## **Privately Owned Public Space Implementation Characteristics**

Doctoral dissertation title Urbanistic Criteria for Planning Privately Owned Public Spaces

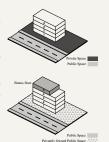
### 1 INTRODUCTION

Accelerated urbanization processes including private investors' pressure for maximum utilization of land impact the quality and quantity of public spaces. The mechanism for raising their share is the procedure of Privately owned public spaces (POPS)

POPS allows investors to expand their building square footage in proportion to the surface designated for public

use. The process is based on local regulations and not integrated into urban plans whereby implementation guidelines focus mainly on a single

Since the POPS method has not been thoroughly examined from an urban planning point of view the broader research looks for the urbanistic criteria that should be integrated into the POPS systematic planning process to improve the urban quality of the wider urban context.



#### 2 RESEARCH QUESTIONS / AIMS

#### **RESEARCH QUESTIONS**

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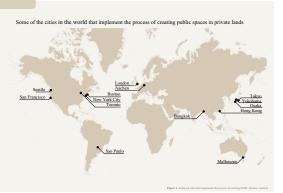
RQ2: What are the common characteristics of POPS distribution

RO3: What are the urban characteristics of areas with the highest density POPS realization?

#### AIMS

A1: To identify the urban characteristics common for highdensity POPS implementation areas

A2: To determine urban factors that contribute to the POPS development in cities



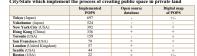
#### **CASE STUDY**











### RESEARCH METHODOLOGY / SOURCES

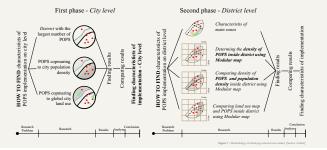
Comparative analysis of 4 cities with the highest number of POPS realisation in the world and with accessible comprehensive POPS open databases: New York, Hong Kong, San Francisco

Two types of urban characteristics analysis: graphic (urbanistic) and

quantitative (statistic spatial data) comparative analysis Analysis criteria - spatial and demographic urban characteristics in relation to city areas with the highest POPS density

Two-level comparative analysis: city level (scale), district level (scale)

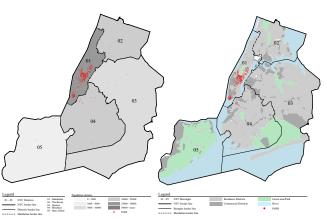
A district-level graphic analysis is based on the **modular network** (1 km x 1 km grid) introduced for POPS share/density quantification in accordance with other



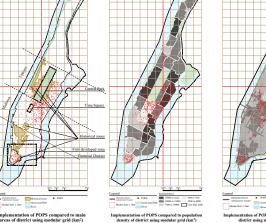


- 1. Digital maps of all implemented POPS available from an open-source city datal 2. Maps of administrative city borders (distric
- 3. Population density maps
- Land use plans;
  Legislation documents;
- ientific research.

## 5a COMPARATIVE ANALYSIS - CITY LEVEL



# 5b COMPARATIVE ANALYSIS - DISTRICT LEVEL







#### RESULTS

From the comparative analysis of four prominent cities, it is concluded that POPS are predominantly situated in urban areas and concentrated in the planned central urban districts (main districts) with recognizable urban identities. Their development is concentrated in the most densely populated - dominantly business and commercial city districts (Downtown). The development of POPS can only be partially linked to the oldest historidistricts.

The densest POPS areas (district part) coincide with high-rise high-density urban morphology and are located in close proximity to landmark iconic (public) buildings that define a neighbourhood's unique identity. Also, POPS are commonly situated adjacent to well-known public spaces, along the waterfronts and by the main

URBAN CHARACTERISTICS INDICATIVE FOR HIGH DENSITY POPS IMPLEMENTATION AREAS													
		New York	Hong	San Francisco	Seattle			Manhattan	Hong Kong Island	Districts 03 & 06			
	What are the characteristics of the POPS densest city districts? In what district are the POPS mostly implemented?		Concordance/matching of urban characteristics with the density of realized POPS				What are the characteristics of parts of a district where the highest density of POPS is realized? Where are the most dens POPS areas located within the district?						
City Level	Central urban district	+	+	+	+		In the areas with dominate high-rise density urban morphology (skyscrapers)	+	+	+	+		
	Recognizable urban identity	+	+	+	+	rict Level	In the vicinity of main (biggest) public square	+	+	+	+		
	Planned city district	+	+	+	+		At the city waterfront - near sea or river	+/-	+	+	+		
	Dominantly Business district (Downtown)	+	+	+	+		By the main city avenue (arterial main road)	+/-	+	+	+/-		
	Dominantly commercial area	+	+	+	+		In the vicinity of significant buildings (landmarks, iconic buildings)	+	+	+/-	+/-		
	Most dense population district of City	+	+	+/-	+	ış.	In the vicinity of main (biggest) park of city	+/-	+/-	-	-		
	Historical (the oldest) district	+/-	+	-	-		In the high population density area	+/-	+/-	-	-		
	Biggest district/region of City	-	+	-	-		In the historical core	+/-	-	-	-		
	Dominantly residential district	+/-	+/-	-	-								
	Most populated district of City	-	-	-	+./-								

#### CONCLUSION

POPS implementation areas confirm that POPS could be associated with the urbanity, centrality, and identity of a city. Identified urban factors that affect the POPS development are contributions to previous research as well as to the implementation practices and will be crucial in the following investigation in determining the urbanistic criteria of POPS incorporation in urban planning.