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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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.
“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 organisation of the rooms. They have promoted privacy of the rooms.

Closed Cycle
Strong links
Most of the 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”

Make your choices...
5 functions
a commun space for have dinner with your family...
... a space for privacy and comfort for you
Open
Close

Flexible Design System

A flexable design to support contemporary patterns

WORKSHOP: Contemporary living patterns in mass housing in Europe
ISCTE-University Institute of Lisbon, Portugal. July 14-19th 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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EDUCATION FOR REUSE