DESIGNING CITIES OF THE WORLD 2019 URBAN AND ENVIRONMENTAL DESIGN STUDIO 1.2

POLITECNICO DI MILANO SEDE DI PIACENZA

FUNCTIONAL PROGRAM

The main issue in this project is integration: physical integration of the area in its environment, and social integration of the migrants who will establish here temporarily or permanently. To vehicle the integration of this nowadays somehow isolated piece of town and of very diverse groups of people who have in common that they are strangers at the place, a mixed-use program is proposed.

The majority of migrants that come to Spain from outside Europe and in poverty conditions arrive from Africa, mostly crossing illegally to the Canary Islands, through the Straight of Gibraltar, or jumping the wall that surrounds the Spanish colonial towns in Morocco. Behind many of them is a long voyage through several African countries (often "sponsored" by their families or their origin villages). Human-smuggle organizations have taken all their money. Usually they arrive in bad health conditions, but as most of them are young they recover relatively quickly. As for many the goal is Europe without distinctions, they decide to stay in Spain. The majority are male singles, whose original aim is to stay for some years earning money and then go back to their home countries. In Spain we find much more economical than political immigrants. A specific collective are the (male) teenagers, that arrive without identification to stay as long as possible: until they are eighteen they can not be expelled and Spanish Social Services have to take care of them.

Economical immigrants who enter Spain legally compose the other big group. They come mostly from South America and Morocco. Within them you find much more couples or families. Or if coming alone, their goal is to bring their acquaintance later on. From South America come more women than men, while from Morocco, if not families, men alone. The first pursue social jobs, the second jobs in agriculture and industry. Immigrants coming from Asia (Pakistanis: men+families, Chinese: families, Philippines: women) are also within this collective.

The site is meant to provide a first shelter for immigrants; to host them while they get their residence permit, while they search for employment.

There they shall get help to know the basics of the local way of living, to adapt to other logics and routines, to learn the language(s). From the very beginning they shall get the chance (and the obligation) to have regular and steady contact with the locals.

To do so several vehicles are proposed. Working together will tie human relations and restore self-esteem. Children schooling is a first step to integration. And sharing celebrations and other (leisure) occupations for sure will also help.

The common activities will work in both directions: Immigrants will become familiar with the local customs, and locals will learn about other ways of doing, being trained in open mindedness and tolerance. Different spaces to host these activities have to be developed: "camp" administration and social centre, orchards and canteen, language school and kindergarten, nursery and primary school, retail shops and co-working centre, Art-Artisan production centre and fab-lab, international library and ecumenical church. The aim is that the specificity of the area works as a magnet within town. The canteen is not only to provide the migrants food, but also to permit them and the local neighbours to offer self-cooked dishes that use the orchard production to the rest of town. The kindergarten does not only mix the children, but also the teachers: it is a way to integrate mostly female immigrants, who usually are more familiar with social tasks and by collaborating gain respect and visibility. Shops are thought both as places to buy and to sell; open spaces should encourage shared leisure, for example sport activities, etc. etc.

While these facilities will have a medium term life, housing will undergo stronger changes. The residential proposal should contain the possibility and potentiality of adaptation and development. The request is not a transit camp, but the project of an area where the new arrivals, under certain conditions, can stay. That means on one hand to foresee growing density (thirty years to be consolidated) by an adjustable masterplan and on the other changing migrants' social/family structure by adaptable housing units.

To encourage integration, housing is also offered to different local collectives, included students and elderly (sheltered housing). The final proportion of immigrants and locals living in the area should be more or less one third and two thirds.

The projects should reflect on the initial status and the situation within thirty years.

Site surface:	Total	110.000 m2
(Unbuilt surface		55.000 m)
Warehouses to be kept	≥	30.000 m2
Open and Public Space	≥	35.000 m2 (included existing)
Residential	up to	25.000 m2 (included existing)
Facilities	≥	5.000 m2 (included existing)

Based on these indicative figures the proposal will count with a **minimum** of:

Α	OPEN SPACE	25.000 m2 20.000 Park with recreational areas (ev. open air sport area) 5.000 Urban orchards
В	HOUSING	60.000 m2 up to 120.000 m2 25.000 Temporary residence for immigrants
		25.000 Temporary residence for immigrants 25.000 Social Housing
		10.000 Elderly and students residence
С	FACILITIES, SERVICES	13.000 m2 + 4.000m2
С	FACILITIES, SERVICES	500 Administrative
С	FACILITIES, SERVICES	500 Administrative 4.500 Cultural
C	FACILITIES, SERVICES	500 Administrative
С	FACILITIES, SERVICES	500 Administrative 4.500 Cultural 2.000 Educational
С	FACILITIES, SERVICES	500 Administrative 4.500 Cultural 2.000 Educational 6.000 Productive
C	FACILITIES, SERVICES PUBLIC SPACE	500 Administrative 4.500 Cultural 2.000 Educational 6.000 Productive

Park with recreational areas and eventually open air sport areas 20.000 m2

Urban orchards 5.000 m2

HOUSING 60.000 m2

Temporary residence(s) for immigrants 25.000 m2

100 apartments for up to 8 inhabitants2 bathrooms, living room with kitchenette, 3 separate rooms200 four bed rooms1 bathroom for every 2 rooms, 1 kitchen for every 4 roomsShared rooms: dining, TV, reading, study spaces, home gym, etc.LaundryBike storageGeneral storageTechnical installations

Social Housing 25.000 m2

100 apartments for 6 inhabitants 100 apartments for 4 inhabitants 100 apartments for 2 inhabitants Bike storage General storage Technical installations	2 bathrooms	s, kitchen, living room, 3 separable rooms s, kitchen, living room, 2 separable rooms kitchen, living room, 1 separable room		
Elderly and students residence(s)	10.000 m2	wheel chair adapted		
50 apartments for 4 inhabitants 50 apartments for 2 inhabitants 50 single rooms 100 double rooms	1 bathroom, 1 bathroom	s, kitchen, living room, at least 2 separable rooms living room with kitchenette and sleeping area for every 2 rooms; 1 kitchen for every 8 rooms 1 kitchen for every 8 rooms		
Reception/administration Shared rooms: dining, TV, reading, study spaces, home gym, etc. Laundry Bike storage General storage Technical installations				

Administrative:

"Camp" administration 500 m2

Reception and attendance Relax and waiting area 4 office rooms 2 meeting rooms 1 public meeting room Restrooms Storage Technical installations

Cultural:

Civic (or Neighbourhood) Centre 2.500 m2

10 activity rooms 2 multipurpose rooms 6 classrooms (language etc) 2 kitchen classrooms 1 auditorium Dressing rooms Relax area Exhibition area Children area Restrooms Storage Technical installations

With contiguous but independent

Canteen and bar Outdoors Terrace Kitchen Storage Restrooms

International Library 1.500 m2

Attendance and administration Office rooms Meeting rooms Book reading area (open shelf) Magazine and Newspaper area Media, video, show and music area Children area Computer and Research area Storage Technical installations

Ecumenical Church 500 m2

Courtyard or square Entrance 2 offices Restrooms Storage Technical installations

Educational:

Kindergarten and Nursery school 2.000 m2

Entrance Administration: 4 offices 10 classrooms, with bathrooms inside Multipurpose hall Interior playground(s) Exterior playground(s) Dining room Teachers' dining room Kitchen Teachers' restroom and dressing room Storage Technical installations

Productive:

Fab/Lab and Co-working 6.000 m2

Attendance and administration Showcase Exhibition area 1 multipurpose hall: experimental theatre, auditorium, conferences 10 Meeting and teaching rooms Open co-working areas Co-working office for 100 people 20 technology laboratories 20 workshops for artists 20 workshops for craftsmen 10 cooking labs Restaurant and bar area, with supply for elderly residence Take away service Local-food market Bike storage Storage Technical installations

Commercial:

Private shops and services 4.000 m2 (spread, retail, never shopping malls) Preferably spin-offs:

Commercial Gastronomic Services Etc.

PUBLIC SPACE directly related to buildings 10.000 m2

Parking lots	
Spread along streets	

2.000 m2

Internal streets, squares, gardens etc. Inside the plot