Re-Connection of the litoral neighbourhoods

VLC SUMMER SCHOOL
ON SYNERGIC URBAN INFRASTRUCTURES

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TASK N°2
A SYNERGY ORIENTED PLANNING METHODOLOGY
from a bi-directional scheme to a multi-dimensional one
INDICATORS AS PART OF THE EVALUATION PROCESS
INDICATORS AS PART OF THE EVALUATION PROCESS

Short-term

Diagram with multiple lines radiating from a central point.
INDICATORS AS PART OF THE EVALUATION PROCESS

Short-term
INDICATORS AS PART OF THE EVALUATION PROCESS

Short-term

Long-term

Diagram showing indicators as part of the evaluation process, with categories for short-term and long-term.
Indicators as part of the evaluation process

1. Ecodiversity
2. Areas of emissions
3. Sustainable energy traffic
4. Access of green spaces
5. Social appropriation

Ecosystem-services connected to buildings

Multi-modal mobility

Cooperative structures

Spaces connected to water

Infrastructures for accessibility
TASK N°3.1

A SPATIAL STRATEGY FOR THE PILOT SITE
LACK OF CONNECTIONS

DETECTION OF RISKS AND THREATS
GREEN INFRASTRUCTURE
BLUE INFRASTRUCTURE
ENERGY INFRASTRUCTURE
SOCIAL INFRASTRUCTURE & HOUSING
MOBILITY INFRASTRUCTURE
LANDMARKS
IMPRESSIONS OF THE INTERVIEWS

Social disconnection

- Abandoned
- Fragmentation (physical & social barriers)
- Education (no participation)
- Energy information

Identity lost
Waterfront back to dangerous

Associations
- Abandoned

Social disconnection

Re-connection of the litoral neighbourhoods

FROM VISION THROUGH ACTIONS TO TOOLS

Vision
What? How? Where?

Time: short - medium - long
Goals: 10-11-13-15

Social connection
- LANDMARKS NETWORK
  - tree lined streets (GI)
  - diversity of the cycling and walking experience (MI)
  - landmarks as social infrastructure with different activities for the community (SI)

- MOBILITY HUBS
  - sustainable mobility (MI)
  - renewable energy (EI)
  - one stop hub (SI)

- COOPERATIVE HOUSING STRUCTURES
  - community based and cooperative housing (HI)
  - BIPV (EI)
  - social housing (SI)

- CITY - SEA RELATIONSHIP
  - restrictions for the movement of vehicles (MI)
  - energy education (EI)
  - new exhibitions area (SI)

- NEW GREEN AREAS / IMPROVEMENT OF EXISTING ONES
  - facilities for birds and pollinators (GI)
  - sports facilities (SI)
  - rain gardens (EI)

- ENVIRONMENTAL JUSTICE
  - island of coolness (GI)
  - protection of existing public spaces (HI)
  - community gardens (SI)

Spatial connection

Ecological connection

synergy #1

synergy #2

synergy #3

synergy #4

synergy #5

synergy #6
synergy #1
IDENTITY RECOVERY

synergy #2
COOPERATIVE COMMUNITIES

synergy #3
ECO FRIENDLY MOBILITY

synergy #4
WATERFRONT RECOVERY

synergy #5
ECOSYSTEM SERVICES COMPLEMENT

synergy #6
ENVIRONMENTAL JUSTICE
THE SPATIAL STRATEGY

- M 1: 15,000

network of social hotspots and landmarks

mobility infrastructure

green infrastructure

blue infrastructure

social infrastructure

housing infrastructure

energy infrastructure

support and expansion of the GI network

accessibility to the sea

connecting north - south by pedestrian & bike shared path

visual connection of land and seaside by landmarks

mobility hubs

potential future housing area

redevelopment of industrial area

educational energy park

reorganizing of the coastal transport

extension of the tram

expansion of the green belt
Identity recovery

LONG TERM EFFECTS
New urban scale
synergy #2 - COOPERATIVE COMMUNITIES

SHORT TERM EFFECTS
Education

LONG TERM EFFECTS
Energy resilience
synergy #3 - ECO-FRIENDLY MOBILITY

SHORT TERM EFFECTS
Connections within the city

LONG TERM EFFECTS
Transforming mobility concept
synergy #4 - WATERFRONT RECOVERY

SHORT TERM EFFECTS
Re-connection with the sea

LONG TERM EFFECTS
Enhance of transformative processes to the harbor areas
synergy #5 - Ecosystem Services Complement

**SHORT TERM EFFECTS**
- Biodiversity improvement

**LONG TERM EFFECTS**
- Identity recovery
synergy #6 - ENVIRONMENTAL JUSTICE

SHORT TERM EFFECTS
Neighbourhood quality improvement

LONG TERM EFFECTS
Environmental justice mitigation
TASK N°3.2

CLOSE - UPS
GREEN POCKETS AREAS
COMMUNITY BASED LIVING AND BIPV
RE-CONNECTION OF THE LITORAL NEIGHBOURHOODS

REVITALIZATION

- ECONOMIC GROWTH
- IDENTITY RECOVERY
- QUALITY OF LIFE
- PARTICIPATION

RESILIENCE

Litoral Neighbourhoods as Assets for Valencia
MUCHAS GRACIAS!

TEAM 5 - Fabio M. Bayro-Kaiser and Christa Reicher