PERI-URBAN FARMING

Occupying Voids in Ciudad Juarez

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DSD - Urban Asymmetries _ Ciudad Juarez _ Mexico

Date- 28.06.12
1. INTRODUCTION
- CONTEXT AND PROBLEMATIQUE
- OVERALL URBAN GROUP STRATEGY
- INTENTION

2. URBAN AGRICULTURE (UA) - WHAT - WHY - HOW

3. MATRIX FOR URBAN AGRICULTURE
- INVENTORISING AND PROGRAMMING OPEN SPACES AND VOIDS
- TOOLBOX FOR PRODUCTION

4. URBAN PLAN
- APPLICATION OF MATRIX TO A SAMPLE URBAN STRIP

5. DESIGN AND SITE
- SITE LAYOUT AND PROGRAMMING
- OVERALL DESIGN CONCEPT
- COMMUNITY GARDEN - WITH STORAGE AND TOOL SHED
- EDUCATIONAL GARDEN - WITH WORKSHOP
- CADC AND COMMUNITY KITCHEN

6. STAKEHOLDER ANALYSIS
- IMPLEMENTATION OF UA AT THE CITY LEVEL
1. INTRODUCTION
- Context And Problematique
- Overall Urban Group Strategy
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- Application of Matrix to a Sample Urban Strip

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6. STAKEHOLDER ANALYSIS
- Implementation of UA At the City Level
It is estimated that more than 5 million houses are standing empty throughout the country.
25.6%
incomplete municipal planning - monofunctional sprawl-like development - ‘terrain-vague’
dormitory town - dysfunctional progressive model of housing
heavy dependance on maquilas - economy dependant on global swings
ignoring natural resources - misuse of agricultural land
ignoring natural resources
to intervene with alternative strategies that will alter the course of the closed cycle of decay
OVERALL STRATEGY - taxonomy

Ineffective Communication Between Organs and Actors
Privatization of Social Housing
Impunity
Inflexibility of Federal Planning
Inadequate Transportation
Exploitation Based on Desire for Home Ownership
Unemployment
Mortgage Based Funding of Low Income Social Housing
Economic Uncertainty
Monopoly of Foreign Maquila Industry
Attachment to Owning Property
Speculation of Land
Money Laundering
Economic Motives Driving Urban Planning
City Development Based on Foreign Interest and Investments
Overproduction of Social Housing
Monofunctional, Homogeneous Development
Housing Subsidies Pushing Low Income to Periphery
Disregard for Natural Resources
Isolated Communities/Polycentric Growth
Massive Sprawl with Plans for Further Growth
Stigmatization of the Periphery
Inability to Expand
Small Size Housing
Distortion of Reality Through Media
Military and Police Presence
Low Value Housing
Marginalized City
Dissipated City

To produce organizational tools for planning and governing institutions
Produce new housing models which can counter the prevalent decay
Provide Alternative Organizational Structures
Architectural Interventions

Micro Financial Loans
Urban Farming
Community Kitchen
Small Scale Service Sector
Local Shops
Hair Salon/Garage

Inclusion to Restructure Informal-
Addressing Rental Markets Allowing for Group/Communal Ownership
Foreclosure Mortgage Rebates in Exchange Squealling
Commercial Use
Community Spaces
Bio-Remediation
Street Furniture
Urban Equipment
Landscaping Existing Facilities
Car Pool Transportation
Bus Stops
Graffiti Advertises

Recurrent Social Events
Informal Public Meeting Spaces
Platform for Social Initiatives
Vocational Training
Community Education

Selective Demolition
New Housing Typologies

Expansion of Farming Center for Urban Farming
Formal and Informal Markets
New Residents
Diversification
Hotels
Dormitories
Lodge
House Extensions
Warehouses
Shops
Parking

Health Care Clinics
Medical School
Sports Facilities
Commercial Center
Secondary Schools
Public Library
Wastewater Treatment Plant
Sanitary Treatment Plant
Landscaping
Redefining Street Hierarchy

Public Promenade Along Canal
Establishment of Co-Operatives
Urban Agriculture Transport
Commercial Workshops
Construction
Municipal Ward System
Municipal Representatives

LEGALIZATION OF MIXED-USE STRUCTURE OF GOVERNANCE

Peri-Urban Farming - Occupying Voids in Ciudad Juarez _ DSD _ Urban Asymmetries _ Graduation
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WHAT IS URBAN AGRICULTURE?

UNDP (1996) defines urban agriculture as follows: “Urban Agriculture (UA) is an activity that produces, processes, and markets food and other products, on land and water in urban and peri-urban areas (peripheral urban areas), applying intensive production methods, and (re)using natural resources and urban wastes, to yield a diversity of crops and livestock”.

[Image of urban area with green spaces and buildings]
WHY URBAN AGRICULTURE?
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

_DSD_ Urban Asymmetries _ Graduation_
food security...
BOTTOM UP STRATEGY FOR TOP-DOWN PROBLEMS

COMMUNITY FEELING

ALTERNATE SOURCE OF ECONOMY

RE-USE ABANDONED HOUSING

USING EXISTING FERTILE LAND

FOOD

COMMUNITY KITCHEN

EDUCATION AND TRAINING

USING ABANDONED HOUSES FOR FARMING

URBAN FARMS

EXTENSIONS ON EXISTING HOUSES FOR FARMING

SEED BANK / STORAGE / SUPPLIES
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what can be grown..
drip irrigation
simple greenhouses and shade houses
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

Raised bed gardening

- 24 in. 4x4 redwood post
- 8 ft. 2x6 redwood board
- Hardware cloth
- Corner detail: The side and end boards are flush with the corner posts.
- Corner post extends approximately 7/8 in. above the top board.

Materials:

- Compost 10cm (4”)
- Fertilizer 20mm (1”)
- Straw 20cm (8”)
- Fertilizer 20mm (1”)
- Lucerne hay (10cm (4”)
- Newspaper 5mm (1/4”)
- Border 20-25cm (8-10”)
reusing materials
colonising space
inventorising parcels of unused land
### Peri-Urban Farming - Occupying Voids in Ciudad Juarez

#### TYPOLOGY

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<thead>
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<th>Context</th>
<th>Ships / vessels</th>
<th>Interfaces</th>
<th>Other urban activities</th>
<th>Non-urban activities</th>
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#### PRIVATE RESIDENTIAL GARDENS

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#### PRIVATE GARDENS WITH NEIGHBORS

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#### ABANDONED HOUSES FOR FARMING

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#### COMMUNITY / ALLOTMENT GARDENS

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#### COMMUNITY GREENHOUSES AND SHADE-HOUSES

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#### NEIGHBORHOOD FARMS

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#### URBAN FARM

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#### TOOLS AND UTILITY FOR COMMUNITY PROGRAMS

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#### CONTEXT

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#### TIME PERIOD FOR REALIZATION

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<th>Time Period for Realization</th>
<th>Food Circulation and Connections</th>
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#### INVENTORISING THE OPEN SPACE - "TERRAIN VAGUE" / PROGRAMMING THE VOIDS / TOOLBOX FOR PERI-URBAN FARMING

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CADC - Community Agriculture Development Co-operative

- Community Agriculture Development Co-operative

**TYPOLOGY**

AGRO-BANK / INSTITUTION

**CONTEXT**

**SIZE / SCALE**

2000-6000 sq mts

**EXAMPLES / IMAGES**

combination

varies

**TOOLBOX FOR PRODUCTION METHOD**

- pre-fabricated housing
  - greenhouses / shade-houses
  - raised beds
  - growing in soil
  - raised beds / shade / simple gh

**WHAT CAN BE PRODUCED**

none

**STAKEHOLDER**

**USERS / PRODUCERS / MANAGER**

- managed and used by the CADC and the community

**UTILITIES / SUPPORTING FACILITIES PROVIDED BY CADC**

- storage shed
- supply shed
- water storage tank
- electricity
- water supply

**COMMUNITY PROGRAMS ATTACHED**

- community garden
- educational / recreational training
- park / garden
- urban equipment
- vendors
- farmer's market / outdoor community space
- commercial

**LABOUR / STAFF / PEOPLE IT REQUIRES**

**PERCENTAGE OF COMMUNITY SERVICE**

**FOOD CIRCULATION AND CONNECTIONS**

- individual consumption
- neighborhood
- community / markets
- city

**TIME PERIOD FOR REALIZATION**

5 years

The CADC manages and runs the Agro-bank.
individual scale...

**TYPOLOGY**

**CONTEXT**

**SIZE / SCALE**

**EXAMPLES / IMAGES**

**TOOL BOX FOR PRODUCTION METHOD**

**WHAT CAN BE PRODUCED!**

**STAKEHOLDER**

**PRIVATE RESIDENTIAL GARDENS**

area: 10 m² - 60 m²

**PRIVATE GARDENS WITH NEIGHBORS**

area: varies

**UTILITIES / SUPPORTING FACILITY PROVIDED BY CADC**

- storage shed
- supply shed
- water storage tank
- electricity
- water supply

**COMMUNITY PROGRAMS ATTACHED**

- community kitchen
- workshops
- park / garden
- urban equipment
- food bank
- community space
- commercial

**LABOUR / STAFF / PEOPLE IT FEEDS**

**PERCENTAGE OF COMMUNITY SERVICE**

**FOOD CIRCULATION AND CONNECTIONS**

**TIME PERIOD FOR REALIZATION**

**Managed, produced and consumed by individual**

**Managed, produced and consumed by individuals / small groups**

**Managed, produced and consumed by community**

**Managed, produced and consumed by farmer's market / outdoor**

**Managed, produced and consumed by community / markets**

**Managed, produced and consumed by individuals**

**Managed, produced and consumed by primary user**

**Managed, produced and consumed by individuals / groups for use and is managed by them.**

**Peri-Urban Farming - Occupying Voids in Ciudad Juarez  _ DSD _ Urban Asymmetries _ Graduation**
simple systems..
at the individual and street level
at the individual and street level

- Social Cohesion
- Little Communities
- Community Spaces
- Relationship with the Street
The abandoned can be rented from the CADC by individuals/groups for use and is managed by them. It can also be used as storage for the community garden.
PRIVATE RESIDENTIAL GARDENS

TYPOLOGY

USERS / PRODUCERS/ MANAGER

STAKEHOLDER

SIZE / SCALE

WHAT CAN BE PRODUCED?

TOOL BOX FOR PRODUCTION

METHOD

EXAMPLES/ IMAGES

LABOUR / STAFF / PEOPLE IT FEEDS

CONTEXT

UTILITIES/ SUPPORTING FACILITY PROVIDED BY CADC

COMMUNITY PROGRAMS ATTACHED

TIME PERIOD FOR REALIZATION

FOOD CIRCULATION AND CONNECTIONS

PRIVATE GARDENS  WITH NEIGHBORS ABANDONED HOUSES FOR FARMING COMMUNITY/ ALLOTMENT

COMMUNITY GREENHOUSES AND SHADE-HOUSES NEIGHBORHOOD FARMS URBAN FARM AGRO-BANK / INSTITUTION URBAN NODES

STREET PLANTING

PERCENTAGE OF COMMUNITY SERVICE - pre-fabricated housing extensions for gardening

- city water storage tank

- water supply

- electricity

- workshops

- commercial

- urban equipements

- individual consumption

- neighborhood

- city

- community / markets

- greenhouses / shade-houses

- raised beds

- growing in soil

- hand watering

- hand watering

- hand watering / drip irrigation

- hydropinics / drip irrigation

- irrigation from Rio Bravo

- combination

- none

- nonetrees

The abandoned can be rented from the CADC by individuals/groups for use and is managed by them. It can also be used as storage for the community garden.

The CADC provides basic requirements for the allotment gardens.

The CADC provides all the requirements for protected agriculture.

The CADC provides some facilities while some are taken care of by the city or individual farmers.

The CADC manages and runs the Agro-bank.

Managed, produced and consumed by individual producer consumer.

managed and used by the CADC and the community

managed by the CADC and the city

produced and consumed by the CADC and community

produced by individuals or community for commercial purposes

managed by the CADC

area: 10 m² - 60 m²

area: varies

width: 12 - 20 mts, area: 2000-5000 sq mts width > 18 mts area: 4000-5000 sq mts 1.5 - 5 acres >5 acres (upto 12 acres) 2000-6000 sq mts width < 8m

abandoned houses
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- IMPLEMENTATION OF UA AT THE CITY LEVEL
street section
community garden
community garden
farmers market
community kitchen
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Peri-Urban Farming - Occupying Voids in Ciudad Juarez _ DSD _ Urban Asymmetries _ Graduation
site _ concept
PLOT LAYOUT

PERI-URBAN FARMING - OCCUPYING VOIDS IN CIUDAD JUAREZ

- NEIGHBOURHOOD FARM
- GREENHOUSES / SHADE HOUSES
- COMMUNITY SQUARE
- COMMUNITY GREENHOUSES
- SEED BANK / NURSERY

- COMMUNITY GARDEN
- COMMUNITY ALLOTMENT GARDEN
- COMMUNITY PROGRAMS / PLAYGROUND / AMPHITHEATRE

- COMMUNITY KITCHEN
- CADC OFFICE
- COMMUNITY PARK
- LANDSCAPE
- COMMUNITY GARDEN
- TRAINING GARDEN
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

Concept Scheme
Concept Scheme

- Educational garden
- Community garden
- Production greenhouse
Waste Management

FOOD
- Individual kitchens & houses

COMPOSTING
- Community
- Individual

FERTILIZER
- Vegetables / Farms / gardens

Waste Management → Compost → Toilets

Food → Composting → Fertilizer

Peri-Urban Farming - Occupying Voids in Ciudad Juarez _ DSD _ Urban Asymmetries _ Graduation
Climate concept and structure / solar gain

- Double Roof → for passive cooling.
  → reduce solar heat gain
  → enhance air cavity.
  → unimpeded air flow between the roof & the ceiling.
- Double wall on the south - hardest sun heat openings.

solar gain

ventilation

green roof
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

MATERIAL

- CONCRETE
- PLASTIC
- WOOD
- METAL
- CONCRETE BLOCKS
- CANVAS
- WOODEN SLATS
- WIRE NET
- BARS
- ALUMINIUM SHEETS
- BRICK
- TIRES
- SCRAP WOOD
- SCRAP METAL
- BROKEN GLASS FENCE
- BARBED WIRE
- SCRAP WOOD
- CONCRETE BLOCKS
- REINFORCED CONCRETE
- BRICK
cinder blocks - concrete blocks
wooden pallets

standard North American pallets

1200x1200 mm (48”x48”)

1200x1000 mm (48”x40”)
symbol of the global economy......
for building garden beds
SITE PROGRAMMING

- COMMUNITY GARDEN (GROW)
- EDUCATIONAL GARDEN (LEARN)
- ORGANISATION (OFFICE, CO-OPERATIVE)
- PRODUCTION GREENHOUSES (PRODUCTION)
- SEED BANK NURSERY
- PLAY
- STORE
- SELL
- WEEKLY MARKET
- FARMER’S MARKET
- FAIR
- EAT
- SHARE
- TEACH
- COOK
- SELL
- buy
- info panel
- composting
- covered community space
- laundry
- street food
- laundry covered community space
Peri-Urban Farming - Occupying Voids in Ciudad Juarez   _ DSD _ Urban Asymmetries _ Graduation
community garden

I HAVE TO TEND TO MY TOMATOES TODAY!! IT WILL ONLY TAKE AN HOUR!

MAYBE WE CAN HAVE OUR COMMUNITY FESTIVAL HERE NEXT MONTH!
community garden with storage shed and tool shed
community garden
storage shed
pallet wall

one unit - 1200x1200mm

slits for ventilation and light

opaque corrugated plastic sheet

transparent corrugated plastic sheet
community garden with storage shed and tool shed
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

DSD _ Urban Asymmetries _ Graduation
educational garden
THERE IS A WORKSHOP ON SIMPLE HYDROPONICS TODAY...
green roof with various layers

section - BB'

section - BB'

a. Extensive planting on 150mm substrate
b. Filter course/mat
c. 2.5cm solid drainage/gravel
d. protective course
e. roof seal, root proof
f. 90mm insulation
g. Polythene vapour barrier
h. RCC slab
section through CADC office

- green roof
- concrete coping
- 20mm external plaster
- parapet wall
- gravel
- 200mm thick concrete block wall
- RCC slab
- 15mm internal plaster
- concrete lintel
- window - sliding folding wooden shutters
- concrete sill extended to form bench
- 50mm floor finish
- 200mm thick concrete slab
- plinth beam
- RCC column
- strip foundation
- 50mm thick cement slurry
- rammed earth

Peri-Urban Farming - Occupying Voids in Ciudad Juarez _ DSD _ Urban Asymmetries _ Graduation
view at the entrance
community kitchen

MAYBE WE CAN HAVE OUR COMMUNITY FESTIVAL HERE NEXT MONTH!
community kitchen
1. INTRODUCTION
- CONTEXT AND PROBLEMATIQUE
- OVERALL URBAN GROUP STRATEGY
- INTENTION

2. URBAN AGRICULTURE (UA) - WHAT - WHY - HOW

3. MATRIX FOR URBAN AGRICULTURE
- INVENTORISING AND PROGRAMMING OPEN SPACES AND VOIDS
- TOOLBOX FOR PRODUCTION

4. URBAN PLAN
- APPLICATION OF MATRIX TO A SAMPLE URBAN STRIP

5. DESIGN AND SITE
- SITE LAYOUT AND PROGRAMMING
- OVERALL DESIGN CONCEPT
- COMMUNITY GARDEN - WITH STORAGE AND TOOL SHED
- EDUCATIONAL GARDEN - WITH WORKSHOP
- CAD/C AND COMMUNITY KITCHEN

6. STAKEHOLDER ANALYSIS
- IMPLEMENTATION OF UA AT THE CITY LEVEL
MULTI-STAKEHOLDER PLATFORM FOR PROMOTING URBAN AGRICULTURE _ steps for implementation
### Private Residential Gardens

<table>
<thead>
<tr>
<th>Typology</th>
<th>Users / Producers / Manager</th>
<th>Stakeholder</th>
<th>Size / Scale</th>
<th>What Can Be Produced?</th>
<th>Tool Box for Production</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

#### Utility / Support facilities Provided by CADC
- Community Programs attached
- Tool Box for production
- Examples / Images

#### Context

- Food circulation and connections
- Labor / Staff / People it feeds

#### Time Period for Realization

<table>
<thead>
<tr>
<th>Area</th>
<th>Time Period for Realization</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 30 m²</td>
<td>2 years</td>
</tr>
<tr>
<td>&gt; 30 m²</td>
<td>5 years</td>
</tr>
<tr>
<td>&gt; 60 m²</td>
<td>10 years</td>
</tr>
</tbody>
</table>

#### Users / Producers / Manager
- Managed, produced and consumed by individual / small group
- Managed, produced and consumed by individuals / small groups
- Managed, produced and consumed by individual

#### Stakeholder
- Managed and used by the CADC and the community
- Managed by the CADC and the city
- Managed and used by the CADC and the city

#### Size / Scale
- Area: varies
- Width: 12 - 20 mts
- Area: 2000-5000 sq mts
- Width > 18 mts

#### What Can Be Produced?
- Vegetables
- Vegetables / Fruits / Herbs
- Vegetables / Cotton / Forage / Alfalfa
- Trees

#### Tool Box for Production
- Hand watering
- Hand watering
- Hand watering / drip irrigation
- Drip irrigation
- Irrigation from Rio Bravo
- Drip irrigation
- Drip irrigation

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**Peri-Urban Farming - Occupying Voids in Ciudad Juarez**

**DSD - Urban Asymmetries - Graduation**
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

Urban food system

- CADC: Community Agriculture Development Co-operative

Production: planting, management, harvesting

Processing: washing, drying, canning, freezing

Waste Management: composting

Distribution: storage, trucking

Consumption: community kitchen, festivals, street food, vendors

Marketing: farmer's market, retail, grocery stores, vendors

Community activities, markets, fairs and festivals, schools, public transportation, workshops, recreation, playground
Peri-Urban Farming - Occupying Voids in Ciudad Juarez  

PRIVATE SECTOR

PRIVATE MARKET CHAINS

PRIVATE LAND-OWNERS

VENDORS FOR MACHINERIES

MICRO-ENTERPRISES

FARMERS

GROCERS

PRIVATE MARKET CHAINS

RELIGIOUS INSTITUTIONS

UACJ INDEPENDANT RESEARCHERS

NGO RESIDENTS

WOMEN'S CELL

CIVIL SOCIETY LOCAL COMMUNITY ORGANISATIONS

PUBLIC SECTOR

REGULARIZING COUNCIL

PUBLIC LAND-OWNERS

PUBLIC MARKET CHAINS

PUBLIC MACHINERIES

PUBLIC SERVICES

PUBLIC INSTITUTIONS

PUBLIC LAND USE RIGHTS

PUBLIC LAW REGULATIONS

PUBLIC WORKS
Peri-Urban Farming - Occupying Voids in Ciudad Juarez _ DSD _ Urban Asymmetries _ Graduation
FORMATION OF COMMUNITY/NEIGHBORHOOD CADC

CADC - Community Agriculture Development Co-operative

CREATION OF SEVERAL LOCAL CADCs
Mexico capital city: Law on Food Security and Nutrition for the Federal District

The Law on Food Security and Nutrition, approved on the 17th of August 2010 by the Legislative Assembly of the Federal District, is a milestone for the protection of the right to food. This Act means a crucial step for the protection and realization of the right to food for all persons living in food poverty. According to the numbers of INEGI (National Institute of Statistics and Geography), almost half a million people in Mexico City are still food insecure. By approving this new Law, the Mexican capital has made a huge step forward in decentralizing at district level the protection of the right to food. Beside other components, the new Law establishes the Food Security and Nutrition System of the Federal District and reaffirms the role of the Social Development Council, which foresees the participation of society in the planning, design, decision making, programming, execution and evaluation of policies and actions, introduced to realize the right to food in a progressive and sustainable way. Furthermore, the Law creates an Integral Food Security Programme as planning instrument to define priorities, budget allocations, monitoring proceedings and mechanisms to promote the right to food. In addition to the institutional dimension and the human rights principles included in the Law, it is worth mentioning that the Law establishes a system through which people’s access to policies, programs and actions undertaken by the Federal Government is facilitated. This is an essential element for the citizens to participate in decision-making process and to hold the competent authorities responsible for their actions and omissions.

The text of the Food Security and Nutrition Law available at:
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

INTERNATIONAL ORGANISATIONS

- **FAO** - Food and Agriculture Organization of the United Nations
- **RUAF** - International Network of Resource Centres on Urban Agriculture and Food Security
- **WFP** - World Food Programme
- **IDRC** - International Development Research Centre, Canada
- Grameen Foundation
Peri-Urban Farming - Occupying Voids in Ciudad Juarez

**PRIVATE SECTOR**
- Government representation
- Design and planning
- Community organization
- Private stakeholder representation

**COMMUNITY / NEIGHBORHOOD**
- CADC

**CIVIL SOCIETY**
- Representatives

**PUBLIC SECTOR**
- Federal - state - municipality

**URBAN AND PERI-URBAN AGRICULTURE ASSOCIATION**
- UAR
- REA
- CR

**INTERNATIONAL ORGANISATION**
- National
- International

**RIGHT TO FARM / RIGHT TO FOOD**
- Legalizing UA as legitimate land use / land tenure

**Food and Agriculture Sector Development Policy**
- RIGHT TO FARM / RIGHT TO FOOD
- Right to Farm / Right to Food

**ARTIST / REPRESENTATIVE**
- Designing initial conditions for UA

**REPRESENTATION**
- From relevant local authority
- Engineers
- Architects
- Urbanists
- Environmental scientists
- Agriculture advisors

**BOARD OF REPRESENTATIVES**
- Local vendors’ association
- Farmer’s association
- Livestock farmer’s association
- Private developers association

**COMMUNITY ORGANIZATION**
- Housing cooperative
- Farmers cooperative
- Agriculture cooperative

**REPRESENTATIVES OF VARIOUS CADC’S**

**UA FUND**
- Expertise
- Policy guidance
- Funding
URBAN AND PERI-URBAN AGRICULTURE ASSOCIATION

GOVERNMENT REPRESENTATION
- REPRESENTATION FROM RELEVANT LOCAL AUTHORITY

DESIGN AND PLANNING
BOARD OF PLANNING/ADVISORS
- ENGINEERS
- ARCHITECTS
- URBANISTS
- ENVIRONMENTAL SCIENTISTS
- AGRICULTURE ADVISORS

COMMUNITY ORGANIZATION
REPRESENTATIVE OF VARIOUS CADC’S
- AGRICULTURE CO-OPERATIVE BANK
- FARMERS CO-OPERATIVE
- HOUSING CO-OPERATIVE

PRIVATE STAKEHOLDER REPRESENTATION
BOARD OF REPRESENTATIVES
- Local Vendors’ Association
- Farmer’s Association
- Livestock farmer’s Association
- Private Developers Association

designing initial conditions for UA

negotiating various interests
“A new urban pattern from the ubiquitous ‘terrain vague’ and a new form of urbanism at the intersection of architecture, landscape, economy and exchange........”
GROWN IN RIBERAS DEL BRAVO
THANK YOU!