



Famagusta Data: Supplements for the City's Commons 01 December 2015

# Hands -on Famagusta

<http://www.handsonfamagusta.org>

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More information about the project can be found at:  
<https://www.facebook.com/handsonfamagusta>  
<http://mahallae.org/challenge-idea/hands-famagusta>

# About the Project

Hands-on Famagusta project is devoted to visualizing a common urban future for a unified Famagusta, thus paving the way for future collaboration and further cohabitations in a post-conflict Cyprus. The project uses participatory urban design processes to facilitate dialogue about the future of Famagusta. The project contributes to the construction of a common ground between groups in conflict and supports the planning of contemporary urban environments. It is based on the on-going work by the Laboratory of Urbanism, University of Cyprus (LU<sup>2</sup>CY), Imaginary Famagusta (I.F.), and AA & U For Architecture, Art and Urbanism.

The focus of Hands-on Famagusta is to empower Cypriot civil society regarding urban transformation processes for a unified Famagusta. As such, it has produced several major tools to facilitate the ongoing public debate:

- (1) a trilingual interactive webplatform that invites users to explore controversial matters for visions about a unified Famagusta
- (2) debate platforms that have included a series of workshops, consultation meetings and public presentations since June 2014;
- (3) a mobile physical model of the city in its entirety which will assist Famagustians and others to visualize the city as a whole rather than fragmented territories based on ethnic division;
- (4) a publication that brings together the project activities with their theoretical and methodological underpinnings;
- (5) a survey of Greek Cypriot and Turkish Cypriot Famagustians based on personal interviews conducted on both sides of the divide (by Nektarios Christodoulou\_ LU2CY).

***This is the first Data supplement that the Hands-on Famagusta Team is releasing about building stock, infrastructures and ecological areas. In addition, “What if” questions feed the public debate with new possibilities in regards to processes of reconstruction and the use of the data.***

# Terms and Conditions



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# Famagusta today: Five Processes of Enclave Becoming Conditions

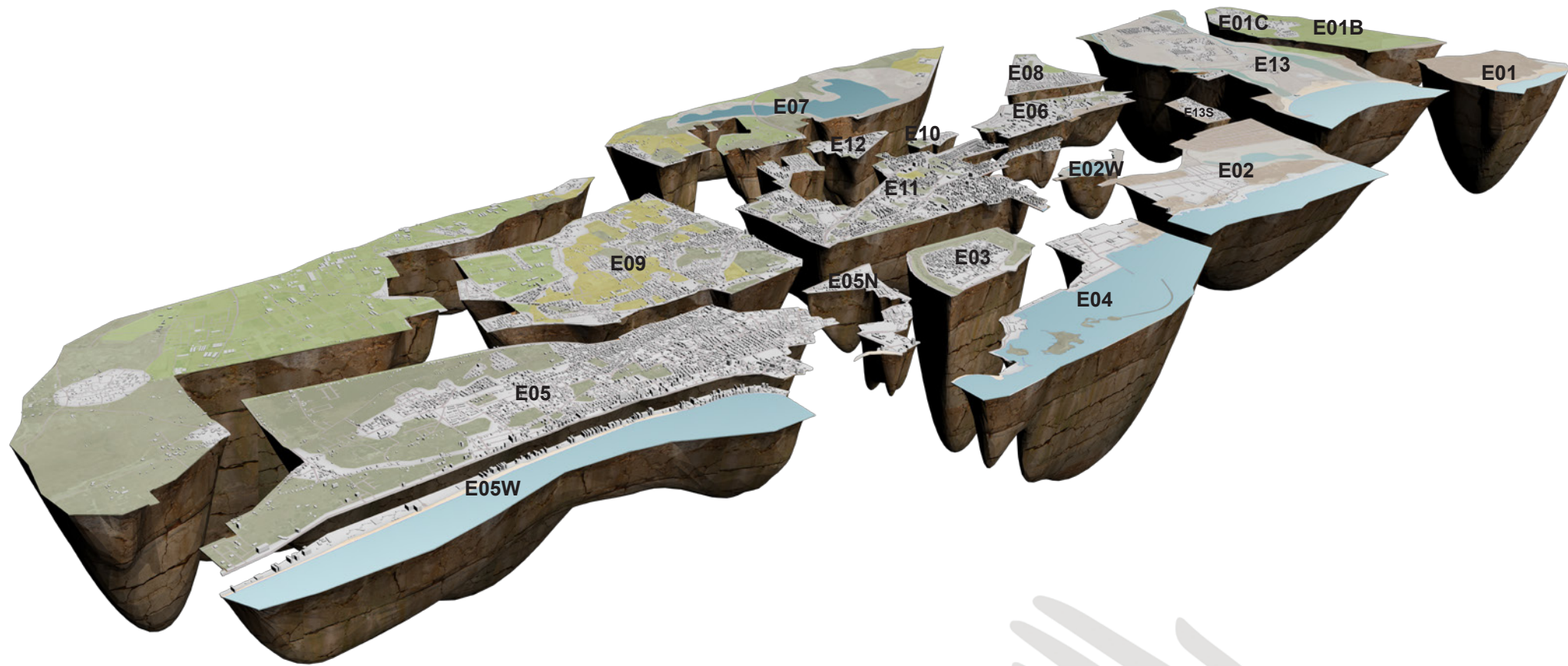


Figure 1.: Enclaved Famagusta

Enclave Number	E01	E01B	E02	E03	E04	E05	E05W	EO5N *	E06	E07	E08	E09	E10	E11 *	E12	E13
Enclave Name	Archaeological Heritage Site of Salamis, Forest and Low Lands	Archaeological Heritage Site of Engomi and Low Lands	Military Zone Ecological Zone	Cultural and Archaeological Heritage Site of Famagusta Old Town	Famagusta Port Zone	Fenced-off area of Varosha Commercial and Residential Zone	Fenced-off Area of Varosha Coastline	City Administrative Center	University Campus	Limni Lake, Fresh Water Lake and Forest Ecological Zone	Industrial Zone	Kato Varoshia	UN Military Camp	Residential and Commercial Neighborhoods	Light Industrial Zone	Rivers' Delta Ecological Zone
Five Processes of Enclave Becoming Conditions	3. Cultural Heritage Protection	3. Cultural Heritage Protection	1. Warfare and Military Control of Territory	3. Cultural Heritage Protection	2. Mono - functional Areas (zoning)	1. Warfare and Military Control of Territory	1. Warfare and Military Control of Territory	Non enclaved area	2. Mono - functional Areas (zoning)	5. Internalized Natural Elements	2. Mono - functional Areas (zoning)	4. Ambiguous situation, that has caused decreased maintenance and degradation since it is considered by the Turkish Cypriots, to be a high risk investment area	1. Warfare and Military Control of Territory	Non enclaved area	2. Mono - functional Areas (zoning)	5. Internalized Natural Elements

\* E11 and E05N are the only non enclaved areas of the city

# Shared Infrastructures

What if infrastructures that are segregated in contested spaces, could be shared by all Famagustians: public buildings and an urban center, public transport and water, electricity, sewage, and garbage networks?

Take a position whether a future Famagusta could promote sharing or further segregation between ethnic or social groups.



Figure 2. : Buildings of four floors and higher, plus those situated in unstable soils

*What if issues of earthquake resistance became a common concern for all Famagustians?*

*Then, give extra attention to buildings of four floors and higher, plus those situated in unstable soils*

*Then, keep any cultural heritage building at all costs.*

*Then, keep any important Modernist architecture building at all costs.*

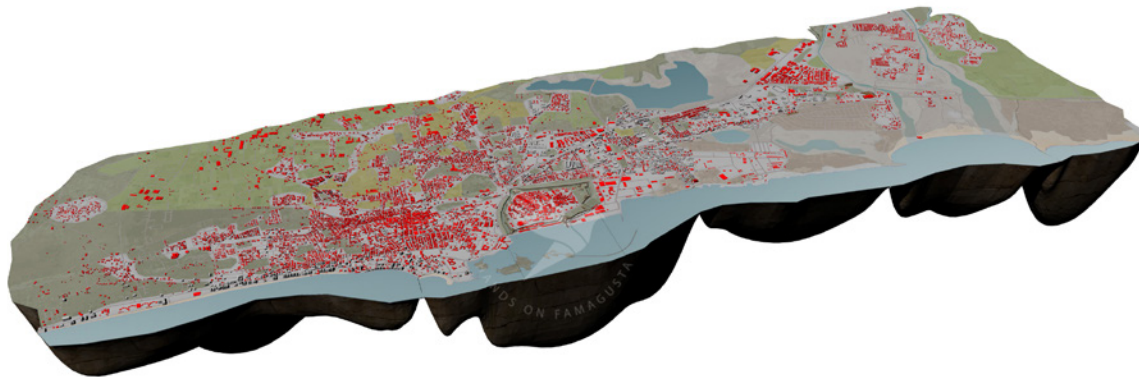


Figure 3. : 1-2 Storeys Buildings

*What if the method of reconstruction influences Famagustians memories regarding the buildings in their environment?*

*Then, create policies to encourage cooperatives between property owners instead of inviting large scale development companies*

*Then, establish incentives for acquiring claiming public spaces from private property owners*

Enclave Number and Name		Building Stock					Roads
		1-2 storeys	3-4 storeys	5-13 storeys	Total No.of Buildings	Total Area	Total Length of Roads
E01	Archaeological Heritage Site of Salamis, Forest and Low Lands	8	0	0	8	27520 m <sup>2</sup> Total Covered Area (Footprint) 27520 m <sup>2</sup> Total built Area (all Floors)	1 KM
E01B + E01C	Archaeological Heritage Site of Engomi and Low Lands	201	5	0	206	27470 m <sup>2</sup> Total Covered Area (Footprint) 53910 m <sup>2</sup> Total built Area (all Floors)	10 KM
E02	Military Zone Ecological Zone	103	0	0	103	39120 m <sup>2</sup> Total Covered Area (Footprint) 39120 m <sup>2</sup> Total built Area (all Floors)	22 KM
E03	Cultural and Archaeological Heritage Site of Famagusta Old Town	886	7	0	893	119330 m <sup>2</sup> Total Covered Area (Footprint) 182315 m <sup>2</sup> Total built Area (all Floors)	15 KM
E04	Famagusta Port Zone	111	3	0	114	97730 m <sup>2</sup> Total Covered Area (Footprint) 106110 m <sup>2</sup> Total built Area (all Floors)	5KM
E05	Fenced-off area of Varosha Commercial and Residential Zone	4501	232	42	4775	621775 m <sup>2</sup> Total Covered Area (Footprint) 1008660 m <sup>2</sup> Total built Area (all Floors)	63KM
E05W	Fenced-off Area of Varosha Coastline	183	40	105	328	94370 m <sup>2</sup> Total Covered Area (Footprint) 460940 m <sup>2</sup> Total built Area (all Floors)	5 KM
E05N	Administrative Center	240	13	12	265	66510 m <sup>2</sup> Total Covered Area (Footprint) 131815 m <sup>2</sup> Total built Area (all Floors)	9 KM



## Shared Infrastructures

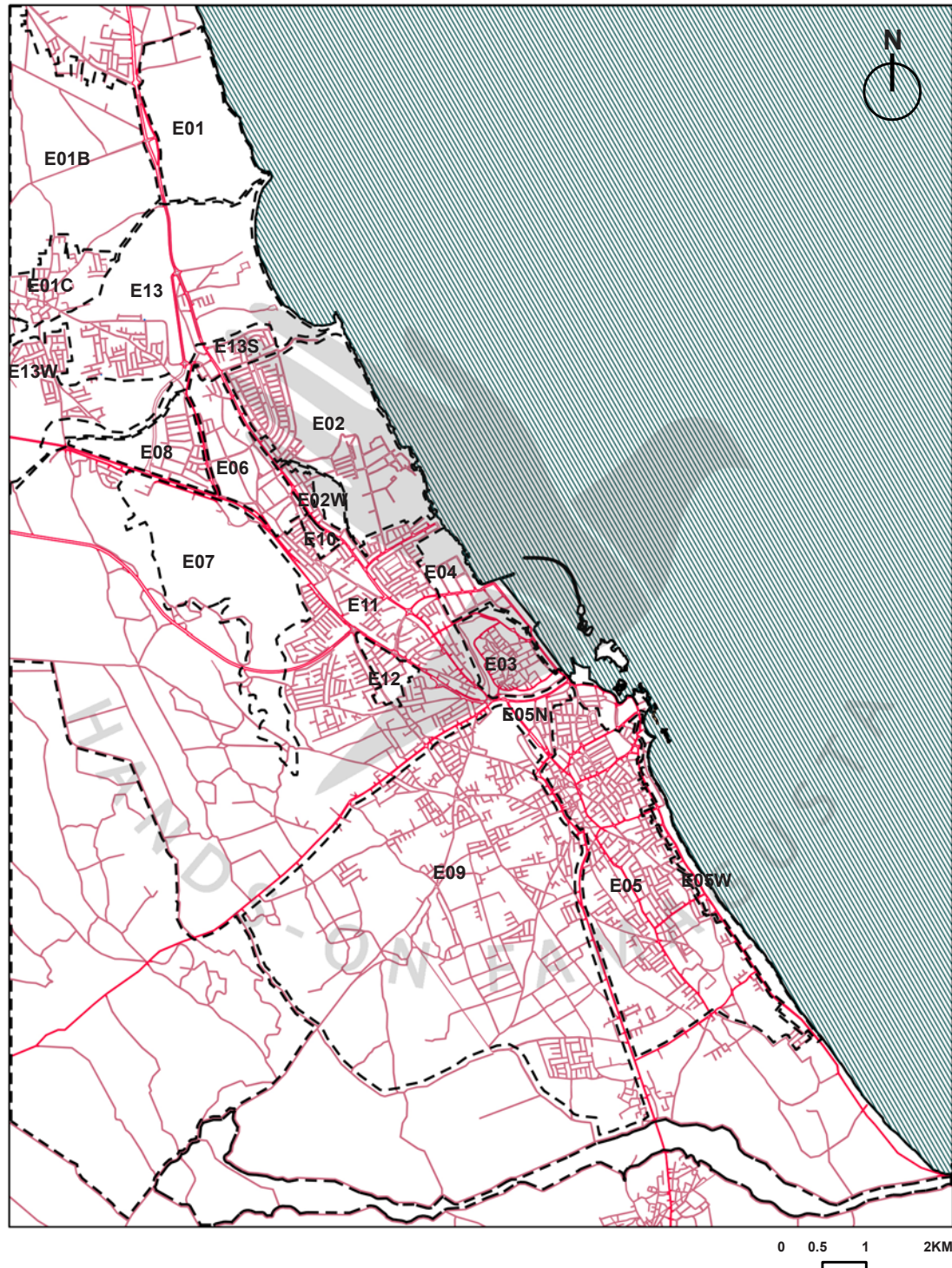


Figure 4 : Road Networks

Enclave Number and Name		Building Stock					Roads
		1-2 storeys	3-4 storeys	5-13 storeys	Total No. of Buildings	Total Area	
E06	University Campus	157 Buildings	40 Buildings	14 Buildings	211 Buildings	88215 m <sup>2</sup> Total Covered Area (Footprint) 230120 m <sup>2</sup> Total built Area (all Floors)	10 KM
E07	Limni Lake, Fresh Water Lake and Forest Ecological Zone	11 Buildings	6 Buildings	0 Buildings	17 Buildings	15720 m <sup>2</sup> Total Covered Area (Footprint) 28885 m <sup>2</sup> Total built Area (all Floors)	6 KM
E08	Industrial Zone	348 Buildings	13 Buildings	0 Buildings	361 Buildings	143210 m <sup>2</sup> Total Covered Area (Footprint) 200895 m <sup>2</sup> Total built Area (all Floors)	6 KM
E09	Kato Varoshia	3702 Buildings	97 Buildings	8 Buildings	3807 Buildings	676580 m <sup>2</sup> Total Covered Area (Footprint) 855250 m <sup>2</sup> Total built Area (all Floors)	100 KM
E10	UN Military Camp	44 Buildings	8 Buildings	0 Buildings	52 Buildings	9630 m <sup>2</sup> Total Covered Area (Footprint) 12830 m <sup>2</sup> Total built Area (all Floors)	1.5 KM
E11	Residential and Commercial Neighborhoods	1916 Buildings	893 Buildings	333 Buildings	3142 Buildings	516140 m <sup>2</sup> Total Covered Area (Footprint) 1490980 m <sup>2</sup> Total built Area (all Floors)	98 KM
E12	Light Industrial Zone	120 Buildings	15 Buildings	2 Buildings	137 Buildings	53115 m <sup>2</sup> Total Covered Area (Footprint) 84700 m <sup>2</sup> Total built Area (all Floors)	3 KM
E13 + E13W + E13S	Rivers' Delta Ecological Zone	813 Buildings	32 Buildings	0 Buildings	845 Buildings	124760 m <sup>2</sup> Total Covered Area (Footprint) 253375 m <sup>2</sup> Total built Area (all Floors)	47.5 KM



# Shared Infrastructures



Figure 5. : Vacant Building Stock

Enclave Number and Name		Vacancies	
		No.of Buildings	Total Area
E01	Archaeological Heritage Site of Salamis, Forest and Low Lands	-	-
E01B + E01C	Archaeological Heritage Site of Engomi and Low Lands	10 Buildings	1930 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E02	Military Zone Ecological Zone	-	-
E03	Cultural and Archaeological Heritage Site of Famagusta Old Town	197 Buildings	43850 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E04	Famagusta Port Zone	1 Buildings	240 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E05	Fenced-off area of Varosha Commercial and Residential Zone	4775 Buildings	1008660 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E05W	Fenced-off Area of Varosha Coastline	328 Buildings	460940 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E05N	Administrative Center	36 Buildings	31685 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E06	University Campus	15 Buildings	5287 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E07	Limni Lake, Fresh Water Lake and Forest Ecological Zone	-	-
E08	Industrial Zone	65 Buildings	27290 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E09	Kato Varoshia	315 Buildings	55000 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E10	UN Military Camp	1 Buildings	135 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E11	Residential and Commercial Neighborhoods	149 Buildings	70220 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E12	Light Industrial Zone	31 Buildings	12410 m <sup>2</sup> Total Vacancy of Built Area (all Floors)
E13 + E13W	Rivers' Delta Ecological Zone	15 Buildings	4270 m <sup>2</sup> Total Vacancy of Built Area (all Floors)

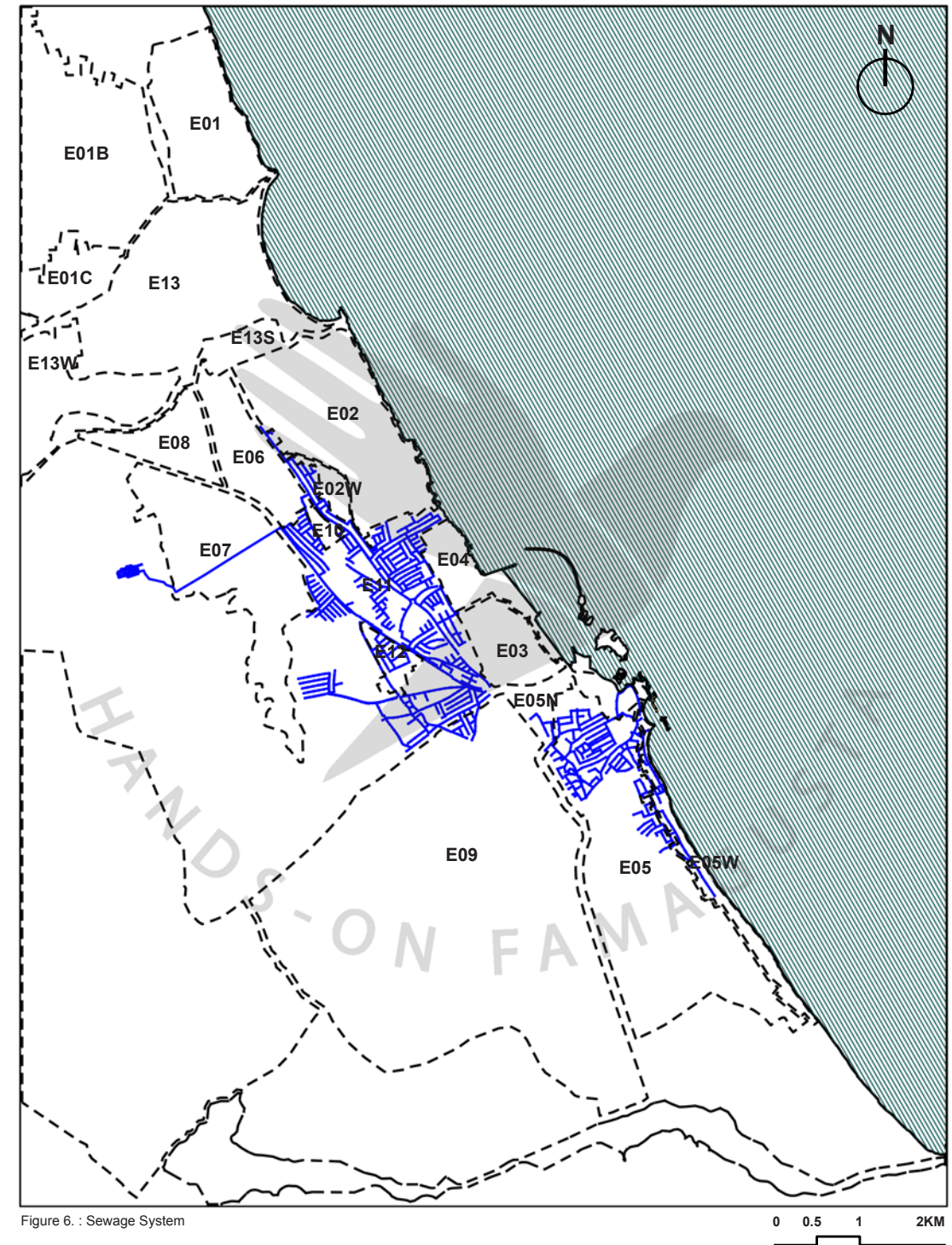


Figure 6. : Sewage System

## Sewage System Total Length

For enclaves E05 + E05W + E05N = 20 KM  
For enclaves E07 + E09 + E11 + E12 = 55 KM



# Wide Public Waterfront

What if the actual, extremely fragmented waterfront of Famagusta could be reconnected by public activities and serve as one of the backbones of a unified Famagusta?

Visualize ways to connect an isolated city back to its coastline by transforming militarized zones, privatized coastal developments and a commercial port.

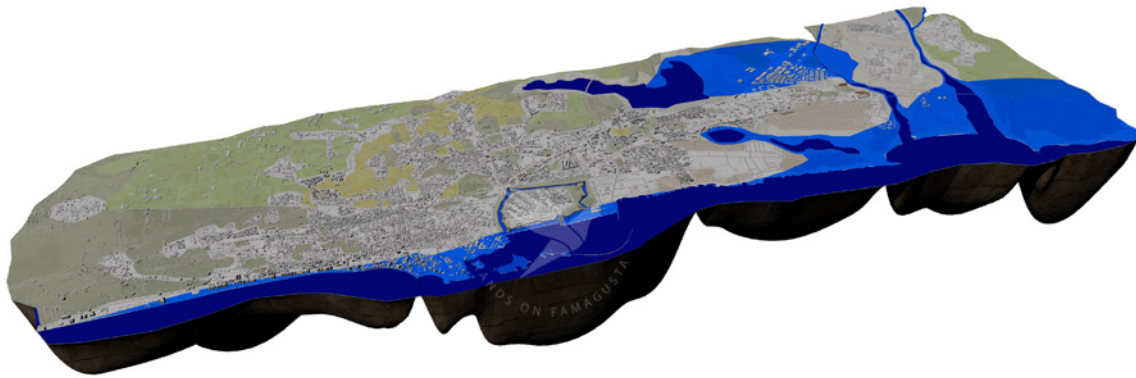


Figure 7. : Sea Rise Level: + 2.5 meters

*What if global warming and rising sea levels become a common concern for Famagustians?*

*Then, we could study a possible sea level rise of 2.5 meters and its consequences on Famagusta.*

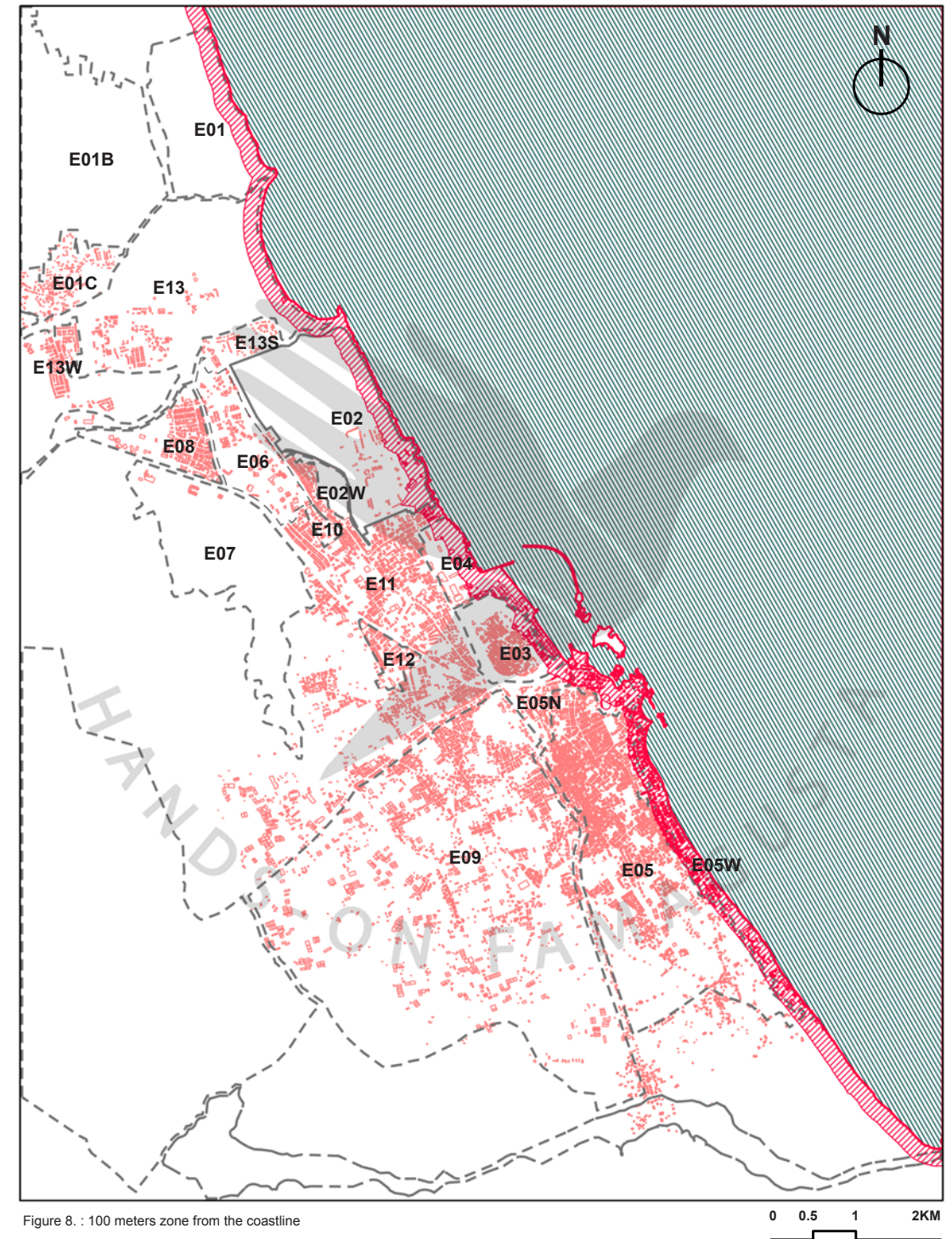


Figure 8. : 100 meters zone from the coastline

## Building Stock in 100 meters zone from the coastline

For enclaves E01 + E013 + E02 + E11 + E04 + E03 + E05N + E05 + E05W = 1648 Buildings



# Eco-culture as Common Ground

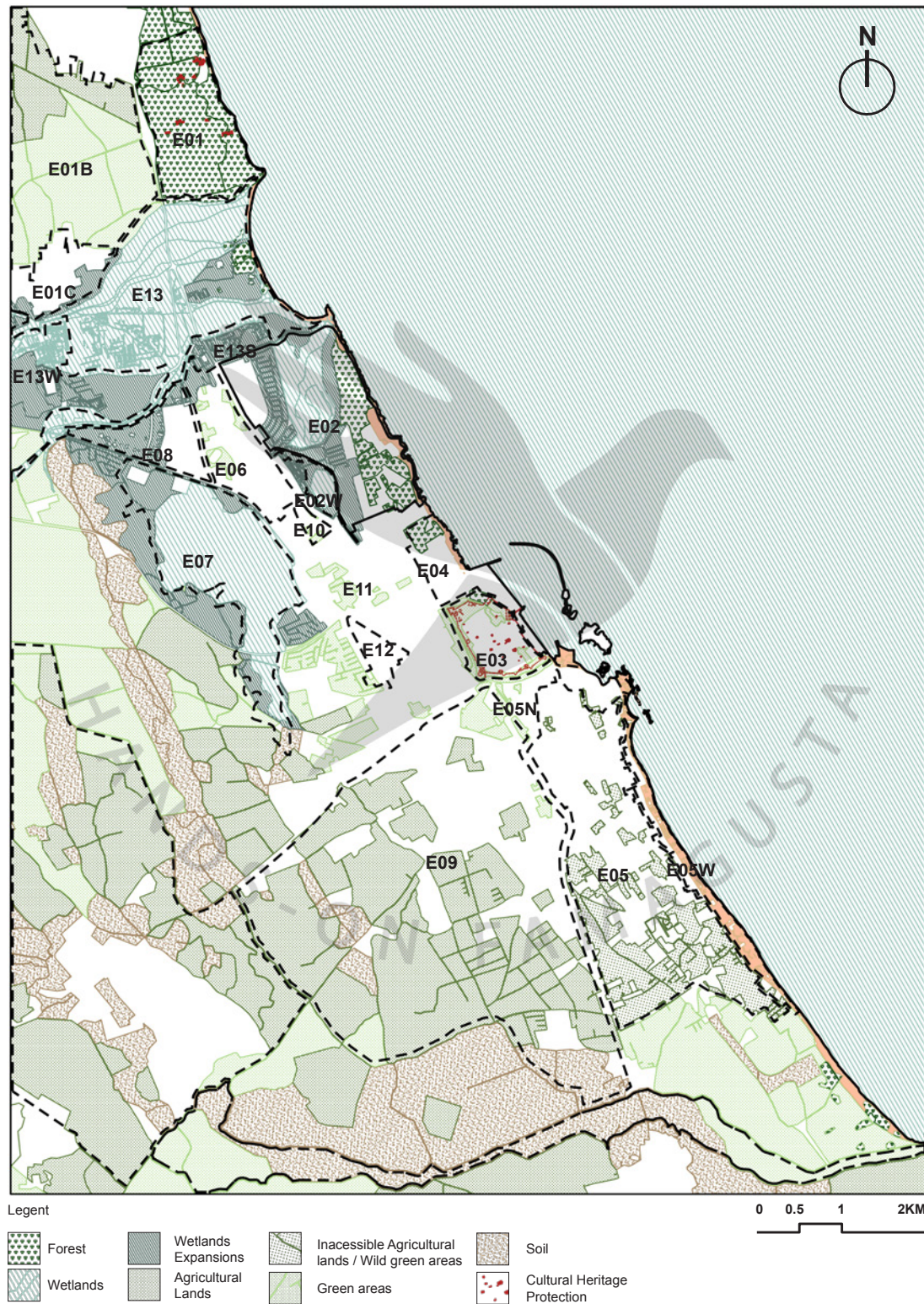


Figure 9 : Eco-cultural Areas

Enclave		Ecocultural Areas					
		Forest	Wetlands	Agricultural lands	Inaccessible Agricultural lands / Wild green areas	Green areas	Soil
E01	Archaeological Heritage Site of Salamis, Forest and Low Lands	1728255 m <sup>2</sup>					
E01B + E01C	Archaeological Heritage Site and Engomi and Low Lands		155205 m <sup>2</sup>	1088075 m <sup>2</sup>		2419485 m <sup>2</sup>	
E02	Military Zone Ecological Zone	551540 m <sup>2</sup>	1688590 m <sup>2</sup>				
E03	Cultural and Archaeological Heritage Site of Famagusta Old Town	28040 m <sup>2</sup>				291010 m <sup>2</sup>	
E04	Famagusta Port Zone	92080 m <sup>2</sup>					
E05	Fenced-off area of Varosha Commercial and Residential Zone				1991680 m <sup>2</sup>		
E05W	Fenced-off Area of Varosha Coastline				26935 m <sup>2</sup>		
E05N	Administrative Center					43415 m <sup>2</sup>	



# Eco-culture as Common Ground

What if the actual devaluated ecological and cultural sites of Famagusta could play a central role for a future unified city?

Choose alternatives to the actual Cypriot urban development model that urbanizes such sites, ignoring their rich assets for the city



Figure 10. : "Platforms of Coexistence" , E.Kapakidou, L. Scharf, S.Charitou, G.Syranides, LU2CY 2014

What if the 40 year old rich natural life in fenced-off area of Varosha becomes an asset rather than an obstacle to Famagusta's rebuilding?

Then, map and evaluate the actual vegetation from the very beginning of the rebuilding process.



Figure 11. : Next-Famagusta, G.Kallis, LU2CY, Diploma Thesis

Then, change the actual urban regulations about streets and buildings to incorporate the found vegetation.

Enclave		Ecocultural Areas					
		Forest	Wetlands	Agricultural lands	Inaccessible Agricultural lands / Wild green areas	Green areas	Soil
E06	University Campus		81745 m <sup>2</sup>			75285 m <sup>2</sup>	
E07	Limni Lake, Fresh Water Lake and Forest Ecological Zone		2493835 m <sup>2</sup>	7875 m <sup>2</sup>		18892 m <sup>2</sup>	31730 m <sup>2</sup>
E08	Industrial Zone		358030 m <sup>2</sup>				
E09	Kato Varosha			7128190 m <sup>2</sup>		466980 m <sup>2</sup>	919079 m <sup>2</sup>
E10	UN Military Camp					18900 m <sup>2</sup>	
E11	Residential and Commercial Neighborhoods		85600 m <sup>2</sup>			78500 m <sup>2</sup>	
E12	Light Industrial Zone					1210 m <sup>2</sup>	
E13 + 13W + E13S	Rivers' Delta Ecological Zone	93425 m <sup>2</sup>	4524070 m <sup>2</sup>			150970 m <sup>2</sup>	6570 m <sup>2</sup>





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