeholders. *Busan Traffic Information Service Center* and *Busan Techno Park* will participate as key stakeholders along with both municipalities. All relevant stakeholders will contribute to publish the report and hold technical workshops to share challenges / experiences on urban mobility policy in their respective cities.



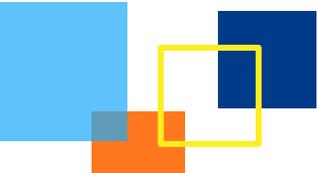
MAIN CHALLENGE AND SOLUTION

Rotterdam is the second-largest city in the Netherlands and Europe's largest seaport. The city is located at the mouth of the Nieuwe Mass channel, leading into the Rhine- Meuse-Scheldt delta at the North Sea. The extensive distribution, including rails, roads, and waterways, has earned Rotterdam the nickname "Gateway to Europe." The city plans to become a more pedestrian, cyclists and public transportation-friendly city by providing related connections to the city, mobility, and vital economic logistics. Based on the city's mobility trends and planned infrastructure, Rotterdam predicts that there will be an increasing interest in cycling as compared to the car usage.

The joint policy study will lead both cities to exchange knowledge about mobility policies, and this is expected to increase the density for the general policy and seek suggestions about policy goals, such as liveability, climate, and mobility.

Since Busan is the second-most populous city in the Republic of Korea and the biggest port city in the country, it has had a high demand for better public transportation. Through the joint policy study, Busan plans to share experience on the use of using smart city technologies and gain knowledge on maximizing the use of public transportation through innovative and convenient solutions for citizens.

“The different perspectives from EU and non-EU cities result in solutions we can adapt.” (Richard van der Wulp, Senior Mobility Advisor of City of Rotterdam)



RESULTS AND IMPACT

Throughout the study visits conducted in 2022, the City of Rotterdam and Busan Metropolitan City have solidified their commitment on exchanging knowledge in the mobility topic for a 2-year period. During the visits, Rotterdam officials have met mobility policy makers from Busan and their local companies who are collaborating with the city on increasing transportation inclusivity through taxi services. Furthermore, Busan has been chosen by the Korean national ministry MOLIT as one of two *Smart City National Pilot Cities*. The city has shared with Rotterdam its innovative project to bring together nature, people, and technology in future living.

The previous visits and exchanges highlighted the fact that cities in other continents have a different culture and climate, but in the cities also share many similar issues. As Rotterdam and Busan aim to reach ambitious climate goals, they will focus their future exchange on air quality, noise disturbance, problem of housing, accessibility, and fast technical development. The cities believe that this continuous pilot project can enable them to learn solutions from a different perspective, helping policy makers to develop their cities to a better place.

In line with the cooperation and discussion led by both municipalities, Rotterdam has completed the joint policy study report in May 2023, which reviews Rotterdam's general mobility policy and their vision towards a zero-emission zone for logistics within the city inner ring. The Rotterdam's 2025 zero-emission zone plan, which will result in all freight vehicles being zero emission by 2030, will be highlighted in the study.

KEY FIGURES

2

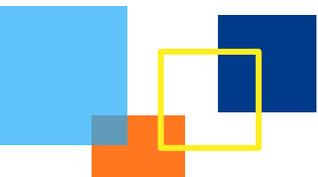
Rotterdam and Busan agreed on a cooperation for a two-year term on mobility

7

Rotterdam and Busan had 7 bilateral and multilateral meetings on cooperation actions

15

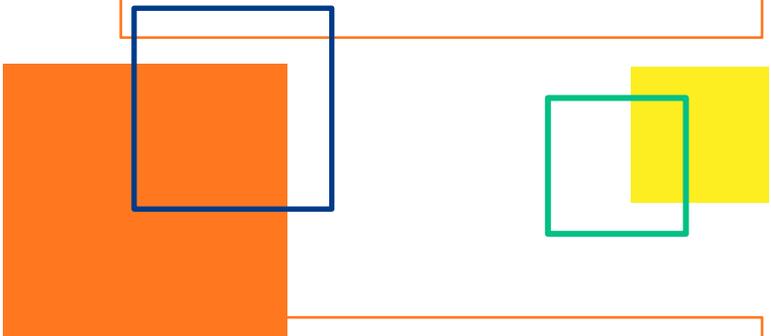
Rotterdam and Busan are aiming to increase the connectivity of city by realizing 15-minute city



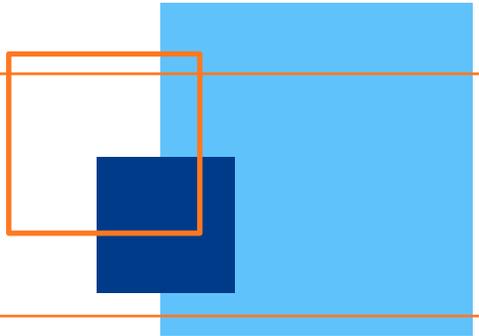
LESSONS LEARNED



Learn and understand the differences and similarities in the way decisions are made and in the process of public policy development and carrying out public responsibilities is crucial.



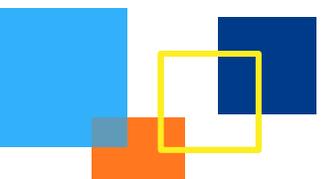
The language difference and time zone difference appear to be a significant barrier, therefore communication is essential.



Study visits helped cities to establish personal relations, converge on the subject for the cooperation, and identify who and what is necessary to develop the Urban Cooperation Action Plan (UCAP).



Coordination assistance from IURC is indispensable to speed up and facilitate the development of the relation between cities.



THE IURC PROGRAMME

The International Urban and Regional Cooperation (IURC) programme enables cities in different global regions to link up and share solutions to common problems. It is part of a long-term strategy by the European Union to foster sustainable urban development in cooperation with the public and private sectors, as well as representatives of research and innovation, community groups and citizens. Through engaging in IURC, cities will have the chance to share and exchange knowledge with their international counterparts, building a greener, more prosperous future.

The IURC programme is an opportunity for local governments to learn from each other, set ambitious targets, forge lasting partnerships, test new solutions, and boost their city's international profile. Its activities will support the achievement of policy objectives as well as major international agreements on urban development and climate change, such as the EU Urban Agenda, the UN Sustainable Development Goals, and the Paris Agreement.

Author:

Richard van der Wulp, Senior Urban Mobility at Municipality of Rotterdam (r.vanderwulp@rotterdam.nl)

Jos Streng, Transport Planner at Municipality of Rotterdam (jma.streng@Rotterdam.nl)

Hae Nyun, Jeong, Official at Busan Metropolitan City (jeonghn@korea.kr)

Yookyung Oh, Country Coordinator of IURC-Korea (yoh@iurc.eu)

Links to related outputs:

<https://www.iurc.eu/2022/12/13/busan-and-rotterdam-consolidate-concrete-partnership-with-a-second-study-visit/>

<https://www.iurc.eu/2022/01/28/busan-rotterdam-mobility-logistics/>

<https://citynet-ap.org/rotterdam-visits-busan-and-sejong-as-the-first->