Across Disciplinary and National Borders: a Pedagogical Tool for Re-use

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Across Disciplinary and National Borders:
a pedagogical tool for re-use

Sandra Marques Pereira (ISCTE-IUL) and Jim Roche (DSA / DIT)
PLACE: ISCTE-IUL, LISBON

One-week workshop, students from the 15 participating schools developed an evolving housing design using prefabricated wood panels, to re-adapt pre-existing modern dwellings/buildings to contemporary living.
SITE: PORTELA, LISBON

Photo: Pedro Ferreira
Methodology

- **PREPARATORY WORK - VIDEOS YOUTUBE**
  i) Theoretical on Mass Housing
  ii) Portela’s urbanistic and architectonic framework

- **LECTURE**
  Theoretical framework about housing/society in Portugal and New Ways of Inhabiting

- **SITE VISIT**
  Including visits to the interior of apartments / meeting residents

- **PREPARATORY STUDIO**
  Sociological Contextualization of Portela / Exercise Explanation

- **DESIGN STUDIO**
  Mixed groups Reconfiguration proposals Use of ISTCE’s FabLab modular system

- **PRESENTATION DISCUSSION OF PROJECTS**
RESULTS

1) diversity of dwelling typologies allowed for:
   a) social mix – age/life course stage & household type
   b) flexibility and adaptability over the lifetime

2) family networks and residents interaction facilitated:
   a) communal shared space
   b) engagement between the private and public;
   c) vertical connectivity;
   d) social amenities - urban rooftop gardening, communal cooking, eating;

3) user-participation in dwelling design and self-a)
   building aimed at customizing / personalizing and attracting / engaging newer younger residents a
   “do-it-your-self” modular system inspired by ISCTE’s FabLab
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3) user-participation in dwelling design and self-building aimed at customizing / personalizing and attracting / engaging newer younger residents a “do-it-your-self” modular system inspired by ISCTE’s FabLab
We propose a solution composed of many different houses, all of these give you the opportunity to make them your own through the use of a modular construction system, which are stacked in the construction of the tower.

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Sedef Guney  24 July 2014 at 04:14

Different origins and profiles are put forward. Self-owned housing and large scales are considered regarding the design process. The short-period residents such as exchange student, young users are tackled in the work. It is an interesting group due to the new demands of Lisbon. Different modules for different functions including vertical usages have provided professional attitudes towards the intervention. Attempts for sun protection and climate are also a part of the vertical/horizontal design formulations. The solutions are presented in good quality graphical senses. For the future fragmented spaces within the floor plans can be integrated with respect to the other input in the in-situ.

Reply

Leandro Madrazo  31 July 2014 at 03:31

The case of Torre David in Caracas, is an example of how an existing structure is filled in with self-constructed housing units. Inhabitants transform the in-between spaces become an elevated street....

"One Floor, One Family" - Group D - Bairro da Portela de Sacavém
Karol Görner, Inger Kirstin Rahbek, Rémi Avril, Francisco Alves, Chrysa Pierrakou, Shilan Gharanfoli, Héctor Ruiz

The topic of the workshop is "Contemporary living patterns in mass housing in Europe". The case study of the group is "Portela de Sacavém". The district plan has been designed by Fernando Silva and built from 1965 to 1978. Portela de Sacavém has become a model of modern mass housing. The neighborhood is located in the North of Lisbon close to the airport and the bridge "Vasco de Gama". As a modern quarter each function is separated. The mobility takes a major place in the plan through a network of roads and pedestrian areas. The shopping center appears as the main function of the daily life of the neighborhood due to its central location. From this heart, a grid arranges three types of buildings: tower, high block, low block. This typology allows large free spaces for parking, green spaces and playgrounds. The initial layout of the flat was not adapted to the inhabitants. They have changed the organization of the rooms. They have promoted privacy of the rooms.

Closed Cycle
Strong links
Most of inhabitants of Portela returned from Portugal's African colonies in the 70's
There is a strong local identity
The population is aging and the district does not attract new people
The young population tends to leave
Portela appears as "a city in the city"

Day space
Night space
Private space
Public space

Make your choices...
5 functions

- a common space to live shared with your family...
- a space for privacy and comfort for you

Build yourself... the flexible furniture is composed by two parts. They are defined with a vertical and a horizontal modulation. The vertical has a separation of 0.75-1-1m in one part and 1-1m in the other one. On the other hand, the horizontal division is 0.4-1-1 following a functional separation. In this base the owner can do whatever needed. There are defined five functions that generating infinite solutions.

For more information please visit the website www.oikonet.org or contact: info@oikonet.org

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WORKSHOP: Contemporary living patterns in mass housing in Europe
ISTE University Institute of Lisbon, Portugal. July 14th-19th 2014
For more information please visit the website www.oikonet.org or contact: info@oikonet.org
OUTPUT – full scale prototype
OUTPUT - exhibition
CONCLUSIONS

- Collaboration between the disciplines of sociology and architecture, made possible by one condition: a conception of interdisciplinarity as meaningful collaborative work among disciplines considered to be different, but not “unequal”

- A common goal: to enrich the reflective skills of students and make them aware of the importance of both interdisciplinary work and users’ focus within their profession

- Challenges of work within international teams on reconfiguring modern high-rise housing which is such a global phenomenon

- The resultant architectural ideas of the students suggest both how these blocks could be reconfigured and new ways of living for the residents thus proffering exemplars that contradict the negative stereotype of modern high-rise projects

- Oikonet Lisbon Workshop on Portela: an exploratory experience not devoid of some weaknesses / worthwhile case study contribute to the urgent and quite neglected debate on the adequacy of architectural education to contemporary society within the equally urgent context of how high-rise estates could be reimagined
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