Introducing MIL in urban planning: a reconsideration of MIL Cities and technology

1

SARA HADDOU AMAR, PHD

DOCTOR ENGINEER
APPLIED MATHEMATICS AND ENGINEERING
IBN TOFAIL UNIVERSITY

MOROCCO REPRESENTATIVE
INTERNATIONAL YOUTH FEDERATION

KAUNAS LITHUANIA
RIGA LATVIA
24, 25, 26 OCTOBER 2018

Content

- Introduction
- Urban design and Urban planning
- The city and new technologies
- Smart cities and the drive of sustainability
- Media and information systems
- MIL simulation in Moroccan cities
- A new urban planning conception

Introduction

- The classic organization of cities involves the modeling of physical and information flows.

- The management of these flows are confronted with changes in the nature of the interactions between the different components and elements of urban life.

- The urban space plays an important in the management and the continuous improvement of cities and citizens.

- The reconfiguration of the organization of cities has become an urgent and crucial issue.

Urban organization

- Cities should be designed with consideration of several factors in order to respond to the current and future expectations of its citizens.

  - ❖ Cultural
  - ❖ Topographical
  - ❖ Environmental
  - ❖ spiritual
  - ❖ Economical

- Each component of the urban area has special characteristics and requirements to fulfill with success its mission.

Urban design and Urban planning

Urban design ≠ Urban planning

Urban design
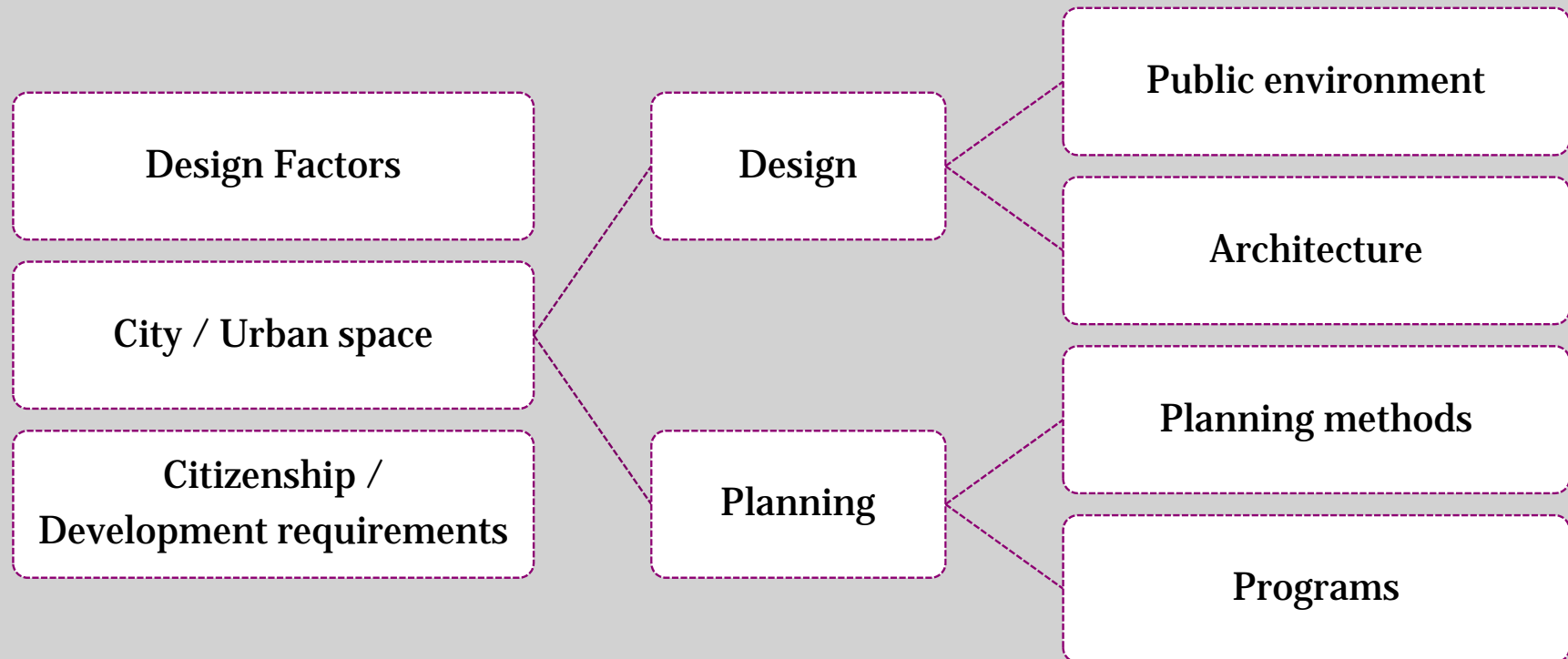- The physical improvement of the public environment

Urban planning
- The management of private development through established planning methods and programs and other statutory development controls

The city and new technologies

- The improvement of technological tools has a deep effect on the organization and layout of smart cities.

Design Factors	Design	Public environment
City / Urban space		Architecture
Citizenship / Development requirements	Planning	Planning methods
		Programs

Smart cities and Sustainability

Design and planning do take another dimension

- Design means now more than shaping and aesthetics; it has increasingly become a strategic element in business innovation processes as well as in a number of societal development processes.

- **Purpose**: Smart combination of design with user understanding and overall solutions is increasingly becoming a **competitive parameter when companies develop new products and services**.

Media and Information Systems

- Design and planning are becoming a way to introduce new technologies in the city and improve the functional state of the different elements and component if the city.

- It is a way to enhance the media and information literacy among the citizens in order to help people meet their needs, thrive, and improve the quality of their lives.

MIL simulation in Moroccan Cities

- Appropriate and good vision of urban planning

- Knowledge concerning Media and information Literacy

- Basic needs and demands

- Comparison with European cities

- Constructions

- Directions

- Trust and management

A new conception (factors and criteria)

- Vision and mission

- Logistics needs of urban place

- A network construction

- Strategic planning

- Increase the use of technology in urban design and planning

- Easy data gathering and data analysis

- Reachable services and connectivity

Network Conception

- Various elements with several needs and requirements

- Various functions and customers demand

- Economic, social and environmental information and flows management

- Management and inter-connection handling

- Futuristic design and forecasted data concerning population and their personalized requirements

Conclusion

12

- The improvement of technological tools has a deep effect on the organization and layout of smart cities.

- New technologies is a good way to introduce MIL in cities and improve them to become smart cities.

- New technologies are becoming omnipresent in our daily life and should be incorporated in urban planning.

MIL Celebration UNESCO

THANK YOU FOR YOUR ATTENTION