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### "Social Sustainability and Transit: designs for two neighborhoods in Stockholm"

Patricia Isabel Valbuena Master of Science in Urban Design

**Simon Atkinson** 

The University of Texas at Austin Spring 2014

#### "Social Sustainability and Transit: designs for two neighborhoods in Stockholm"

Patricia Isabel Valbuena Master of Science in Urban Design

Smaller cities are the future metropolis of tomorrow, it is in them that we should plan and improve the quality of life now for the years to come. It is with this in mind that Stockholm, with 2,125,000 inhabitants and 9 different modes of transportation, was selected after an extensive research of over 500 cities around the world. Through their 'Vision 2030: The Walkable City', Stockholm puts their attention into a long-term sustainability with several key projects, which include Hagastaden and Albano. Already in advanced stages, these proposals do not live up to the standard already demonstrated by previous projects in the city in terms of sustainability and quality of life. Their close location to each other, surrounded by three major universities and untouched nature, provides the opportunity to connect back to the landscape through a series of 'green networks' that condition the new urban form. As well, three strategies are implemented: social, transportation and sustainability strategies. The creation of a vibrant neighborhood can be achieved through a strong community with a particular focus in children, safety, mixture of uses, access to sunlight and flexible spaces. Being placed in proximity to at least five different modes of transportation provides the residents and workers the relief of car ownership; strengthened by shared vehicles located in underground parking facilities accessed via public spaces. These social and transportation strategies work together under the 'Hammarby Model' of sustainability that handles water, waste and energy in an efficient closed loop implemented in Hammarby Sjöstad (1999) and Royal Seaport (2011).

#### **ABSTRACT**

#### INDEPENDENT RESEARCH

05 MULTI.MODAL TRANSPORTATION SYSTEMS

#### STOCKHOLM AS A WORLD CLASS CITY

- 06 VISION 2030: THE WALKABLE CITY
- 07 TRANSIT DIVERSITY
- 08 HAGASTADEN AND ALBANO
- 09 URBAN CONTEXT

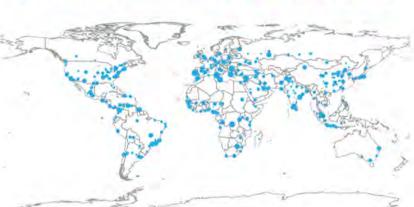
#### PROPOSAL FOR A SUSTAINABLE DISTRICT

- 10 GREEN NETWORK
- 11 SOCIAL STRATEGY
- 12 TRANSIT STRATEGY
- 13 SUSTAINABILITY STRATEGY
- 14 MASTERPLAN
- 15 URBAN LIVING

BRIEF RESUME OF THE AUTHOR

#### (1) RESEARCH - MULTI.MODAL TRANSPORTATION SYSTEMS

city	country	population total	city	country	population total	city	country	population total	al city	country	population total	city	country	population tot	al city	country	population total	city	country	population total
Tokyo	Japan	34,700,000 6	Belo Horizonte	Brazil	5,950,000 2	Caracas	Venezuela	3,575,000 4	Tunis	Tunisia	2,450,000 4	Hiroshima	Japan	1,870,000 1	Sao Luis	Brazil	1,420,000 2	Kigali	Rwanda	1,160,000 1
Guangzhou	China	26,400,000 4	Houston	United States	5,900,000 4	Durban	South Africa	3,575,000 3	Vancouver	Canada	2,450,000 8	Port Harcourt	Nigeria	1,870,000 1	Volgograd	Russia	1,420,000 5	Memphis	United States	1,160,000 2
Jakarta	Indonesia	26,000,000 5	Toronto	Canada	5,900,000 3	Rawalpindi	Pakistan	3,550,000 3	Katowice	Poland	2,425,000 3	Baotou	China	1,860,000 1	Belgrade	Serbia	1,390,000 4	Omsk	Russia	1,160,000 4
Shanghai	China	26,000,000 4	Miami	United States	5,800,000 7	Damascus	Syria	3,475,000 2	Kumasi	Ghana	2,400,000 3	Jilin	China	1,860,000 2	Dnipropetrovs'k	Ukraine	1,390,000 5	Joao Pessoa	Brazil	1,150,000 2
Seoul	South Korea	25,600,000 3	Bandung	Indonesia	5,650,000 3	Kanpur	India	3,450,000 4	Tel Aviv-Yafo	Israel	2,400,000 3	Bursa	Turkey	1,850,000 4	Liverpool	Great Britain	1,390,000 3	Naha	Japan	1,150,000 1
Delhi	India	23,700,000 4	Detroit	United States	5,550,000 3	Curitiba	Brazil	3,425,000 2	Asuncion	Paraguay	2,375,000 2	San Salvador	El Salvador	1,840,000 3	Shiraz	Iran	1,380,000 3	Ahvaz	Iran	1,140,000 0
Mexico City	Mexico	23,600,000 5	Pune	India	5,550,000 2	Rome Ranta Bandana	Italy Danisian Basublia	3,425,000 5	Baku	Azerbaijan	2,375,000 4	Vitoria	Brazil	1,840,000 2	Srinagar	India	1,380,000 1	Bucaramanga	Colombia	1,130,000 2
Marachi	Pakistan	22,300,000 2	Nanjing	China United States	5,500,000 3	Santo Domingo	Dominican Republic	3,425,000 3	St. Louis	United States	2,375,000 3	Canalia	Brazil	1,820,000 2	Manama	Bahrain	1,370,000 1	San Luis Potosi	Mexico	1,130,000 1
Naw York	Philippines United States	21,900,000 5 21,600,000 6	Madeid	Spain	5,400,000 4 5,400,000 4	Aigiers	Algeria	3,400,000 4 3,350,000 3	Manchana	India China	2,350,000 4 2,325,000 3	Montevideo	Guinea	1,800,000 0 1,780,000 4	Shaffield	Brazil Great Britain	1,360,000 2 1,360,000 4	Trivando m	Turkey	1,120,000 2 1,120,000 5
San Paulo	Brazil	21,400,000 4	Khartoum	Sudan	5,200,000 1	Kahul	Afghanistan	3,350,000 1	Harara	Zimbabwe	2,325,000 3	San Insa	Uruguay United States	1,780,000 4	Dennasar	Indonesia	1,350,000 1	Yining	China	1,120,000 1
Mumbai	India	21,200,000 6	Saint Petersburg	Russia	5,150,000 5	Denver	United States	3,300,000 4	San Juan	Puerto Rico	2,275,000 3	Dubai	United States  United Arab Emirates	1,770,000 4	Chelyabinek	Russia	1,340,000 3	Maiduguri	Nigeria	1,110,000 0
Ins Anneles	United States	17,100,000 7	Rannoon	Myanmar	5,100,000 4	Lucknow	India	3,300,000 3	Sanaa	Yemen	2,275,000 1	Doha	Qatar	1,760,000 1	Freelown	Sierra Leone	1,330,000 1	Mandalay	Myanmar	1,110,000 3
Beijing	China	16,900,000 6	Milan	Italy	5,050,000 5	Kunmina	China	3,275,000 3	Anshan	China	2,250,000 3	Peshawar	Pakistan	1,760,000 3	Beirut	Lebanon	1,320,000 3	Florianopolis	Brazil	1,100,000 2
Osaka-Kobe-Kvoto	Japan	16,800,000 4	Guadalaiara	Mexico	4,925,000 3	Medan	Indonesia	3,275,000 3	Antananariyo	Madagascar	2,250,000 2	Quito	Ecuador	1,750,000 5	Buffalo	United States	1,320,000 4	Niamey	Niger	1,100,000 0
Moscow	Russia	16,300,000 6	Alexandria	Egypt	4,850,000 4	Fuzhou	China	3,200,000 2	Belem	Brazil	2,250,000 1	Brazzaville	Congo	1,740,000 2	Panama	Panama	1,320,000 3	Odesa	Ukraine	1,090,000 5
Cairo	Egypt	16,000,000 4	Abidjan	Ivory Coast	4,750,000 4	Amman	Jordan	3,175,000 2	Charlotte	United States	2,250,000 3	Mecca	Saudi Arabia	1,740,000 1	Nashville	United States	1,310,000 2	Quetta	Pakistan	1,090,000 1
Buenos Aires	Argentina	14,500,000 6	Nairobi	Kenya	4,725,000 4	San Diego	United States	3,150,000 4	Goiania	Brazil	2,250,000 1	Mendoza	Argentina	1,738,929 3	Ottawa	Canada	1,310,000 6	Ashgabat	Turkmenistan	1,080,000 3
Bangkok	Thailand	14,300,000 6	Dar Es Salaam	Tanzania	4,700,000 2	Pretoria	South Africa	3,125,000 3	Leeds	Great Britain	2,250,000 4	Hartford	India	1,720,000 3	Sofia	Bulgaria	1,310,000 5	Tegucigalpa	Honduras	1,080,000 1
Tehran	Iran	13,800,000 4	Harbin	China	4,675,000 3	Cleveland	United States	3,075,000 5	Warsaw	Poland	2,250,000 7	Mbuji-Mayı	Congo	1,700,000 0	Calgary	Canada	1,300,000 4	Ula	Russia	1,080,000 4
Istanbul	Turkey	13,600,000 7	Sydney	Australia	4,675,000 6	Minneapolis	United States	2,975,000 4	Kampala	Uganda	2,225,000 4	Almaty	Kazakhstan	1,670,000 4	Harrisburg	United States	1,300,000 3	Khulna	Bangladesh	1,070,000 3
London	Great Britain	13,300,000 9	Monterrey	Mexico	4,575,000 2	Changsha	China	2,950,000 2	Portland	United States	2,225,000 6	Makassar	Indonesia	1,670,000 2	Jacksonville	United States	1,300,000 4	Pekanbaru	Indonesia	1,070,000 4
Lagos	Nigeria	13,000,000 5	Colombo	Sri Lanka	4,550,000 4	Puebla	Mexico	2,950,000 0	Salt Lake City	United States	2,225,000 4	Kaduna	Nigeria	1,660,000 1	Dublin	Ireland	1,290,000 5	Saratov	Russia	1,070,000 0
Rio De Janeiro	Brazil	12,800,000 8	Surabaja	Indonesia	4,500,000 2	Izmir	Turkey	2,900,000 5	Ad Damman	Saudi Arabia	2,200,000 1	Phnom Penh	Cambodia	1,640,000 3	Rosario	Argentina	1,290,000 2	Antalya	Turkey	1,050,000 3
Paris	France	10,600,000 4	Ankara	Turkey	4,450,000 4	Mashhad	Iran	2,900,000 2	Nanning	China	2,150,000 1	Austin	United States	1,630,000 4	Sharjah	United Arab Emirates	1,290,000 0	Merida	Mexico	1,050,000 2
Tianjin	China	10,100,000 5	Hangzhou	China	4,450,000 5	Call	Colombia	2,875,000 3	Stockholm	Sweden	2,125,000 9	Gaza City	Palestinian Territories	1,630,000 0	Tripoli	Libya	1,280,000 1	Nouakchott	Mauritania	1,050,000 1
Kinshasa	Congo	9,800,000 4	Berlin	Germany	4,400,000 7	Dakar	Senegal	2,875,000 0	Munich	Germany	2,100,000 5	Columbus	United States	1,620,000 3	Amritsar	India	1,270,000 3	Oklahoma City	United States	1,050,000 2
Chicago	United States	9,750,000 5	Chittagong	Bangladesh	4,275,000 3	Guatemala	Guatemala	2,850,000 2	Tangshan	China	2,075,000 1	Mogadishu	Somalia	1,620,000 1	Adelaide	Australia	1,260,000 3	Perm'	Russia	1,050,000 3
Lima	Peru	9,600,000 3	Accra	Ghana	4,250,000 3	Ibadan	Nigeria	2,850,000 4	Bhopal	India	2,050,000 4	Palembang	Indonesia	1,620,000 4	Cartagena	Colombia	1,260,000 1	Mombasa	Kenya	1,040,000 5
Bangalore	India	9,500,000 3	Phoenix	United States	4,250,000 3	Rotterdam	Netherlands	2,850,000 5	La Paz	Bolivia	2,050,000 1	Chandigarh	India	1,610,000 2	Davao	Philippines	1,260,000 2	Kirkuk	Iraq	1,030,000 0
Chennai	India	9,500,000 4	Porta Alegre	Brazil	4,225,000 3	Nagpur	India	2,825,000 2	Lusaka	Zambia	2,050,000 1	Lyon	France	1,590,000 5	Managua	Nicaragua	1,260,000 2	Krasnoyarsk	Russia	1,030,000 1
Lanore	Pakistan	9,350,000 3	Barcelona	Spain	4,200,000 6	Birmingham	Great Britain	2,775,000 4	Maputo	Mozambique	2,050,000 3	Qiqihar	China	1,590,000 2	Maceio	Brazil	1,250,000 0	Marrakech	Morocco	1,030,000 1
vvunan	China	9,300,000 2	Brasilia	Brazil	4,150,000 3	Hanoi	Vietnam	2,750,000 4	Pittsburgh	United States	2,050,000 5	Abuja	Nigeria	1,580,000 0	Rostov-on-Don	Russia	1,250,000 3	Aguascalientes	Mexico	1,020,000 1
Bogota Tainai	Colombia	9,200,000 4 8,950,000 4	Casablanca	Australia	4,150,000 6	Cinglegali	Ukraine United States	2,744,419 4 2,725,000 3	Telues	Austria	2,050,000 3 2,025,000 1	Tobsis	Togo	1,580,000 2 1,580,000 3	Edmonton	Benin	1,240,000 2 1,240,000 4	El Paso Mavicali	United States	1,020,000 3
Hydershad	China India	8,500,000 4	Manles	Morocco Italy	4,125,000 5 4,125,000 6	Monchester	Great Britain	2,725,000 3	Pahal	Mexico Morocco	2,000,000 2	Kita Kyuchu	Iran	1,570,000 4	Lille	Canada France	1,240,000 4	Volanzaico	Mexico Chile	1,020,000 1
Inhanneshura	South Africa	8,450,000 5	Napies	China	4,050,000 3	Shijiazhuang	China	2,725,000 3	Studtart	Germany	1,990,000 5	Madurai	Japan	1,570,000 3	Monrovia	Liberia	1,240,000 3	Antwernen	Belgium	1,010,000 3
Manova	Japan	8,450,000 3	Recife	Brazil	4,025,000 2	Unimai	China	2,675,000 3	Ameterdam	Netherlands	1,980,000 6	Marsoilla	France	1,570,000 7	Verevan	Armenia	1,240,000 3	Richmond	United States	1,010,000 2
Ho Chi Minh City	Vietnam	8,050,000 3	Montreal	Canada	4,000,000 5	Guayaguil	Ecuador	2,650,000 2	Brussels	Belgium	1,980,000 5	Sendai	Japan	1,570,000 7	Vogvakarta	Indonesia	1,240,000 3	Vinchuan	China	1,010,000 2
Washington D.C.	United States	8,050,000 4	Cape Town	South Africa	3,950,000 3	Hamburn	Germany	2,650,000 4	Manaus	Brazil	1,980,000 1	Novosibirsk	Russia	1,560,000 2	Dusseldorf	Germany	1,230,000 4	Banqui	Central African Republi	
Philadelphia	United States	7,250,000 4	Tampe	United States	3,950,000 3	Kathmandu	Nepal	2,650,000 0	Sacramento	United States	1,980,000 4	Valencia	Spain	1,560,000 3	Medina	Saudi Arabia	1,230,000 0	Parigo)	Contrai Amoan Nepubl	1,000,000   2
Shenvana	China	7,250,000 4	Seattle	United States	3,925,000 7	Port-au-Prince	Haiti	2,650,000 1	Semarang	Indonesia	1,980,000 4	Luovand	China	1,540,000 0	Queretaro	Mexico	1,220,000 1			
Boston	United States	7,200,000 6	Fortaleza	Brazil	3,900,000 2	Brisbane	Australia	2,625,000 3	Bucharest	Romania	1,960,000 5	Maracay	Venezuela	1,540,000 3	Zurich	Switzerland	1,210,000 6	26E -	tion worl	duvida
San Francisco	United States	7,200,000 8	Kano	Nigeria	3,850,000 2	Bamako	Mali	2,600,000 1	Frankfurt	Germany	1,960,000 6	Milwaukee	United States	1,540,000 4	Cochabamba	Bolivia	1,200,000 1	300 CI	ties worl	awide
Hong Kona	China	7,150,000 5	Kuwait	Kuwait	3,800,000 1	Douala	Cameroon	2,600,000 1	Barranguilla	Colombia	1,950,000 2	Bhubaneshwar	India	1,500,000 3	Port Elizabeth	South Africa	1,200,000 2			
Ahmadabad	India	6,950,000 3	Salvador	Brazil	3,775,000 2	Hefei	China	2,600,000 3	Sen Antonio	United States	1,950,000 5	Cordoba	Argentina	1,500,000 2	Seville	Spain	1,200,000 5		VI TOTO	A TON
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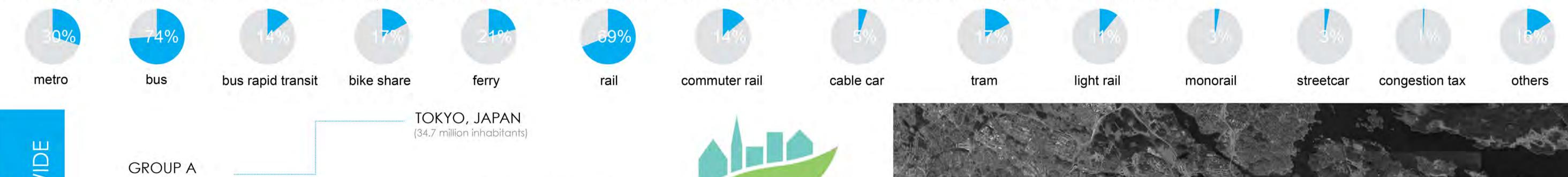
How can people move and access their workplaces and homes if they cannot efficiently transfer from one mode of transporation to another?

2,500,000

2,450,000

2,450,000

Cameroon



EUROPEAN

**GREEN CAPITAL** 

www.europeangreencapital.eu

selected in 2010

1,920,000

1,900,000

1,890,000 1,880,000 3

1,900,000 4



3,675,000

3,600,000

3,600,000

3,600,000

3,600,000 3

6,650,000 5 6,400,000 3

6,350,000 3

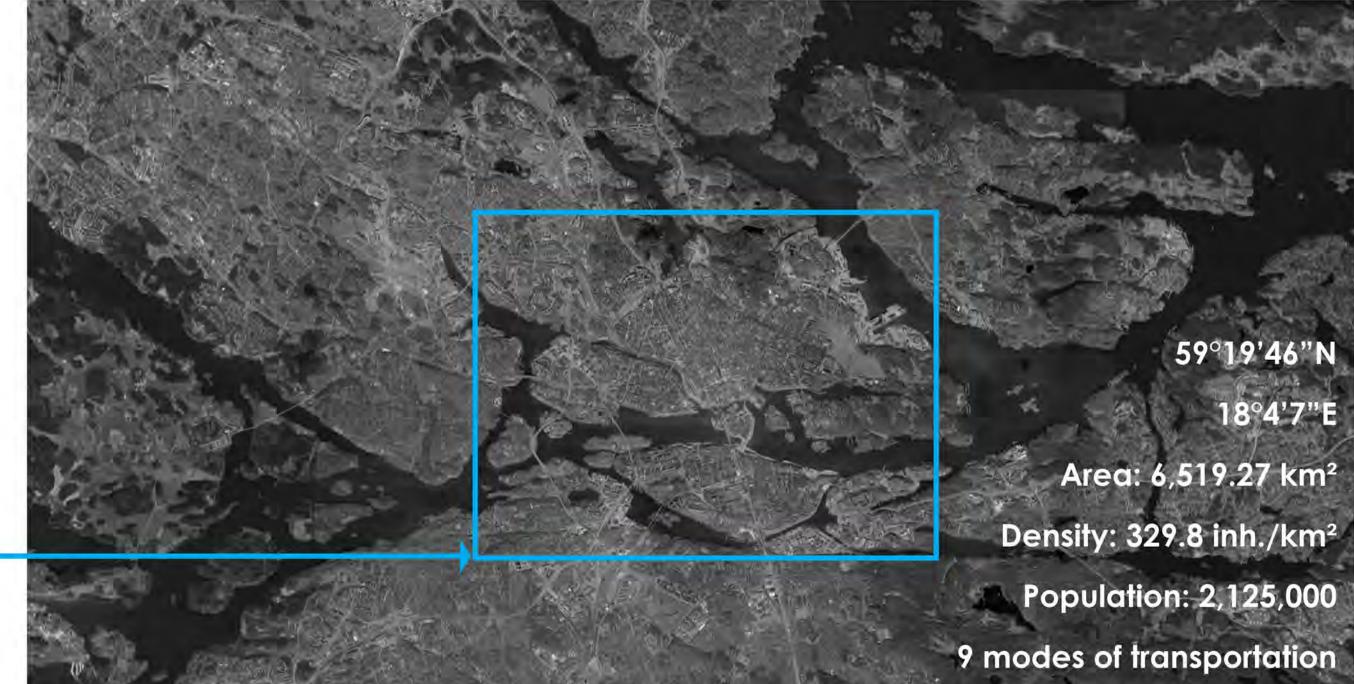
6,350,000 5

6,250,000 5

6,050,000 2

6,050,000 1

**United States** 



Chad

Venezuela

1,180,000 0

1,180,000 6

1,170,000 3

1,170,000 6

1,170,000

1,450,000 4

1,450,000 3

1,440,000 5

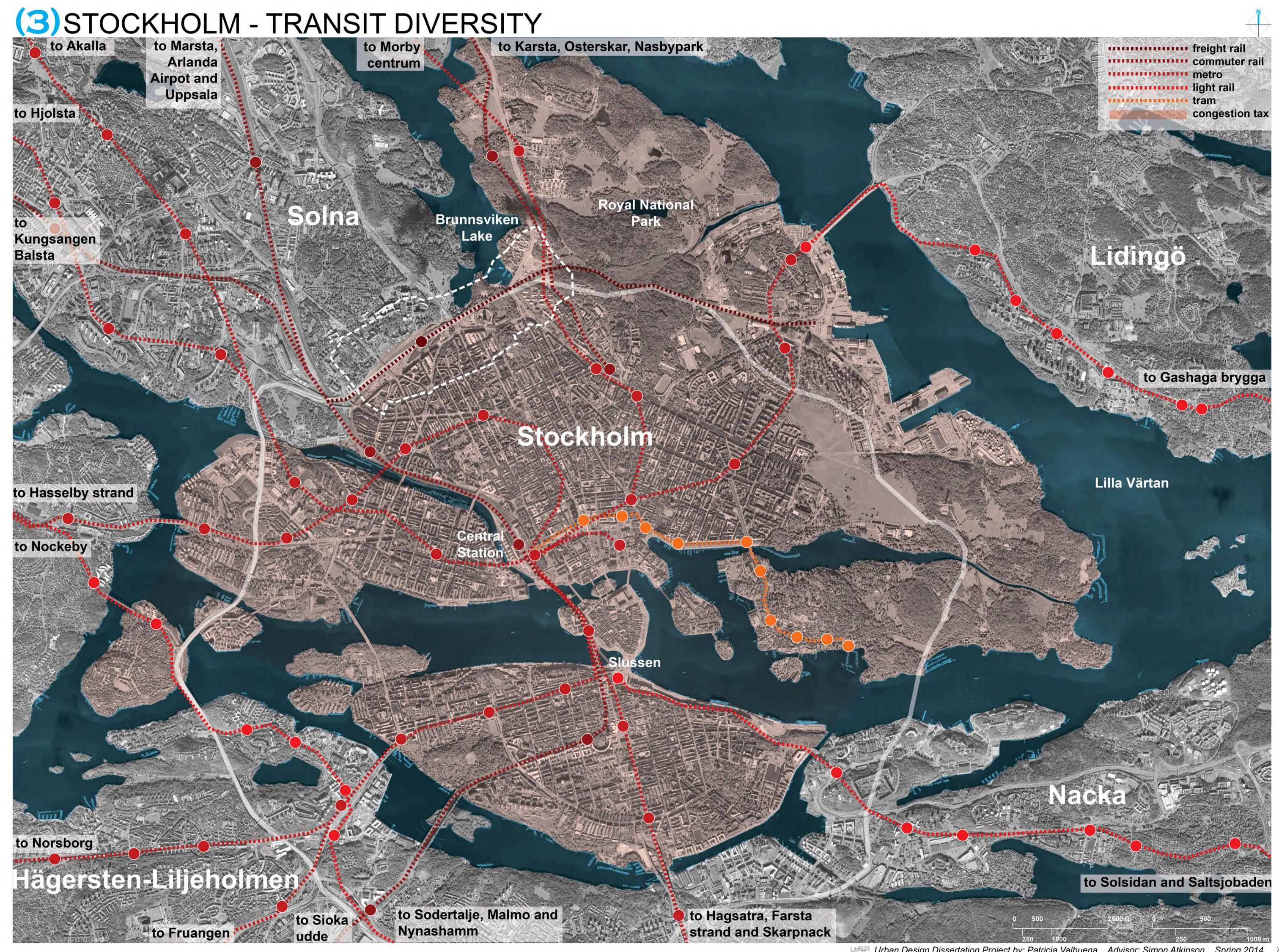
1,420,000 3

1,420,000 6

Great Britain

Czech Republic

#### (2)STOCKHOLM - VISION 2030: THE WALKABLE CITY **ALBANO** Programming work has been initiated to examine appropriate development structures and how important amenities can be developed and preserved. Particular attention is to be paid to Albano's important function as a hub between Stockholm University, KTH and KI. **HAGASTADEN** At Karolinska-Norra Station, a brand new combined housing-and-workplace city district is **ROYAL SEAPORT** being constructed in cooperation with the With new homes and workplaces being built, the Stockholm County Council and the City of Solna. area from Husarviken to Loudden is undergoing When completed, the district will provide the ideal exciting change. The Värtan financial centre, a base for world-class research programmes and modernised port and a new travel centre will be businesses specialising in the Life Sciences. prominent features of the area. NORTH-WEST KUNGSHOLMEN / LINDHAGEN In North-west Kungsholmen, the compact central city sees the addition of 15,000 workplaces, 8,000 new inhabitants and a variety of new shops, cafés and Strandparken restaurants. The Lindhagensgatan street have become attractive new Stockholm zones in this area. HAMMARBY SJOSTAD LILJEHOLMEN-ARSTADAL One of Sweden's largest urban development The current transformation of Liljeholmen Årstadal projects. The focus is on water, and the entire area will take the central zone out across the water has a strong environmental profile. Hammarby southwest of Södermalm. Here, the density and Sjöstad links the central city with the areas around variety of the city centre will be combined with Hammarby Lake and the Municipality of Nacka. recreation and proximity to nature. Eventually, some 30,000 people will live and work Nacka Hägersten-Liljeholmen strategy for a long-term sustainability: Continue to strengthen central Stockholm 🥟 Focus on strategic nodes 🤍 Connect city areas 💌 Create a vibrant urban environment

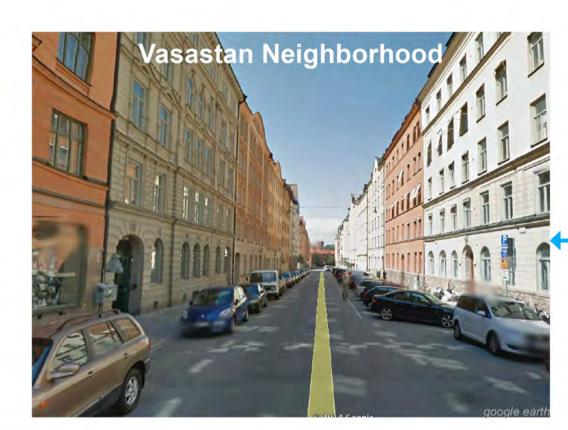


(4) STOCKHOLM - HAGASTADEN AND ALBANO











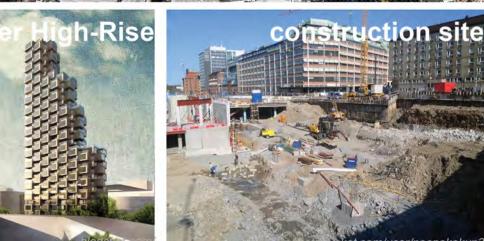












#### Hagastaden

Programming work has been initiated to examine appropriate development structures and how important amenities can be developed and preserved. Particular attention is to be paid to Albano's important function as a hub between Stockholm University, KTH and KI. area: 3,000,000 sq. ft.

Healthcare + Research 3,500 homes

14,000 jobs

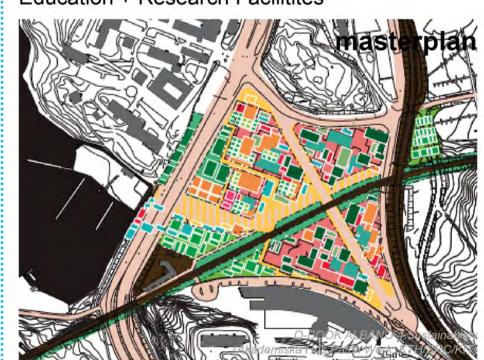




#### Albano

The aims of Stockholm's and Solna's in-depth comprehensive plans are to be achieved. The shared vision is for the new urban district to 'bring together in a unique environment the amenities of the city with world-leading research, entrepreneurship and housing in Europe's most exciting growth region'. The district will be expanded largely by moving roads and rail lines underground.

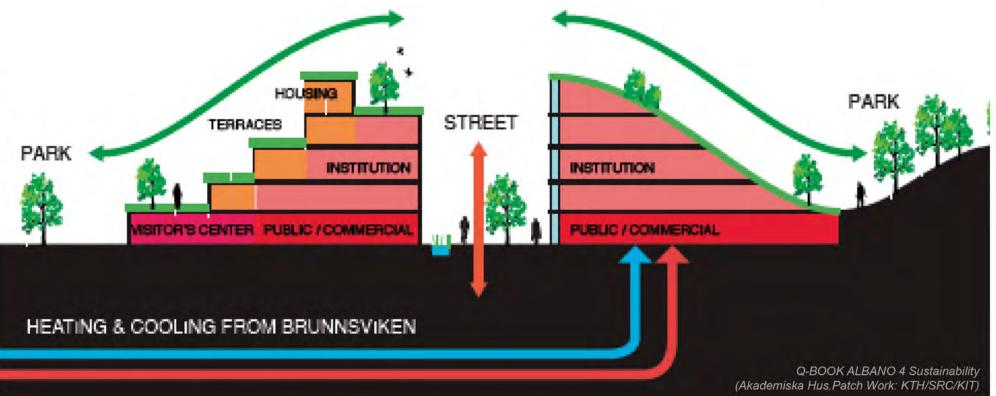
area: 650,000 sq. ft. Education + Research Facilitites

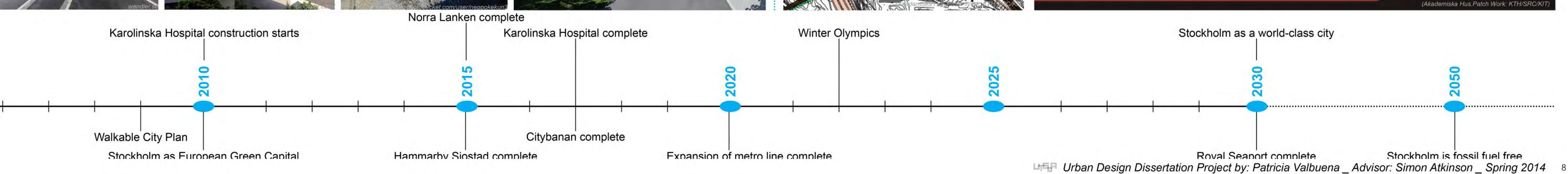


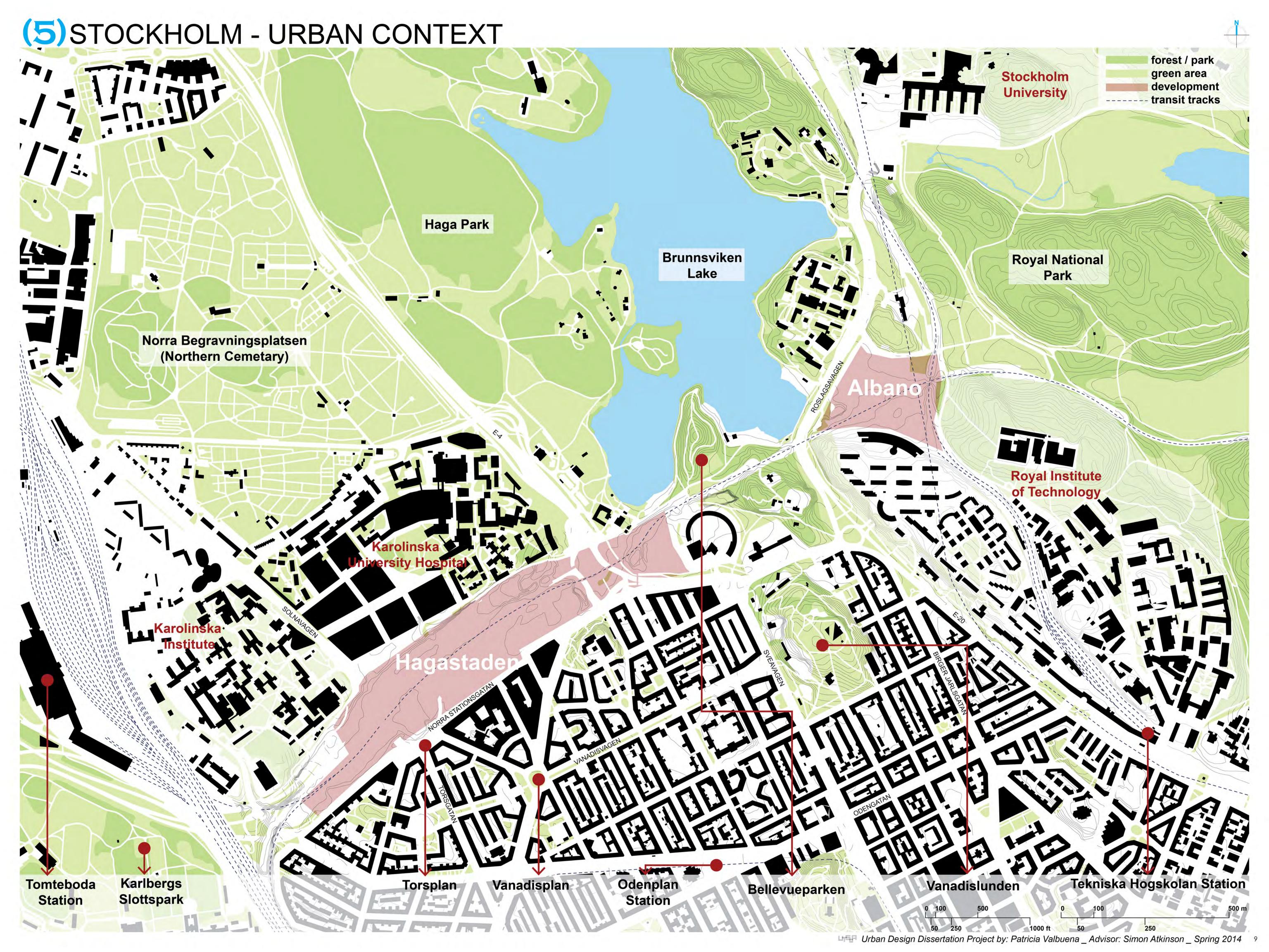




building section











PLINTH bank coffee shop grocery store gallery restaurant cleaners museum bookshop flowershop library main entrance

convenience store

parking entrance kindergarden housing units farmer's market daycare

PLINTH GREEN

community garden plaza pocket park playground

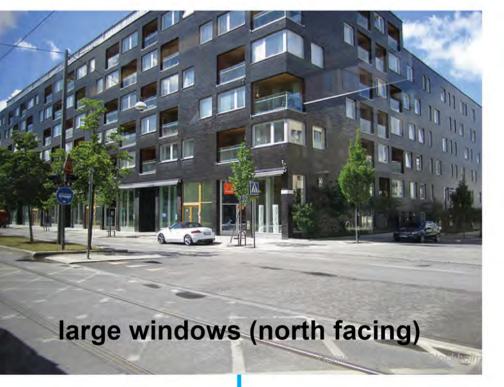


what creates a sense of community?

small sized units transparent facades flexibility in height to allow diversity in uses movable / diversity in seating areas provide affordable prices for ground floor units to promote their usage sense of ownership / privacy through design activity through the seasons





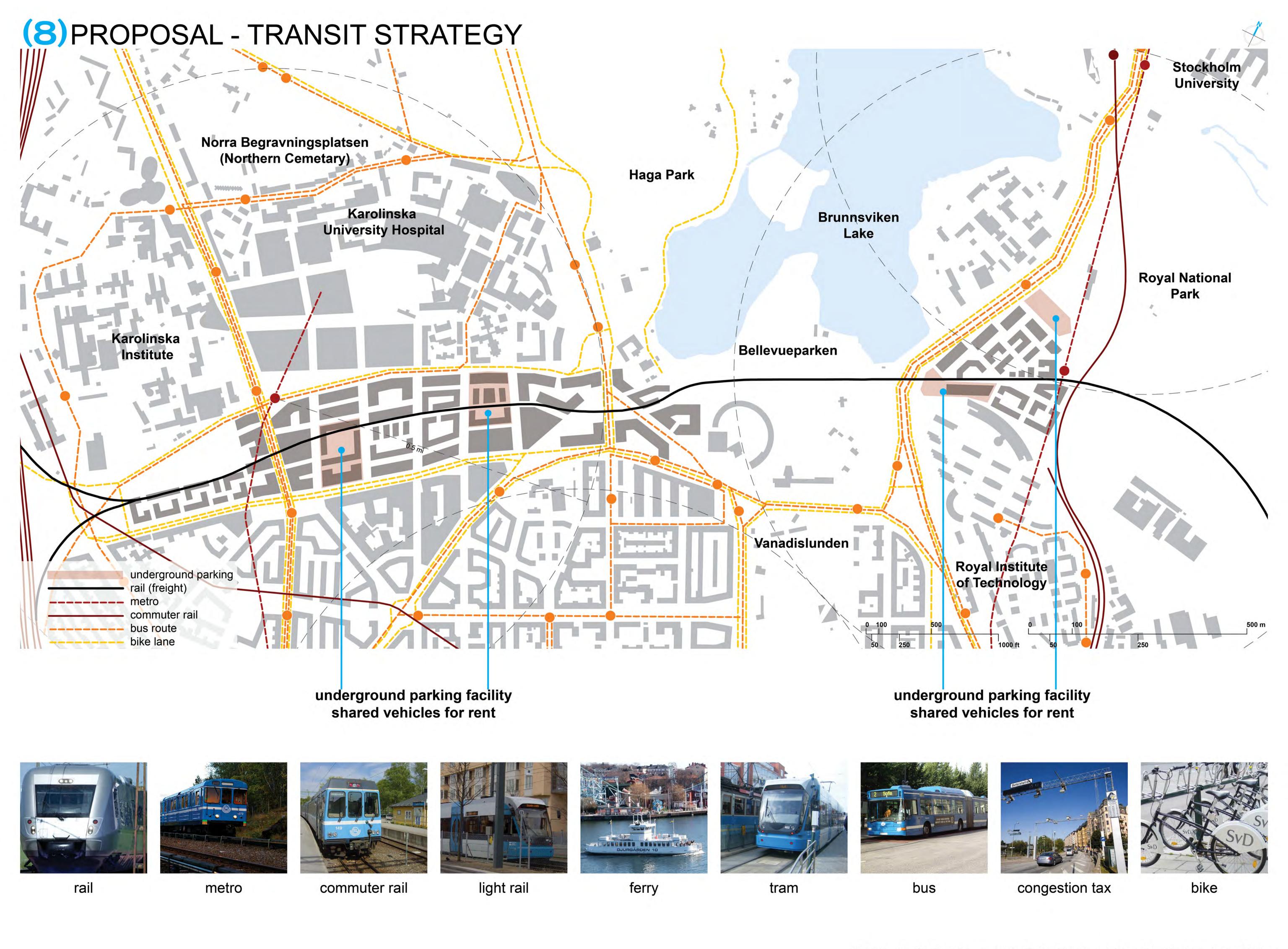




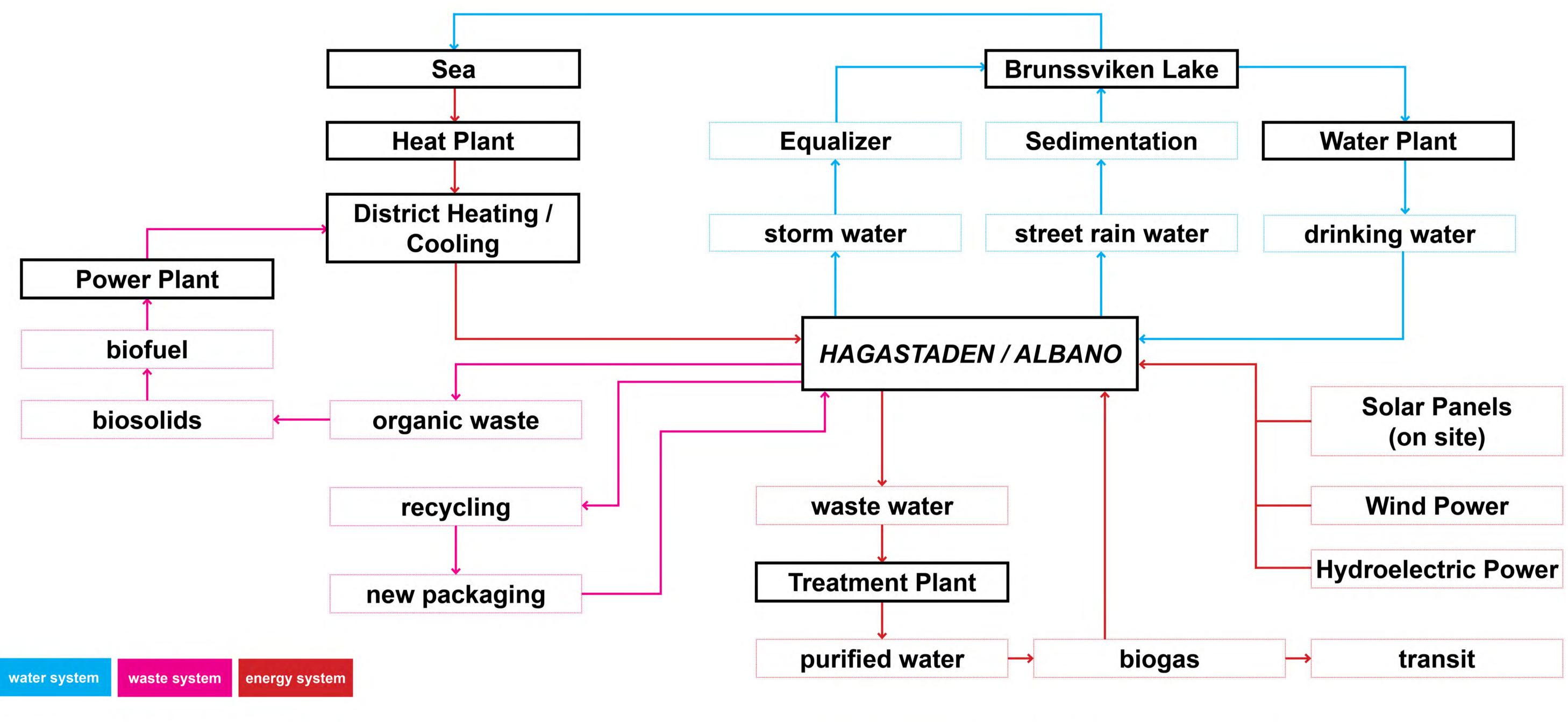
-MAXIMIZE SUN CAPTURE-**CONTACT WITH GROUND LEVEL** 





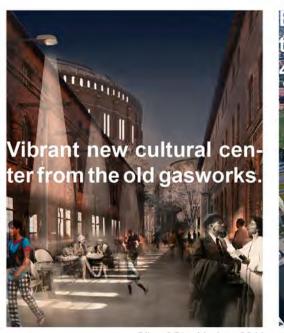


#### (9) PROPOSAL - SUSTAINABILITY STRATEGY



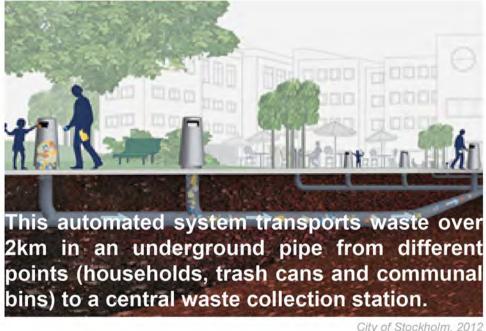














learned from.

Lessons













# (10)PROPOSAL - MASTERPLAN

## (11) PROPOSAL - URBAN LIVING PASSIVE GREEN **PASSIVE**

Number of Housing units (Hagastaden): +380 Number of Housing units (Albano): +50 Number of Housing units (Total): +400 Total Square footage (Hagastaden): 1,685,129.52 Total Square footage (Albano): 255,154.48 Total Square footage (Total): 1,940,284.00

Total Square meters (Hagastaden): 513,759.00 Total Square meters (Albano): 77,791.00 Total Square meters (Total): 591,550.00 Number of inhabitants (Total): +1000 Parking to resident ratio: 1:3

Underground Parking spaces (avg.): +140 Above ground Parking spaces (avg.): +240

#### Patricia Isabel Valbuena (patricia.valbuena@utexas.edu)

#### **EDUCATION**

2014 University of Texas at Austin, Master of Science in Urban Design, GPA 3.65.

2011 Universidad del Zulia, Bachelor of Architecture, Maracaibo, Venezuela. GPA 3.60.

#### **WORK EXPERIENCE**

2013 - 14 University of Texas at Austin, Graduate Research Assistant, 1 year, part-time (Austin, Texas)

Produced transcription of lectures, editing, design layout and publishing of book based on the Latitudes V Conference 2013, under the supervision of Prof. Barbara Hoidn.

2011 - 12 NMD | Nómadas Taller de Arquitectura y Diseño, Asst. Architect, 1 year, full-time (Maracaibo, Venezuela)

Managed staff (interns, assistant architects, consultants and construction crew). Coordinated international relations with piers in Kastav, Caracas and Bogotá. Researched materials and suppliers. Calculated metric areas for selected projects. Responsible for meeting deadlines.

2009 - 11 Universidad del Zulia, Teacher Assistant, 2 years, part-time (Maracaibo, Venezuela)

Assisted in the teaching of the "Facilities and Vertical Circulation" course, which explores the subject, training and design of several topics like stairs, elevators, plumbing, cooling and electrical systems.

2010 MA+ Micucci y Asociados, Intern, 3 months, full-time (Caracas, Venezuela)

Calculated metric areas for selected projects. Participated in architectural competitions. Developed interior details for residential projects. Wrote architectural papers for several projects to be submitted for approval by City Hall. Managed, codesigned and programmed a mixed-use project of 12,000 square meters in a 3-week period.

#### **SKILLS**

Mac/Windows, Adobe Acrobat Pro, Adobe Suite CS6, Corel Draw X3, Microsoft Word, Power Point, Excel, Esri ArcGIS, Autocad 2013, SketchUp Pro 8, 3D Studio MAX, Revit 2014, Archicad 17, Artlantis.

#### LANGUAGES

Spanish (native speaker)

English (fluent speaker + daily professional use)

French (fluent speaker)

#### ORGANIZATIONS, LEADERSHIP, AWARDS

2014 Leader for multi-disciplinary team for the Gerald D. Hines - Urban Design Competition for Nashville, Tennessee.

2014 Finalist for the Texas Energy Research Challenge at the UT Energy Forum, titled "Inter-Modal Transportation Systems: Key component for the creation of a Sustainable Urban District."

2013 - 14 Board member of Women's Transportation Seminar - Student Chapter at University of Texas at Austin.

2013 - 14 Member of Latin American Modern Architecture Research Group at University of Texas at Austin.

2013 Leader for multi-disciplinary team for the Gerald D. Hines - Urban Design Competition for Minneapolis, Minnesota.

2011 Sustainable Award granted for Thesis proposal by ENEA (National Encounter of Architecture Students).

2008 - 10 Member of "Grupo ICAD (Investigación de Computación Aplicada al Diseño)" / ICAD Group (Computer-Aided Design Research Group).

2008 / 2010 Volunteer in the assembly of the 2nd and 3rd Architecture Biennale of Maracaibo.

2008 Honor's Award for Excellency in Grades, Universidad del Zulia, Maracaibo, Venezuela.

2008 Representative of the Universidad del Zulia in the ENEA (National Encounter of Architecture Students).