COMMON ANALYSIS
METRO D LINE

LANDSCAPE AND RECREATION
PUBLIC SPACES
ECONOMY
TRANSPORT
FUNCTIONS
DEMOGRAPHY

LANDSCAPE AND RECREATION

TOPOGRAPHY

AREA WITH SIGNIFICANT VIEW

GREENERY

- SIGNIFICANT FOREST PARK
- FOREST PARK
- PARK
- HOUSING ESTATE GREENERY
- UNUSED AREA
- AGRICULTURAL FIELDS
- WATER COURSES
- – – – – TREELINES
- WALKABLE DISTANCE 300 M

WATER SOURCE

WATER COURSES

100m 200m 500m 1000m

SPORT FIELDS

- TENNIS COURT
- GOLF COURSE
- ATHLETIC STADIUM
- BASEBALL FIELD
- SPECIALIZED SPORT FACILITIES
- NATURAL SWIMMING POOL
- FOOTBALL FIELD

ZONE WITH NO SPORT FACILITIES

100m 200m 500m 1000m

BIKEWAYS

BIKEWAYS

SYNTHESIS MAP

- ◎ AREA WITH SIGNIFICANT VIEW
- SIGNIFICANT FOREST PARK
- FOREST PARK
- PARK
- HOUSING ESTATE GREENERY
- UNUSED AREA
- AGRICULTURAL FIELDS
- WATER COURSES
- WATER COURSES
- ⎯⎯ BIKEWAYS
- ⎯ ⎯ TREELINES
- WALKABLE DISTANCE 300 M

METRO STATIONS

METRO LINE

S

S1: Big recreational parks at site: Modřanská and Krčský Les.

S2: Potential viewpoint thanks to topography conditions.

S3: Possible connection with biggest bikeway attraction along Moldava River.

S4: Existing bikeways in the big parks that can create a connection with the Southern open spaces for recreation from the site (see large scale).

W

W1: Disconnection between the big parks of the site.

W2: Other existing green areas of the site are currently nonfunctional and fragmented.

W3: Big areas lacking walkable accessibility to public green spaces.

W4: The railway at the West creates a barrier for connections to Moldava and the North green spaces.

W5: Agricultural fields separate green patches of the site to the South green ring (see large scale).

W6: Disconnected bikeways at site.

W7: Few and scattered sport facilities for inhabitants.

O

O1: Local demand for quality recreational areas in walkable distances (due to the new metro line), increased by population growth.

O2: Increase of people looking for outdoor activities due to another wave of covid pandemy.

O3: Renovation of green areas thanks to new developments at site.

T

T1: Pressure on green spaces due to rising of land prices.

T2: Drying of water sources in the area because of global warming.

T3: Overheating of public spaces with no greenery in the summer because of global warming.

METRO STATIONS

METRO LINE

LARGE SCALE

Recreational bikeways

R1: green bikeway ring near the metro stations.

R2: green bikeway ring that runs through the green zone at the South of the site.

PUBLIC SPACES

Problem map

Legend

★	W1 "Negative" landmark	●	S4 Centrum - functional, significant	●●●	Roads with high traffic	
○	W2 Node - roundabout / cross-roads	◇	W4 Missing center connection		S6 Historic roads	
⊠	Significant area	◇	W5 Inatractive connection / lack of social surveilance		W9 Negected areas	
★	S1 Landmark	←	Catchment area		Paths	
▲	S2 Viewpoint		Housing- estates		Streets, roads	
●	W3 Centrer - monofunctional	■	W6 Use of public space for parking		Significant streets, roads	
●	W3 Center - monofunctional	|||	S5 Areas with pedestrians		Handling areas	
●	S4 Center - functional, local				Pedestrian space	
●	S4 Center - functional	|||	W7 Areas without pedestrians / missing connectivity		Footpaths	
●	S4 Centrum - functional, significant	∿∿∿	W8 Roads as barriers		Parks	
					Park landscaped areas	
					Buildings	

STRENGTHS

S1 **Landmarks** as orientation points (Hospital Krč, IKEM, Academy of Sciences, Nový Dvůr, SAPA, Church (Kostel Panny Marie Královny míru) Kunratice tvrz

S2 **Viewpoint –** watereservoir

S3 **Significant areas as orientation points–** Hospitals, Academy of Sciences, SAPA

S4 **Centers – functional**
Local:, Hospital Krč, Lidl, SAPA, Písnice – Bikeclinic Cholupice – náves, Městská knihovna Modřany
Locality: Promenáda Štúrova, Albert,
Main: Novodvorská, Poliklinika Modřany, Modřany Kaufland

S5 **Lively areas - pedestrian „zones" –** Promenáda Štůrova, Novodvorská, Libušská – ELTODO, Pšeničkova – k Albertu od sídliště, Pšeničkova – od Alberta ke gymnáziu, Lhotecká – k Lidlu, Gen. Šišky- promenáda, Pertoldova, Písnice

S6 **Historic road as catalysators** genius loci

S7 *Large unbuilt areas in the ownership of Municipality Prague*

S8 *Human scale of public areas – kolonie Tempo, stará Libuš*

WEAKNESSES

W1 **Negative Landmarks** – high rise buildings ELTODO, surpressed classical landmark – Church Panny Marie Matky míru

W2 **Nodes represented by roundabouts and cross-roads** Novodvorská/ Durychova, Novodvorská/Chynovská

W3 **Centres - non-functional** – no squares, monofunctional nature (shoppping, parking, no cultural centres or other amenities); parking and neglected space in front of Nemocnice Krč, missing identity, no real hierarchy

W4 **Segregation of centres**, catchment areas are fragmented (pedestrian zones are not interconnected, cul-de-sac in housing estates, tangencial impermeability)

W5 **Inattractive connection**, insufficient conectivity for pedestrians, **Lack of social surveilance** in housing estates - entrances into buildings have rather big distance; insufficient light at nigt

W6 **Improper use of public space** (parking)

W7 **Missing connectivity** – inatractive connection for pedestrians

W8 **Main roads as bariers,** wide roads serve for traffic rather than for pedestrian, monotonous surrounding, wild greenery, no active partere

W9 **Neglected areas** (wild greenery)

W10 **No concept / „code" of public spaces – no „code"**

OPPORTUNITIES

Traffic restriction due to the metro D
Demand for development / unbuilt areas
Suburbanisation, trends to live close to nature
Trends towards healthy lifestyles, interest in cycling
High demand for housing projects in Prague
Decreasing interest in central locations (pandemic, working from home)
Development of regional centres away from Prague
Development of suburban railways

THREADS

Damage to public areas /natural areas due to the metro construction
Parking of cars in public spaces if P+R have insufficient capacity/are not functional
Uncoordinated / monofunctional development
Unused commercial facilities, office centres etc. if the metro development is not finished
Lack of working opportunities

Space Syntax - integration („to movement")

Global integration

Local integration - R3

ECONOMY

Economic opportunities and threats: mapped over land use patterns

OPPORTUNITY: Potential for value capture, increase in land value for state assets.

See Denmark CPA

THREAT: Private sale leads to unnecessary or poor quality development

Public/state

Private residential

State facilities

Private other

Economic opportunities and threats

Commercial/logistics

Sites of potential development

Medical/research

Opportunity: Develop science/research/logistics clusters to promote economic agglomeration

Threat: Damage to sense of place and landscape issues arising from too much commercial/research building

Metro D
Write a description for your map.

Google Earth

Spatial analysis: functional clusters

TRANSPORT

STRENGTH:
Connection with ringway

STRENGTH:
Linear flow

OPPORTUNITY:
Shorter commuting time to center

OPPORTUNITY:
Decrease need of cars,
solve partially traffic problem

OPPORTUNITY:
Paking center potential area

STREGTH:
Connection with Railway
station

WEAKNESS:
Traffic jams

WEAKNESS:
Only one public transport type

WEAKNESS:
Not connected public transport

THREAT:
High demand to reach metro
by car from suburbs

THREAT:
Lack of parking places after
development

Railway connection node

Public Transport node
Connection of tram-metro-bus

Transfer node
Parkings, connection

FUNCTIONS

Types of Housing

Family Houses   ⬤

Blocks of Flats   ⬤

Apartment Houses ⬤

Education Centers-Cultural Activities

Kindergardens ⦿
400m-600m area

Primary Schools ⦿
800m area

Secondary Schools ⦿

Universities-Faculties ⦿

Library ⦿

Health Centers

Social Service Residential ●
600m area

Social Service Ambulatory ●
600m area

Hospitals ●

Clinics ●
600m area

DEMOGRAPHY

600 dom.
1600 os.

300 dom.
700 os.

3000?

300 dom.
750

100 dom.
280 os.

120 dom.
3000

100 dom. 1750

700 dom.

240 dom.
600 os.

12 500 dr.

1600
2 om.

3000 plu.

280 dom.
700

12 800 dr.

90 dom.
125 os.

1000 zar.
500 dom.

300 dom.
1250

2000 dom.
kauf
5000 dr.

100 dom.
575 dr.

450 dom.
1125

1000 dom.
750

12 500

28 500 dr.

30 16 000 Median

800 dom.

1500 dr

500 800 dr.

500 dom.
1250 dr.

1000 3 prac.

10 000 dr. 7000 dr + prac.

5000 dr.

Population density

▨ low – detached housing

▨ medium/mixed

■ high – housing estates

Work opportunities
1 Thomayer university hospital
2
3 HKoM
4 Eltodo
5 Meteorological station
6
7

VISION: beads on a string
- each station - own identity
- stations interconnected by paths (cycle paths/greenery?)
- new local centre at Nové Dvory

■ strength (current)
□ potential strength - estimate

Size of each bead is relative to the estimated number of people using the station