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WITH SPECIAL THANKS TO: Khaled Malas, architect, Damascus / Istanbul Jalal Msadi, MAM Damascus Samer Said, student, University of Damascus All the people we interviewed in Salihiye

### SALIHIYE Hilltown Damascus



INTRODUCTION Damascus



HISTORIC DEVELOPMENT

Historic Development Damascus and Salihiye Focus on Salihiye Historic identities of Salihiye



URBAN STRUCTURE

Urban morphology Urban fabric evolution Housing typology Urban structure



URBAN LAYERS

Layers of Salihiye

Salihiye



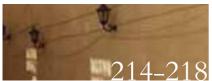
CASE STUDIES

Case study work Salihiye Case study sum up



POTENTIAL PROPOSAL

Urban developpment strategy Experts's opinion Author's statement



**APPENDIX** 

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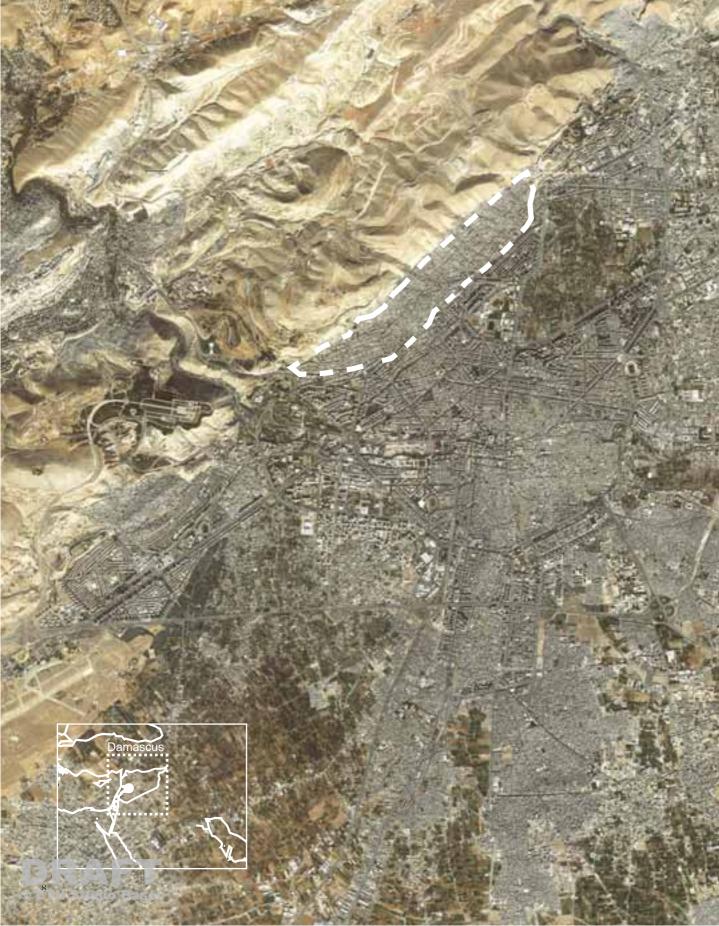




## Introduction

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- 12 Salihiye14 Salihiye, an isle or a whole?

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#### DAMASCUS INTRODUCTION Dama-

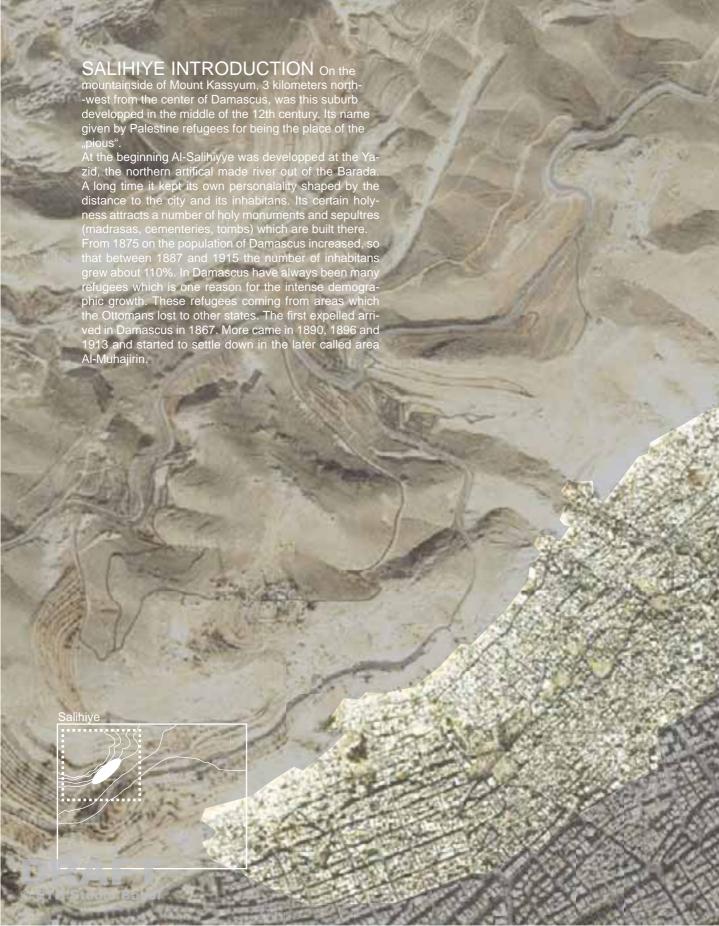
scus is the capital of Syria and one of the oldest continuesly inhabited cities. It is seen as a cultural and religious center in the "Islamic world", not only because of the Umayyad Mosque in the center of its Old City.

GEOGRAPHICAL POSITION Damascus lies in the center of a fertile oasis, the "Ghouta" at 690 meters above sea level. The Barada river, coming from the Antilibanon provides with its seven arms the agriculture land with water. Raising settlement however caused a shrinking of the oasis and in conclusion at lack of drinking water today. In the north west the city is bordered by the Mount Kassyum. In the east the usable land leads abrupt to the Syrian desert. These geographic boundaries have a big impact on the urban development of Damascus and respectively on the region of Salihiye at the bottom of Kassyum mountain.

CLIMATE AND VEGETATION Damascus finds itself in a subtropic climate zone. Due to its geographical position in the east of the mountain range of the Antilibanon it has only a few rain. The raining period goes from October till April. The average temperature is about 16 degrees whereas it is about 24 to 26 degree Celsius in the summer. During winter, from December to February it goes down to 6 to 8 degrees.

The vegetation has been deeply influenced and changed by human beings, so that there is only about 3% oft the woodland in Syria left. Damascus is an oasis city and used to be surrounded by the Ghouta oasis. Increasing settlement and urban extension caused an almost completly disaapearing of the oasis.

POPULATION Syria is an Arabic country. The most important ethnical minority in Syria are the Kurds and the Armenians. In Salihiye we find also others, so that a variety of different neighbourhoods live next to each other. Damascus' population counts about 1.5 million inhabitans and is still raising. In Salihiye there cannot be pointed out an exact number, estimations write about 430,000.



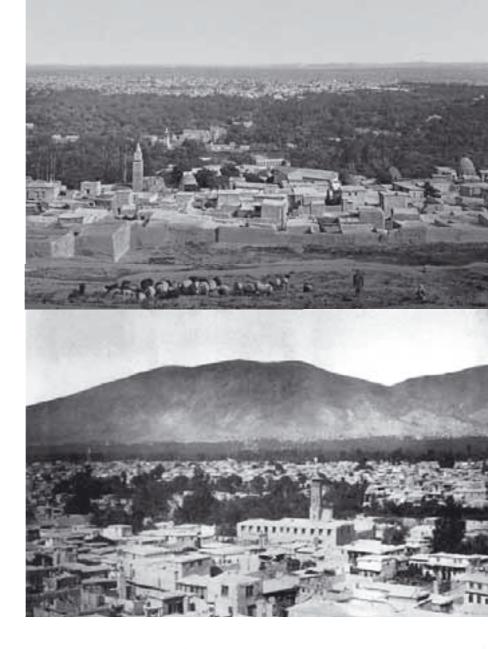






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# HISTORICAL IMAGES 1920

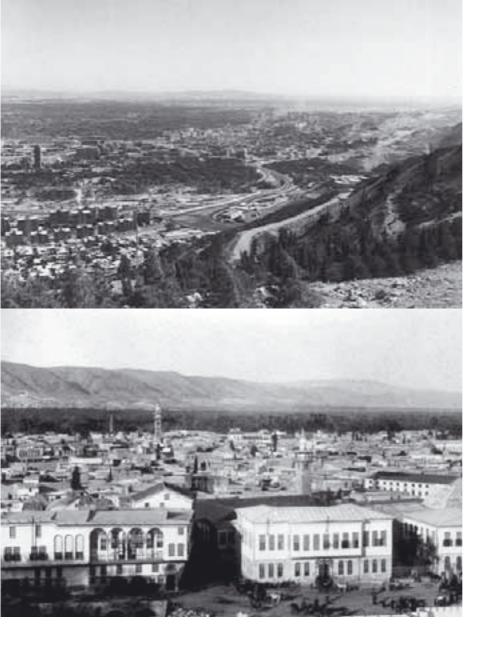


### PICTURES OF MOUNT KASSYUM IN THE EARLY 1920S In

former times, Damascus used to be pervaded with the green arms of the oasis "Ghouta". The Mount Kassyum was just barely settled.

source: Institut Francaise du Proche - Orient IFPO







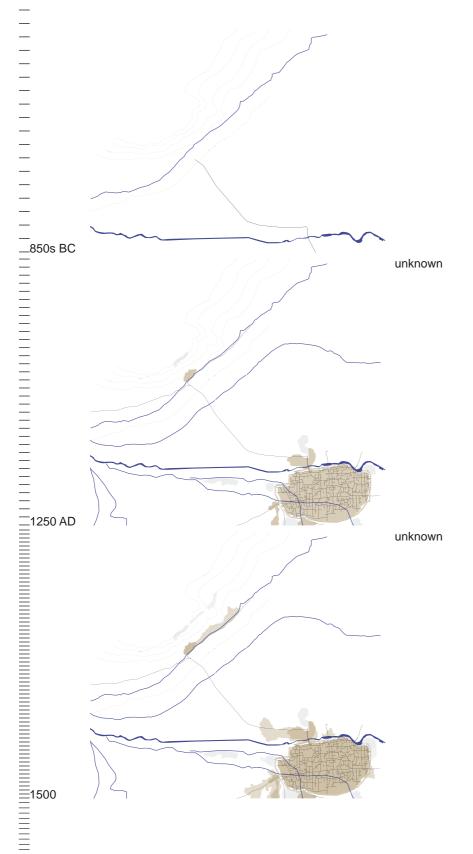
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© ETH Studio Basel

## HISTORIC DEVELOPMENT

Damascus and Salihiye

, , , , , , , , , , , , , , , , , , , ,				
DAMASCUS	ВС	1200 - 856	ВС	MOUNT KASSYUN
BC Old Testemony: founding of Damascus to Zu, one of the sons of Aram (a	1st cen	539 - 333 F 853 the A 5 - 539 Ass	1st cen	Old Testemony: Cain kills Abel on the slopes of Mount Kassyun
legend of the foundation)	1000	539 - 333 Persians 1200 - 853 the Aramaeans 856 - 539 Assyrians and	1200- 853	construction of the Tora Canal used for irrigation
Damascus becomes chief town and religious center of	381	<u>~</u>		
Lebanese Phoenecia	AD	ν <sub>64</sub> ω	AD	
the Romans conquer and establish a intra muros implementing Jupiter Temple	64	395 - 635 Byzanthine rule 333 - 64 Alexander the Great Newbabylons 64 BC - 395 AC		
the cella of the Temple of Jupiter is transformed into	391	zanthi er the 64 BC -	арр. 391	the slope of Mount Kassyun hosts religious communities (most famous Murran, Saman, etc.)
a CATHEDRAL dedicated to St. John the	661	iine rule Great - 395 AC	395- 635	AD establishment of two Christian monasteries on the slopes of Kassyun
remodelling of the Um- ayyad Mosque under	705	750 - 968 <i>f</i> 635 -661 I Romans	680- 683	construction of the Yazid Canal used for irrigation and water supply for the palaces of the arab leader erected here (Umayyad Calif, Yazid I.)
the reign of Caliph al-Walid I.	750	968 Abbasids -661 Islamic victo Ians 661 - 751		
loss of being the capital decline, end of the reign of Umayyad Califs	700	50 - 968 Abbasids 1146 - 117 635 -661 Islamic victory over Syria Romans 661 - 750 Umayyads	831	construction of a caliphal palace at Dayr Murran (Christian monastery) SALIHIYE
		117 ds	12th (6th)	foundation of the quarter of as-Salihiye by Banu Qudama a pius Muslim family Palestine refugees from the crusades
conquest of Nur ad-Din over the city (known as the	1186	4 reign of <b>N</b> 969 - 1124 1099 - 12	1202/3 (599)	construction of Friday Mosque Gami al Muzaffari / Hanbila (first Great Mosque to be built in the vicinity of Damascus city)
era of Islam resurgent) NOU- rished Damascus as his spiritual and stra-		Vur a Fatir 299 Cr	1248 (664)	Maristan al-Qaimeri evolves to being the new urban center
tegic base and profoundly influenced its religious life		ur ad-Diin 1 Fatimids and 99 Crusades	1260 (658)	Mongol invasions
reign of Al Mu'azzam `lsa a	1218	n 11 anc es	1300 (699)	Mongol invasions
period of flourishing const- ruction	-1228	174 -12 <b>J Selc</b> 1260	1400 (803)	Mongol invasions
reign of Al-Ashraf	1229 -1238	60 Ay Jjuks 3 - 1510	1518	acretical of a coord Eridov Moodus
Mongol invasions under Timur Lenk	1260	lur ad-Diin 1174 -1280 Ayyubids Fatimids and Seldjuks 99 Crusades 1280 - 1516 Maml	(924)	construction of a second <b>Friday Mosque</b> near the tomb of the venerated sufi Muhyi d-Din lbn al Arabi

Population rates Damascus unknown



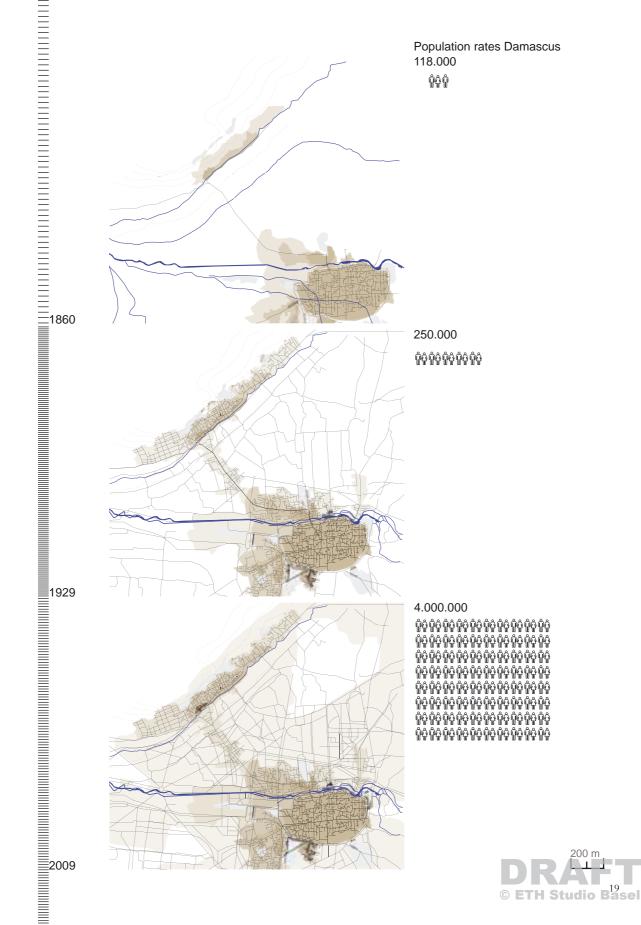


### HISTORIC DEVELOPMENT

Damascus and Salihiye

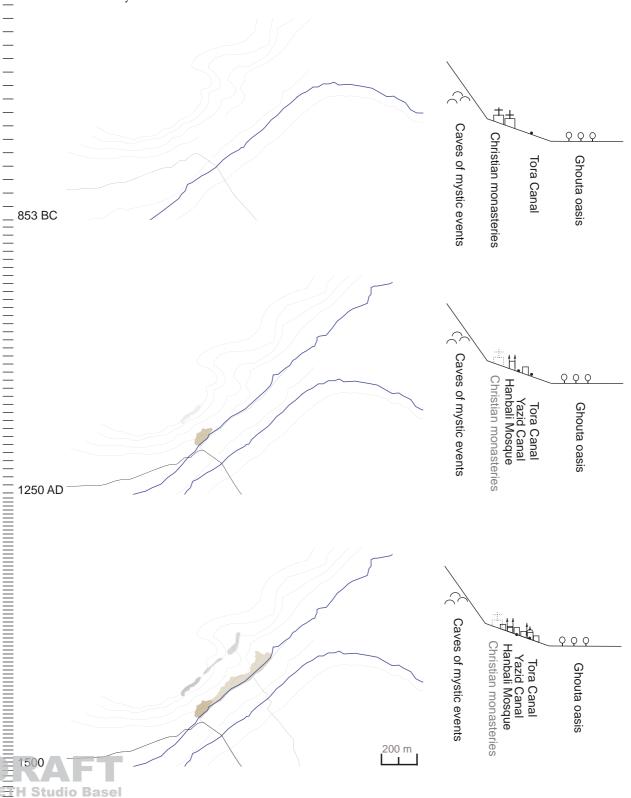
DAMASCUS		1260 - 1516		SALIHIYE
rule of Sultan Selim I.	1470 -1520	1516 M - 1918 (	1470- 1520	establishing of a Khanaqua and Hospice (known as the soup kitchen) Takiya as-Salimiya
		(S ans 1946 Fre	1470 - 1520	enlargement of the pilgrimage site of tomb of ibn Arabi and construction of the Mosque Shaykh Mohieddin ibn Arabi
Extra-mural routes were upgraded	1635 -1675	nch	1675	the route to Salihiye was paved
starting of on a <b>strategic</b>	1832	amluks Ottomans 1946 French Mandate	appr. 1800	Salihiye is no longer been refered to as administrative nor urbanistically independet but being more and more suburbanized to Damascus
and systematic city enlargement for Dama- scus started		ependar	appr. 1800	establishment of the quarter of Harat/ al-Akrad by the Kurds
reign of Nazim Paza		1984 attempt of coup d'etat Independance of Syria .e	1840	first phase of city enlargement during the late Ottoman Empire, housing fabric ari- ses north and west of the old city and on the mountainside of Kassyum
German Emperor (Wilhelm II.) visits Damascus	1898	pt of cou	1898	contruction of the quarter of Muhajrin built
Damascus gets <b>elec- tricity</b>	1907	lp d'etat 11.07.2000 Bashar al	1908	for Muslim refugees from Crete (arch.Husain Nazim Pasa) A <b>tram line</b> starts to connect Salihiye, Damascus and Midan, including the settlement of the green zone between the Old City and Mount Kassyun
French Mandate: Damas- cus becomes capital	1920	_	1910	settlement starts to move up Salihiye Street
Eccochard and Banshouya Master-planning	1968	Azad (son of Hazad al Asar)	1960	beginning of ,informal settlement' on the upper mountain region
Damascus remains capital (centralised)	1946	<sup>f</sup> Hazad	1975	the Governate expropriates the area of upper Mount Kassyum and evolves a
Damascus remains capital (centralised policy)	1946	al Asar)		upper Mount Kassyum and evolves a rapid settlement phenomena

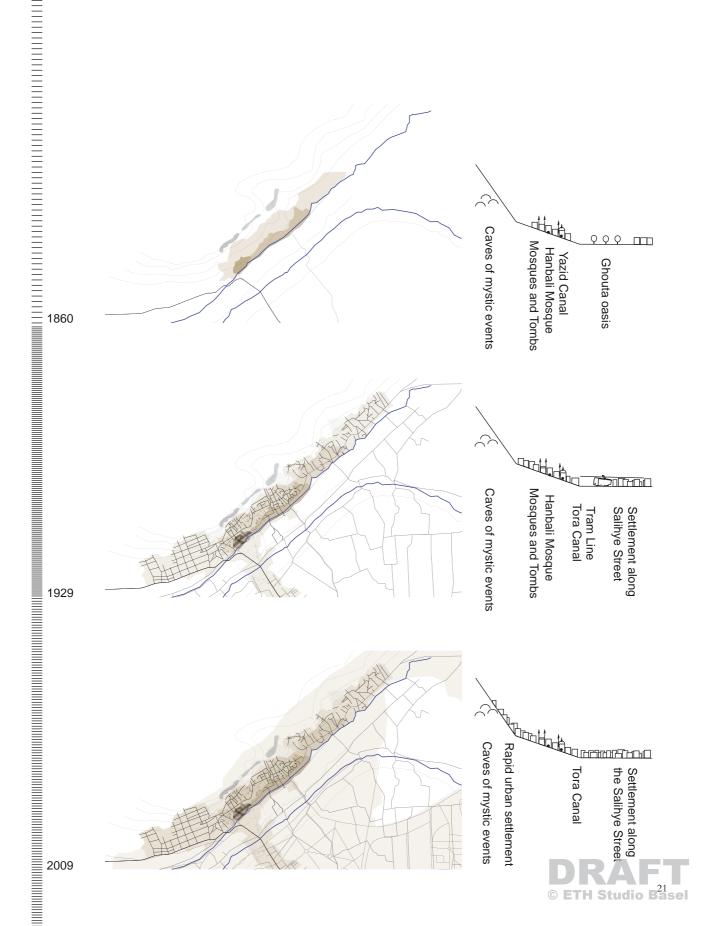




### HISTORIC DEVELOPMENT

Focus on Salihiye





# THE BIBLICAL MYTH

# THE HOLY MOUNTAIN

Mount Kassyun has a sacred character because God is said to have spoken to it:

8Cain said to his brother Abel, "Let's go out to the field."[39] And while they were in the field, Cain attacked his brother Abel and killed him.

– Genesis 4:1-8 (HCSB)

There existed formerly on the slopes of Kassyun two famous Christian monasteries, Dayr Murran and Dayr Sam c an. The location of Deir Murran, a Byzanthine monastery complex which was a favourite resort of the Umayyad court and where the Caliph al-Walid died, is not firmly established. In 831 a splendid caliphal residence was built by al-Ma'amun at Deir Murran on the lower slopes of Mount Kassyun.

source: Bible, El2, Ross Burns image: Titian - Cain and Abel (ca.1570 - 1576, Italy)



### CAVES OF MYS-TIC EVENTS

## SITE OF THE PROPHETS

Scattered throughout the Mount Kassyun one can find caves and grottoes of which some are part of ancient myths and traditions.

Three of them, Musallat al-Khidr. Magharat al-Djaw c and Magharat al-Dam, which marks the place where the blood of IJabll (Cave of Blood) was shed and where people used to come and pray for rain, today constitute a modern oratory known by the name of Kubbat al-Arba. In memory of fourty prophets - seventy according to certain traditions — who died of hunger there(Cave of Hunger); a legend speaks of Yahya b. Zakariyya having allegedly stayed there forty years with his mother. Slightly to the south-west of this oratory, is situated the Grotto of Adam, also called Kahf Djibrll or al-Kahf, an oratory dedicated to the Asfcab al-Kahf, the Seven Sleepers of Sura XVIII.

The Cave of Blood and the Cave of Hunger presumed to be the site of ancient events cited in the holy books.





# HISTORIC WATER INFRASTRUCTURE

## PROVISIONING WATER

No group seems to have had the capacity to construct such sophisticated irrigation works until the arrival of the Aramaens. The Tora Canal supplied the northern flood plain of the Barada thus allowing intensive irrigation all year round.

The major modification of the canal system bears the name of Caliph Yazid I. (r.680-3). It still supplies the upper reaches of the slopes below Salihiye, running two metres higher than the original Aramaean canal, the Tora, to reach the agricultural land as far as Harasta to the east. Originally it may have also been intended to supply the palaces the Arab leaders constructed on the lower slopes of Kassyun.

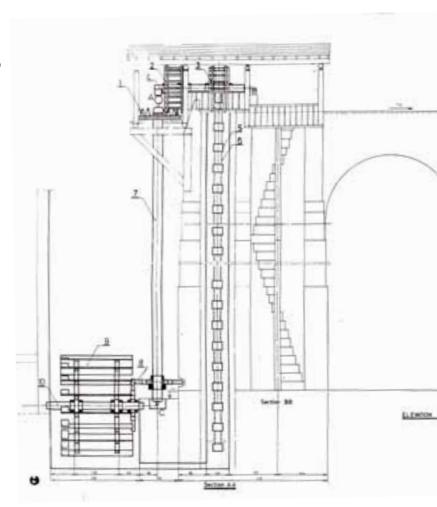
In Mamluk time, one of the most welcome aspects of Damascus to the visitor was its liberal provisioning in water, still drawing on the system installed by the Romans twelve centuries before. Water seemed to flow at every turn, through canals, water wheels and mills on the outskirts, streams around and under the city. The Fega water line was part of the infrastructural renewal under the rule of the Ottoman. After the water qualitiy had become worse after the additional implentation of sewerage. Husain Nazim Pasha decided to let the water of the Fega dwell being caught and led to a big water tank. In 1906 the construction was completed.

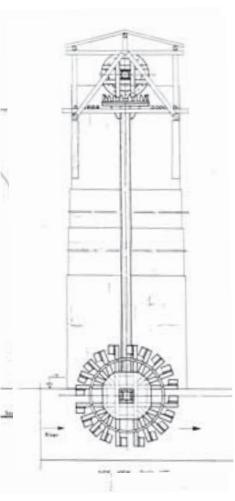
source: Stefan Weber, Ross Burns,

plans: Hanin Munif map: own design

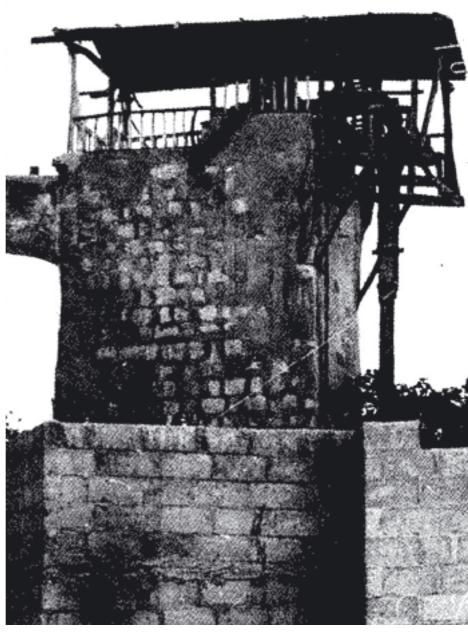
images: Al-Jazir Mill, Michael Meinecke













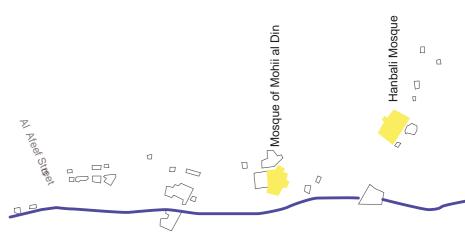
## HISTORIC MOSQUES

#### NEW SETTLEMENT

began with the Banu Qudama, a pius Muslim family who had fled the Nablus area of Palestine in 1156 and developed a Hanbali community initially congregated around the Mosque of Abu Salih, a 942 building located outside Bab Sharqi. Under the leadership of Sheikh Ahmad al-Qudama and his son, Abu ,Umar, the largely Palestinian community took with them the ,al-Salihiye' (arab. "the pious" label when in 1161-2 they were encouraged by Nur al-Din to establish their khangah at an existing Hanbali monastery on the Kassyun slopes. Under Al Ma'azzam `Isa (1218 - 1228) the Hanbali Mosque was compeleted, though funding provided by the brother in law of Saladin, Prince Kreukburi, had been largely instrumental in the project's completion. The Hanbali's Mosque stands on a peaceful Side street of al-Salihiye ist courtyard marked by six crusaders columns.

The construction of a Friday Mosque the first to be built in the vicinity of the city of Damascus (where until then Friday prayers were celebrated exclusively in the Umayyad Mosque) indicates that Salihiye within a half century already gained some urban characteristics.

Most important Mosques Gami al Muzaffari / Hanabila (Friday Mosque) 1202 - 03 / 599 Gami al-Afram 1909 - 10 / 1327 Gami c al - Gadid 1388 / 790 Shaykh Mohieddin ibn Arabi 1518 (924)



expansion in Ayyubid period







#### TOMBS AND MAUSOLEA

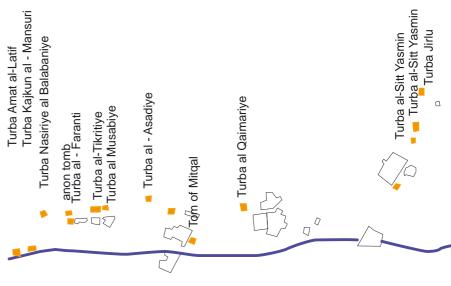
### **BURIAL OF THE FAMOUS**

Damascus's growth in stature as an Islamic religious centre attracted scholars and mystics from as far away as Muslim Andalusia (Spain). The famed Sufi, Mohi al-Din ibn The famed Sufi, Mohi al-Din ibn 'Arabi. His role was to bring fame to the city for centuries as a centre for Sufi mysticism.

Arabi's sojourn also rebuilt the con-

nection with the Iberian Peninsula that had started with the initial transplanting of the Umayyads after 750. Ibn 'Arabi had settled in Damascus in 1223, probably because his unorthodox teachings found protection with the Ayyubid ruling family. His circle of followers grew in the 17 years before his death. His burial, on the slopes of Salihiye was initially arranged in the family turba of the gadi of Damascus. In later centu- expansion in Ayyubid period ries, however, his memory grew in the imagination of those inclined to mysticism and the first Ottoman years were to see a major embellishment of his burial place which until today serves as an important centre of pilgrimage.

Most important mausolea Mausoleum of Amat al-Latif (middle of 7th/ 13th century) Uurba al-Hafiziya 648 / 1250 Turba Aitqal al-Gamdar 621/1224 Mausoleum of Al-adil Kitbuga (Mamluk sultan) 702/1303 Tomb of the very Muhyid din Ibn al-Arabi (famous sufi philospher)

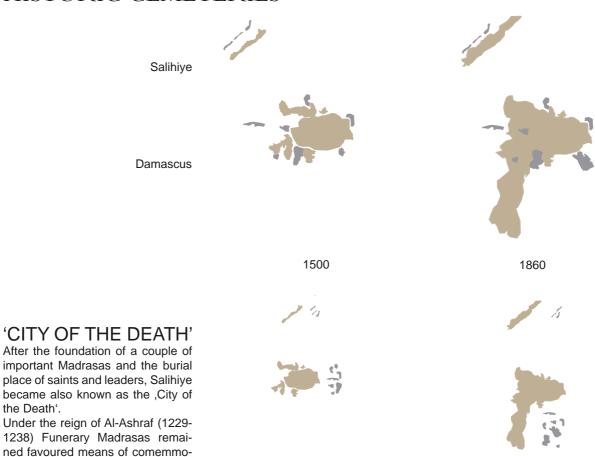








### HISTORIC CEMETERIES



It was then when Salihiye already comparison of cemeteries Salihiye and Damascus

Muslim Cemetaries in general expand as a process of organic growth around a focus of grace, baraka, the focus in the great majority of cases being the tomb of a saint. It can also be the sepulchre of any distinguished person: one of the Companians (someone belonging to the first generations of Muslims, saw the Prophet with his own eyes), a martyr, a hero, a ruler, a poet or mystic.

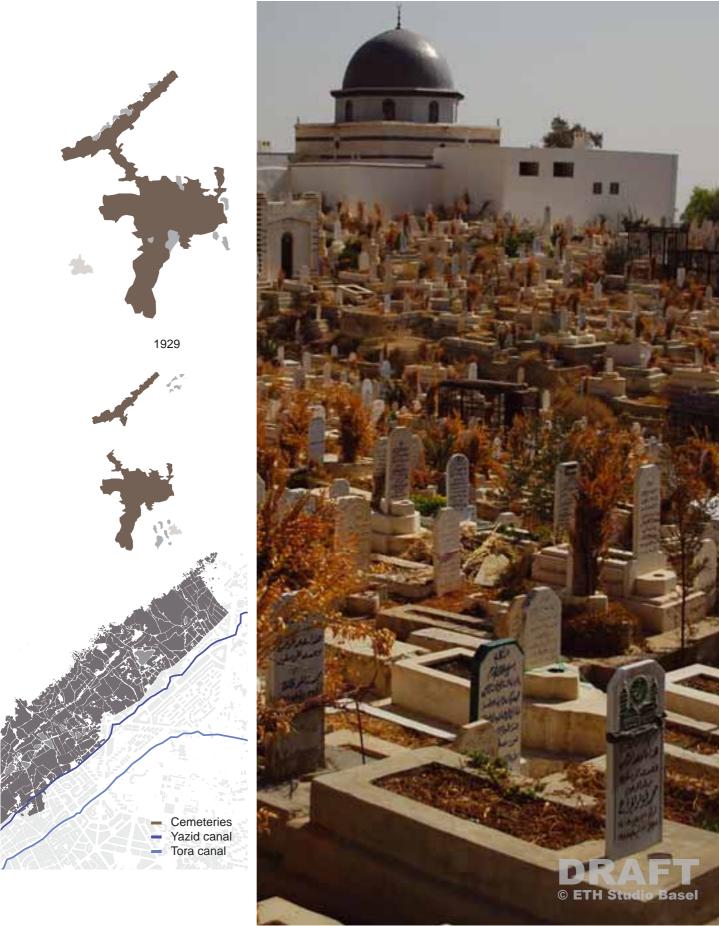
rating service and sustaining faith.

established as a fitting place to be buried and began to consolidate its reputation for holiness with a string

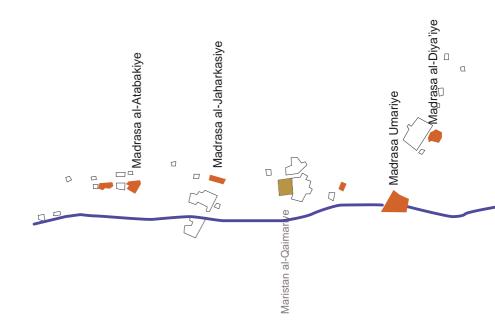
of madrasas.

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### **MADRASAS**



# THE HUB OF KNOWLEDGE

Within a century Salihiye became an urban centre rivalling the nearby city of Damascus with Friday mosques and numerous religious foundations, such as Madrasas.

Especially in the Mamluk era new Islamic schools were established and old ones greatly expanded. A total of 78 were operating in Damascus in the Mamluk period plus two for women. The Madrasa al-'Umariye in Salihiye, set up as a Hanbali monastery was now greatly expanded.

source: Ross Burns, Michael Meineke maps: after Ross Burns, MAM



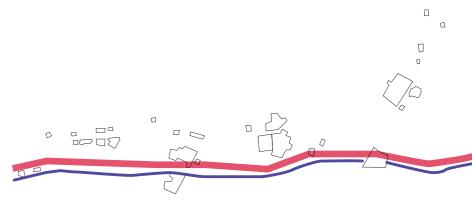




### **SUQ**

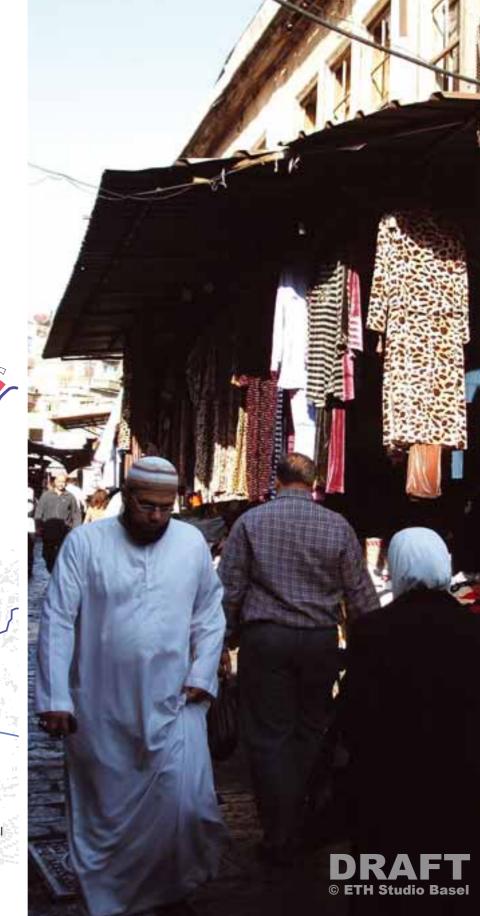
# COMMERCIAL LIFELINE

Salihiye also included many civil monuments - suq, khan, hammam, luxurious residences, a bimaristan. The Salihiye bimaristan is the best preserved and perhaps the finest Ayyubid monument in Damascus. Several inscriptions appearing on the gate give a date (aug 1248) for the beginning of construction, as well as the identity of the founder (Emir Sayf al-din Qaymari), and list property comprising the waqf. The plan of the building, inspired by Nur al Din's bimaristan, displays perfect symmetry along the north-south axis: a vaulted gateway with muqarnas, a vestibule, a square court with a central basin, a large iwan in the middle on the southern side, two smaller iwans in the center to the east and west quarters and a dozen or so rooms onto the court.

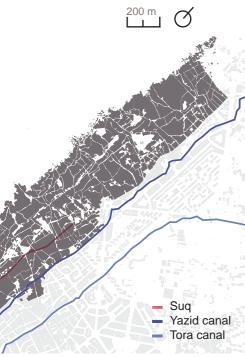


source: Ross Burns, Michael Meineke maps: after Ross Burns, MAM









### **AL-MUHAJIRIN**

### 'New quarter of modernity'

In the late 19th century a new housing settlement developped in the western part of Mount Kassyum. This new quater was planned by the governor Husayin Nouri Pasha between 1895 and 1911 to house the refugees coming to Damascus. On the other hand important members of the elite of the city, started to build their villas, surrounded by a big yard and out of stone, in the newly developped area.

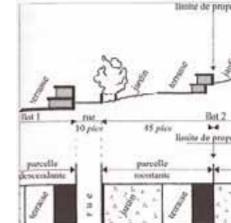
Al-Muhajirin got developped in different periods of time. Several years after the first refugees settled down the first mosque was built in 1893 and others followed. In 1890 the eastern part was already occupied with mostly houses constructed with loam. Refugees from Crete started to build their houses in the western part from 1900 on.

Around the change of the centuries, especially during the first years of the 20th century the extension of the quarter got started. The important road Al-Salihiye-Street was built in 1904, in 1905 the street-grid in Al-Muhajirin was finished and 3 years lated it became connected to the new watersystem.

With the connection with the tram-line in 1907 Al-Muhajirin was perfectly linked to Damascus.

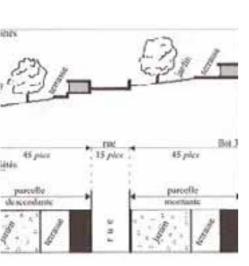
The planning for this new suburb was based on structures used in the capital and provided in laws for province regions. Not paying attention to the topography a strict grid was set on the street system. For the first time in the whole history of Damascus one area was unitarly conceptuated. The grid forms a clearly arranged block structure. This model of urban planning is based on European design methods and was firstly put on ground in Istanbul. It leads to a wideness of the streets of 11,45 meters. Although the area was intented to be used for refugees its benefits of a excellent conditions soon attracted wealthier people chosing this place to live. In the upper area mostly houses built with loam could be found, in the middle part rather row houses with courtyards and at the main road, at the southern end, better conditioned residence houses. As the initiatror of this development the imperator Wilhelm II is often mentioned. For him. in 1898 a view-platform was constructed. Him following Husayin Nouri Pasha built his "villa at the hill" between 1902 and 1904. Soon Al-Muhajirin developed into being the prominent quater of the city, since the site offered a panoramic view over the city and a good climate.

source: Stefan Weber images: Jean-Luc Arnaud

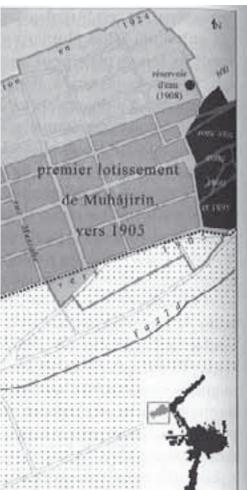
















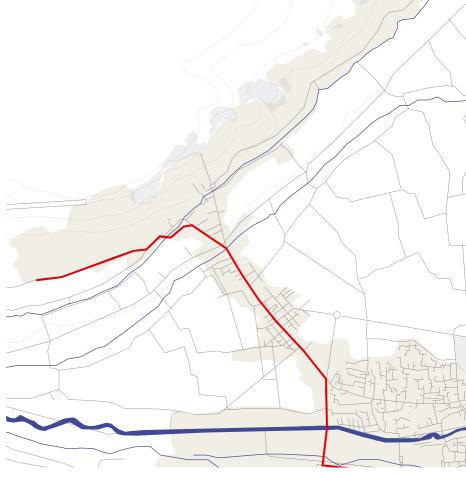
#### HISTORIC TRAMLINE

# CONNECTION TO DAMASCUS

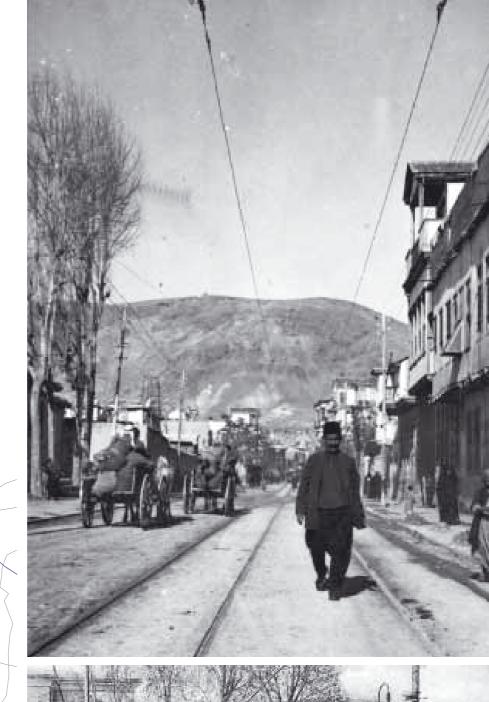
The drive to modernise also resulted in the letting of concessions to European companies to develop new means of transport within Damascus. Merdje Square, expanded and formalised in 1884, became the focal point of an electric tramway system run by a Belgian company under a 1904 concession that also allowed for the electrification of the city. The laying of tramlines required the widening of several streets outside the old city. The

central line (1907) was a link from Merdje running along the western edge of the old city and down the Suq al-Sinaniye to the Midan. A second line joined Merdje Square to Jisr al-Abiad, later extending to

Muhajrin and Salihiye quarters (1913).



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# ESTABLISHMENT OF ELECTRICITY AND STREET LIGHTNING

#### LIGHTING UP

On April 1907 Damascus was supplied with electricity for the first time. The main depot and electricity generating station lay north of Victoria Bridge and the first electric street lamps, 1,442 of them, were turned on since then.

Streets, markets and squares were lightened covering the overall quarters of the city. This implementaion was in this way not simply focussed on the newbuilt districts, the city center or the quarters of the damascene upper class but was providing security throughout and all over Damascus.

The modernization of urban infrastructure was not stopping at the city gate but covered the main street of the Old City (parallel to the renewal of almost all of the houses for commerce and living).

source: Ross Burns, Michael Meineke maps: own design after Ross Burns,









# ECOCHARD Projections for expansion

### 1968 MASTERPLAN-NING

Ecochard and Banshouya two French planner developed a general development planning for Damascus, including Salihiye.

When the population counted about 400.000 inhabitans they developped a planning also for the case of expansion.

Therefore the city got divided into fourteen sections as a green belt, local parties, public gardens, governmental areas, rule areas, industrial areas, new and also future developped residential neighbourhoods, historical extension, the city center, the area inside the walls and the Barada river valley. All sections had their own typology.

For population growth Ecochard had a special idea of buffer zones. He developped a strategy for the city expanding up to one million living inside the city and another million in the periphery.

The bases was to let the city grow as a hand, Salihiye as the tenar and the oasis to be kept between the fingers.

Hence less then fifty percent were put on the ground and the population grew intensively this caused a main reason for informal settlement to start.







# RAPID SETTLEMENT 'Informal Settlement'

### MOVING UPWARDS

Informal settlement in Syria can result from the following categories of legal situations:

land tenure
non-compliance of land use/planning regulations
non-compliance of building standards
non-compliance of registration-requirements

quote: MAM, Edesio Fernandes, Informal settlements in Syria, September 2008

The term 'informal settlement areas' in Syria refers to houses built contrary to urban planning or building regulations. However, these areas have basic services (drinking water, electricity, telephone, sanitation) at reasonable levels and a fair number of the buildings have sound structure, a far cry from the 'tin cities' found in other countries.

quote: Government of Syria, 10th Five Year Plan (2006 - 2010), Chapter 14, Holsing Sector in Syria

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defined by IFPO and MAM
informal area
old area
planned area



# REGULARISATION Contemporary Proposal

#### 1986

The historical substance became questioned, not only in the Old City, but also in Salihiye. Already in the years before almost one third of the listed monuments became torn down to liber space for bigger access-roads and new buildings. In the 80s again it was thought of widening some streets and threatening more monuments. It was planned to cut through the excisting houses by keeping the street structure. The schematic development plan shows the route of the baggers and the planned destruction of traditional quaters.

Differnt to the Old City, in Salihiye the modernisation planning effects on recently built buildings. Their housing typology leans, referring to height and orientation to the courtyard, on the traditional housing as it got developped in the old part of Salihiye.

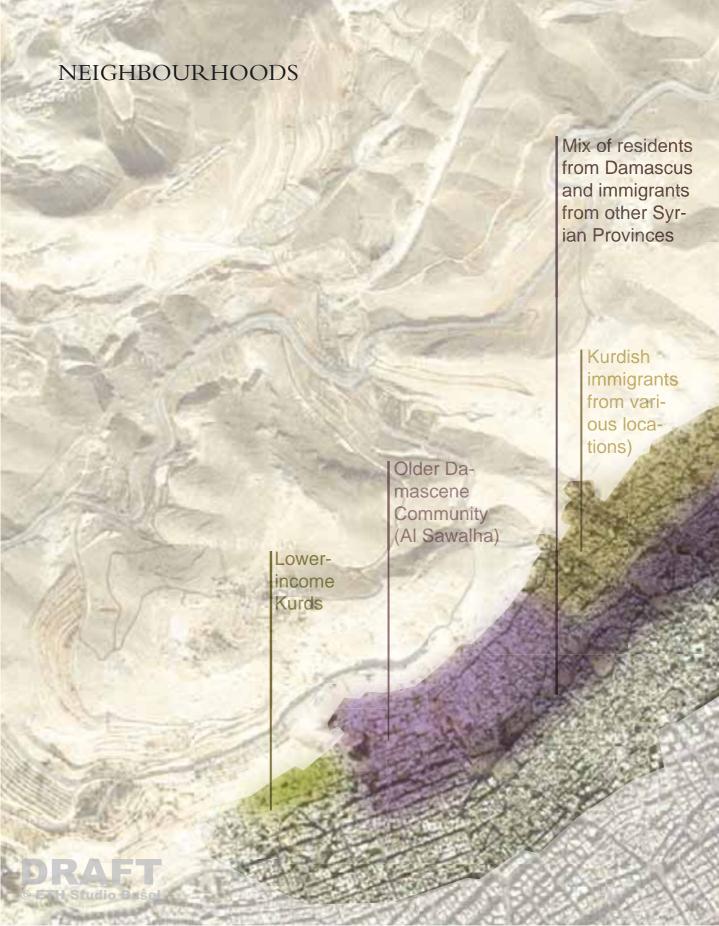
The in the 80s planned modernisation plan would have effected on the destruction of monuments, traditional quaters and traditional housing typologies. They were meant to be displaced by newly imported types for high resedential buildings.

















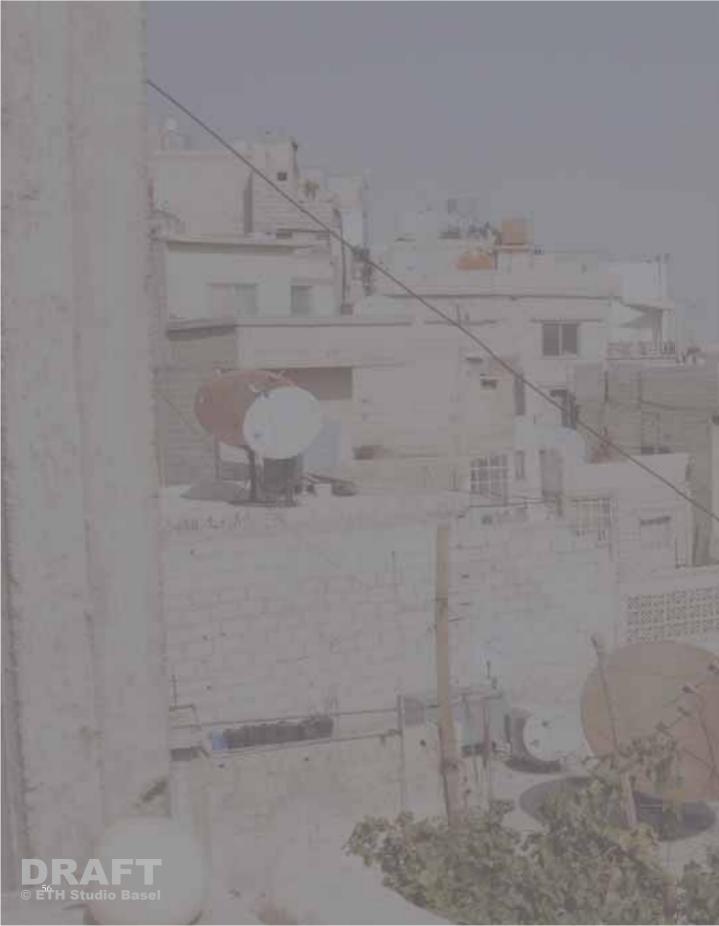
## SALIHIYE

An isle or a hole? And how is it linked to Damascus?





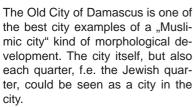




# Urban Structure 60 Urban Morphology62 Hilltown Salihiye 64 Urban Fabric 66 Housing, evolution from courtyard typology 70 Housing typologies 80 Housing, typology evolution82 Housing construction 84 Housing material 86 Housing color 88 Hilltown circulation, establishment of accessibility 94 Hilltown circulation, staircases 96 Urban characteristics © ETH Studio Base

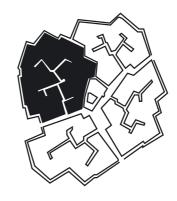
#### URBAN MORPHOLOGY



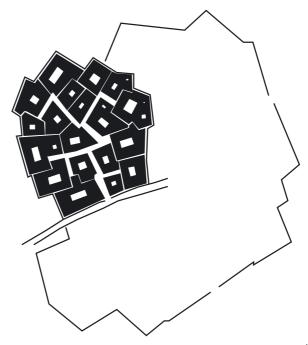


Similar to the quater communities also the occupation communities have their own logical system. The Suqs form a chambersystem of different market sections, leading to the mosque. The mosque therefor gets the role of an inner room of the market area, protected by the gate-ways formed by the Suqs. This leads to a coexsistance of two different types of public spaces. The mosque as the quiet center of the city and the market as the moving space.

The Old City is characterized by its encapsulated structure, where the visitor never sees the whole, there are no specific landmarks, no specific fassades, but always the feeling of being in the center of a room.



quarter



source: TU Dresden
images: own design after TU Dresden

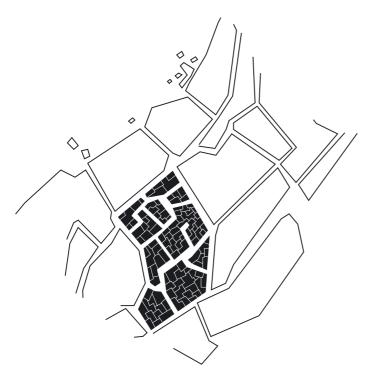
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neighbourhood





quarter



neighbourhood

SALIHIYE In Salihiye we can find similar characteristics. Main roads demonstrate the major directions, with the old sug in the lower part as the main commercial area. The inner structures of the neighbourhoods are organized in a labyrinthic and narrow path way which provides foreigners from entering. The paths are mostly stairways which keep cars, traffic, supply and noise outside the residential areas. The whole system, the residential and the commercial, can also be discribed as an encapsula surrounded by bigger streets. The Ottoman Shaykh Mohieddin Mosque innerts the tomb of Ibn Arabi and is one of the central mosques in Salihiye. Similiar to the structure of the Old City little shops are always located outside the housing areas.

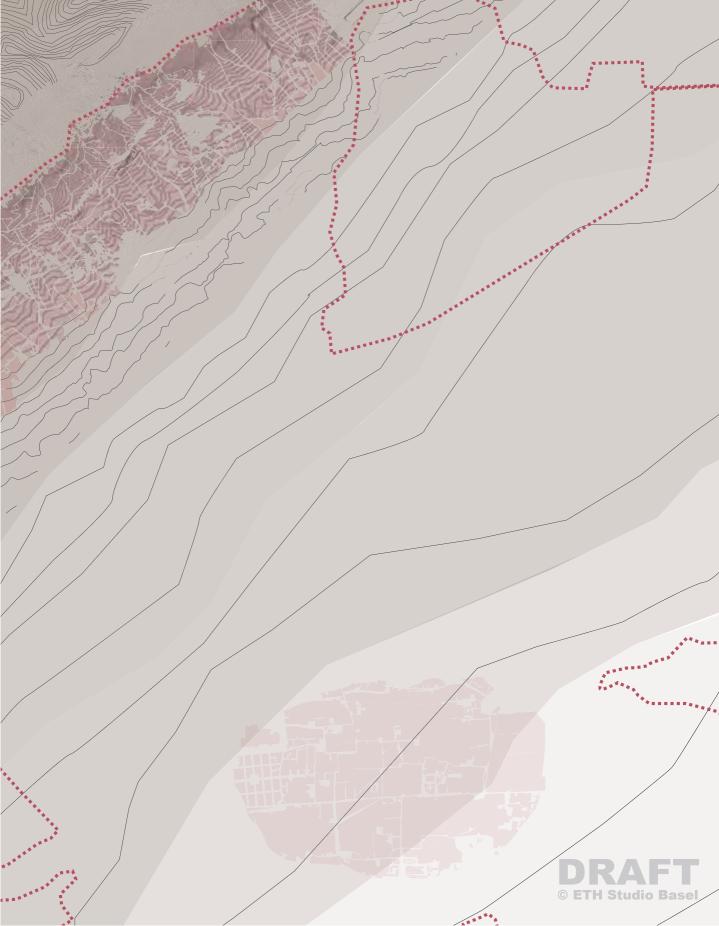
source: TU Dresden images: own design RA F 59 © ETH Studio Basel

# HILLTOWN SALIHIYE

- Hilltown SalihiyeOld Citycontemporary settlement







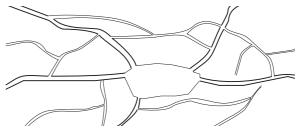
#### URBAN FABRIC



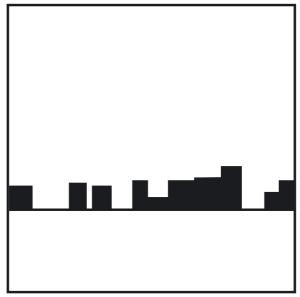
THE OLD CITY The Old City of Damascus is similary structured as other "islamic" cities. One of the most significant features is the strict division between open and private space respectively territority which has an impact not only on the system of access, but also on the building structure. The public life is determined by the Great Mosque with its surrounding markets and the seven gates leading to main roads, the private life by its residential house and the quater. Big walls keep the residential areas from the public apart.

The system of access creates a hierachie between these spaces. From the gates incomings (pedestrians and supplier) are directly lead to the center without passing the living areas.

Another mark of this urban structure is that each social arrangement owns one itself closed room. This refers to the residential house itself, but also to each quarter.



street system

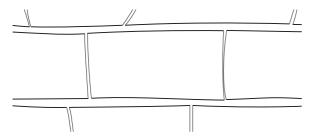


elevation

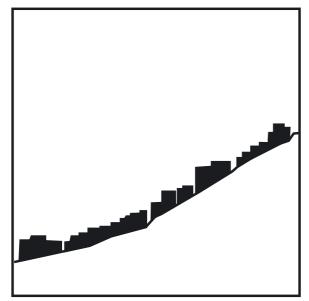


grain





street system



elevation



grain



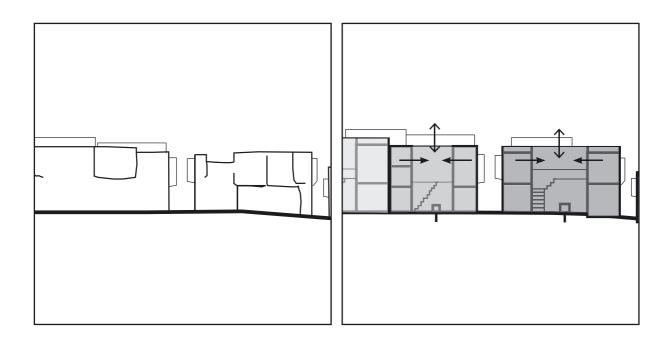
**SALIHIYE** Building framed by narrow streets and alleys, consist out of a dense arrangement of two- and three story houses. The inner zones are almost completely built upon with houses and are connected by access- and dead end- roads. Those are usually very labyrinthic and lead to bigger, connecting streets. Some of them disappeared by building new housing fabric on them. Bigger story houses, built during the last years, can be found within this structure, whereas som shops along the suq only consist of one story.

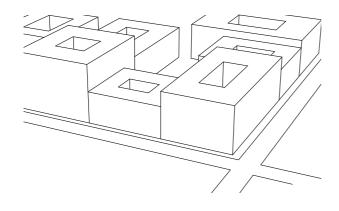
In the lower part you find an excisting small fad net of coequal streets which is perfectly connected to the bigger roads of Damascus, with the suq as an exception, which is only for pedestrians. The continious main roads lead from down to up. Within you find tiny stairways and paths which make the houses accessible. Their course and the size of the sites is determined by the difficult topography contains running alleys and the vertical and perpendicular running stairways. During time the area fully densified. As a result we find a unmanageable and labyrinthic structure. Foreigners therefore have difficulties to enter this structure.



## HOUSING

# Evolution from courtyard typology









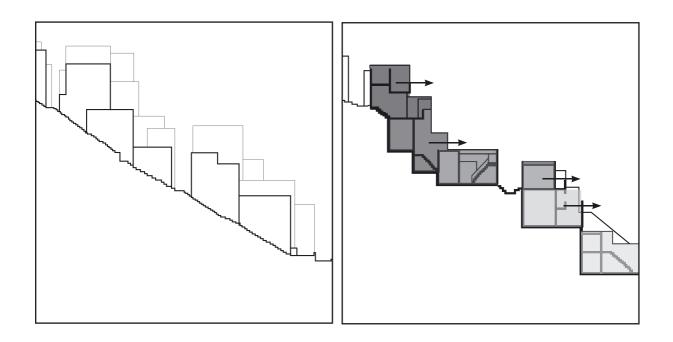
# FABRIC IN THE OLD CITY

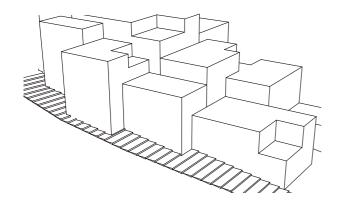
The traditional Damscene residential building type is a courtyard house. Its strong relation between the inside and outside space, such as the sky determines the arrangement of spaces.

In its courtyard center we always find a faountain.



## HOUSING Evolution from courtyard typology







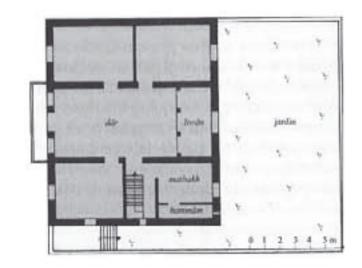


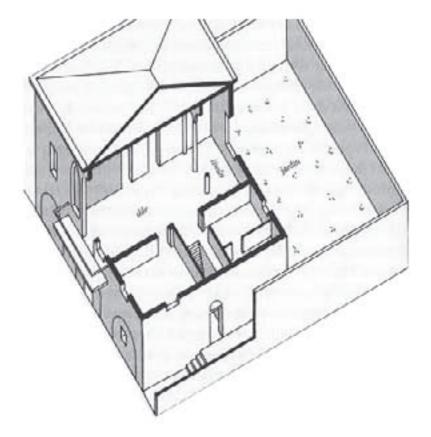
#### FABRIC IN SALIHIYE

In Salihiye there are additional aspects which have influenced the evolutional changing of the traditional Damascene house. One aspect is the topography and due to rising attitude, panoramic view and roof terasses become a compulsatory element. In the lower part we also find courtyard houses. Nevertheless they generally follow the traditional search for a strong relationship between the inside and outside. The private life mostly takes place inside the house, where usually the whole family lives together.





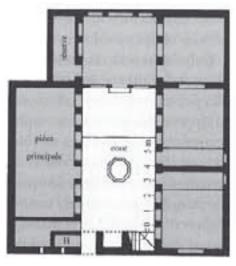


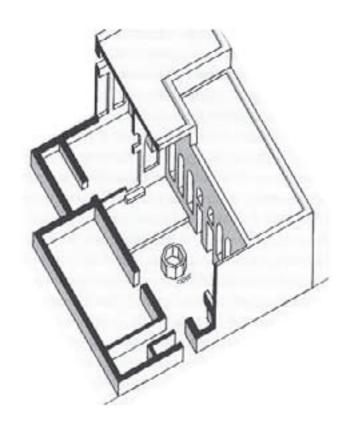










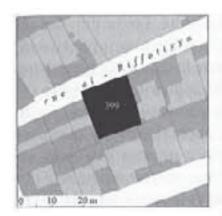


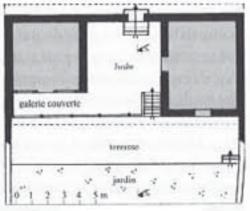


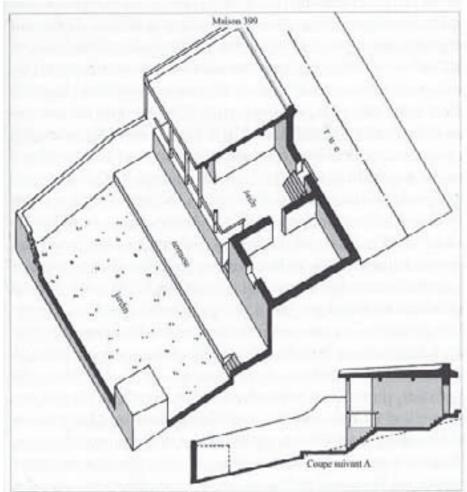


# HOUSING typologies

#### Damascus, Al-Muhajirin



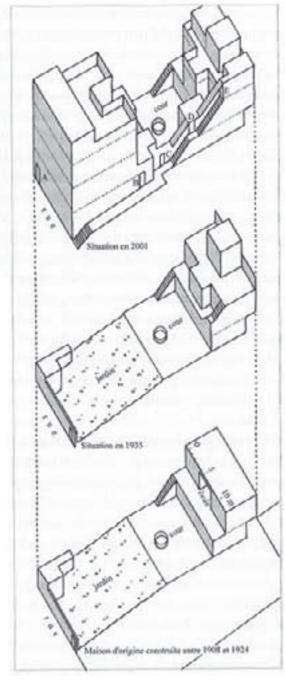






## AL-MUHAJIRIN Densification between 1908 and 2001

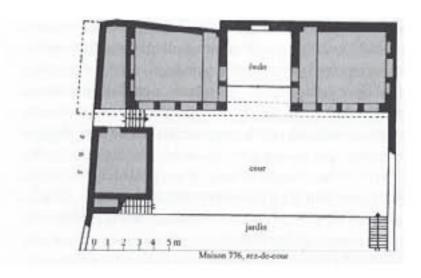


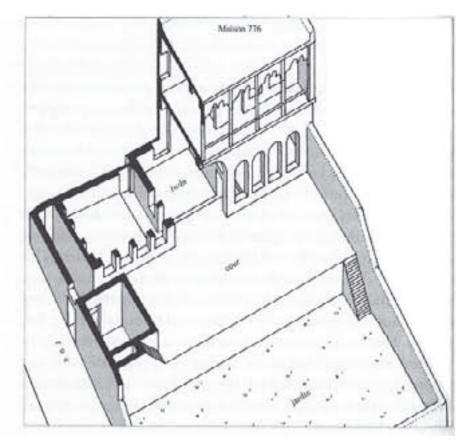






#### Damascus, Salihiye







# HOUSING Typology evolution

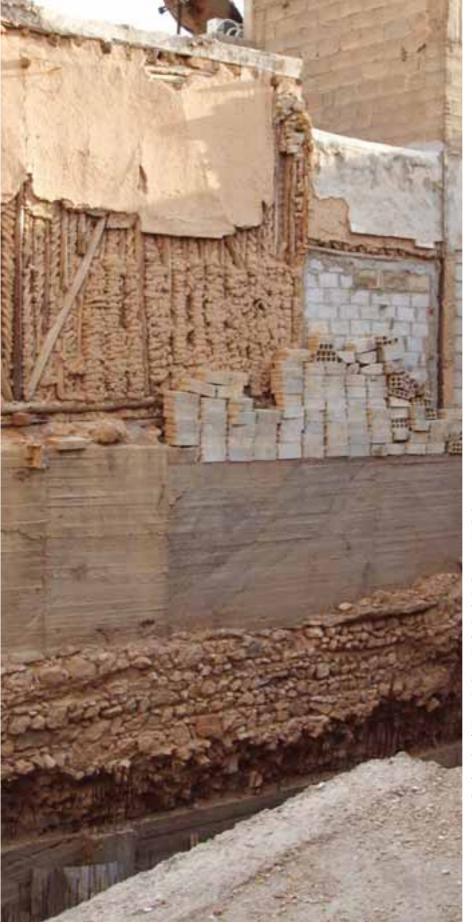
original parcelle construction of the auroch cell construction of additional rooms (bathroom, kitchen,etc.) building of a stairway with access to the roof adding a further room in the first floor (sleeping) covering the courtyard, further rooms added in the first floor construction of a stairway to the roof

first floor

second floor

ground floor





At the first sight the trandition from one to another, between the different building types and structures cannot be pointed out. Old buildings get upgraded by exchanging windows, doors, roller shutters and window grills to new ones. The added stories with use of modern materials such as concrete-stones. Extensions of buildings normally are not dispatched, so that this leads to a more less heterogene outside in combination of the decline of some houses. Their outer appearance is chracterized by several changings and expansions. The point of construction is hardly identifieable and can only be assumed. At some places we find attemps of unifying the fassades and giving them the same appearance. So it is mostly difficult to define the inner borders of houses and flats.

image: own design after TU Dresden source: TU Dresden PA Page 1 P















































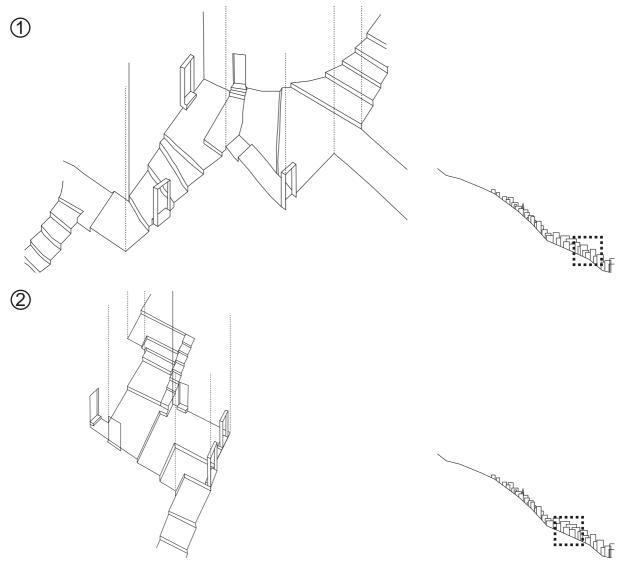






### HILLTOWN CIRCULATION

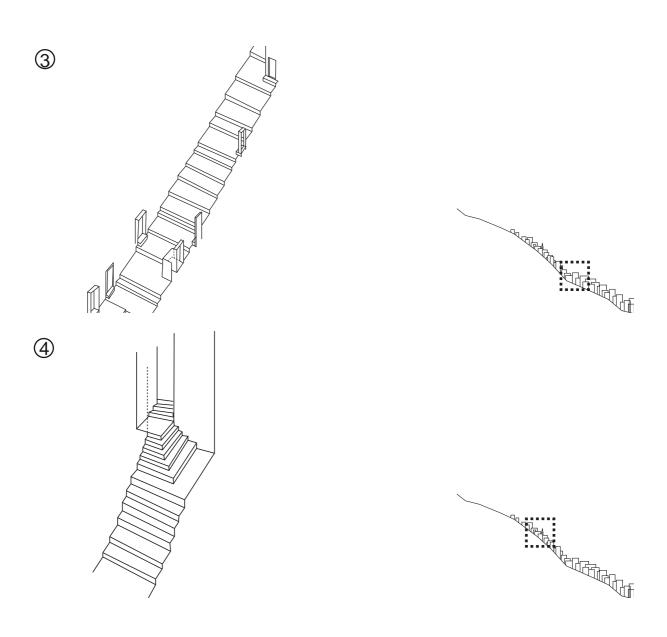
Specific characteristics due to labyrinthic road network, dense building structure and specific topography of Mount Kassyun







# HILLTOWN CIRCULATION







# HILLTOWN CIRCULATION

# Establishment of accessibility

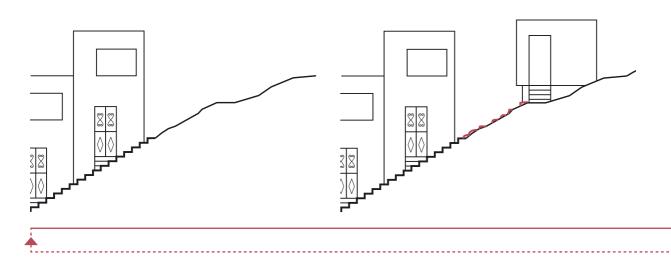








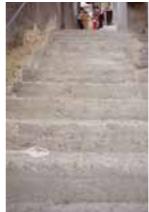
People occupy land for future house construction. In order During time they become precised and some parts asto make access possible, they create stairways out of sured. bricks, fill tins with loam or use natural steps in the rock.





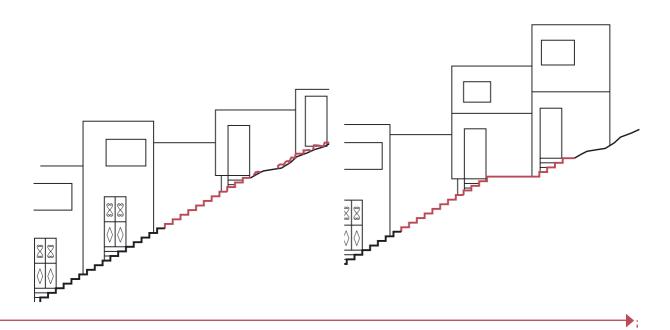




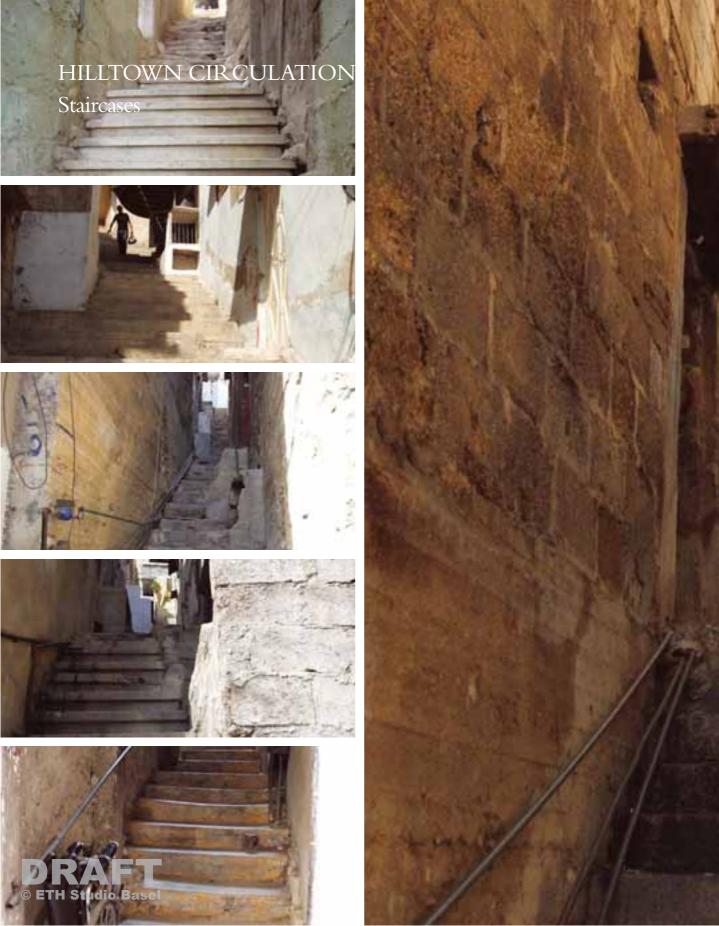




After some time concrete is used to establish are pro-perly formed staircases which make vertical access possible.









## URBAN CHARACTERISTICS

PUBLIC SPACEThe public space in Salihiye is not characterized by specific design or planning. Similar to the Old City of Damascus, the residential houses are introvert. The traditional house does not face with more than the entrance door to the street. This causes a more likely somber public space, which only has the function of providing access and making access possible. Only the different types of doors give the design. Moreover there is just a few greenery, sometimes the inhabitans put plants near their entrance, sometimes trees grow in the public space accidentially out of the courtyards.



PUBLIC SPACE Around commercial areas, important street-crossings or similar landmarks the public space is used for other purpose than access. Here, mostly men meet. Otherwise only playing children activate and use the public space. An indication for private life mostly taking place inside the houses and within the intime and family structure. No public spaces are developed into freetime places. Unbuilt grounds decline and are used as garbage dumps.







STREET NAME Since the majority of the houses is built informally, street name labeling can only be found in the lower or planned area. This fact also leads to a strengthening of the inner community, because only the inhabitans have the necessaire orientation to find their way around. Moreover the street structure is so labyrinthic that even with having a map, it is difficult to keep one's orientation.

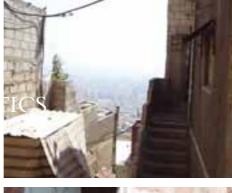


ACCESS The topographie of Mount Kassyum determines differnt levels of ground floors, so that there is a variety of entrance stairways. Sometimes they lead up, sometimes down. But the traditional ten to fifteen centemeter barrier (splash water protection) is mostly kept.

There cannot be pointed out a real seperation between these private and the public spaces. Nevertheless the privacy is being respected by the inhabitans, so that foreign stairways are not steped on without any specific reason.



















































# Urban Layers

- 102 Monuments & Institutions106 Public Space110 Semi-Public Space

- 114 Public Transport
  118 Commerce Mobile trade
  120 Commerce suq & shops
  122 Infrastructure electricity
  124 Infrastructure satelite
  126 Sewage & water lines
  130 Garbage collection

### **MONUMENTS & INSTITUTIONS**

The actual number of monuments are situated in the historical development of Salihiye. Schools and Health clinics are usually not recognizable from the outside, often houses are converted into schools, health care institutions usually located on the first level and most of the time only in the belower part.

map: own desgin after MAM





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### PUBLIC SPACE

Only a few public spaces can be found in Salihiye. At some street crossings the space is used as meeting point, but usually public places serve only as parking places. The officially arranged park and children playground below Al-Akrad is not used by the people. The determing characteristic is the number of cemetaries, which run along a thought line through the whole region.

map: own desgin after MAM



















### SEMI-PUBLIC SPACES

Besides the few number of formally designed public spaces. The inhabitans of Salihiye have adapted open space to their daily routine. This characteristic pattern of dividing public or semi-public areas from the public space, is clearly visible in the whole area of Mount Kassyun. You find individually generated semi-public open spaces integrated into road network.

















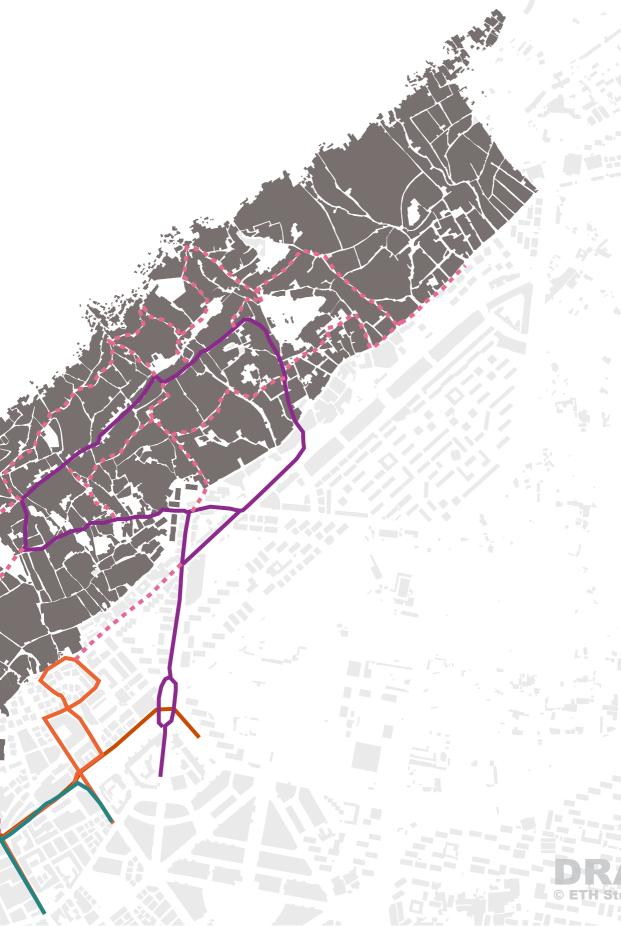


## **PUBLIC TRANSPORT**

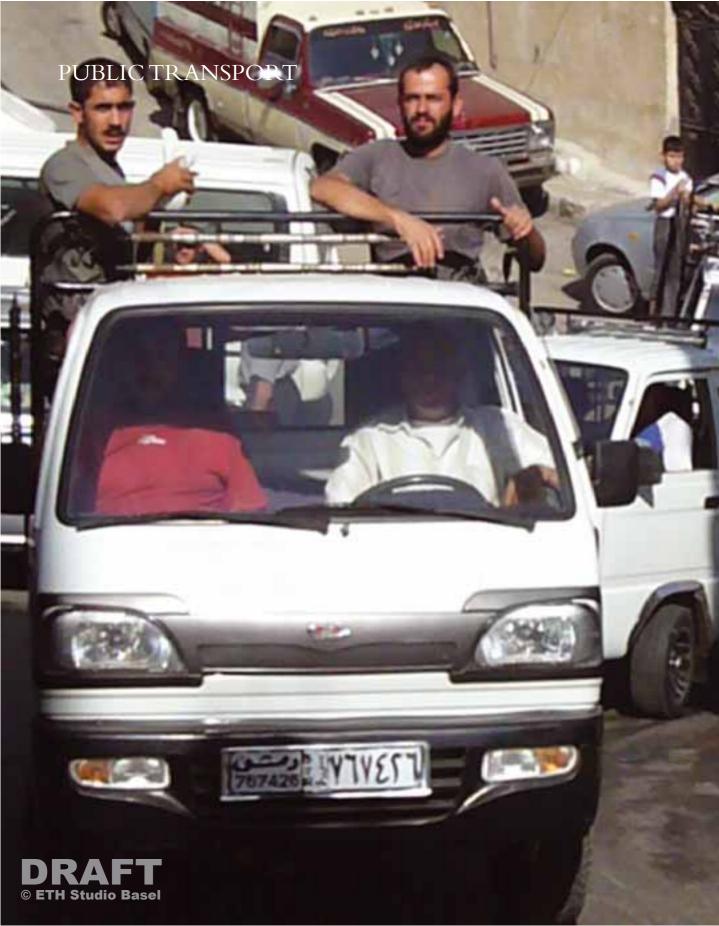
The bus-system in Salihiye is run by a private company. Suzu-ki-Pick-Ups are used for public transport, as school busses or to support people by bringing up f.e. new construction materials. There are no bus-plans or clearly defined routes. But, as we found out, they run very frequently, all day long and nearly everywhere. Lately, a change of transport vehicles has started due to the increasing number of accidents with school busses.

map: own desgin after MAM





DRAF © ETH Studio Basel





















MOBILE TRADE Few times a week mobile-trade Suzukis run through the mountain range of Kassyum and sell food, such as fresh vegetables and fruits. They are bought at the great market in Damascus, which allows cheap reselling prices. Especially because of the strong topogrophy, it is much used by the inhabitans.



DRAFT
© ETH Studio Basel











SHOPS The traditional souq at the bottom in Salihiye builds the accomodation backbone for the entire area of mount Kassyun. It is also well known for having a variety of fresh vegetables and fruits and maybe the only area in Salihiye, where also closer living Damascenes go to. On bigger streets all over the mountain small shops cover the need for daily life.















**ELECTRICITY** The municipality installed a greater electricity network-system for Salihiye. The inhabitans keep on expanding it on their own, so that open kables run everywhere, are spanned over the street or tightened on housing walls.















SATELITE The topview of Mount Kassyun is chracterized by the numbers of satelits found on every roof from the bottom to the top area. Even the, on the very top and recently built houses, have satelite accomodation.







## **SEWAGE & WATER LINES**

The municipality of Damscus built up a water - system which provides fresh-water for some hours a day, so that the inhabitans have to collect their personal need in water tanks, located on the houses's roofs. Usually the inhabitans theirselves connect their house to the waterand sewage- system.

map: own desgin after MAM

























# Case Studies

- 134 Case study work136 Approximate localisation140 Questionnaire
- 142 Case Stuies
- 162 Salihiye, its link with Damascus



# CASE STUDY WORK

APPROACH On our field-trip to Damascus/ Salihiye, we had the idea of getting an insight of the quarter on the whole. After walking around in the whole region we determined three sections, we wanted to have a closer look at, for getting an overview from the bottom to the top.

Through case studies we wanted to have a closer look to get an impression of everyday life in Salihiye.

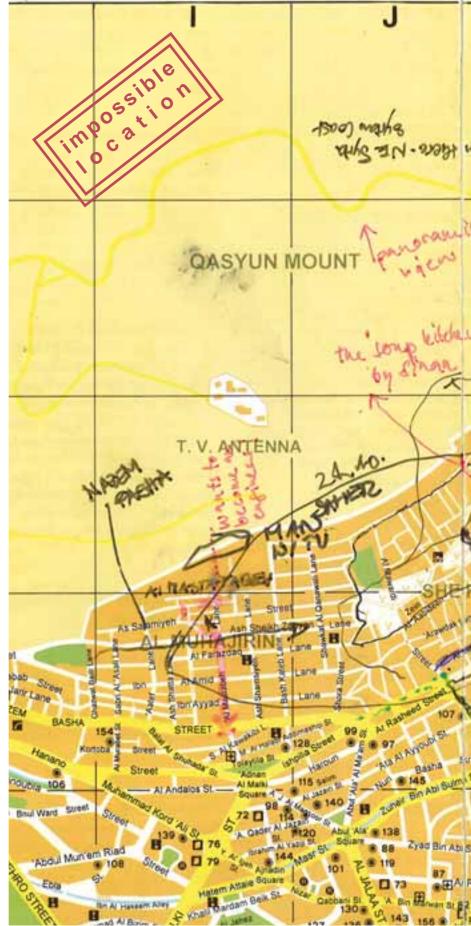
The intention was getting an understanding of the site, its characteristic of circulation, social structure and urban fabric.

The method was a walk through Salihiye on our own with "gate openers", such as Damascenes and people from Salihiye.

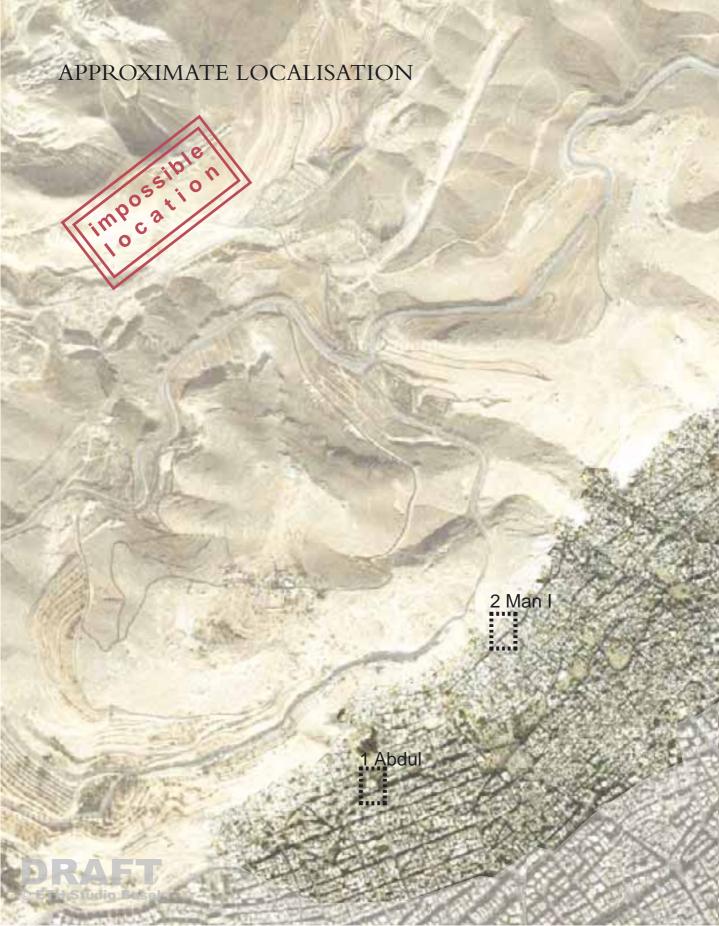
Experience can only be subjective, but do reflect nevertheless lifestyles and inhabitans of Salihiye.

It is to mention that, according to the labyrinthic street structure, the none excistence of street names and the difficulty in orientating by map (English, Arabic and Google Earth), the house location as shown in the following case studies is just an assumption and to be seen as an approximately determination of the house in its quarter.

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## QUESTIONNAIRE

#### **INTERVIEWER**

What is their name?
Where do they come from?
What do they work?
Where do they work?
Who is living with them?
How many family members are they?
How many rooms do they have?
Where does their family live?

#### **HOUSING**

Why do they live there?
Why did they chose to live up the mountain?
How did they build their house?
Why did they chose to live up the mountain?
Did they get help building it?
Did they change anything on their house?
Did they build the house by themselves?
How long did it take to build the house?
Where did they get the materials from?
How did they bring the material up?
Where do they get their water from?
Do they have electrictiy all day long?
Is there anything they miss at the house?

#### **ADMINISTRATION**

Where do their kids go to school?

#### **CIRCULATION**

Do they often go to Damascus? Where do they buy their food? Where do they buy their clothes?

#### **NEIGHBOURHOOD**

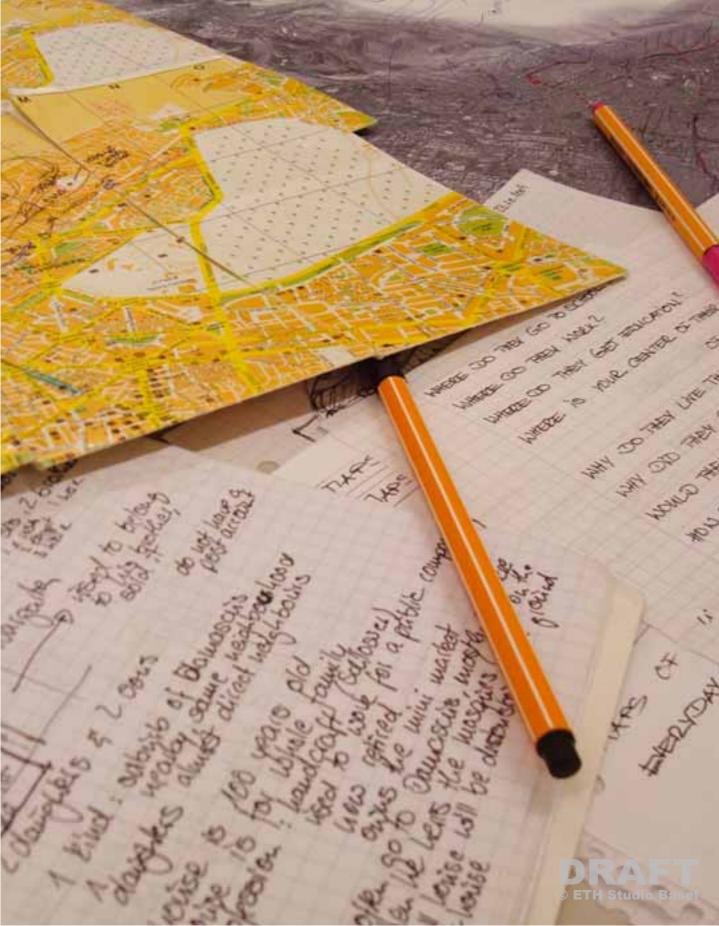
Who are the neighbours?
Are there any rules?
How did the environment change within the last years?
Is there much crime?

#### **FUTURE**

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Would they like to live somewhere else? Where are they going to live in 10 years? Do they want to change anything on their house?





### CASE STUDY 1

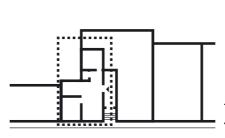
Abdul was born in Damascus and just until now used to live in a big flat in Harasta, east of the city. He bought this new apartement in a newly built big residential-flat-house. Some years ago, at the same place have been smaller, traditional houses, as the left neighbour. These small houses have been torn down to liber space for this apartment house. The resettled people will get a flat in exchange.

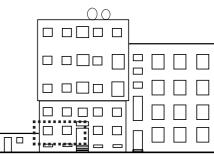
Abdul is going to move in with his wife and two children. Since he is a carpenter as profession he is making the whole interior design and construction himself. The reason moving back to Salihiye is that he is his originally from this place and wants to live close to his family. He has been living and working in London for a couple of years and is able to speak English fluently, so that we could directly adress our questions to him.



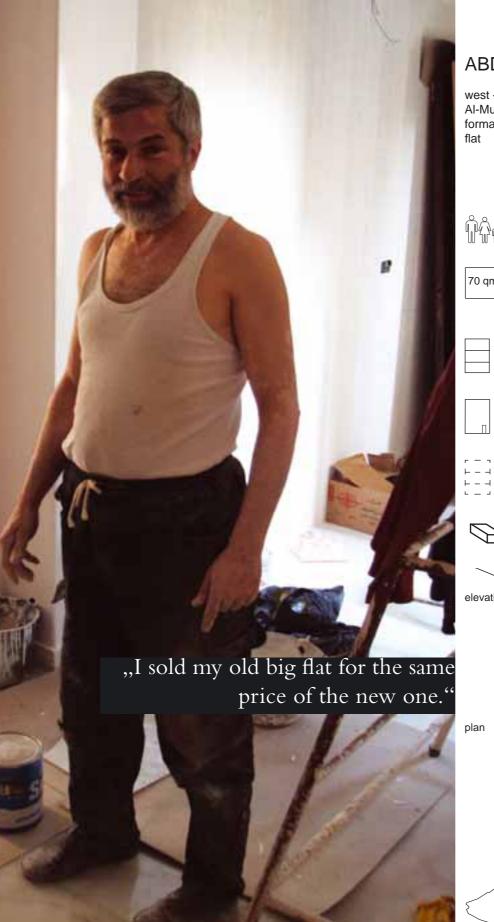












## **ABDUL HAMID**

west - middle Al-Muhajirin formal



1 family, 2 child

70 qm

no private open space



5 stories with basement

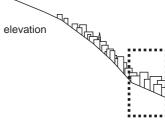
2009 under construction



architectural planning professionally constructed



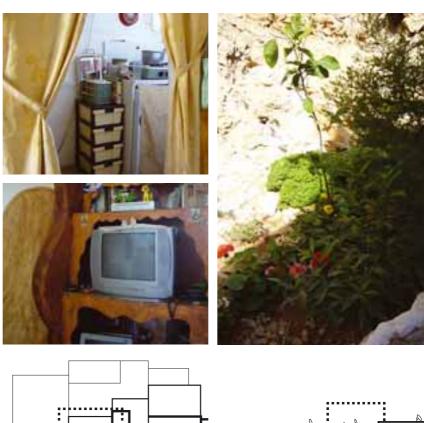
reinforcest concrete

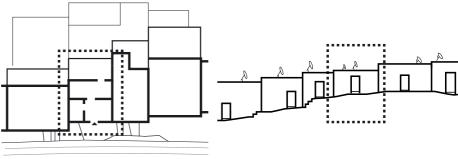




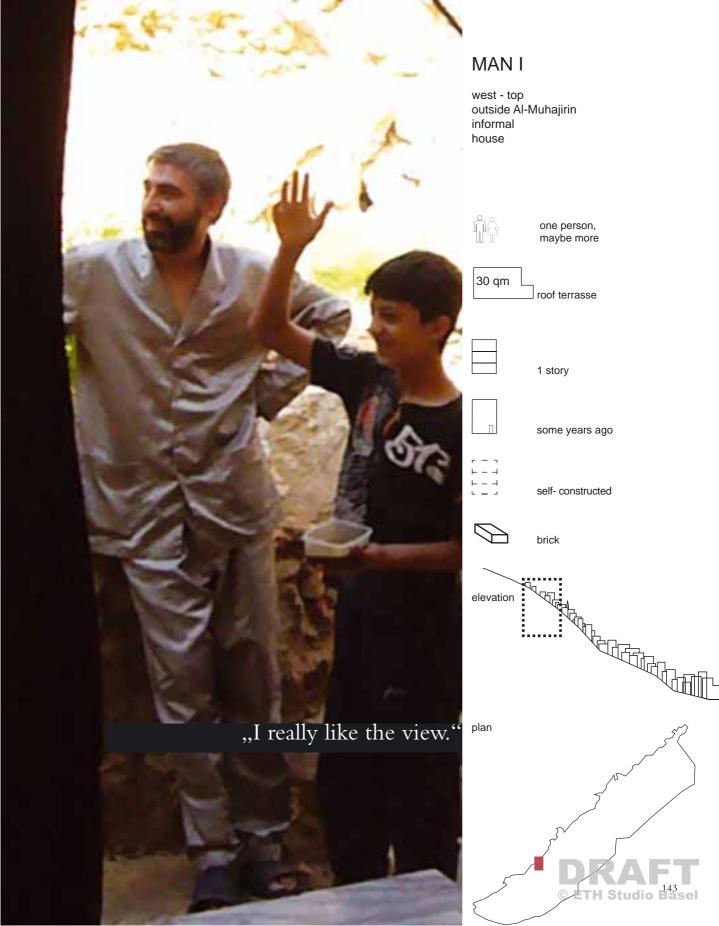
## CASE STUDY 2

This man we met somewhere in the upper, west area. He was only speaking Arabic, but he let us in, to see his small house. His house is built on the small plateau, right on the bottom edge to a raising uo steep rock. A tiny unpaved path with steps at some parts, leads to the house. It is well maintained and clean. Tales on the floor, wood - doors, big kitchen, TV, computer and wall decoration. In front of his house he had arranged a small front-yard with trees and flowers.









### CASE STUDY 3

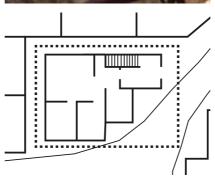
Foad Mardini (builder) was with his civil engineer, when we met him. He is building a five story house with nineteen flats. Five flats he is going to keep for his own, the others are to be sold. The one he will live in consists out of five rooms and a living room. It is a very modern house, with integrated parking, solar collectors, air conditioning and an earthquake guard system. It took one year for planning and will take an other for constructing it. The are no private green planned, since the ministry of Damascus is going to tear down some of the old houses nearby to arrange public green spaces.

He is going to move into this building with his whole family consisting out of six members. His children go to a private school which is close. They are the third generation in the family living in Salihiye and other family members are living close.

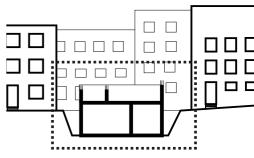
As we found out in the next case, the civil engineer is an investor and not an engineer, so, the written content needs to be questionned.



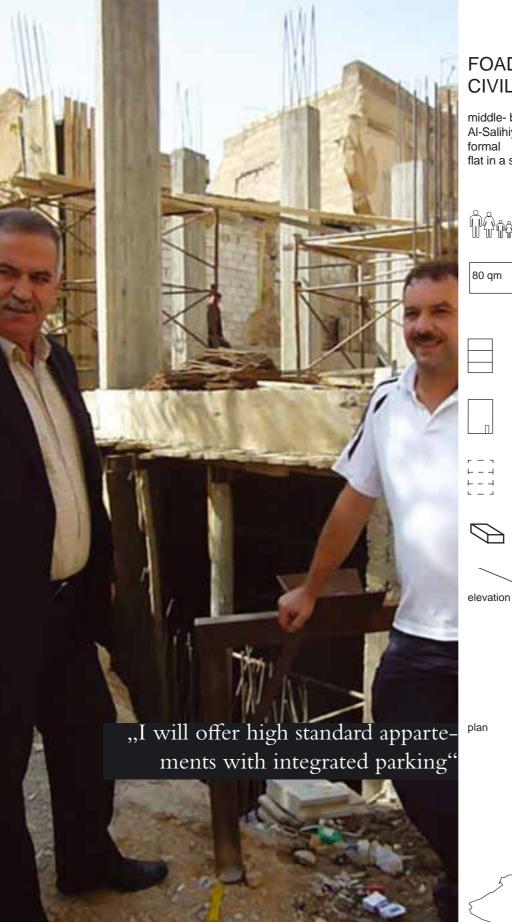












#### **FOAD MARDINI & CIVIL ENGINEER**

middle- bottom Al-Salihiye formal flat in a self constrcuted house



80 gm

no private open space



5 stories



2009 under constrcution

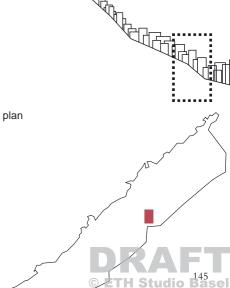


engineered planning professionally con-





reinforced concrete

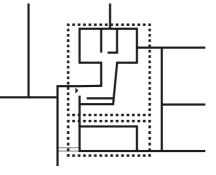


The shop owner and his wife have a Kurdish family background. His father moved to Salihiye several years ago. The house, which is about 100 years old, later got divided into two pieces and the shop owner's brother now lives in it. They have 8 brother and sister who all live spread around the world and four children. The daughters live in the neighbourhood.

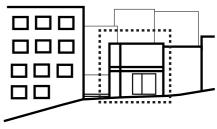
The man used to work in a public company as a steal worker and since he now is retired he leads the mini-market which is right next to the house. Every year the go to Mekka, for which we find a painting on the entrance wall. They mostly stay in their area and just barely go to the city of Damascus. In two years the house will be torn down to make space for a big apartement building. They are going to give their properties to a real-estate investor and will get a flat in the new building as an exchange.



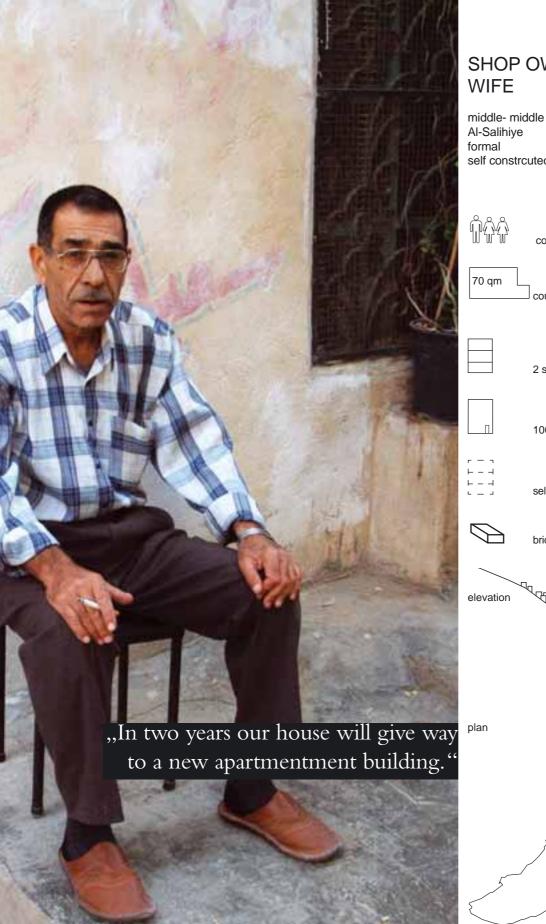












# **SHOP OWNER &**

self constrcuted house

couple, family guests

courtyard, roof terrasse

2 stories

100 years ago

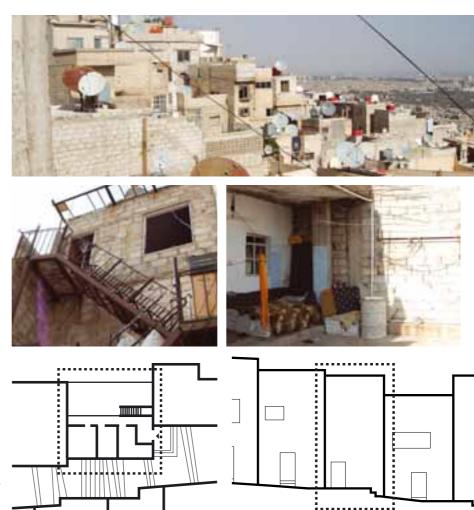
self- constructed

brick, loam





Two sisters and their families, coming from a suburb of Damascus, live in this house. The contemporary outer appearence of the house took three years. Now they do not want to change anything more. When they built it, twenty years ago, there was only a few houses around and the material was brought up with dunkeys. There are no specific reason for chosing this site. They chose to live on the mountain, because there, nobody had to be paid for the ground and so it was cheaper than building in the city. They would not mind living somewhere else, but they are happy. There is no crime, people help each other, all important infrastructure elements, such as doctors, waste disposal, etc. are close. But they pointed out, that the streets and alleys in their area are built up so dense, so that there would not be enough space for emergeny help in case of fire or personal accidents. Since the social structure is very strong, people help each other and would carry down injured persons to bigger roads. The children go to school and personal needs can easily be achieved. Food and clothes they buy at the Sug at the bottom. To Damascus they only go for holiday, usually they stay in their quater.







#### WOMEN'S HOUSE

middle- upper are above Al-Salihiye informal self constrcuted house

## ŮŶŰŶijŧijŧ

80 qm roof terrasse

2 stories

brick, concrete

elevation

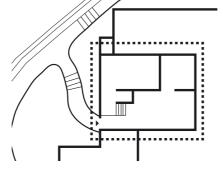
DRAFT
© ETH Studio Basel

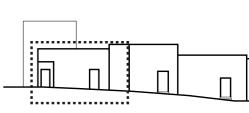
Shaban, born in Damascus, since eight years he lives in Berlin. His family's origin is Palestine and came to Salihiye as refugees in the 1960s. He works as an artist/ mosaik handcraft in Germany. All his necessary skills his learned from his uncle and decided to turn this in to profession. He mentioned, that traditionally children learn their later profession from their families and quit school after tenth grade.

As he is strongly connected with his origin he comes to Syria at least six times a year. All his family members live close to each other and all houses were built by themselves. People chose the mountain to live on for profiting from all the excisting benefits as fresh air and panoramic view. His grandmother's house was built in a traditional way, with an oven and a courtyard. After her husband died, she now lives there alone.













#### SHABAN & **GRANDMOTHER**

East bottom Roukn Ad Din informal self constrcuted house



one person



courtyard



1 story, different levels



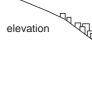
60 years ago



self- constructed



brick, loam



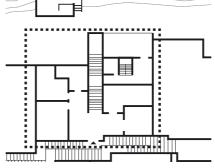


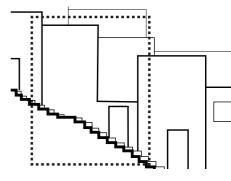
Yusuf was born in Palestine and came to Salihiye in 1948. He lived in London for six years and used to work as a chauffeur for the Swedish Embassy. His lives there with his whole family, they are 28 members, spread through all diffenrent generations. They live a traditional Palestine way with making their own bread, cakes and cookies. They have a small vegetable yard and birds. The whole family is proud of the roof terrasse they have and appreciate living all in the same house. Yusuf built it by himself with getting help from neighbours and other family members. In the basement floor they recently renovated an appartement which is going to be used by one daughter.



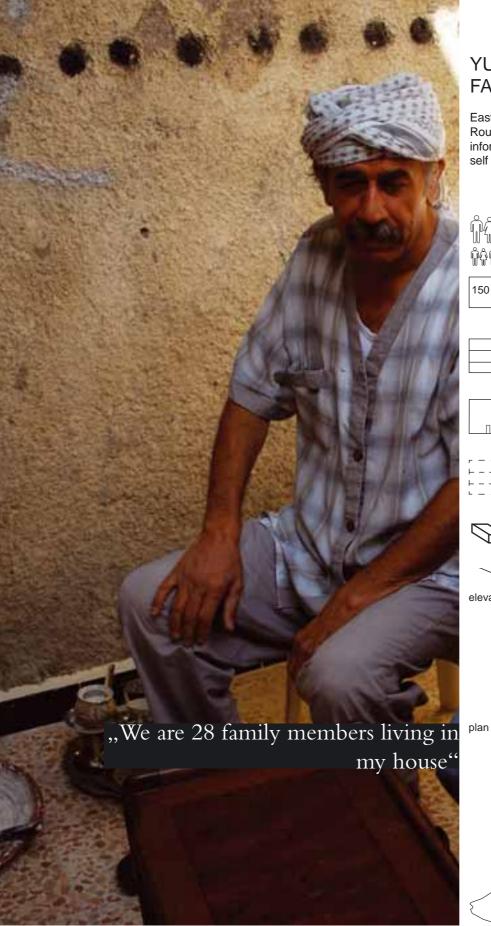












# YUSUF & FAMILY

East middle Roukn Ad Din informal self constrcuted house



150 qm courtyard, roof terrasse

3 stories, different levels

50 years ago

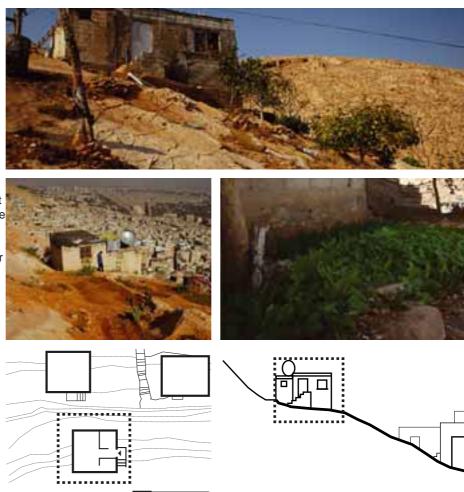
- ⊣ \_ 」 self- constructed

brick, concrete

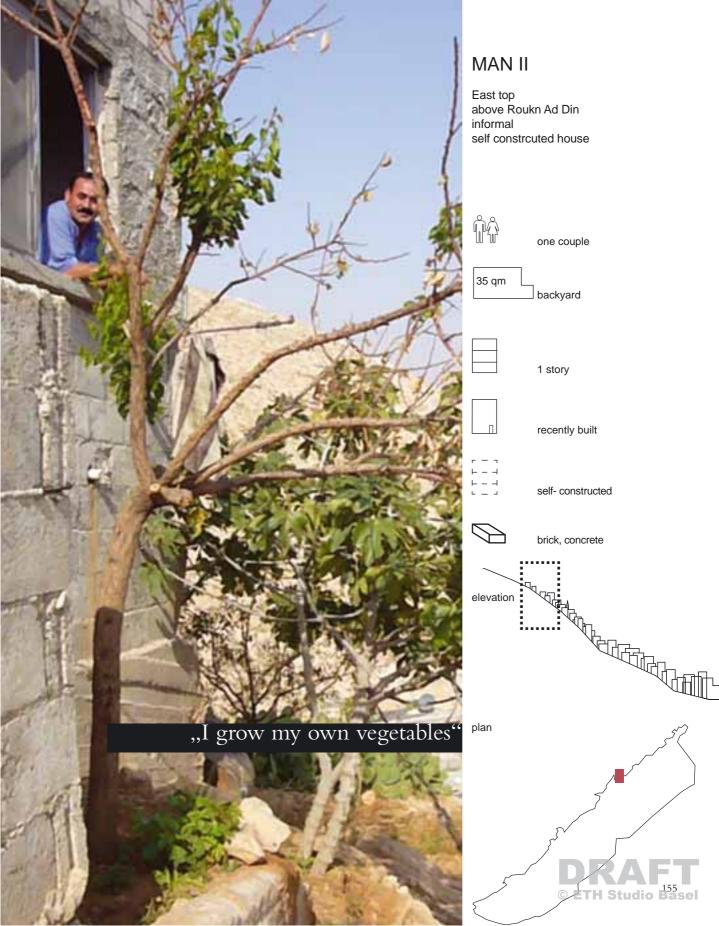
elevation

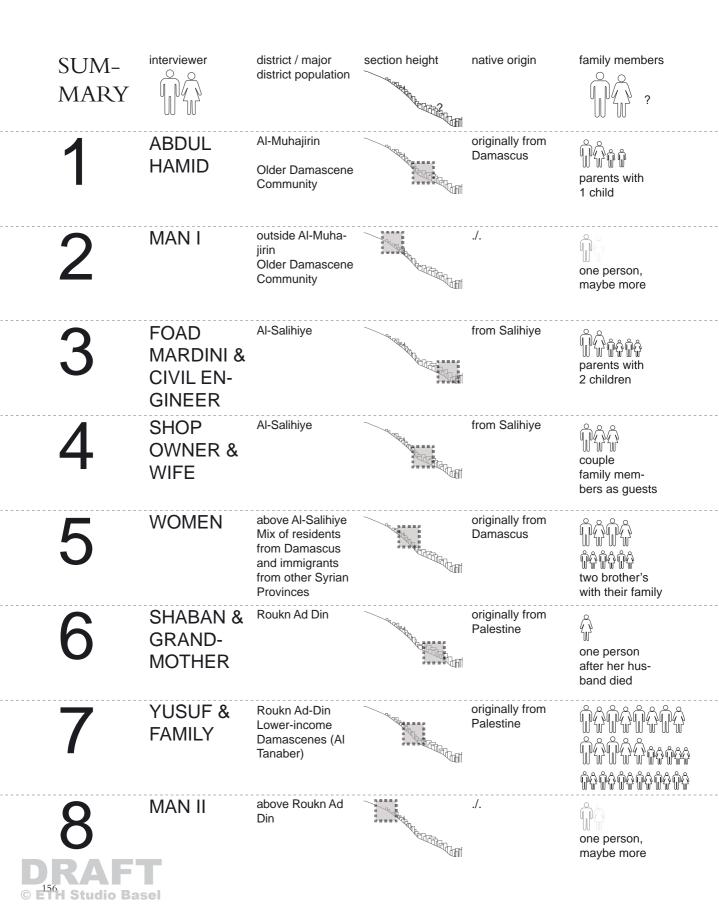


With the best view and best air on top we arrived at the house of this man. He is lucky having his own piece of land where he crops plants and vegetables. His house is on the very top and (still) freestanding. Infrastructure as streets and shops is lacking and not excisting and just a small track in the structure of the rocks leads to his house. A Staircase is still missing, but, electricity, fresh water, sewege pipe-lines and satelite excist for all the other houses, too. Having a closer look at the surrounding fabric you can make assumptions for further development for this area. You already can see, how people start adding further rooms to their house.









neighbours	point of down settling	residential type	year of con- struction	greater context	approximate grain
 family members and relatives	moving in 2010	flat first floor	2009 under construc- tion		
 J.	J.	house	possible built recently	John Sorre	
 bers will live in the same house	moving in 2010	flats five for his own	2009 under construc- tion		
 other family mem- bers (brother got the other half of the house)	third generation living there	house, which got seperated some years ago	approximately 100 years ago will be torned down in two years to make space for a high story appartment building		
 relatives	about 1990	house	about 1990	A STATE OF THE STA	
 the whole family who flet from Palestine	about 60 years ago	house	approximately 60 years ago		
relatives	about 50 years ago	house	50 years ago	\$0.000 P	
.l.	.l.	house	possible built recently		ETH Studio Basel





#### **SALIHIYE**

Its link with Damascus



Regarding Salihiye's history and urban developpment we have the feeling of Salihiye being

#### "THE OTHER DAMASCUS"

Over time Damascus and Salihiye grew together. Starting on Salihiye Street, nowadays the whole bottom side touches Damascus. But as looking at the urban fabric, the roadnetwork and life of the inhabitans and its location there is still a big distinction to be made between these two.

After talking to the inhabitans and having a closer look on its development, a possible conclusion would be, Salihiye being a piece of puzzle, which is set in its frame and whose edges will be blushed soon. People from Salihiye work and sometimes go to Damascus, the other way round, Damascene yet do not go on Mount Kassyum. But, as the city is still expanding and the smog is getting worse, they start looking on Mount Kassyum.









PEOPLE IN SALI-HIYE DEVELOPPED THEIR OWN CITY. THEIR OWN SPAC-ES. THEIR OWN PLACES TO LIVE. THEIR OWN INFRA-STRUCTURAL SYS-TEM. THEIR OWN PERSONALITIES. THEIR OWN IDENTI-TIES. THEIR OWN TRADE STRUC-TURES. THEIR OWN **BUILDING TRADI-**TION. THEIR OWN SERVICES. THEIR OWN WAY TO LIVE. THEIR OWN NEIGH-BOURHOODS. THEIR OWN COM-MUNITIES. THEIR OWN IMPROVE-MENTS. THEIR OWN WAY OF CON-STRUCTION. THEIR OWN WAY OF UR-BAN LIFE.





AND THEY HAVE SOMETHING YOU DO NOT FIND AN-YWHERE ELSE IN THE CITY



FRESHAIR AND A PANORAMIC VIEW OVER THE WHOLE CITY OF DAMASCUS

© ETH Studio Basel



## Potential Proposal

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#### THE MAM REPORT Stakeholders

## THE MINISTRY OF LOCAL ADMINISTRATION & ENVIRONMENT



was established with the Decree No. /36/ of 1971. Decree No. /69/ of 1973 specified the responsibilities with regard to Local Administration as follows:

Legislation

- Supervise the implementation of the Law on Local Administration
- 2. Coordinate among Governorates
- 3. To propose and issue legislations and regulations etc.

## MUNICIPAL ADMINISTRATION OF MODEARNIZATION (MAM)



is a programme which aims to 'improve the quality of life in urban centres across Syria.'

They cooperate as Partners with 'The Delegation of the European Commission', the Syrian Ministry of Local Administration & Environment and the White Young Green (international multi-discipline consultant). The MAM's Head Office is composed by the: Project Management, Experts and Local Staff. So called 'Action Plans' are developed by specific teams and focus on the MAM's Pilot cities: Damascus, Old Damscus, Aleppo, Lattakia, Tartous, Homs Derzour, Palmyra.

Urban improvement

## THE DELEGATION OF THE EUROPEAN COMMISSION

Commission to the Syrian Arab Republic

was opened in 1979. As a diplomatic mission, it is responsible for managing official relations between Syria and the European Commission. The Head of Delegation is accredited to the President of the Republic, as the official representative of the European Commission, with the rank of Ambassador. The Delegation deals with five main fields: political issues and human rights, economics and trade, technical co-operation projects, information and culture.



Funding



source: MAM

#### Syria Ministry of Local Administration and Environment Municipal Administration Modernization Project (MAM)







A programme funded by the European Union Delegation of the European Commission





# **Qassioun** Urban Development Strategy and Improvement Plan

Prepared by: Mona Serageldin







October 2008

#### THE MAM REPORT Authors and project premises

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3 POPULATION ESTIMATES ... COMPILING DATA 4.3 Traffic Counts 5.2 Youth meetings GEOPHYSICAL STUDIES AND GEOTECHNIC ISSUES ENCOUNTERED DEVELOPMENT STRATEGY AND PLAN Proposed road network..... The selected pilot street... ENVIRONMENTAL IMPROVEMENT INITIATIVE. 8.1 Existing solid waste management system... 8.2 Environmental education in the schools .... Environmental improvement at the neighborhood level.... Environmental pilot project in the Shaykh Khaled Area.... KEY FEATURES OF THE WORK PLAN FOR PROJECT IMPLEMENTATION .....

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Qassioun Urban Development Strategy and In

2 URBAN EXPANSION....

Mona Seraveldin MAM Urhan Planning Expert

Qassioun Urban Development Strategy and Improvement Plan

October 2008

#### 1 INTRODUCTION

Mona Serageldin, MAM Urban Planning Expert

This study focuses on the part of the Qassioun mountain range that overlooks Damascus' civic and business center. It presents the plan for Qassioun developed following an extensive data gatheryon from the Damascus team and community meetings with extensive shad gatheryon the post of particular than the profile of the inhabitants. This information, which houses compiled for the first time, is in and of itself a valuable resource for the agencies involved in planning, management and development projects in Damascus.

- The lower part, which is connected to the main urban fabric through the historic quarter of Salihiya and the major street which is known by a succession of names along its alignment: Ibn al Nafees, Ibn Abidin, Nabulsi, etc; and the transportation
- aiong its aingiment: Inn ai Nairees, Inn Antoini, Nanuisi, etc; and the transportation nodes at Shamidin Square and Shura.

  The middle part, for which a regularization plan has been adopted but not implemented, and which includes a series of old cemeteries.

  The upper part above the cemeteries. This part was expropriated by the Governorate in 1975 when it consisted of a few large holdings, and is now densely settled informally by settlers who are legally considered to be squatters.

  The obsteam above the science lives a serious tronscriber and carrier for
- The plateau above the steep slopes has a strong topography and except for military zones and a few restaurants along the lower crest road it remains basically undeveloped.



na Seragoldin, MAM Urban Planning Expert

October 2008



Authors

#### MONA SERAGELDIN

Adjunct Professor of Urban Planning Harvard University Vice President Institute for International Urban Development

She has worked on projects sponsored by USAID, UNCHS/ HABITAT and various foundations all over the world.

Project premises

#### COMMUNITY PARTICIPATION The

Women's meetings pointed out to discuss the issues and problems encountered in everyday life in Kassyun. The youths were very enthusiastic and offered to collaborate with the project team so that it was possible to complete 124 short household surveys which gave the team insights into household size and composition.

But participation is actually limited.

SCHEDULE The programme was launched on august 2006 with a preliminary presentation to the Prime Minister, the Minister of Local Administration and the Environment and the Governor of Damascus city. Further meetings with the Syrian officials followed until the outcome of the report concluding with a public exhibit at the MAM head quarter.

MAM head quarter.

Public announcement The report however is not freely accessible for the public of Salihiye and held as a secret.

The phase of implementation is set up for 2010.

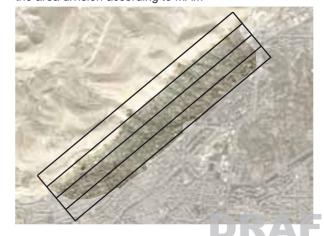
\$ COSTS has been prelimilary estimated to a total 516,200,000\$ partioned into to two phases of the implementation.

Financing policy

will be provided through the EU which is funding the project starting in 2010. The Syrian Goverenate is going to pay back the loan provided by the EIB and some parts of the planned project are suggested to be financed through investors and PPP (Public Private Partnership).

The Area

the area division according to MAM



**ETH Studio** I

#### THE MAM REPORT Image of 'informality'

Qassioun Urban Development Strategy and Improvement Plan

page 8

#### 4.1 Existing Conditions in Oassioun

The Qassioun informal settlement is characterized by steep slopes and dense settlement patterns, resulting in significant challenges to providing secess, utilities and public extracts to the site. These slopes are more pronounced in the upper sections of the settlement that are in some cases only accessible to pedestrians. While the lower section boasts a well-built housing stock and encompasses important historic and religious monuments and cemeteries, full use of these assets is limited by physical constraints that can be addressed and changed.

In the upper section, narrow streets, some of which are not linked to main roads, limit circulation and create bottlenecks, particularly in the higher elevations where the steep stopes result in danegeous intersections and sharp turns. The access roads are inadequate for emergency scholeds and some residents are found or range of transport service in case of disasters or accidents. In addition, bus service is currently tool limited leaving large areas without public transport. These locations are only serviced by unreliable and unlicensed private "suzuki" operators.

As in similar informal settlements, the site lacks adequate utilities. To its credit, the Governorate has extended water lines throughout the built up area except the unserviceable steeper slopes. Most houses are connected with the regular water and electricity networks and metered, although some lines, particularly the electric lines, run haphazardly across streets and along the facedes of buildings and can cause risks. The houses are also mostly connected to sewers, but these lines were put in by the settlers and connected via laterals to the main collector below. The only lines that are mapped are segments of the control of the service of the control of t

Stairs have been frequently constructed throughout the site to navigate its sharp inclines. However, these stairs have freely been finantianed and section in poor condition creating hazards for residents and detracting from the settlement's overall appearance. Moreover, wires and pipes frequently traverse stairs, leading to increased risks and the potential for damage to existing utility networks.

Public services, including health centers and schools, are particularly lacking in the upper part of Qassioun where accessibility is more difficult, and almost no community facilities have been constructed for the use of the residents. The elementary schools there are housed in rented old buildings that are in bad condition. They should be surveyed to ascertain their structural soundness. Safety services are also highly inadequate. There are no fire hydrants on the site and there is practically no patoniling by potice in the less accessible upper elevations. This has resulted in arrincrease of ascaults and robberies in

Mona Serageldin, MAM Urban Planning Expert

October 2008





INFORMALITY According to the report lacks of accesibility, providing utilities and public services sum up the major difficulties regarding the upper part of Mount Kassyun.

Are these problems a solely result of informality?

**ACCESS** In the report the access roads are denon accessible roads clared now as inadequate for emergency vehicles and some residents were out of range for transport service in case of disaster or accidents. In addition, bus service was considered as too limited leaving large areas without public transport.

> Nevertheless we noticed that the lacks of public transport are compromised through self initiative private transport companies which stretch out all over the Kassyun area. The inaccesibility of certain areas in case of emergency still point out a major lack which though can be solved.

pirating utilities

TILITIES According to the report the site of Kassyun lacks adequate utilities as similar as in other informal settlements.

But houses are connected to water piping, sewerage and electricity networks. Established by themselves or provided through the Govenerate.

site bounded public services

PUBLIC SERVICES The report stakes that public services, including health centers and schools, are particularly lacking in the upper part of Qassioun where accessibility is more difficult, and almost no community facilities have been constructed for the use of the residents.

The lower part as we have experienced is notably dense with medical centre, mosues and madrasas)

© ETH Studio I

## INFORMALITY Legislation

#### INFORMAL SETTLEMENTS

Reasons for the rapidly growing illegal/informal settlements consist of various interwining factors.

The still lasting rural depopulation is one of these factors. Further more the legislation of Syria in some way seven admits certain rights for the squatters.

The squatter's status of illegality is somehow just 'formal'.

- 1) There is an old tradition in Syria that no house can be torn down ever since the first ceiling was constructed. (CODE)
- 2) Even at a further extend the Administration should provide housing for people being expropriated (LAW)

CODE a decree which has been generally agreed on; a tradition that is hold on.

LAW a passed law which is obligatory. Nevertheless the right of expropriation is reglemented.

This is been reglemented through the Legislaive

#### DECREE/20/ OF 1983 EXPROPRIATION LAW:

Chapter (1)

Permissible Expropriation Cases

Article 2:

It shall be permissible for the ministries, administrations, public institutions, administrative bodies and public sector bodies to Expropriate built and non-built real estates, whether they are pure properties, endowment or weighted with endowment right properties, in order to implement their projects of public benefit stipulated in this Legislative Decree.

RAPID SETTLEMENT All theses facts bring the settlers to build as quickly as possible and to be able moving in at the earliest time. Some houses are completed within just a few days and people move in, although the concrete is still wet. Some houses in the beginning only consist out of one room with an entrance door. Windows are broken later into the walls and depending on the income situation more rooms are added during the following time.















#### INFORMAL SETTLEMENTS

The closeliness of living and working is especially for people of lower classes of big importance, since they usually cannot affort fare for public transport. Hence settlement usually takes place close to potential workplaces, nearby to commercial centers and markets.

Usually settlements take place on fallow land, such as small curtilages of a buildings, empty and ruinous buildings, mountainsides and spaces in the peripherie formally used for agriculture.

Dependent on the income rate of the settler it sometimes is possible to buy the land from an owner to build on. In other cases sites are just taken and occupied. Besides theses characteristics informal settlements consist of a certain homgenity. Mostly groups with a same origin, same family structure or religion settle down close to each other.

Concluding one could say that the informal is the turn around of the formal: the informals first occupy land, then start building, before getting infrastructure. At the end they get posessing rights on the site and increase the value of the site by investing in their personal housing fabric.

source: Kassioum, Eine spontane Siedlung in Damascus, TU Dresden, 2001

map: based on IFPO 2009

'Harat al Muhajadin' | planned by Nazim Pasa

(1895-1911)

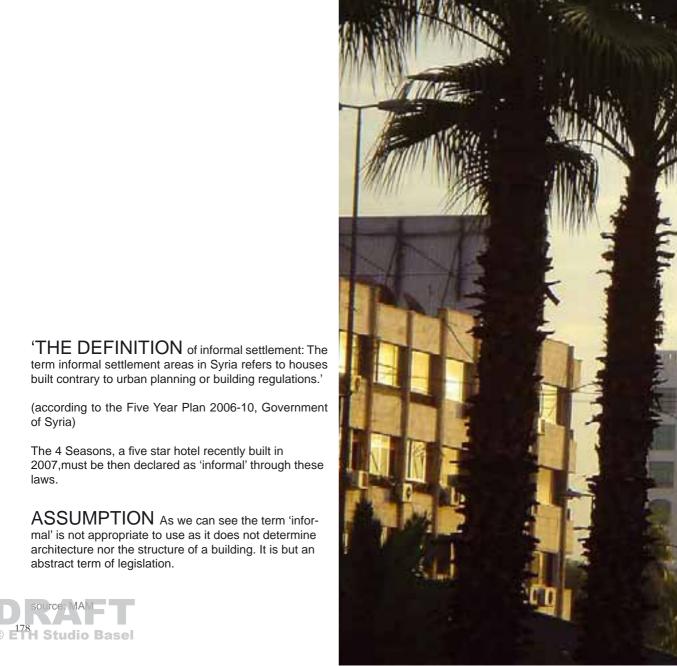
upper part above

the cememteries





## **INFORMALITY** Assumption

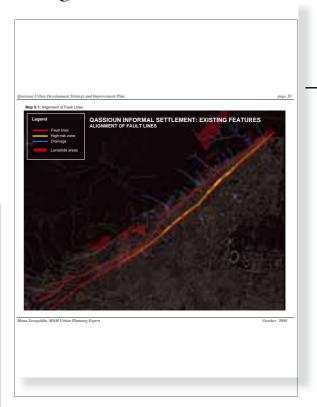






## THE MAM REPORT Image of 'danger'







 $\ensuremath{\mathsf{DANGER}}$  Due to the discovery of the two fault lines the area around was divided into several risk zones.

HIGH RISK ZONE As declared in the report uncontrolled settlement in high risk zone the high risk zone lies at the edge and the foot of the lower fault. Nevertheless uncontrolled settlement had already taken place here even inside the crack.

> FAULT LINES In the report the lower fault line was easily detected whereas the upper fault was not clearly identifiable. Since the built-up area had extended over the two fault lines, the dense fabric limited the use of the ground-penetrating georadar to a few locations, too few to give a good picture of hazards across the site. Still the upper fault was then mapped and deliniated.

necessity of geological investigations

### EXPROPRIATION

According to the report a line of expropriation has been set up and mirrors the continuancy of the lower fault line. Furthermore geophysicists stress that all open land on the high plateau and the selected relocation site should be geologically surveyed before any construction begins.



Jalal Msadi MAM Associate Damascus

associate

Legislation

> But, we have a legal problem here; acceding to law1570 year 1984(resettlement decree, part of your Q4 answer) resettlement can't happen on lands previously defined for city expansion. We are still trying to find a way out of that and to convince the Governorship that thin is the appropriate location.

> Law 20 is the appropriation law in Syria, but we understand that it will be modified soon, depending mainly on the equivalent Turkish law.



## GEOGRAPHIC SITUATION Damascus

"THE PRECISELY POINTED OUT ALIGNMENT IS TO BE QUES-TIONNED. YOU CANNOT ISO-LATE A FAULT LINE."

Dr. Donat Fäh Schweizerischer Erdbebendienst ETH Zürich



Expert

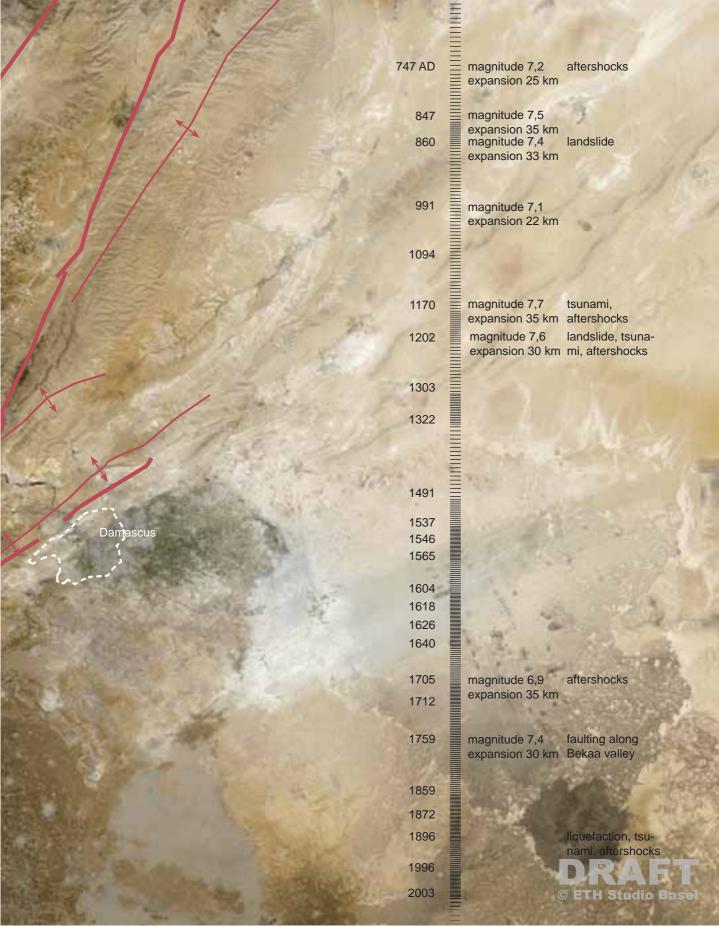
IN DAMASCUS It is expected that in a case of an earthquake most damage would happen in the flat plane and less on top of the mountain. Lifelines, such as gas- and water-pipelines as well as important electrical power cables, passing through the fault line need special constructions to accommodate for the displacements. Public buildings such as schools or hospitals should be built far from any recognized surface fault. Together with the importance to strictly follow the building code, this calls for special education for architects, structural engineers and urban planers.











# VISIBLE FAULT

After the Earthquake of 2003









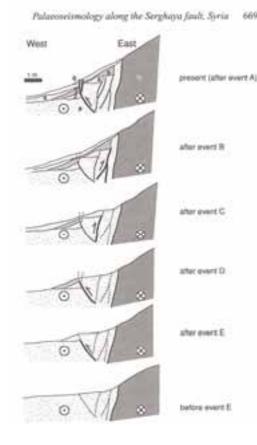


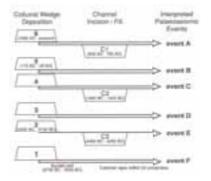
Dr. Donat Fäh Schweizerischer Erdbebendienst ETH Zürich

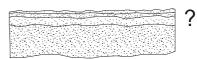


PRELIMINARY JUDGEMENT The exact location of a fault generally is difficult to be defined. This is due to the complexity of fault systems and the flower structure of an active fault close to the surface. Active seismic methods can be used to locate the different fault segments and sometimes allow to image the fault's geometry at depth down in the basement. The active parts of a fault system can be defined by locating small earthquakes through observations on dense seismic networks. MAM's approach to clear the risk zone from residential houses in order to save human lives might be good if really this part of the fault system will be active in a future earthquake. Nevertheless constructing such a wide road would make more sense only if it could be used as a runway and emergency road in case of an event. This would mean to plan the road so that it can be used after an earthquake, or to define a green space "over" the fault line and an accommodation street close by or at some other place. In order to define efficient mitigation strategies against possible earthquake impacts in the city, it would also be necessary to investigate the behavior of the soft sediments in the different areas of the lower of part of the city and to evaluate the stability of rock and soil slopes in the upper region, as well as to estimate the possible impact of soil liquefaction and

RESULT the planning of MAM is to be questioned. It has become public that the originally draft geologist quit his job for MAM in Salihiye.

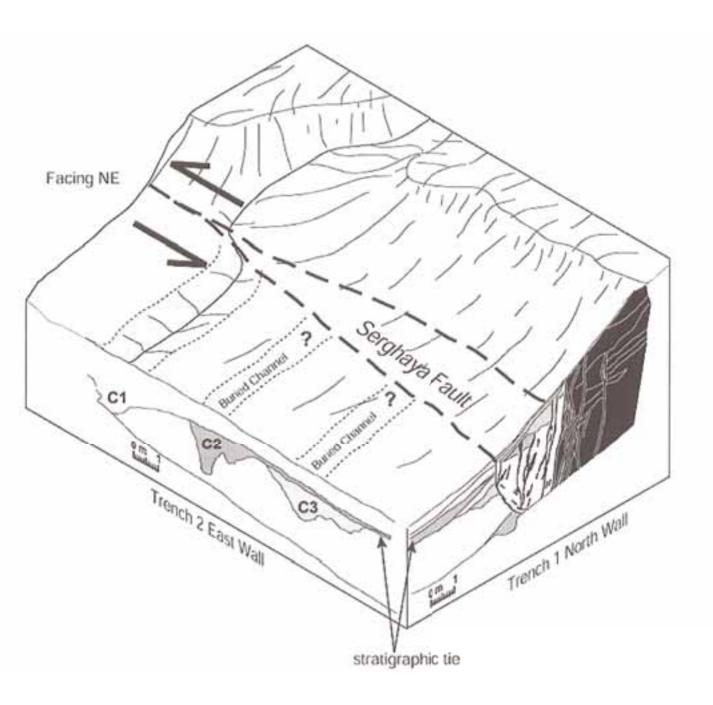


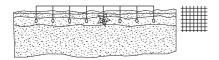


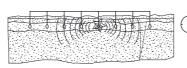


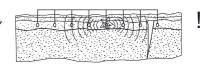
unknown terrain

landslides.









installation of the reactor and the sensors on a dense grid

posting the impulse and measuring the reception through time

evaluating the data and point localise the fault



# THE MAM REPORT Proposal overview

#### 7 DEVELOPMENT STRATEGY AND PLAN

- taken into consideration and assessed based on the scientific data provided by the 
  pists. These projects included two key components:

  As exclaves highway crossing the site with a right of way of 40 meters. This 
  project was included as part of the proposed circulation network albeit with a new 
  alignment and a reduced right of way.

  A courstic development above the Muhajirin regularization line. This project 
  was moved from the area between the two faults as was originally proposed to the 
  crest plateau because of the unsuitability of development in high risk zones. 
  Areas with minor secondary faults, unstable rocks or prone to landslides were also 
  avoided in delineating potential development sites on the stable plateau.

#### 7.1 Key components of the development strategy and plan

The development strategy provides a coherent framework for the development of an integrated plan for the whole site and more detailed plans for each of its constituent parts.

- 1. The historic area with monuments and lively markets has great potential as The historic area with monuments and lively markets has great potential as a oursitic and cultural zone attracting a wide range of foreign and domestic visitors. It is anchored by Shaykh Mohieddin Mosque and mausoleum, an important religious and cultural node in the city's social life. The urban fabric retains much of its original ayout but it is deteriorating. Some of the buildings have been altered or partially demolished. Quite apart from its historic and heritage value, the area encompasses markets particularly along the Souq El Jumaa Street. Dr. Abir Arkawi, professor of architecture at Damascus University and MAM Historic City Development Expert, assumed responsibility for the study of improvements along this important historic axis.
- 2. Lower Qassioun is a legally regularized area and has a standard regularization plan drawn up by the Governorate Planning Department construction. This leads to a pattern of jagged facades and skylines and discordant juxtapositions that complicate the treatment of public space. The development plan proposes a series of pilot projects focused on environmental issues, solid waste management and improvement to strategically located public spaces
- 3. Upper Qassioun encompasses the unregularized informal settlement. It is the part of the site that is crossed by the fault lines. Below the lower fault the settlement is geotechnically stable and can be regularized. The area in between the two faults is the most hazardous. Initiativants should be relocated starting with families in ral drainage channels must be stopped. The development plan proposes to use landscaped

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Qassioun Urban Development Strategy and Improvement Plan

public spaces as physical barriers to prevent further uncontrolled building construction. These spaces have the added advantage of providing badly needed amenities in the settlement

- 4. The high plateau is a geologically stable area overlooking the city. magnificent panorama and the access provided by the crest roads make it an ideal location for the development of touristic/commercial facilities and high end residential projects. The land is owned by the Governorate. A portion of the receipts from land sales to private developers are to be earmarked to substitute the he cost of resettlement of buseholds living in the luxarous zone. The mass plan of the potential development is included for illustrative purposes only. Private developers interested in the site will present their own proposals to the Governorate. It is assumed that the Governorate will be selling land parcels. If all areas exposed to minor hazards are avoided, the readily developable area is still substantial. Assuming 40% land coverage and a floro-area ratio of one, the site can accommodate no less than one million square meters of floor space. Judicious use of topography and landscaping can greatly enhance the environmental quality of proposed projects and foster creative designs.
- an integral component of the development plan. upgrade the street network and the public spaces as well as households currently upgrade the steet network and the public spaces as well as moderators currently living in structurally unsound buildings or on unserviceable slopes have to be relocated to a safe area. The Ma'araba site is the closest to Qassioun and within relatively easy access.

Qassioun Urban Development Strategy and In QASSIOUN INFORMAL SETTLEMENT: DEVELOPMENT STRATEGY

Mona Serageldin, MAM Urban Planning Exper



POSAL OVERVIEW The report's deproject's inclusions velopment strategy includes the improvement of the informal settlement, treatment of the area around the fault line, road network, ressettlement of households living in hazardous zones and more.

The historic area with monuments and monuments with potential lively markets has great potential as a touristic and cultural zone attracting a wide range of foreign and domestic visitors.

upgrading existing roads

INFRASTRUCTURE The MAM development plan proposes to upgrade existing roads and build new ones in order to form a coherent hierarchical transport network with three key components. (Main access street, tourism and commercial road)

cleaning the crack

LEISURE will be upgraded as Commercial Axis to enhance its potential to provide a variety of services to the stable middle class population living in the surrounding neighborhoods and to visitors.

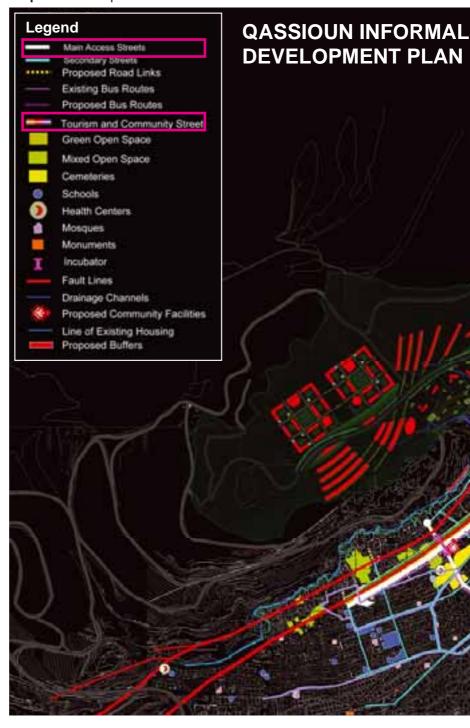
The elongated depression (Environmental Axis) is will be cleaned and planted and could encompass paved spaces as well as playgrounds.

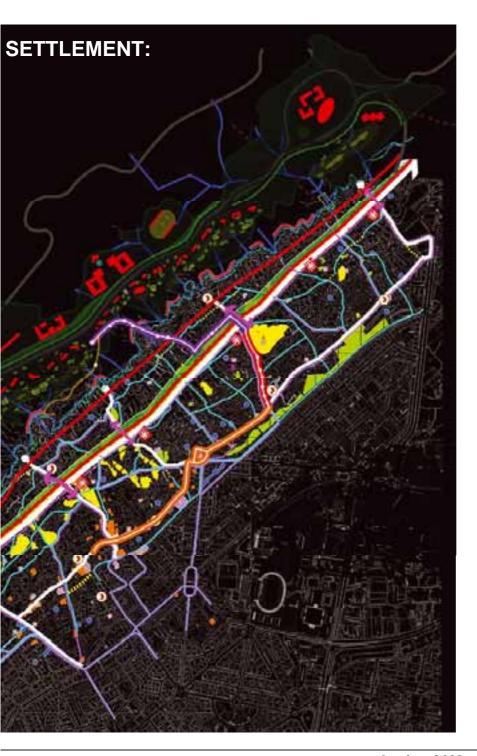
POLOGY A low-income development with low-income housing courtyards and environmentally sensitive are designated for the resettlement area.

> But this will provide housing for only 40% of the expropriated families.



Map 7.2: Development Plan





# THE MAM REPORT Traffic alternation and new urban nodes

Qassioun Urban Development Strategy and Improvement Plan

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Illustration 7.5: Perspective of proposed East-West connnector and adjacent green area.



Illustration 7.6: Section through main East-West connector: Street at-grade



Illustration 7.7: Section through main East-West connector: Street below-grade

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essential component for Damascus connector is considered an essential component in the Damascus city transport system and will also relieve the pressure on Qassioun's existing streets.

> This widened corridor will not only facilitate travel but will also allow for the positioning of fire stations, police stations and emergency health centers with ambulances, three services desperately needed in the settlement.

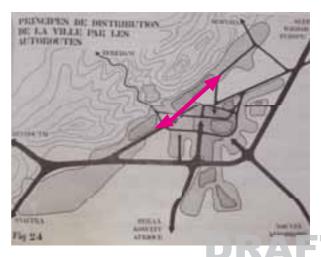
> The road will be separated from the edge of the fault by a 10 meter safety zone that will be landscaped to preclude future building. Excluding this safety zone, the total right of way for the new road will be 20 meters, and it will comprise fairly wide sidewalks, four lanes of traffic, a median strip and a parking lane on the side furthest from the fault.

bypass to relieve traffic situation

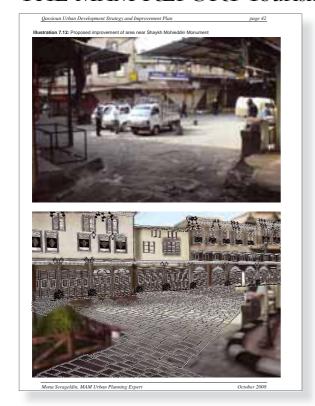
## TRAFFIC SITUATION IN THE CITY

A bypass to solve the traffic situation in Damascus? With more than 4 Million people living currently in the city, the plan by Eccochard, has become out of capacity as it was designed for a population of about 1-2 million people and nor was realized.

The East-West Connector would not only acommodate the enormous traffic amount, but furthermore have an impact on the whole concept of Ecochards visions for Damascus. With the planned new road, the municipality would establish a second bypass route. This might have the effect of the road becoming highly frequented and slicing Salihiye into two parts.



# THE MAM REPORT Tourism Axis





#### THE SELECTED PILOT STREET

crossing the urban fabric The study team selected a sequence of streets that together cross the different urban fabric typologies found in Kassyun.

#### CULTURAL/TOURISTIC AXIS

The plan proposes the special emphasis be placed on the improvement of the network of streets and spaces leading to important landmarks.

Dr. Abir Arkawi, Professor of Architecture at Damascus University and MAM Historic City Development Expert mapped the monuments, delineated the proposed touristic route, including a link to the street leading to Shaykh Khaled cemetery. Along the main axis special paving and improvements to street facades are proposed in order to control chaotic awnings and temporary structures obstructing the original street perspective and masking views of the monuments as shown in the following illustrations.

leisuring history

#### LEISURING HISTORY

commercialising history

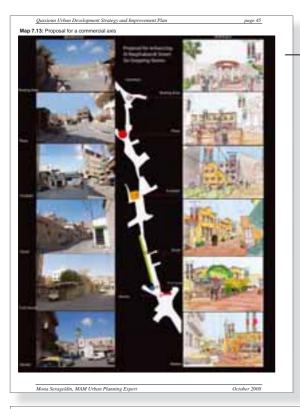
The tourism axis will be considering a new treatment with the cultural heritage.

Will it compete with the Old City? Is all this about commercialization of historic fabric?

For sure it will shift the awareness for cultural heritage in Salihiye and new economic possibilitites will be brought into the quarter. Selling the uniquness of the quarter and spotlighting the proper identities of Salihiye.



# THE MAM REPORT Commercial Axis







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#### THE SELECTED PILOT STREET

The commercial axis forms a part of the selected "pilot street" and goes along with environmental and touristic improvement.

THE COMMERCIAL AXIS This street lies within the middle class neighborhood that developed around the mausoleum. It is acquiring a commercial character which is emphasized in the improvement strategy. It will be upgraded to enhance its potential to provide a variety of services to the stable middle class population living in the surrounding neighborhoods and to visitors.

aproppriate identity The plan will focus on the sequence of six currently amorphous spaces with encroachments, mostly vending stalls, that not only hamper circulation by narrowing the right of way but also blight the area with their shoddy construction.

> The commercial axis will combine shops with sights. It and is about the treatment of the important but neglectecd public space. At the entrance of Shaykh Khaled cemetery.

#### incorporating stakeholders

In addition to the community, the involvement of the local merchants, the Committee on Tombs and Mausolea, and the Rokn al Din Municipality as key stakeholders together with Governorate and the Ministry, will give an impetus to the project and help sustain the momentum.

the historic mosque With small interventions public space shall become attractive for public use. Outside taking place attraction spots, commercial areas and public places for the role of meeting points are going to characterize the street.

> It is to question in which way this planned improvement will match with the contemporary life style found in Salihiye. Will it fit with tradition and habits of the quarter? What kind of impact will the changing have for excisting urban fabric?



# THE MAM REPORT Gentrification and new lifestyles

Qassioun Urban Development Strategy and Improvement Plan

#### 7.5 Resettlement of households living in hazardous zones and those affected by road improvements

An estimate of the number of households to be relocated was developed using the 2003 An estimate of the number of households to be relocated was developed using the 2003 aerial photos to count buildings (roofs) in the different risk areas as well as those affected by street improvements, the bulk of which is to free up the right of way for the East-West connector. There are 4.25 buildings affected. Assuming there are 2.5 households per building, about 10,600 families would eventually need to be resettled. However the urgency is to refocate the residents of 2,440 buildings that are located in the highest risk area along the main fault line. Under the same demographic assumption, a relocation site capable of a commodating 2406 families had to be secured as close as possible 10 assumed 10 buildings that are along the main fault line. Under the same demographic assumption, a relocation site capable of a commodating 2406 families had to be secured as close as possible 10 assumed 10 buildings that are along the secure of the different site in the Urban Extension Area on the Ma<sup>2</sup> arraha Road was selected. The ownership of the designated Extension Area has already been transferred to the Governorate.

It is imperative that a sustained public information and awareness program involving all the stakeholders be launched well ahead of the resettlement thingers created by the seismic and geotechnic hazards and why they have to most. They also have to know the importance placed on ensuring their safety and on providing them with the <u>Best relocation option (sasible</u> use of audiovisuals and models will help convey the messages in a clear and convincing manner.

	Highest Risk Zone	High Risk Zone	Displaced for upgrading purposes	Total
Buildings	1625	815	1816	4256
Households	4063	2038	4540	10640
Persons	28816	13451	29964	70224

The relocation site is very close to the Qassioun informal settlement, a situation that is beneficial for those who will have to move. It comprises 100 hectares of land with fairly strong topography. Constructing the houseless of the flue stollad, who will be displaced will provide an opportunity to introduce new housing typologies better suited to development on sites that have not been previously leveled.

The proposed plan relies on terracing, the creation of a green spine and well-articulated building arrangements to accommodate the required density in an environmentally sensitive manner suited to the topological features of the site. It avoids cuts that destabilize the rocks and provides for ecologically sensitive plantings to protect the natural rainwater drainage channels. The architectural design should integrate modular elements to keep costs low while also taking into account environmental sustainability and aesthetically pleasing facades and layouts. Neighborhood convenience shops and services are provided. Given the age structure of the population at least six elementary schools are needed. A secondary school could be inserted in the green spine which could include sports facilities and play fields.

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Qassioun Urban Development Strategy and Improvement Plan

Further extension of the site is anticipated in order to provide housing for those who will be relocated from less hazardous zones and households displaced to provide for the right of way of the main East-West connector.



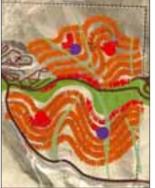




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Qassioun Urban Development Strategy and Improvement Plan





Qassioun Urban Development Strategy and Improvement Plan



Illustration 7.9:

Illustration 7.10: Attractive design for lower-income housing, Egypt







Illustration 7.11: Diversity in design for lower-income residents, Favela Bairro, Rio de Janeiro, Brazil.



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# RESETTLEMENT OF

#### HOUSEHOLDS

According to the report about 32,267 persons live in the high risk zone. They have to be relocated urgently as there is the risk of the active fault.

The relocation site "Maraba" comprises 100 hectars of land and has been chosen for its proximity to the Mount Kasyum area. The typological feature of Salihiye and its region shall be matched at the new site. Besides other aspects the proposed urban structure relies on terras-

We speculate that there is actually a gentrification process going on. This will have a huge impact on Salihiye, and theh resettled families.

gentrification = process of replacing a lower status population by a higher status population within one housing area



Jalal Msadi MAM associate Damascus

associate

Reasons for planning

- > MAM started the work in Maraba and proposed it as a relocation land, because MAM thought that the topography of the area is pretty similar to that in Qassioun, and also because it is very close to the whole. MAM has also proposed to link the 30 meters service street directly with Maraba expansion in order to provide a direct link.
- > The plan you can see in the report is only an illustration of a previous work that has been done by the Governorship for the area.

\$

policy

> We know that the EC may fund the TA of Qassioun project and not going to be included in the EIB loan.

Financing > EC is the European Commission in Syria, TA stands for technical assistance. The last will not be funded within the loan money, as the EC is going to offer Syrians a separate grant of another 5 million Euros to do all detailed studies. The Municipal Funds programme initiated by the EIB loan was signed as a protocol agreement only few days ago; it didn't include anything about Qassioun as it is designed to be a separate programme.

existing type / life

- > Syrian Government will be paying back the loan of course, and all the selected pilot projects within this programme are non profitable, and the interest rate will be around 2-3 percent, which can be supported by the EC in turn.
- > The initiation of the Municipal Funds Programme will take place next week, and Minister of Local Administration in Syria is making a visit to Brussels next week in that order.

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# THE MAM REPORT Talking to Mona Serageldin (author)

Qassioun Urban Development Strategy and Improvement Plan

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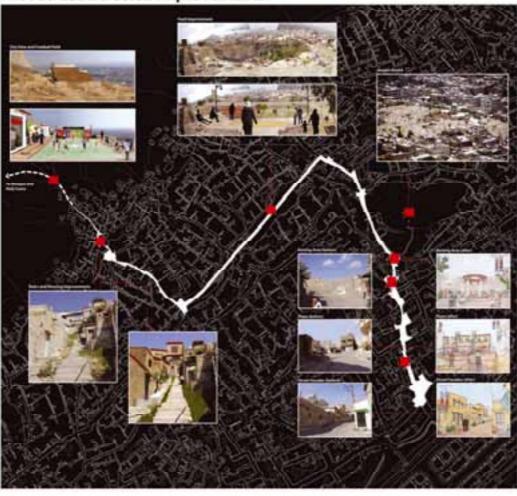
# SYRIAN MINISTRY OF LOCAL ADMINISTRATION AND ENVIRONMENT

Municipal Administration Modernisation Programme

Delegation of the European Commission

## **QASSIOUN INFORMAL SETTLEMENT DEVELOPMENT STRATEGY**

## Pilot Street: Selected Improvements



Erfan Ali, MAM Programme Clinici

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Mona Serageldin, MAM Urban Planning Expert

October 2008



#### MONA SERAGELDIN

Adjunct Professor of Urban Planning Harvard University Vice President

Author

Institute for International Urban Development

Dr. Serageldin has developed new approaches to project design and implementation that rely on capacity building methods through training and technical assistance. Actively involved in national and international conferences, her ongoing research and numerous publications have dealt with issues of urban strategies for economic development, strategic planning, public/private partnerships, small business development and micro-credit, and community-based approaches to housing and economic development.

exceptional project > This is not a normal upgrading project. There are very unique problems as the alignment of the fault line and the problem of people living on an active fault. Their safety is of highest priority to the project goals.

fundamental fault alignment > Without the correct alignment of the fault an improvement plan of the area can not be set. up . The geologists worked 8 months on this.

safety and accesibility

> Of major concern is to provide safety and infrastructure at Salihiye. Establishing access for emergency vehicles, upgrading public space and connecting Salihiye to Damascus through the proposed east-west highway, a plan which has been at stake for long time in city planning.

replacement area > In comparison latin america projects, people just are kicked out, here you have to find a replacement area

religious tourism > The actual tourism axis will attract pilgrams who normally go to Umayyad Mosque. Casual tourists however will not come.

no value > The Old City, while having similar problems of accessibility cannot be touched in the same way, since it belongs to the UNESCO world heritage.

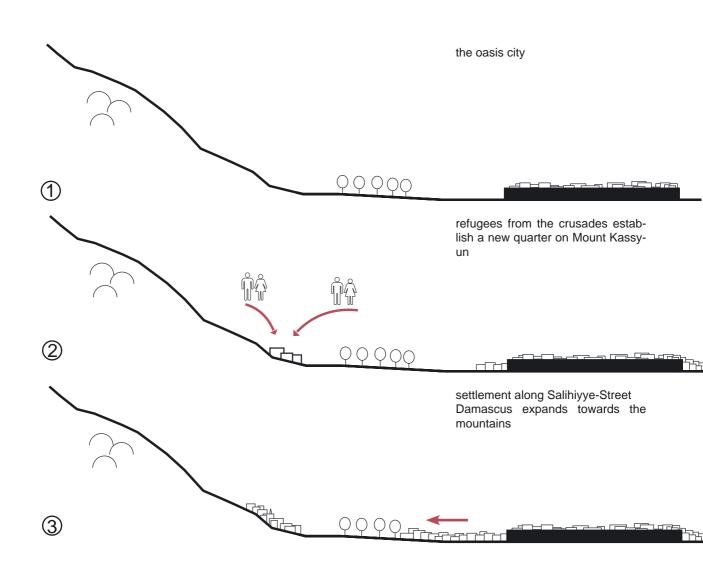
## 'THE URBAN FABRIC OF SALHIYE HOWEVER HAS NO CULTURAL VALUE EXCEPT FOR SOME MAU-SOLEA.'

financial doubts > The only excisting doubts for putting this planning on ground is financial. The project is supposed to be implamented in consecutive phases for financing step by step for further development.

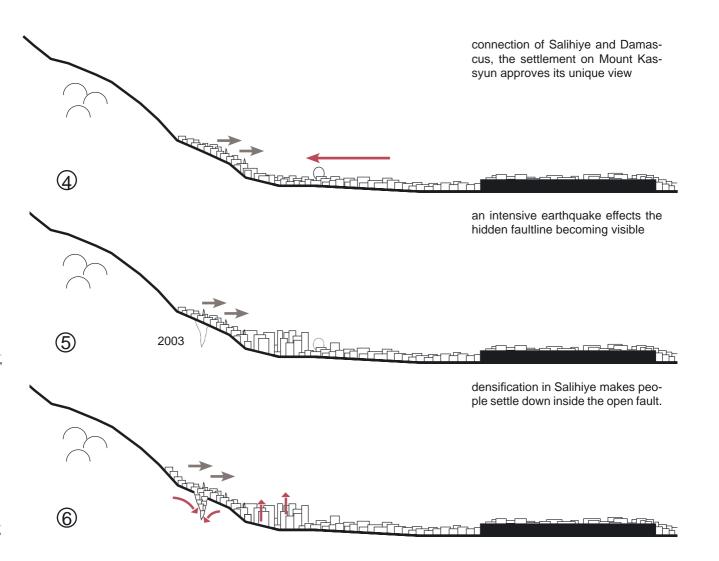
outcome > The outcome of the report is over all satisfying, since it is a determination of all fundamental issues of the improvement of Salihiye.

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# SALIHIYE Historic and assumed future development

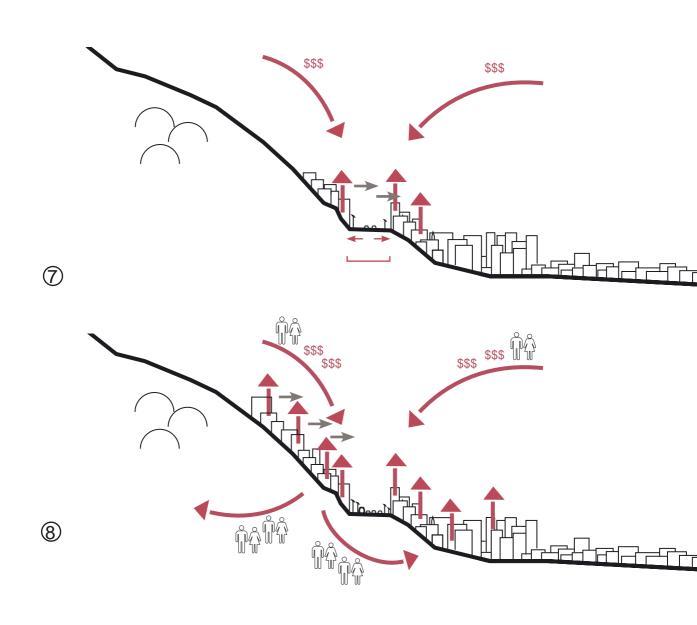








# SALIHIYE Historic and assumed future development







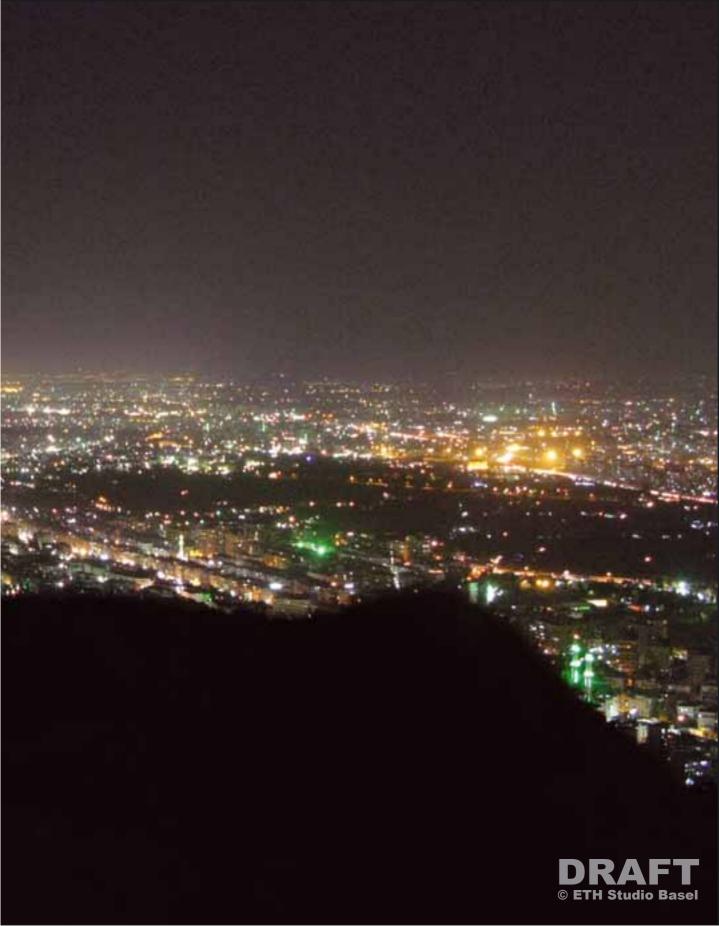
The 50 million \$ EIB loan, given to the Syrian government, will allow building the wide street.



Within time, especially in accordance to the intended commercial and tourism axis, it is to assume that the usually planned upgrading for safety reasons, will also cause in enormous increase of real estate prices and a gentrification will come up.

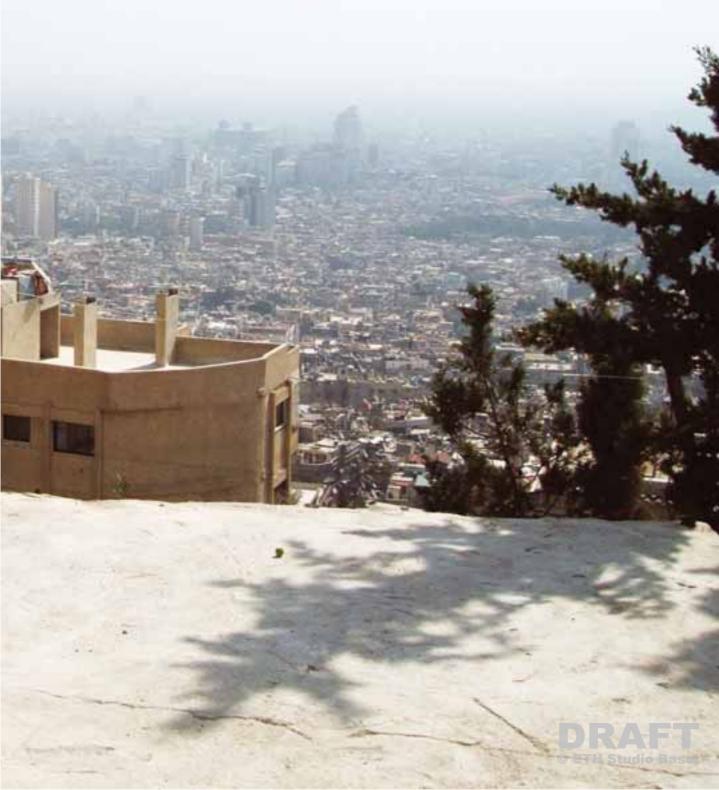








# WHO WILL GET THE OUTSIDE LIVING ROOM?





# Appendix

216 Sources Image credits Acknowledgements



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