Protective Housing Ecologies

Preliminaries for a Degrowth City

Dr. M. Michael Case Study

Implementation Strategy: A new Geography of Operations and Jurisdiction roles

Revitalizing Socio-Ecological cycles (as Shared Resources): Wider Context

Designated Areas for Quarries (National Plan, 2009)

Active Quarries (Outside Designated Areas)

Equitable Rent Program (ERP)

Surplus Rent

Subsidies for the Refurbishment of the Existing Old Stock

Housing Supply

Renovated Units (Market Price)

Vacant Units

Distribution of Housing Units

Market Value Units

Existing Old Rent Units

Existing New Rent Units

Units inhabited by Owner

Units by Commercial

Commercial Units

Affordable Units

Already Inhabited by Owner

Renovated Affordable Units

Market Rent

Affordable Rent

Rent value received by landlord

Affordable rent paid by tenant

Equitable Resource Allocation

Regulating Large Private Developments (with Private Interest):

Holistic Urban Planning

Regulating the Extraction and Use of Local Resources

Equitable Rent Program (2018 - 2028)

Degrowth Strategy Implementation (2018 - 2028)

Tannourine Ceder Forest Nature Reserve

Regulating the Extraction and Use of Local Resources

T7 Stock

T6 Stock

T5 Stock

T8 Stock

Regulating Large Private Developments (with Private Interest):

Voluntary Street Improvement

Strategic Urban Planning

Zoning

Comprehensive Development

Equitable Rent Program (2018 - 2028)

Regulating the Extraction and Use of Local Resources

T5 Stock

T6 Stock

T7 Stock

T8 Stock

Rehabilitation and use of Local Resources

Equitable Rent Program (2018 - 2028)

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Rehabilitation and use of Local Resources

Equitable Rent Program (2018 - 2028)
Revitalizing Socio-Ecological cycles: Ground Level, Roof and Building Conditions

Protective Housing Ecologies

Equitable Rent Program (ERP) / 

PLOT / ﻋﻘﺎر

Allowed Floor / ﻣﺴﺎﺣﺔ اﻟﻤﺴﻤﻮح ﺑﻬﺎ

Built Floor / ﻣﺴﺎﺣﺔ اﻟﻤﺒﻨﻴﺔ

Vacant Unit / وﺣﺪة ﻣﺸﺎﻏﺮة

Temporary Program / ﻛﺎﻓﺎت ﻣﺆﻗﺖ

Occupied Unit / وﺣﺪة ﻣﺴﻜﻮﻧﺔ

Potential Space for Common Good = 4158 sqm

(BUA) Assigned Area (as per BUA)

Public Green Systems

Ecological Roof Systems

Organic Landscaping

- Native Species
- Regenerative
- Diverse

Inclusive Urban Environment

Adaptable Areas for Appropriation (Recreation/ Informal Market Stalls)

Urban Farming/ Natural Habitats

Regulate Renovation and Promote Social Interaction

Public Space Design

Flexible / قﺎﺑﻠﺔ ﻟﻠﺘﻜﻴﻒ

Shared / ﺗﻌﺰز اﻟﻤﺸﺎرﻛﺔ

Natural / ﻣﺼﻤﻤﺔ ﻟﺘﻨﺎﺳﺐ اﻟﻤﻮﻗﻊ

Social Activites

Public Platform / ﻣﺘﺎﺣﺔ ﻟﻠﺠﻤﻴﻊ

Security / ﺑﻴﺒﺎء آﻣﻨﺔ

Integration / ﻛﻞ ﺷﺮاﺋﺢ اﻟﻤﺠﺘﻤﻊ

Community Living / ﺻﻼت اﻟﻤﺠﺘﻤﻊ

Principles for Design Intervention

Promote Diversity

Species Ecology / ﺣﻴﻮاﻧﺎت وﻃﻴﻮر ﻣﺤﻠﻴﺔ

Potential Nests / أﻋﺸﺎش اﻟﻄﻴﻮر

Species Reproduction / ﺗﻜﺎﺛﺮ اﻟﺤﻴﻮاﻧﺎت واﻟﻄﻴﻮر

Rainwater Collection

- Shared Water Tank / ﺧﺰان ﻣﻴﺎﻩ ﻣﺸﺘﺮك
- Water Storage / ﺗﺨﺰﻳﻦ اﻟﻤﺎء

Temporary Units/ Programs

- Multi-purpose Units / وﺣﺪات ﻣﺘﻌﺪدة ﻣﻐﺎﻳﺎت
- Lightweight Materals / اﺳﺘﺨﺪام ﻣﻮADS ﺑﻨﺎء ﺧﻔﻴﻔﺔ
- Recyclable/ Demountable / ﻓﺎﻛﻞ او ﻹﻋﺎدة اﻟﺘﺪوﻳﺮ

Vertical Farming (urban farming)

- Promote Diversity / ﺗﻌﺰﻳﺰ اﻟﺘﻨﻮع اﻟﺒﻴﺌﻲ
- Farm Local Fruits and Vegetables / ﺗﻌﺰﻳﺰ اﻟﺰراﻋﺔ اﻟﻌﻀﻮﻳﺔ
- Promote Organic Farming / ﺗﻌﺰﻳﺰ اﻟﺰراﻋﺔ اﻟﻌﻀﻮﻳﺔ
- Promote Diversity / ﺗﻌﺰﻳﺰ اﻟﺘﻨﻮع اﻟﺒﻴﺌﻲ
- Farm Local Fruits and Vegetables / ﺗﻌﺰﻳﺰ اﻟﺰراﻋﺔ اﻟﻌﻀﻮﻳﺔ

Hybrid Living

- Mult-Program / ﻣﺘﻌﺪد اﻻﺳﺘﺨﺪاﻣﺎت
- Adaptable / ﻗﺎﺑﻞ ﻟﻠﻔﻚ او ﻹﻋﺎدة اﻟﺘﺪوﻳﺮ

Expandable Living

- Space for Growth / ﺑﻠﺪ و ﻣﺘﻮﻓﺮ ﻟﻠﻨﻤﻮ
- Social Interaction / اﻟﺘﻔﺎﻋﻞ اﻻﺟﺘﻤﺎعي
- Balconies / ﺷﺮﻓﺎت

Sustainable Living

- Green Renovation / ﺗﺠﺪﻳﺪ اﻟﺴﻠﻴﻢ
- Solar Systems / أﻧﻈﻤﺔ ﺷﻤﺴﻴﺔ
- Porous Membranes / اﺣﻼل اﻟﺤﺪود اﻟﺮﺳﻤﻴﺔ