PLANNING THE AFRICAN CITY. THE CASE OF MAKENI, SIERRA LEONE

Polythecnic School_CEU San Pablo University. Campus Montepríncipe_Boadilla del Monte, Madrid.
Salón de Actos (sala amarilla) **23 JUNE 2016**

Staggering recent urban sprawl in the most deprived areas of the world is the biggest challenged faced by global habitability.
The challenge increases due to habitability deficiencies, scarce economic resources, lack of qualified personnel, weakness of the legislative framework, entrenched traditions and primary activities among other factors.
Makeni, Sierra Leone is a paradigmatic case. Its urban growth With an estimated population of 120,000, the urban growth follows an evident disperse occupation beyond the limits of the city deriving from traditional land management system.
The challenge of urban expansion in developing countries is the leitmotif of the conference, aimed at researchers, planners, profesionals and students.

PROGRAMME

9:30. Institutional Presentation. **Jesús Paul** _ Vice Chancellor International Relations USP CEU, **Andrés Ramos**_ Director of Pastoral and Volunteer Programs of FUSP CEU, **Madam Sunkarie Kaba Kamara**_ Mayor of Makeni, **Fr. Joe Turay** _ Vice Chancellor University of Makeni

10:00. Project CEU-Unimak- Makeni City Council. **Fr. Joe Turay** _ Vice Chancellor University of Makeni, **Luis Perea** _ PhD Architect and Coordinator of Development Cooperation USP CEU, **Cristina Laorden** _ Pastoral and Volunteer Programs of FUSP CEU

10:30. Makeni. Urban Management and Main Challenges. **Madam Sunkarie Kaba Kamara**_ Mayor of Makeni, **William Alpha** _ Chief Administrator of Makeni City Council

11:30. Break
12:00. Brief Thematic Lectures

1.Governance and Public Participation.
Project Madrid Think Tank . **Manuel Leira**. Architecture and Urban Planning Degree, Escuela Técnica Superior de Arquitectura de Madrid, 2004. Founding Partner of Nexo Arquitectura, winner of many prizes, the most relevant: 2006, First Prize Europan 8; 2006, First Prize Guliano de San Puglia Park; 2007, First Prize International Housing competition for 1308 dwellings in Berrocales (IVIMA); 2009, First Prize International Competition Sports Center for Universal Accessibility. He has been a jury member in many international competitions and curator of numerous exhibitions on architecture and urbanism. Faculty of [MUID] Master in Urban Interior Design: Design of the Public Realm in Contemporary Cities taught at University San Pablo CEU and Politecnico di Milano. Since 2013, he is a partner at URBAN NETWORKS

2.Environment and Biodiversity
Sacred forests in the African city planning. **Pablo Martínez-Anguita.** Professor of Projects and Management of Natural Resources URJC. He has taught at the Universities of New York, Yale and Oxford. His research focuses on the forest-poverty relationship in developing countries and the creation of political and economic instruments for nature conservation. He is director of the LandsCare project, a social network of those who love, care for and enjoy nature and also a payment system for environmental services based on the appreciation of the beauty of the natural and cultural landscape. www.landscare.org

3.Infrastructures and Facilities.
- Low Cost Sanitation Alternatives. **José Antonio Mancebo**. Industrial Engineer ETSII-UPM, 1995, PhD, by the ETSICCP-UPM (2008). Professor of University. Department of Mechanical Engineering, Chemical and Industrial Design and Construction of the School of Engineering and Industrial Design, UPM. Since 1990 performs teaching tasks, mainly in the area of fluid mechanics and hydraulics applied to development. Since 1999 participates in cooperative activities, mainly in water and sanitation, with a dozen trips to several countries in Africa and Central and South America, coordinating the Coopration Group of Water and Sanitation Systems development-UPM. Member of the Steering Committee itd Center (Innovation and technology for development) of the UPM.

- Alternatives for Public Private Parternships in Urban Public Transport Systems: infrastructure, operation, technology. **Miguel Angel Reguero** (Getinsa-Payma). MsC in Civil Engineering by the Universidad Politécnica (Madrid – Spain 1979) and Associate Professor in the Mathematics and Informatics Applied to Civil Engineering Department at the same University (1995-2011). He is a Transportation Planning Specialist with more than 30 years of professional life working in this area. He has worked in the Public Administration (Institute for Transportation Studies at Spain's Government) and in the field of private consulting (since 1994 Director of TÁRYET Transport Engineering). As Director of TÁRYET Transport Engineering, he is responsible for the international area of the company, having worked in a large number of countries (China, Thailand, Kuwait, Arabia, Nigeria, Peru, Colombia, Costa Rica, Brasil, Mexico, etc) outside Europe.

14:00. Lunch
Exhibition of USP CEU students work on Makeni
Blog HD_LAB CEU with information about Makeni: http://hdlabceu.wix.com/hdlabceu

15:30. Brief Thematic Lectures (continuation)

4. Urban Planning, Mobility and Life Quality
Implementation of Planning. **Marta Lora Tamayo**. PhD Lawyer and lecturer at UNED. Associate Professor, Director of the Department of Administrative Law at the UNED. He has dedicated his teaching and research to planning law vocation from a historical and comparative perspective. His latest book is "Special Projects in urban regeneration"

5. Housing
Guided Occupation as an Urban Development Alternative. **Belén Gesto**. PhD Architect and associate professor at ETSAM (UPM), director of the Cooperation group of the UPM, ICHaB (www.ichab.es), and co-director of the Expert Course on "Development Cooperation in Precarious Human Settlements. Instruments of Basic Habitability" which just completed its nineteenth edition. Her Phd research addressed "The Municipal Guided Occupational Programs: Basic Habitability instruments versus informal urbanization"

6. Economic Activity, Employment and Social Cohesion
- Management of Development Aid. **José María Larrú**. PhD in Economics and Associate Professor at Universidad CEU San Pablo. His research interests address foreign aid effectiveness; impact evaluation; multidimensional poverty measures; and Christian Social Thought. He has field experience in Mexico, Honduras, Peru and Paraguay. He has worked as consultant for UNDP, Comunidad de Madrid and the Council of Madrid

- Entrepreneurship in Developing Contexts . **Diego Palao**. Business & Adm. degree in ICADE School (Madrid). Management Postgraduate Program in ESCP Europe Business School. With previous experience as a Senior Executive in multinational firms, working mainly in the Business Development and Financial fields; during the last 6 years he has worked as a consultant through his own firm DNEXT Consultants and as an external advisor for Small & Medium Size companies in Spain (essentially organization and international approach). He has participated in the cooperation activities organized by San Pablo-CEU University, through Makeni-Sierra Leone trip that took place last January.

18:00. Expert Roundtable and conclusions

Roberto Goycolea, PhD Architect and Professor of the School of Architecture, University of Alcalá, Spain. Areas of interest: Analysis architecture, Tourism and Development Cooperation. He has conducted research, published and taught in various countries in Europe, America and Africa. COOPUAH Coordinator, Group applied to Development Cooperation of the University of Alcalá and cofounder of RIGPAC Research, International Network on Globalization and Built Heritage.

Paz Nuñez. PhD Architect (UPM) and Technical Specialist Development Cooperation (UPM). She is since 2002 associate professor in the Department of Architecture in the University of Alcalá. She coordinates the area of Habitat and Territory Group COOPUAH Research (Research applied to development cooperation UAH) has been invited by public and private organizations in Latin America, Africa, Europe and Spain for seminars, workshops and conferences on intervention in unplanned city, neighborhood improvement and strategies for Basic Habitability, among others. She has also conducted research projects both in Spain and in Europe on the grounds Exclusion Urban Habitat. She has published several articles and books related to this subject

Felipe Colavidas, PhD Architect, 1990. His Phd thesis, *The city conceived*, was directed by Fernando Savater. He is Professor of Urbanism at the ETSAM since 1988, where he also teaches an elective and graduate teaching since 1990 in Basic Habitability. He published the book *Architecture and city.1998*, plus a large number of articles in both professional journals and daily newspapers *(Claves de razón práctica, El País, La Modificación, El Semanal, Geometrías, NA, Revista Técnica, Alfoz, Boden, Pasajes, Astrágalo...)*

Organizers:

Collaborators:

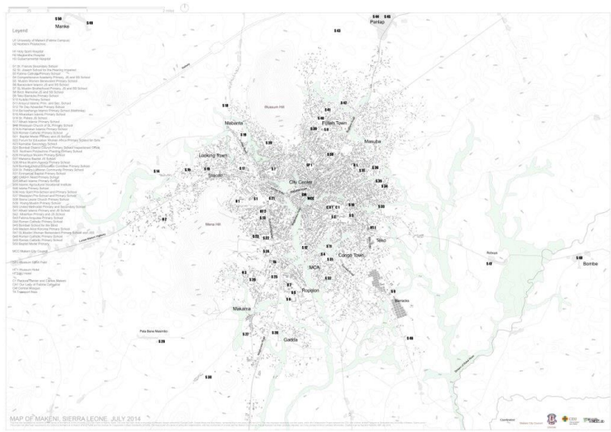
PLANNING PROCESS IN MAKENI. PREVIOUS STEPS

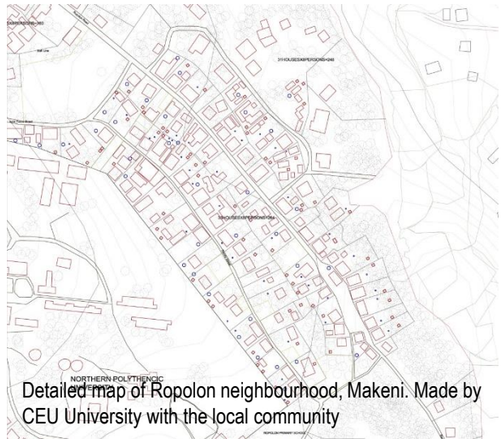
1. FIRST PARTICIPATORY WORKSHOP. DETECTING PRIORITIES. JULY 2013

Tthe beginning of the process was the organization, in July of 2013, of a workshop to think the city and the territory of Makeni. **The main city stakeholders were called and organized into five groups according to five different thematic areas, to define the prioritary elements for Makeni**. The organization was carried out jointly among CEU, Unimak and the Makeni City Council.

2. MAPPING MAKENI CITY

The evolution of the cartography has been developed continuously from Madrid, trying to improve the information of the city.
Map on the left drawn by CEU San Pablo University (Madrid). The location of Hospitals, Shools and other areas is indicated.





Detailed map of Ropolon neighbourhood, Makeni. Made by CEU University with the local community

3. SECOND WORKSHOP. FIRST IDEAS FOR THE DISCUSSION. JANUARY 2014

First propossals presented as first diagrams during the participatory workshop organized in Makeni, January 2014. Work based on the results of the previous session in Makeni (July 2013). A MoU accorded among Makeni City Council, Unimak and CEU University was signed to get a Strategic Urban Plan.

4. THIRD WORKSHOP. TOWARDS IMPLEMENTING ACTIONS. NEW PROPOSALS. JANUARY 2016

Workshop with theoretical sessions (TS), practices (PS) and fieldwork (FW). Work on Makeni planning was developed in two levels: City Scale and Neighbourhood Scale**. The goals were: raising awareness, disseminating, involving stakeholders, training and working together with the main stakeholders of Makeni**, in decision-making. Discussion about the new proposals presented by CEU San Pablo University. It was focused on working with technicians and decision makers in Makeni and landowners, with other civil society institutions. New proposals and a model of the city were presented.

5. MEETING IN MADRID. JUNE 23, 2016

As a continuation of the planning process

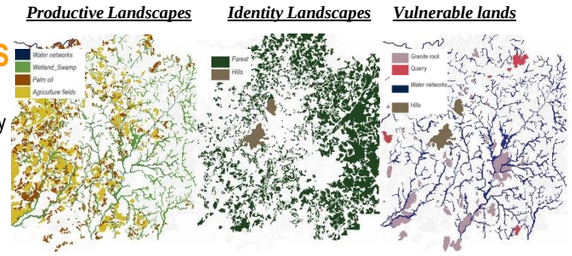
PLANNING PROCESS IN MAKENI. KEY ISSUES AND PROPOSALS

1. PARTICIPATORY AND STRATEGIC APPROACH. URBAN PLANNING AS A PROCESS

Three participatory workshops have been developed with the main stakeholders in the city. In turn, some documents and materials have been generated (maps, models, questionnaires, ...) that are the basis for urban reflection. Joint work and the long-term vision is considered essential. A Strategic Spatial Planning approach is propossed, as opposed to conventional urban planning, unable to address the challenges of fast-growing cities**. Strategic planning focuses on ideas.It is flexible, agile, and canbe adapted to different situations**. It gives priority to critical actions and the projects that could have a greater positive impact on the territory.

2. DEFINING THE VULNERABLE AND VALUE LANDS

Flooding, landslides, natural value areas, high productivity lands,.. These areas must be clearly located and mapped for avoiding the urbanization. Based mainly on the google earth information and in the personal fieldwork, some maps have been obtained to understand **which are the best areas for the urban growth and which lands must be definitivly avoided for urbanization.**



3. ANTICIPATING A COMPREHENSIVE FRAMEWORK FOR THE DECISION-MAKING (10-20 YEARS)

THE LINEAR CITY OF MAKENI

Long-term vision and a planning ahead are critical to support decision-making, build trust and achieve funding. New communities, ring road, limiting the urban expansion, jointing the existing urban fabric. The linear city as a comprehensive framework for linking the new urban areas and the existing city.

- Ring road and reinforcement of the existing network. It is proposed as a main road that works as urban street in the existing or new development areas. Allows to by-pass the city, giving connection with the existing road network.
- New sustainable communities. Concentrating the new housing needs for the poor as new communities in focal points, the intersections of the ring road and the main existing streets. Each community should have a central area (Market, transport node, activity,…), health and education basic facilities, access to employment, green and public areas, different typologies, good public-private rate, sites and services programmes as an option, affordable housing, basic infrastructures (water, sanitation, energy)
- Green Infrastructure. Defining the network of green and natural areas, rivers, productive agriculture, valuable lands as the hills and other important environmental elements. A green belt as a first limit of the urban land

4. RESERVING LAND FOR THE STRUCTURAL NETWORK AND IMPLEMENTING SHORT TERM ACTIONS

Medium-Long term framework must be linked to the short term actions. **Planning and reserving land has almost no cost, but is critical for the future**. It is unrealistic to completely define all. The global framework must be **flexible and allow for the coherent integration of informal dynamics**. The critical importance of infrastructure, especially sanitation as priority projects.

5. AN INNOVATIVE AND PROGRESSIVE PLANNING MANAGEMENT

Progressive urbanism to develop step by step, under the global framework decided. The proposals allows for different options to be implemented in time. Defining some simple rules between Owners of Land and the Makeni city Council, for the better management of land and for improving the development and the urban growth. In a complex context with no legal planning framework and the overlapping of the formal and customary law, **it is posible to arrange some easy rules** that could be a way for promoting urban development in a proper manner

6. INDICATORS FOR SUSTAINABLE DEVELOPMENT AND MONITORING

The propossal develops **a list of critical indicators in Basic Habitability**, to identify the main deficits of the city, establishing acceptable ranges in the various critical areas, working as an urban diagnosis **to rank the priority actions for being implemented.** Monitoring the actions is also a key role of the indicators