

Planned

Cities

Institution: Leuphana Digital School
Think Tank — Ideal City of the 21st Century

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team code: #594

co-authors: Jan Hauters, Matteo Bettoni [editing: JH] visuals and diagrams: Asmus Ziegler, Putri Haniman, Balint Halasz. "Palmanova, Italy (REF: IT)" analyzed by asmus ziegler "Karlsruhe, Germany (REF: D)" analyzed by balint halasz "Letchworth, UK (REF: UK)" analyzed by jan hauters

"Barcelona (Eixample), Spain (REF: SP)" analyzed by matteo bettoni

"Brasilia, Brasil (REF: BR)" analyzed by putri haniman

PLEASE NOTE AND IN SUPPORT OF THE PEER TO PEER REVIEWERS:

FIRST AND FOREMOST: THANK YOU FOR YOUR REMARKS AND REVIEWS. THEY WERE ALL, IN THEIR OWN RIGHT, OF USE TO US. HERE BELOW WE TRY TO REPLY AND

- SUPPORT YOUR WISHES AND NEEDS. PLEASE EXCUSE US FOR THE CAPITALS USED HERE. THE INTERFACE HAS A LIMITED AVAILABILITY TO ENABLE US IN DISTINGUISHING THIS TEXT FROM THE ACTUAL ASSIGNMENT'S TEXT.
- YES, WE FOLLOWED THE ASSIGNMENT (AS FAR AS WE UNDERSTOOD IT) BUT PROVIDED EXTRAS FOR THOSE WHO ENJOY MORE FOR THE SAME PRICE.
- FOR THOSE WHO DO NOT WISH TO KNOW THE PROCESS (WHICH OBVIOUSLY IS DESCRIPTIVE) NOR CONTEXT, GO DIRECTLY TO 3.1; AS NOTED, THIS IS THE ASSIGNMENT'S ESSAY. THE ESSAY ALONE IS A BIT MORE THAN 500 WORDS (about one multiple more than the assigned total). IT DESCRIBES Eixample, Barcelona, Spain CONTROLLED BY THE SIGNIFICANT DETAIL Dynamics (such as growth) Affecting In-between Space (SO, "WHAT IS THE POINT?" ONE REVIEWER ASKED: THE SUPERIMPOSITION OF THIS DETAIL ONTO A MAP OF ONE HISTORICAL CITY SUPPORTED BY ONE ESSAY OF 500 WORDS AND PRECEDED BY A COMPARATIVE ANALYSIS OF 5 CITIES; THAT IS THE POINT WE ENJOYED TO FOLLOW AND MAKE.
- FOR THE READER WHO WANTS MORE SUBSTANCE (OR VISUAL DETAIL), IF NECESSARY RESOURCES ARE PROVIDED ONE (OR MORE) OF US IS (ARE) HAPPY TO ACTUALLY IMPROVE THIS SUPERFICIAL AND INTRODUCTORY WORK INTO A DOCTORAL THESIS OR EVEN A BOOK (WHICH, CONSIDERING THE ASSIGNMENT'S CONDITIONS, IT IS SURELY FAR FROM NOW; AND DON'T BE FOOLED, IT IS NOT EVEN TRULY ACADEMIC IN NATURE). THIS POINT IS NOT MEANT IRONICALLY.
- FOR THOSE WHO DO NOT ENJOY TITLES, PLEASE SIMPLY IGNORE THEM. FOR THOSE WHO DO NOT WANT TO READ EVERYTHING WE SUGGEST TO ONLY READ THE TITLES (THEY ARE A POETIC SUMMARY OF THE PARAGRAPHS).
- THE MORE IMPORTANT ACCOMPANYING VISUALS ARE THE LAST THREE; image references: Team #594-2-barcelona maps 02, 03 and 04.
- IF THE TEXT WITHIN THE IN-LINE EXCEL (comparing the 5 cities as required by the
 assignment) IS TOO SMALL FOR YOU, PLEASE USE THE TWO OTHER LINKS WE DID
 PROVIDE (one to FLICKR and one to GOOGLE DRIVE; a "link" is here not only a URL). ALSO,
 THE ZOOM-IN FUNCTION IS AVAILABLE WITHIN MOST SOFTWARE ENVIRONMENTS.
- FOR THOSE WHO REQUESTED MORE REFERENCES: PLEASE FOLLOW THE PROVIDED LINKS FOR THOSE REFERENCES ASSOCIATED WITH THE EXCEL; PLEASE FOLLOW THE LINKS FOR THOSE REFERENCES ASSOCIATED WITH ASSIGNMENT 1 (i.e. the academic references for "in-between" space can for instance be found via jan's first assignment).

 ALTHOUGH A FEW MORE REFERENCES ARE PROVIDED HERE BELOW, NEW MEDIA HAS OFFERED US THE POSSIBILITY TO CREATE INTER-TEXTUALITY AMONGST SEVERAL LINKED LOCATIONS. WE DID NOT PUT ALL OF THOSE REFERENCE LISTINGS IN-LINE BECAUSE IT WOULD RESULT IN AN EVEN MORE TEDIOUS TEXT THAT WOULD SEEM EVEN LONGER.

PLANNED CITIES

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- 1.1 Introduction—Barcelona—Growth Affecting In-between Space.
- 1.2 Historical Framework—A Trans-Polis Analysis of Five Historic Cities.

Part 2

- 2.1 Anachronistic Association?—*Linking One Assignment-One Significant Detail with One Assignment-Two City*.
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- 3.2 Beyond The Essay; Beyond The Plan—An Afterthought
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1.1

INTRODUCTION

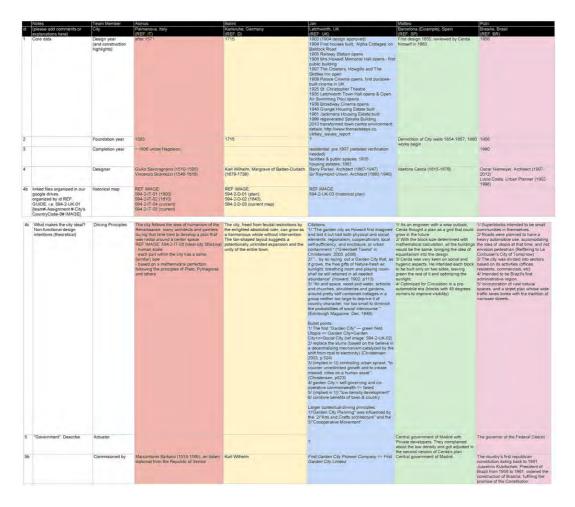
Barcelona - Growth Affecting In-between Space.

This assignment focuses on Barcelona (Eixample), Spain. The co-authors decided to associate this historically planned city with one hybrid of two significant details, namely the manner with which growth has influenced in-between space. Before getting to PART 3, the supporting five-hundred word long essay and its associated visual mapping (provided in PART 2), we decided to share some hints of our process in the short PART 1 here below.

1.2 HISTORICAL FRAMEWORK A Trans-Polis Analysis of Five Historic Cities

The second assignment required of its participants to analyze five (by Leuphana hand-picked) historical/historic city plans/cities:

The conglomerated analysis can be studied in detail via our publicly shared (viewing+non-editing) Google Drive link. In addition we have uploaded the image format of the same excel sheet onto Flickr (within Leuphana's group search for "594") as well as put them here in-line (note: references can be found within the Google Drive version of this Excel file):



	Today	Government structure and inhabitants			"Central to the Company's ethos was a commitment to repatriate all profits back into the Estate."	The government was progressist and this made possible the choice of Cerda Plan against the one design by Rovira I Trias	incorporating high-level government officials, civil society, private sector
		participation			Garden City Association (1889) Garden City Poneet Company (1902) First Garden Cyt Lit (1903) Gritten panticipatory, Board of Trustees. Cetter panticipatory, Board of Trustees. Letchworth Garden Cyt Corporation (1992) First Garden City Lit becomes Letchworth Garden City Lorstage Foundation (Ingel Inadowney) (1907) Letchworth Garden City Intertage Foundation (Ingel Inadowney) (1907) Letchworth Garden City Lettrage Foundation (Ingel Inadowney) (1907) Letchworth Garden City Lettrage Foundation (1994) Letchworth Garden City Lettrage Foundation (1994) Foundation (1994) Garden City Lettrage Foundation (1994) Foundation (1994) Foundation (1994) Foundation (1994)	(more bourgeois and traditional)	and muhilateral actors.
					To 1962, an Act of Parliament transferred the assets, role and responsibilities of First Garden City, Ltd to a public sector organisation. Letchworth Garden City Corporation, 33 years later; a further Act of Parliament wound up the Corporation passing the 506 million Estate to Letchworth Garden City Hertage Foundation."		
6	ha or km2 etc	Size (Planned)	Roughly 13.32 sqm		1903: 1600 hectares (almost 4000 acres) of	747 ha	
7		Size (Today)	13.32 sqm	173 km2	agricultural land 2013: "The Letchworth Garden City Estate	747 ha	5,802 km2
7a		Size (Tomorrow)	13.32 sqm	continous expansion	covers over 5,500 acres *	747 ha (City will surely grow, but this	Will expand in forms of satelite cities
7b	number	Inhabitants	20 000 residents	2000 residents in 1719, 2500 in 1750	7	quartier is saturated)	500,000 inhabitants
7c			5415 residents in 2011	297488	33690	269185 (2009)	over 2,000,000 inhabitants
ď		Inhabitants (Tomorrow) Density (Planned)		constantly growing population up to today	3	?	Predicted to continually grow
8		Density (Planned)	Roughly 1500/sqm	low density, around three quarters of the original plan is reserved for the park of the		Roughly half of the current one in terms of building masses.	Roughly a quarter of today's density
9		Density (Today)	407/sqm	palace 1715/km2		357 to 500 Inhabitants/ha	449/km2
10		Green Ratio (Planned)	green was not part of the plan	high, plan includes the park on the north of the palace	vision) "CPULs stands for Continuous Productive Urban Landscapes. It's a green landscape that you can walk without interruption from one end of the city to the other, and it's productive in terms of environmental, social and economic productivity. Katrin Bohn	In Cerda's vision each block ("manzana" should be have been built for only 500 leaving the rest for green public space. The realized plan, however, pushed the build density up to 70%	Haif of the city was planned to be open green space
11		Green Ratio (Today)	today the citywall is a green belt around the whole city	high green ratio remains due to the park- became part of the city	(Architect, Author CPULe)" The Garden City concept revolves around green spaces, trails, and green belts. maintained (high) (i.e. special "green" 13.6 mile hiking route; the Garden City Greenway.)	See above	These open spaces remain unbuilt
12	at the time of the planning, or relevant events during its history	Historical context	just after the War between the the Republic of Venice and the Ottoman Empire, as a fort against a new invasion of the Ottomans	after the peace of Westphalia (1648) the Holy Roman Empire becomes fragmented into numerous independent states, including Baden-Durlach	1914 World War I: Letchworth welcomes	Early twentieth century emphasized economic growth (after the First World War). The government promoted the	Late twentieth century, there was instation that the capital should be moved from Rio de Janeiro to a place close to the center of the country.
12h	textualor other root of or	theoretical/literary	plans of ideal City from Leon Battista Alberti	the layout of Versailles built by Louis XIV	Belgian refugees Letchworth Architects were influenced by	start of the Spanish Cavil War halted all growth for a decade. Cerdà's "social philosophy" (Cerdà,	1/ Italian saint Don Bosco in 1883
	influence on the design(er)	context/influence	(1404-1472) and Antonic of Detro Aventino (1400-1460). The plan from Avenino (Sforzens) is one of the cease for Palmenorys	might have influenced the plan	period designers such as John Ruskin and John Sulvan Morra such as John Ruskin and Aria and Carda Morrardo Garnate Case was taken. The concept of Garnate Case was taken. The concept part is pread Referring REPRINT (1902) Garden Cales of Tomaga eric 604–21 CMC of Bellamy, E. (1889). Looking Backwards. Howard: Elementer's diagrams were supposedly influenced by James Sike Ausposedly influenced by James Sike Aria Case Si	1844, 1867) focused onhis "umbanistoni desa" in order to conceptualise urbanism he studied conceptualise urbanism he studied up his endings in the overlame, (Corda, 1849). He produced various documents on "scientific" urbanisation, which included statistics about the ovinting class, his 1861 map and the First-Orat Expansion (Span, Memoria del Ante-Proyecto del Ennanche de Barce-Iona)	dream's afunistic only that roughly finded Brasilian Isotation. Many references of Exists, who founded the Sakelaian order, and founded the Sakelaian order, and found floughputs of the Coloration of
	did the city vision / plan / consistency of the con	influences and followers			11 Walt Disney's EPCOT Experimental Processing Community of Tomorrows Processing Community of Tomorrows 31 Heliena Garden City, Germany (1609) 31 Heliena Garden City, Germany (1609) 34 Sevenage, Hertostaine U.K. 54 Millon Keynes, Bucklonghambren, U.K. 54 Millon Keynes, U.K. 55 Millon Keynes, U.K. 56 Millon Keynes, U.K. 56 Millon Keynes, U.K. 57 Millon Keynes, U.K. 57 Millon Keynes, U.K. 58 Millon Keynes, U.K. 59 Millon Keynes, U.K. 59 Millon Keynes, U.K. 59 Millon Keynes, U.K. 50	Haborical studies of lower planning do not show an agreement on the investment of their planning in the investment of their planning in the investment of their planning in th	
13		Geographical context	at the border of Venice and the Olbonan empire, Parlamow was designed to defend Venice after the Italien/Ottoman war	Western area of the city is located near the Rhev alley, the eastern parts belong to the landscape of Kraichgau, on the orthers foothise of Black Forest. Prox.lmfty of French border	communication it is close to the old Great	The valids of ty districtions clearly needed to expand seyonds its gates. Being located on the modernamen sea, the expansion was obviously in the expansion, was obviously in the opposed direction of the beach.	Located in the centre of Brazil, on the Brazilan highlands
14		Economical context	the idea was a self-sustaining city, where craftmans and merchants settle down to support the army withing the fort.		Hertfordshire, 35 miles north of London self-regulating and self-sustaining system on economic and political level. This was rather opposing the larger context of centralized or larger socio-political and economic dynamics of that time.		Governmental rather than an industrial center

15	Social context	Since the city was planned as a military bastion everything was designed according to this purpose. I grand center plaza 2 only 3 feedual streets that are leading into the city. 3, from inside to outside buildings for officers to normal soldiers.	The foundation of the city is linked to the construction of the a new palace by the absolutest monarch Karl Withelm. The city remained a centre of political power, became capital of Baden-Durlach in 1771, gave place to the first parliament building in a german state.	growth of slums, poverty and pollution created in 'regular' industrialized centers. Victorian perceptions in regards to townscribtes. Closing out of nature. Social opportunity isolation of crowds. Places of amusement.	Proliferation of new ideologies embraced by large sections of the population, especially the working class	As the city was designed as the capital city as well as centre for government, it's marked by axial configuration as well as monumental buildings.
		to normal soldiers		Distance from work. High money wages High rents & prices. Chances of employment. Excessive hours. Army of unemployed. Fogs and droughts. Costly drainage. Foul air. Murky sky. Well-fit streets. Slums & gin palaces. Palataid edifices. Victorian perceptions in regards to country.		
				(side). Lack of socety. Beauty of nature. Land lying die Trespassers beware. Wood, meadow, forest. Long hours, low wages. Fresh air. Low rerits. Lack of drainage. Abundance of water. Lack of drainage. Abundance of water. Lack of arusement: Bright sunsing. No public spirit. Need for reform. Crowded dwellings. Delserted villages.		
16	Social Target (description)		Representation of absolutist power of the ruler by creating a layout centered on the palace, with a hierarchical stucture of streets.	REF IMAGE: 594.2-UK-01 1/* a vision of fowns that would take the best of the Victorian rity - good employment prospects, relative wealth for its imbabitants and good communications, and merge it with the health mess of the countryside." 2/*In Howards words. ', a third alternative,	Certa's vision was encouraging equality for the inhabitants, to be persued with equal houses and equal street scale (no bourgeois boulevard)	social equality (super-quadras as public housing for the inhabitants are identical). According to Niemeyer's vision, Brasilia should be built for "free fortunate men without racial or social discrimination".
17	Technology			in which all the advantages of the most energetic and active town life, with all the beauty and delight of the country, may be secured in perfect combination. Human society and the beauty of nature are meant to be enjoyed together."		Super-quadras, low-rise housing blocks, he hoped to produce a non- inerarchical civic life.
18	Achievements Innovation Factors			self-governing green belt	1/Foresight of a private owned, self locomotion system before car invention 2/Set back on top level of the buildings for a better sunlight penetration in the	
19	Transportation system (Planned)		Small scale of the city littled for pedestrian traffic, the radial-circular geometry suggests a straightforward circulation system; though most probably the representational objective was the primary criterion for this layout	pedestrian distances "There's a 13.6 mile path that surrounds the town, named the Garden City Greenway."	streets Basing its scale to a pedestrian friendly system (especially kids and elderlies), it was including space for vehicular circulation, with streets sized according to the planned traffic density (see street sections). Two train line were planned, in	The city was intended to provide east for car users. The scale of arteries and blocks in the city did not envision pedestrians. Original plan was to have a bus station as near as possible to every
Within the city and with the regional context	Transportation system (Today)	The City never really underwent big changes. Since is foundation it remained constaint to see and design. The streets that there is seen in highor change. The streets that there is seen in highor change. The streets that were seen in the street is to all the streets of the street is to all the streets of the streets of the streets transportation system. The military approach of the Renalissance is still apparent today.	Well developed public transport with 7 tram routes and bus network operating 247. 'Staddon's rial system serves the nagioneration, the trams are operating the translates too, being a pioneering solution.	pedestrian distances have seemingly been maintained (further verification might be needed)	the wider streets Can traffic is affecting Cerda's vision heavily. The thoughtfully designed grid cannot accomdate the contemporary needs, therefore noise and traffic are the most problematic issue. Apartments cost varies if windows are facing the streets not. A multi-layered infrastructure system exists today, with bus, metro and trains, making Example one of the most accessible areas within the city.	Brasilia to the satellite cities Buses
20 Anatomy of the city	Standard Building Typologies	Three kery high buildings along the street creating a small contrivation within general succonded by building hypical north tallen north and Remaissance facaldes.	Struktured around the palace, from where 23 sheets are reading out, connected by circular avenues. The layout is influenced by proceeding programmers are stated to the passes of the pa	above)	by the distances between the center lines of the streets and the actual width of these tracks, so that when establishing a	and a street plan whose wide traffic lanes broke with the tradition of narrower streets. Buildings are typically volumetric and scattered along the axis, with empty.
21 (ie public buildings, facilities etc)	Special Buildings	three monumental gates designed by Vincerco Scamozz' (1548-1618) the Sill existing fortress three churches build between 1600 and 1660 Theater 'Gustavo da Modena' (1841)	Karlsruhe Palace Pyramid shaped tomb of Karl Wilhelm Federal constitutional count of Germany. Federal count of Justice of Germany	1/ The Cilosters (an open-air schooling facility) (designed by Cowlidhaw) 2/ The Broadway Cinema (Art Deco) 3// The Spirella Building 4/ The Skittles Inn	with a set back on the attic floors. 1/Special buildings can be accommodated within the gird simply putting together some of the plots. 2/Sagrada familia and many residential buildings designed by the "Modernismo catala" movement are present (Antoni Gaudi, Liulis Domenech (Montainer e. Josep Priig I Cadafalich). 3/Cerda Monghi not just of green spaces.	lawn is surrounded by two eight-lane avenues where many government buildings, monuments and memorials are located.) 2) National Congress Building 3) Palácio da Alvorada (House of the
21a. At least two typical street section	Street Sections	There is only one important street section, where all three man roads meet radially within Palmanova's center	Karl Friedrich Strasse - main axis, Adlerstrasse - typical radial street	most streets were designed as spatious- avenues. home to the UKs first (oundabout; at the junction of the Broadway, Sollershott and Spring Road - originally named "Sollershot Crous"	within the plan. The streets generally have a width of 20, mof which today are central 10 m for road and 5 m on each side for sidewalks. Avenida Diagonal, Calle Aragon are different in size and function as they.	
21a-	Sustainable Aspects		The park of the palace remains extensive green area, the scale of the city center is convenient for pedestrian circulation	green space; pedestrian-sized and communal CPULs = Continuous Productive Urban Landscapes.	werre planned to accommodate railroad tracks and haver traffic The scale is pedestrian friendly, with (today) high access to public transport.	City's big scale creates social and environmental dysfunctions.
				day citizen and goverment initiatives consider sustainability within the Garden City of today and tomorrow (i.e. Hartington Place).		
				http://www.letchworth. com/siteal/default/files/attachments/sustainab for instance. 855 frees were planted over the past 3 years aiding to sustain the perception of "green space". http://www.letchworth. com/sites/default/files/attachments/sustainab		
21b comparing vision with present-day facts	Success (rate)	failure: from the beginning onwards this city failled to obtain its purpose. The city was build to defend the Republic of	Industralization and fast urbanization ended the romantic vision of growing in the planned strict geometrical layout	1/ failure: seen from the fact that Howard's	Success: It's today indeed a special	1/ The cey, initially designed to accommodate government authorities attracted migrants and in order to
		Venice against the Ottorina Empire: I twas designed to house about 20,000 residents. 1 - the Ottorians nieve claims. 2 - nobody water to bir so fish away in the country side, in a fortress. Country side, in a fortress and country side, in	(failure?), but the original structure has been well integrated, the garden of the palace stayed green area in the center, squares on the main axis are functioning as focal points and well working public	2/ success, seen from the fact that Howard's vision in regards to " a permanent girdle of	Facilities and amenties are in the area. High estate visible. Unique feeling and strong dentity. Contemporary traffic can not fit, but this couldn't be planned in 1850.	accommodate them, small villages, were built in the somities of the Pilot Plan. As more and more migrants were attracted by the opportunities of the growing capital, these villages grow and became the Citades. Saleties Caletine Celes of Brassia. 21 intersection of the account of any opportunities, and thus direct cells of Brassia and thus direct cells of Brassia and thus direct cells of the central of and thus direct cells of the central of and thus direct cells of the cells of the public spain. 32 Division of the city wito sectors promote undecessary travel from one part of the city by the others.
A general comment about the city today and how it realates to similar sized environment in the same (or not) area						
Suggestions about how to connect to the "agrificant detail" of assignment 1	Significant detail	One point in my first assignment was the intellection of Linguism within the Sharipha border Bobi chyline where dispined around an oversized Celebra with radial streets and both coles are too far away from the life that wanted to live.	the growth of the planned new town to a mid-sized city could be explored	growth while it also considered spaces in- between certain nexuses of labor and	Putri, Balint) can simply be synthetized as a personal view of the city we are currently living in (Shanghai, Jakarta, Beijing). As a growing metropolises in the	Significant detail from the first assignment was exploring the rapid growth of boda's cities, and development of maga-blocks that overbrailly ignore the evelopment of somehow relates to the plan of Brasilia, where city is formally designed on axis with monumental and netice structures softened on a public and social level of eventually move to the indoors that is inside these monumental super-buildings.
						and no longer on narrow streets.

Key-visual resources (entitled with team code: #594) can be linked to here below (or can be found within the Leuphana Flickr group):

- "Palmanova, Italy (REF: IT)"
 - IT-01 [image reference: 594-2-IT-01-Palmanova1600.jpg]
 - IT-02 [image reference: 594-2-IT-02-____.jpg]

- "Karlsruhe, Germany (REF: D)"
 - D-01 [image reference: 594-2-D-01-Karlsruhe-plan-1715.jpg]
 - D-02 [image reference: 594-2-D-02-Karlsruhe_1843.jpg]
- "Letchworth, UK (REF: UK)"
 - UK-01 [image reference: 594-2-UK-01-3_magnets.jpg]
 - UK-02 [image reference: 594-2-UK-02-Ebenezer Howard's vision of social cities, 1898.jpg]
 - UK-03 [image reference: 594-2-UK-03-letchworth_map_1910.jpg]
- "Barcelona (Eixample), Spain (REF: SP)"
 - SP-01 [image reference: 594-2-SP-01-PlaCerda1859b.jpg]
 - SP-02 [image reference: 594-2-SP-02-Eixample_aire.jpg]
 - SP-03 [image reference: 594-2-SP-03-_____
- "Brasilia, Brasil (REF: BR)"
 - BR-01 [image reference: 594-02-BR-05-BR-4451.jpg]
 - BR-02 [image reference: 594-02-BR-06-Montagem_Brasília.jpg]

[note: the copyright status of the above resources is either in the public domain or has been explicitly designated as useable for non-commercial educational purposes].

PART 2

2 1

ANACHRONISTIC ASSOCIATION?

Linking One Assignment-One Significant Detail with One Assignment-Two City

Based on the assignment's guidelines, on our group analysis, and on our interaction we concluded to handpick one "significant detail" and map it onto one "historic planned city." Here are the five city names again:

- "Palmanova, Italy (REF: IT)" analyzed by asmus ziegler
- "Karlsruhe, Germany (REF: D)" analyzed by balint halasz
- "Letchworth, UK (REF: UK)" analyzed by jan hauters
- "Barcelona (Eixample), Spain (REF: SP)" analyzed by matteo bettoni
- "Brasilia, Brasil (REF: BR)" analyzed by putri haniman

The created and available categories and attributes (as can be found under the above-mentioned PART 1) were enriched by the resources we could dip into from our shared Assignment One. The main keywords derived from our individual significant details were decided to be the following:

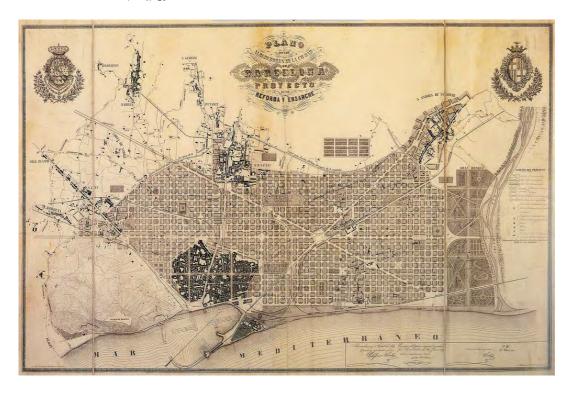
- asmus: city centers & radial street patterns [please find team's 335's entire Assignment One text here]
- putri: growth, mega blocks & in-between space [please find team 334's entireAssignment One text here]
- matteo: growth [please find team 334's entire Assignment One text here]
- ballint: growth (planned vs fact) [please find team 334's entire Assignment One text here]
- jan: in-between space (and its dynamics of territorialization) [please find team 339's entire Assignment One text here]

From these categories and attributes we collectively decided to associate <u>"in-between space</u>

influenced by growth" with the city of Barcelona (Eixample), Spain.

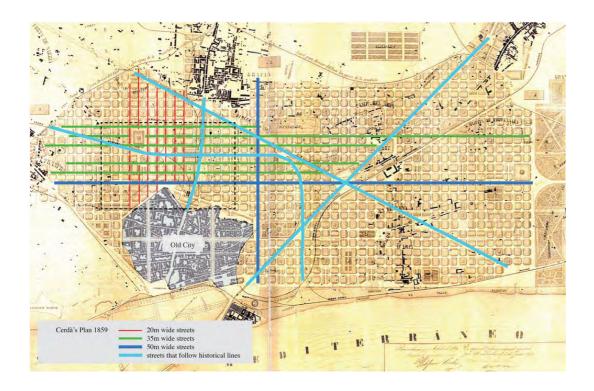
2.2
MAPPING ACROSS TIME
Visualization of The Significant Detail onto The Historic City's Map

For the mapping stage of this assignment we decided to use the following map [image reference: 594-2-SP-00-Eixample.jpg]

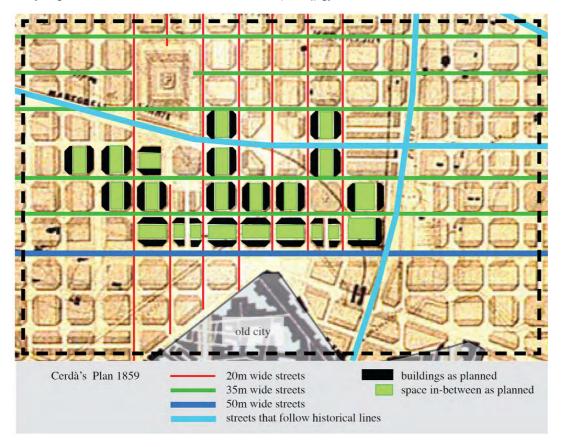


The mapping resulted into the following augmented map(s) found via the following Google Drive links or via Leuphana's Flickr group:

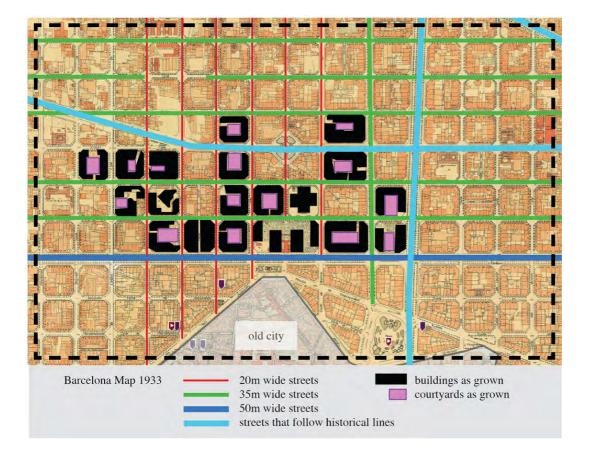
• [image reference: Team #594-2-barcelona-map_01.jpg]



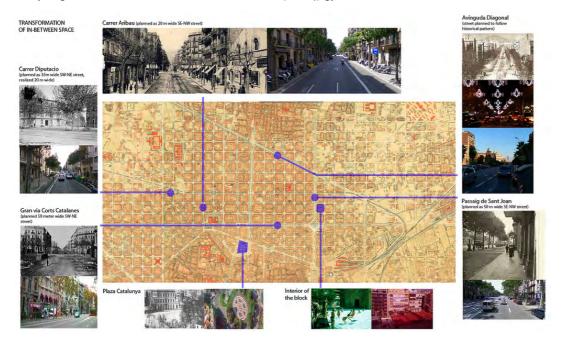
• [image reference: Team #594-2-barcelona-map_02.jpg]



• [image reference: [image reference: Team #594-2-barcelona-map_03.jpg]



• [image reference: Team #594-2-barcelona-map_04.jpg]



3.1 A SUPPORTIVE ESSAY

Content

Introduction

i. "In-between" Space

i.i Blocks & Public Space

i.ii Streets & Public Space

ii. Reversing a Trend: In-between Dynamics as an Urban Catalyst

ii.i Tangible and Present-Day Strategies.

ii.ii Intangible and Near-Future Strategies.

iii. Mapping In-between Spaces

Introduction

In this Essay we shall provide three main elements. Firstly, a short contextualization of the "significant detail:" in-between space (and the potential dynamics influencing in-between space due to such variables as "growth"). This shall be provided in sections 1 and 2.1. These two sections shall showcase a tension or shift over time since planning, execution to present-day iteration. Secondly, identified points of attention shall be visualized within section 3 as augmentations on a provided map of Barcelona's Eixample in Spain. Thirdly, the argumentation surrounding the "significant detail" onto the map shall be identified and briefly discussed. We aim to allude where future growth (or possibly other dynamics as well) from the point of vision and planning could alter such in-between space. That can be found in section 2.2. The goal is to identify and imply potential areas of future attention in planning; perhaps towards an attention beyond a stage of planning.

i. "In-between" Space

i.i. Blocks & Public Space

To increase density—for instance, in light of potential growth in financial returns—the blocks' planned public courtyards were progressively privatized, thereby reducing the public realm to the streets. Buildings were constructed on all fours sides of the block, rather than only two. Instead of 16 metres, the average height went up to over 24 metres. And, all of the planned private and public gardens in the interiors behind the building blocks were deterritorialized by single-storey structures. The result was an extremely densely-built neighbourhood claimed by structures for purposes beyond or besides social/communal/user maximization. [See the table below, comparing Eixample's with Barcelona's density (Fernandez, 2006. p77).]

	Eixample	Barcelona
Population 1996	248.777	1.508.805
Population 2004	260.237	1,578,546
area in km2	7.46	100.95
density (people / km2) 1996	33,348.12	14,946.06
density (people / km2) 2004	34,884.32	15,636.91
Density Growth	5%	5%
Difference vs. average 1996	2.23x	
Difference vs. average 2004	2.23x	

Fig. 83: compares the density between the Eixample and Barcelona, indicating not only the way both have grown but also how the Eixample is 2.23 more dense. Surprisingly, this number has not changed from 1996 to 2004, which also indicates that Barcelona has experienced a population growth.

i.ii Streets & Public Space

Not just the courtyards became denser and more occupied. The street itself, as an in-between space, suffered of the rapid growth and territorialization of an automobile-based society. This dynamic grew far beyond Cerda's intuitions: the chamfered corners of building blocks became parking space, as well as some of the wide sidewalks, affecting the Eixample not only with traffic and noise but also with a shift in (ideal? and intentional) character.

ii. Reversing a Trend: In-between Dynamics as an Urban Catalyst

ii.i Tangible and Present-Day Strategies.

The process of densifying was reversed in 1986 by a new law promoting the recuperation of the courtyards for public space. One could argue this specific legislation instigated the deterritorialization of previously claimed in-between space. Both the public and private sectors were involved in this process and it was decided to create a mixed economy company to act as a catalyst and promoter of the revitalization of the city centre: "ProEixample" was created, with public and private financial backing. This project reasserts Cerdà's agenda for a diverse public realm forming a fluid network through streets and reclaimed courtyards while creating unique localities. The re-introduction of public space in the block's interior transgresses the current dichotomy of the public-private realm and requires a particular attention to the privacy condition of the surrounding programs. It could perhaps be interpreted as a moderating shift away from forces accentuating market (i.e. privatization) and technology (i.e. in-between spaces catered towards motorized vehicles) somewhat back towards a social vision-in-praxis. However, the recovery of the block interiors is not only a benefit to citizens. The value of block interior units are revalued up to 20%. Thus, builders have joined the initiative and are investing in recovering these interiors. The ultimate goal is to create one patio-garden for every nine blocks. But in order to achieve that another 20 inner courtyards must be recovered. It is unlikely that so many will become available in the near future. The patio-gardens contribute only modestly to the increase of public space in the Eixample. From 1.6 m² per resident the number has gone up to 1.7 m².

ii.ii Intangible and Near-Future Strategies.

Space and time in relation to this essay do not truly allow a serious consideration, but ideally the co-authors would have liked to explore the present-day towards near-future conditions of Eixample's in-between space and how new technologies are or could be mapped onto these (i.e. Eixample's in-between spaces maximized by digital signage, new media or augmented reality, Eixample's spaces co-existing as virtual realities, Eixample's in-between spaces enriched or altered due to shifts in forms of community from the tangible into the realm of cyberspace, etc). Questions such as whether the original plan generated unused, empty spaces, and if yes, what happened to these spaces, how are they used today (anomalies in the grid), how could they be used tomorrow? Besides strategies implementing new media one could surely consider other scenarios and mechanisms as well. If technologies were to be considered, what would be the effect on these spaces, how would it affect the citizens, or in general, how did and would major changes in technology (for example usage of hand-held devices) modify functionality?

iii. Mapping In-between Spaces

In this paragraph the above maps and their content shall be summarized. For the mapping stage of this assignment we decided to use the 1859 map of Cerdà's Eixample. As can be seen from the details provided on the edited map we augmented the first [image reference: Team #594-2-barcelona-map_01.jpg] by highlighting the most obvious of in-between spaces; the streets. In Cerdà's design there were 3 widths planned and a fourth set followed the historical lines. The following augmentation [image reference: Team #594-2-barcelona-map_02.jpg] showcasing the blocks and how their associated in-between public spaces were planned. These in-between spaces altered over time; The third illustration visualizes such "growth" [image reference: Team #594-2-barcelona-map_03.jpg]. Finally, in the last image [image reference: Team #594-2-barcelona-map_04.jpg] we contrast past with present in regards to the dynamics influencing these same in-between spaces.

3.2 BEYOND THE ESSAY; BEYOND THE PLAN an afterthought

The transition from territorialization to the reterritorialization of in-between space supported by means of public dynamics (i.e. legislation and most likely its preceding communal pressure of sorts) create questions in regards to the "ideal" of what Eixample was planned to be, was iterated to be and was shifted to become. Who's ideal should a planner and citizen take into consideration, how and to which degrees should various ideals be coexisting or in struggle? By which vantage point or with what priority shall one plan? Who is catered?

A shift—as we found here in the Barcelona case study— that takes the planner's design of in-between space yet again into consideration; revives it or better yet, brings it finally from paper architecture into physical form, is a development towards an ideal. However is this too growth, or rather progress or perhaps reactionism? In the essay such questions were not answered but rather the essay created a platform (at least for its co-authors) to enable critical analysis of past, present and future via a case study and a controlling idea (i.e. Barcelona and the dynamics influencing its in-between space).

3.3

KEY REFERENCES

[STYLESHEET: please follow the style sheet: familyname, first name's intial letter. (publication year). title in italics. publisher's city: publisher's name.]

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