

SEP



Building the University Knowledge City, at Ciudad Juarez.



Jaime G. de la Garza R.,
Higher Education Spaces and Places Conference;
University of Latvia, December 8th 2009, Riga.

“Intelligence plus character, that is the goal of real education.”



Martin Luther King Jr.



Thematic:

- ❖ Ciudad Juarez.
- ❖ UACJ.
- ❖ Master Plan.
- ❖ Lessons Learned.



Ciudad Juarez, Chihuahua.

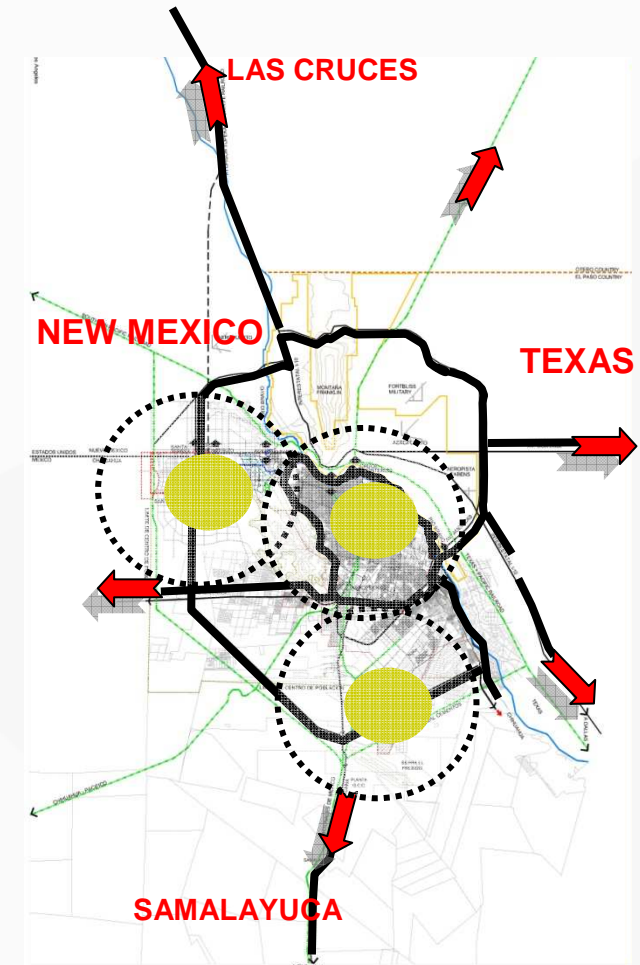
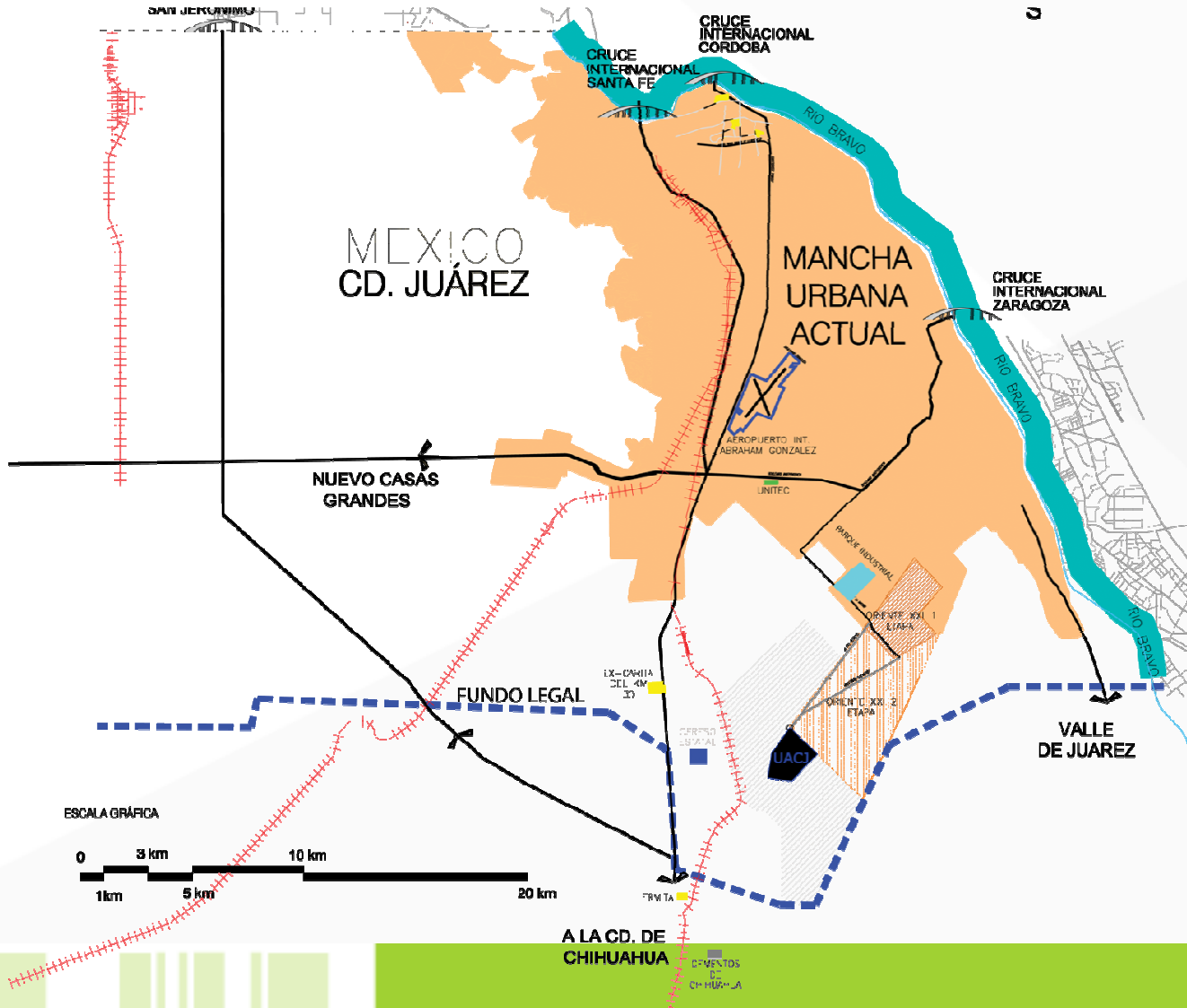


- ❖ Ciudad Juarez – “CJS”.
- ❖ Population +1,500,000.
- ❖ Mexico border with U.S.A.
- ❖ Trade/manufacturer center.
- ❖ El Paso, Texas + CJS.
- ❖ Population +3,000,000.
- ❖ Joint community.

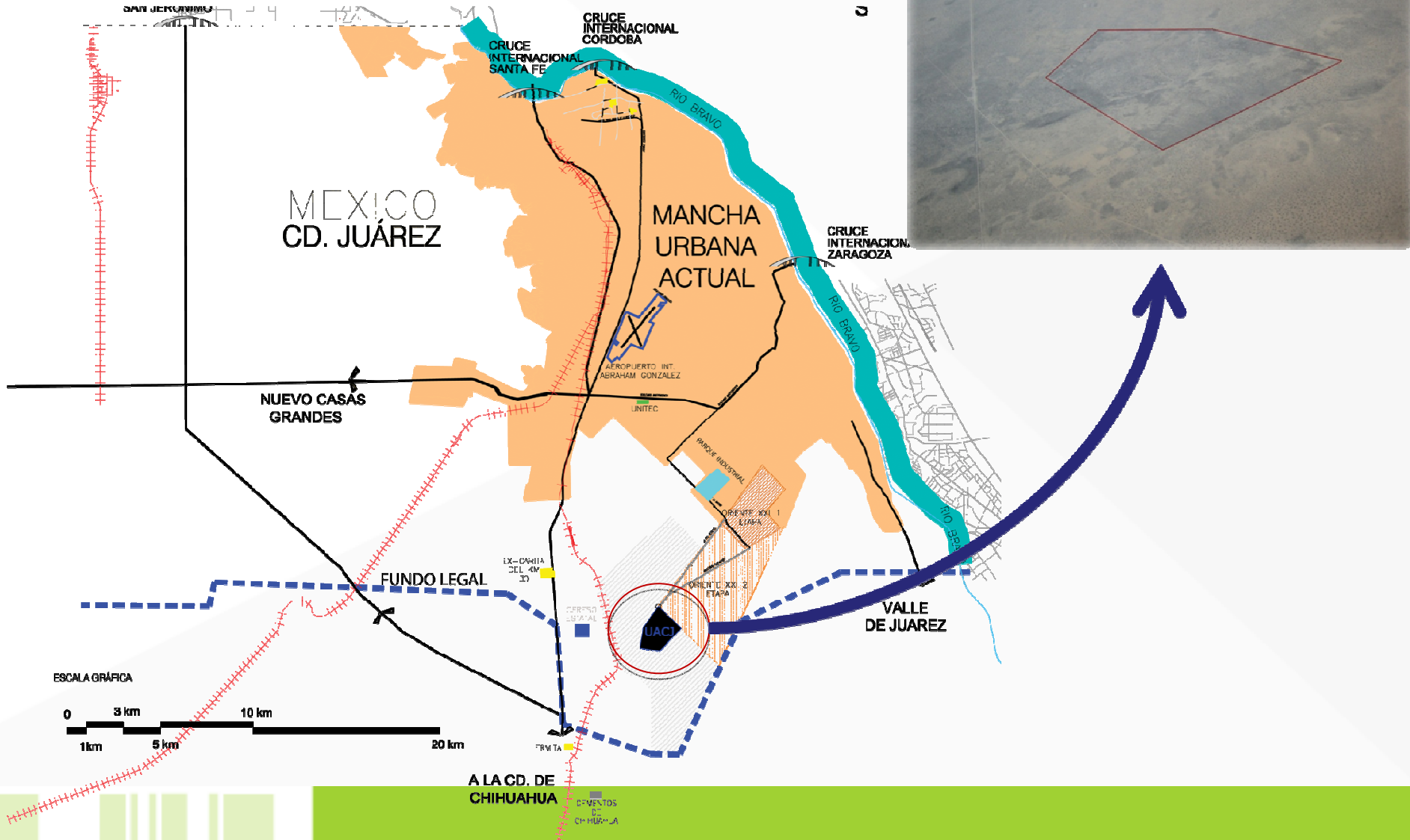
Ciudad Juárez, Chihuahua, Mexico.



Ciudad Juarez, Chihuahua, Mexico.



Ciudad Juárez, Chihuahua, Mexico.



A LA CD. DE CHIHUAHUA



UACJ

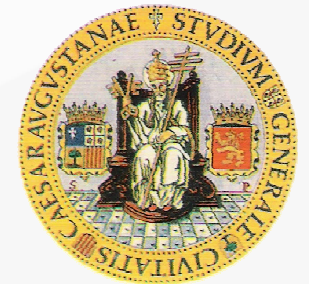
Universidad Autónoma de Ciudad Juárez

“But if you ask what is the good of education in general, the answer is easy: that education makes good men, and that good men act nobly.”

Plato.

- ❖ Est. 1968.
- ❖ Women University.
- ❖ 1973 - *UACJ*
- ❖ 2009=20,000+ students.
- ❖ 2020=40.000+ students.

- ❖ 6 locations in CJS.
- ❖ 3 locations in the State of Chihuahua.
- ❖ Collaboration with Southern U.S. Institutions.



- ❖ 2001 State of Chihuahua donates land to UACJ.
- ❖ 300 has.
- ❖ Plan to conform all UACJ in one location.
- ❖ Master Plan....



CHIHUAHUA
Gobierno del Estado



Master Plan.

“Individual commitment to a group effort - that is what makes a team work, a company work, a society work, a civilization work.”

Vince Lombardi

UACJ Master Plan Design:

- ❖ 2008 Start...end?
- ❖ Office of the UACJ Rector.
- ❖ General Coordination for the Development of University City, UACJ.
- ❖ Almeida, Ponti, de la Garza.

Concept basis:

- ❖ Architectural.
- ❖ Economical.
- ❖ Educational.
- ❖ Environmental.
- ❖ Social.
- ❖ Urban.



UACJ New Model: 7 Knowledge Areas.

1. Agriculture Sciences.
2. Social and Administrative Sciences.
3. Exact and Natural Sciences.
4. Engineering Sciences.
5. Education and Humanities Sciences.
6. Architecture, Arts and Urban Sciences.
7. Health Sciences.





Master Plan Design Principles – 1.

- ❖ Iconic and multifunctional architecture, with symbolic elements of the region, all applied to education concepts.



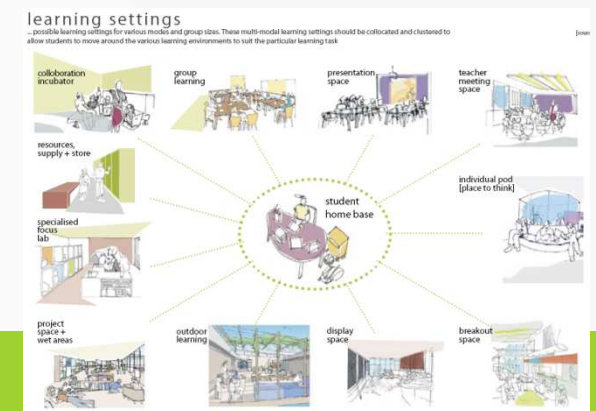
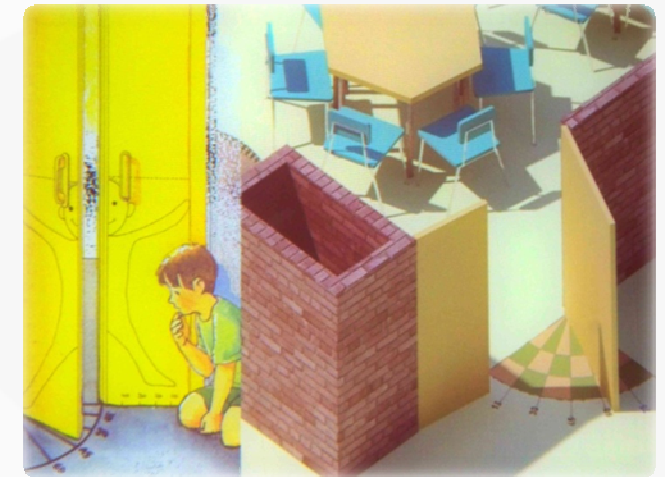
Master Plan Design Principles – 2.

- ❖ Flexibility, community use, distance education, efficient use of educational space.



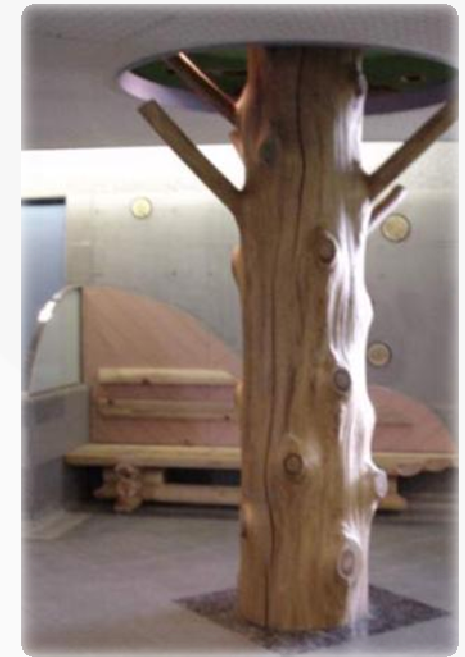
Master Plan Design Principles – 3.

- ❖ Design based on innovation, learning, equity, and quality. In parallel with the curriculum model: An inclusive education.



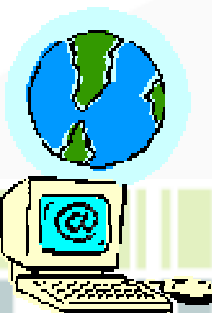
Master Plan Design Principles – 4.

- ❖ Continuous sustainable development, respect for non-renewable resources, generating energy saving programs and promoting an environmental culture.



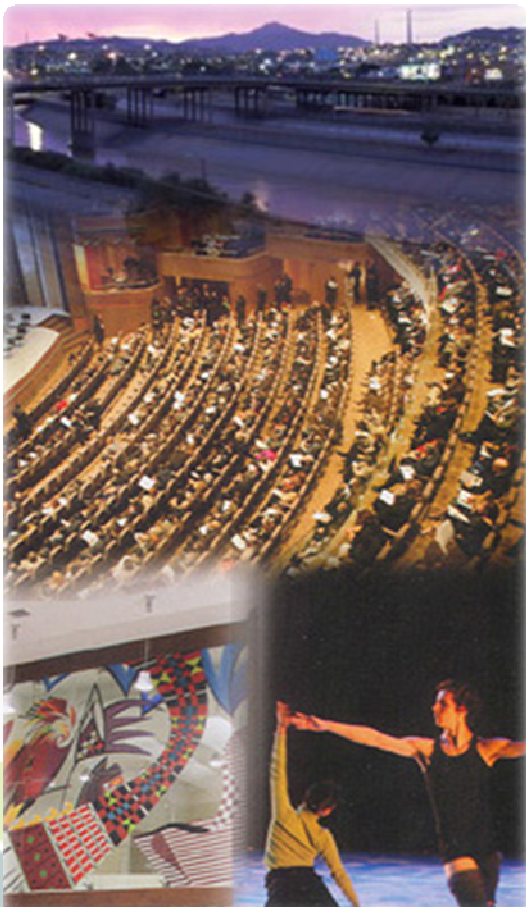
Master Plan Design Principles – 5.

❖ Information Technology and Communication.



Master Plan Design Principles – 6.

- ❖ Cost Efficient Maintenance and Operation of University City.



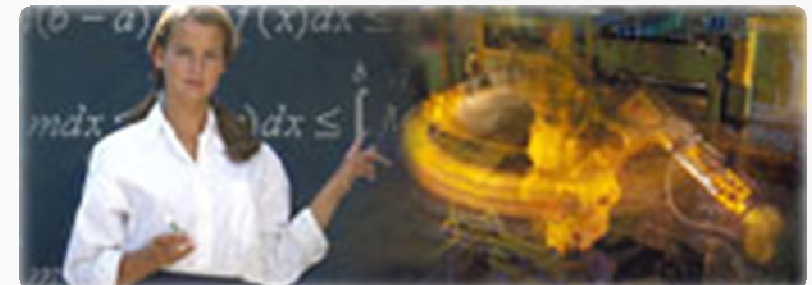
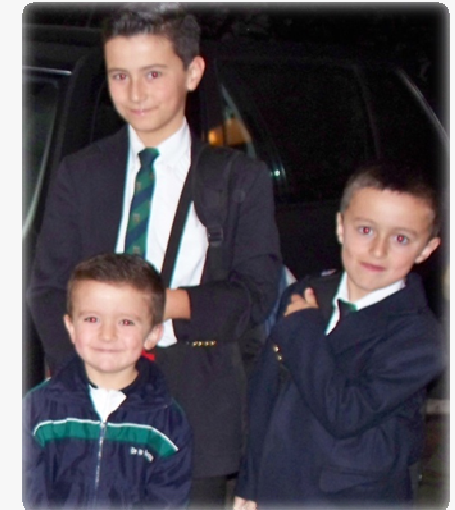
Master Plan Design Principles – 7.

- ❖ Aspects on Safety of Buildings and Learning Environments for Safeguarding the Integrity of the Stakeholder.



Master Plan Design Principles – 8.

- ❖ Private + Public Partnerships and Relevance of Social Services and the Community.





1. Iconic and multifunctional architecture, with symbolic elements of the region, all applied to education concepts.
2. Flexibility, community use, distance education, efficient use of educational space.
3. Design based on innovation, learning, equity, and quality.
4. Sustainable Development.
5. Information Technology and Communication.
6. Cost Efficient Maintenance and Operation of University City.
7. Safety and Security on Learning Environments.
8. Private Public Partnerships and Relevance of Social Services.

First Ideas.

“A good sketch is better than a long speech.”

Napoleon Bonaparte.



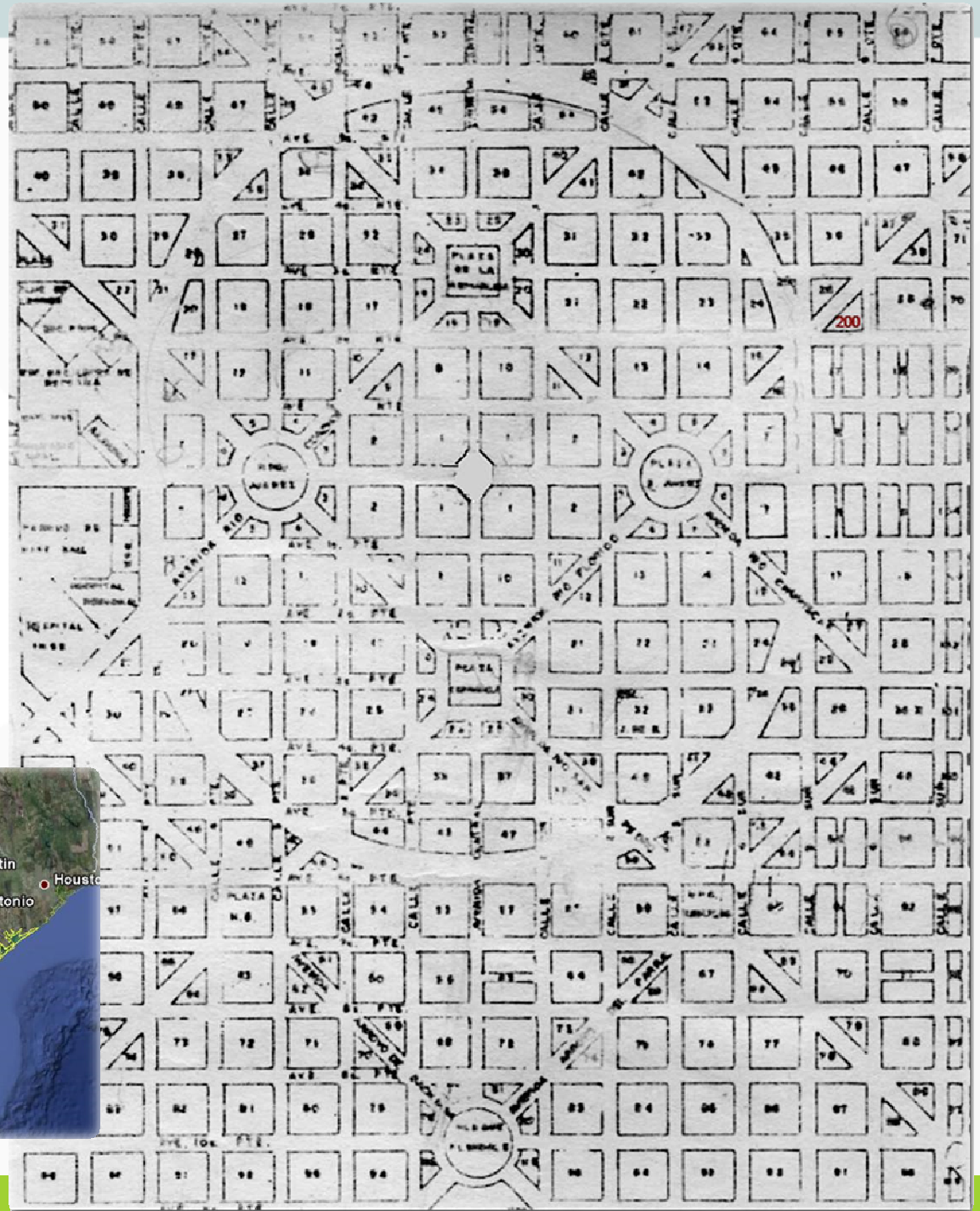
First ideas...Regional Icons..



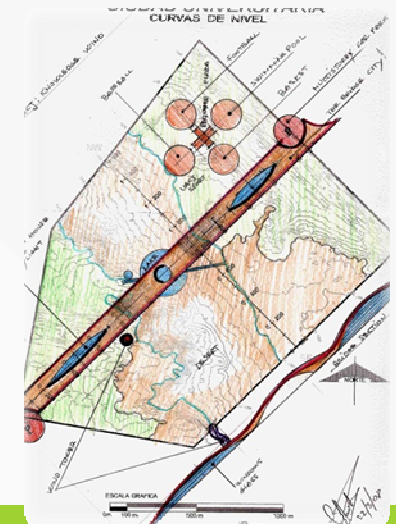
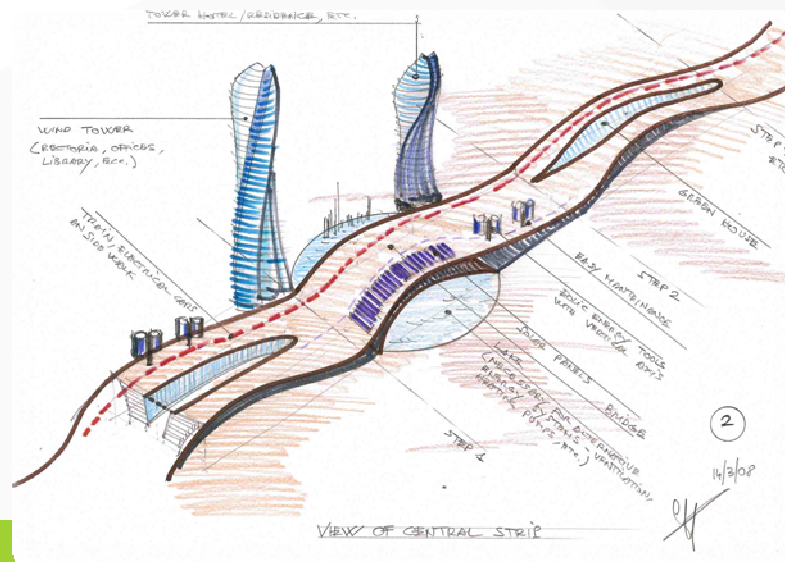
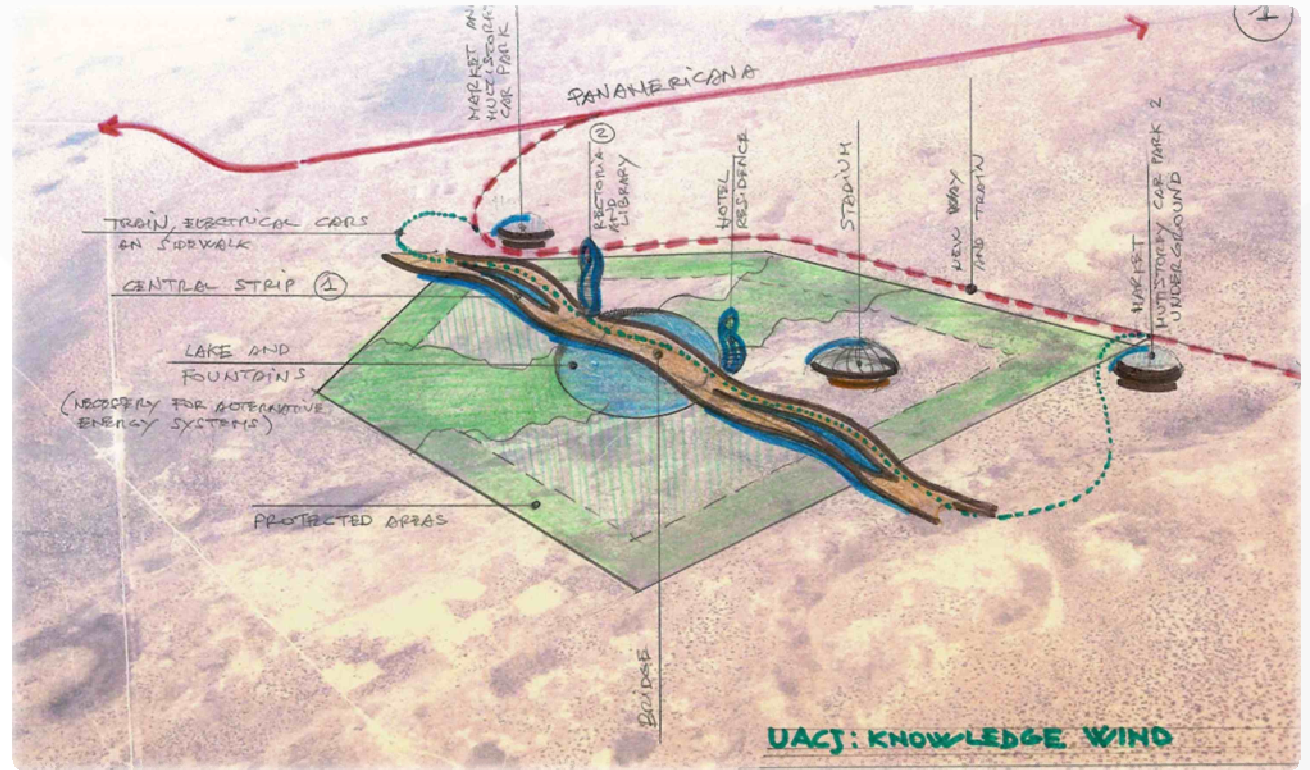
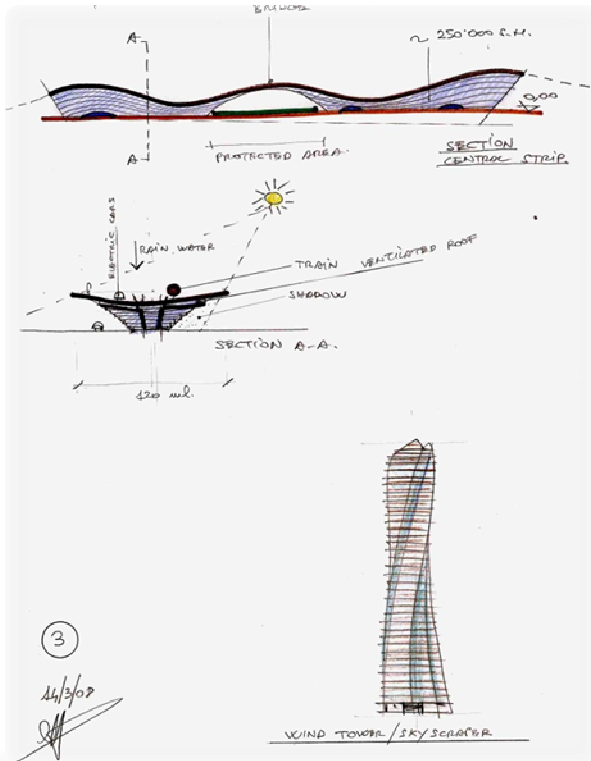
First ideas... Paquimé.

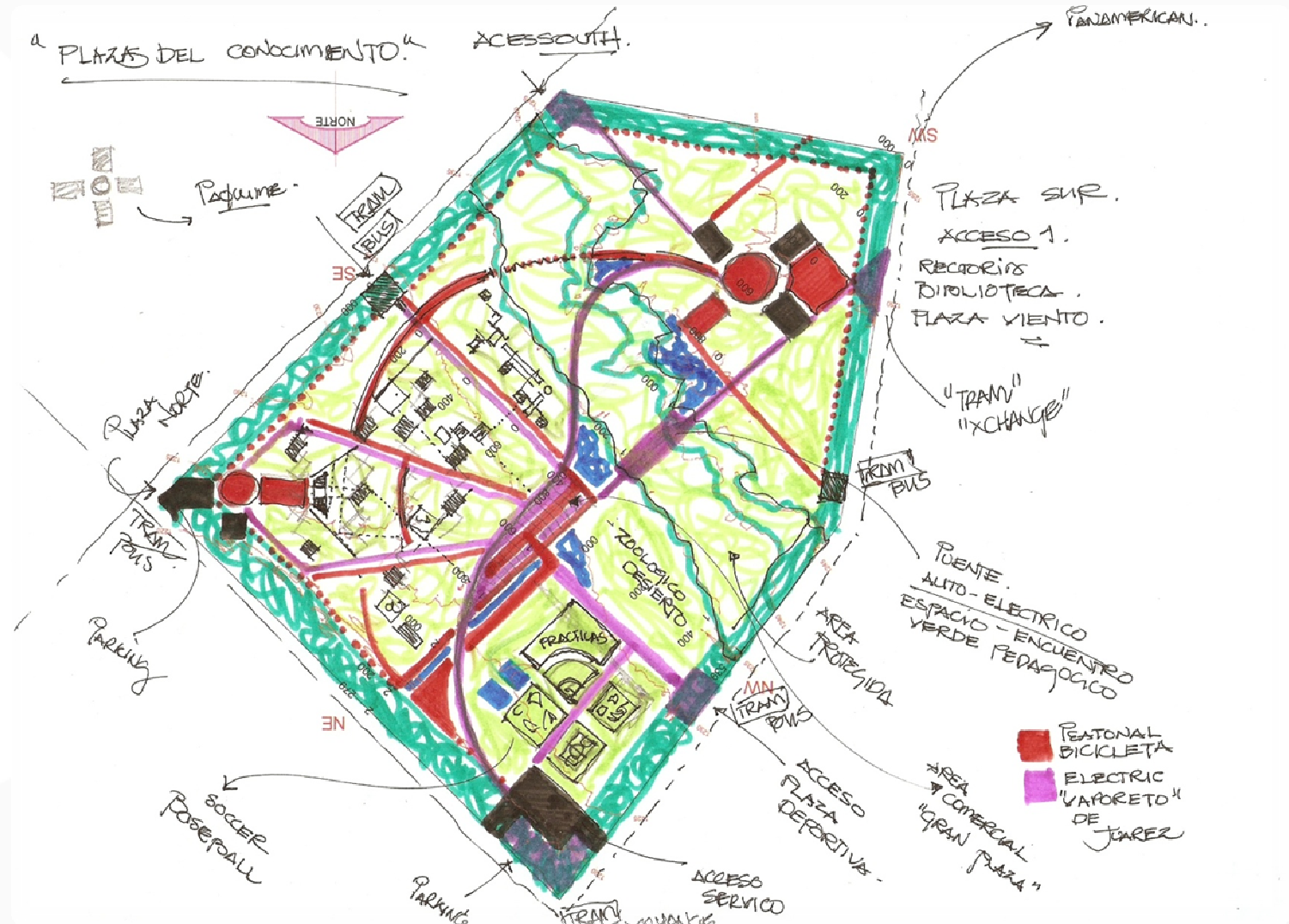


First ideas... Delicias, Chihuahua.



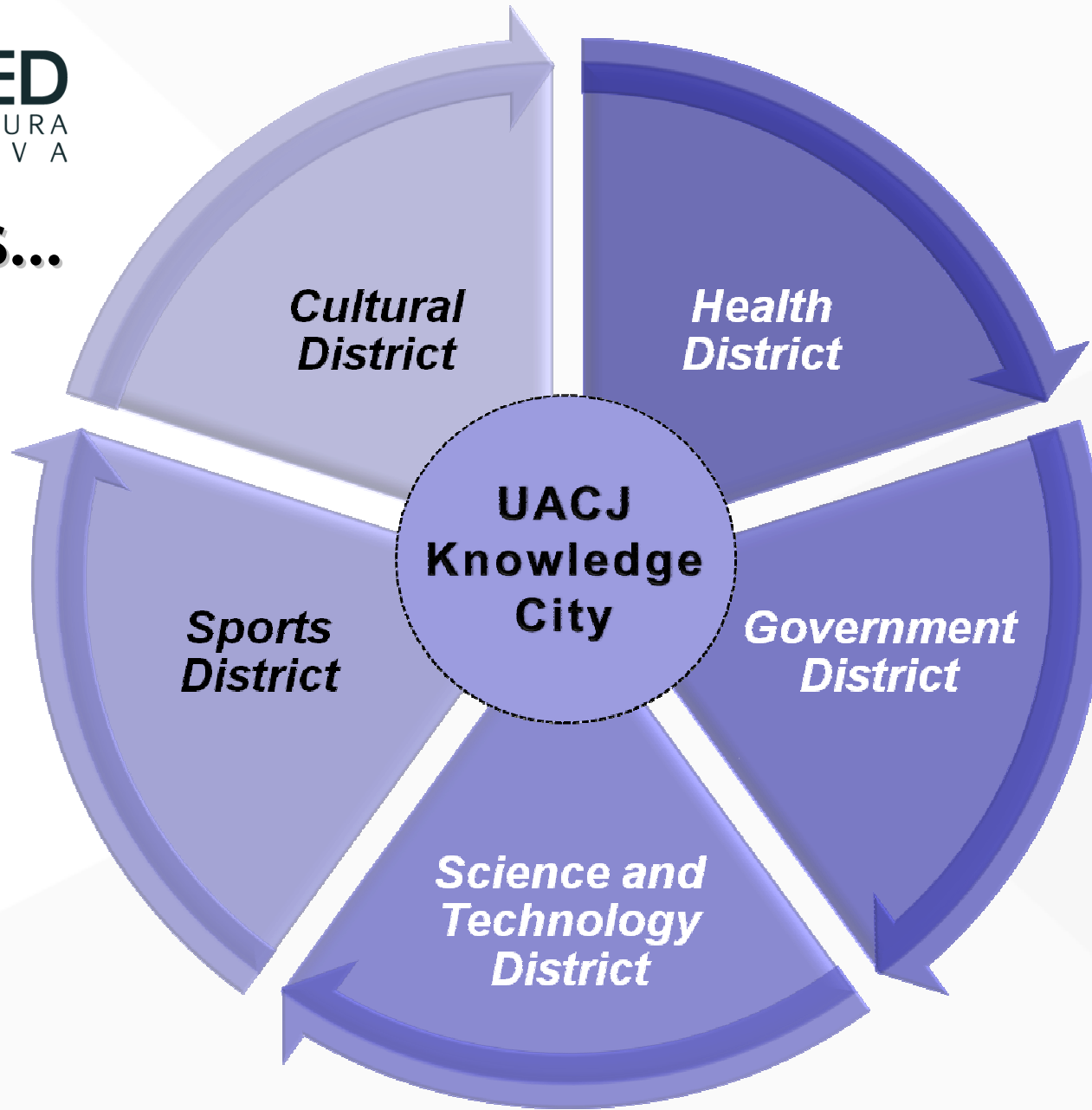
Bridge + Wind Concept.





Bridge + Wind + Regional Icons

Districts...





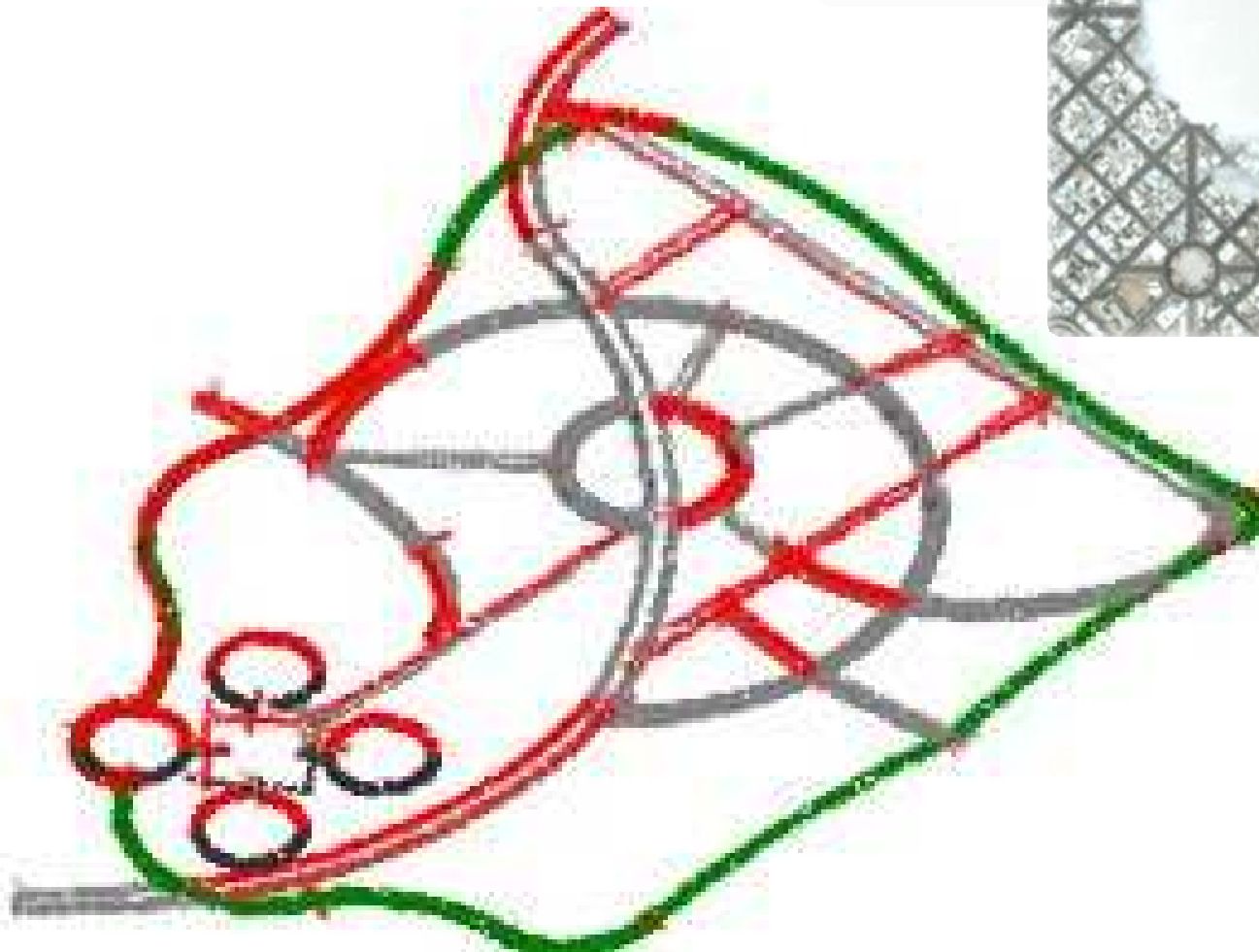
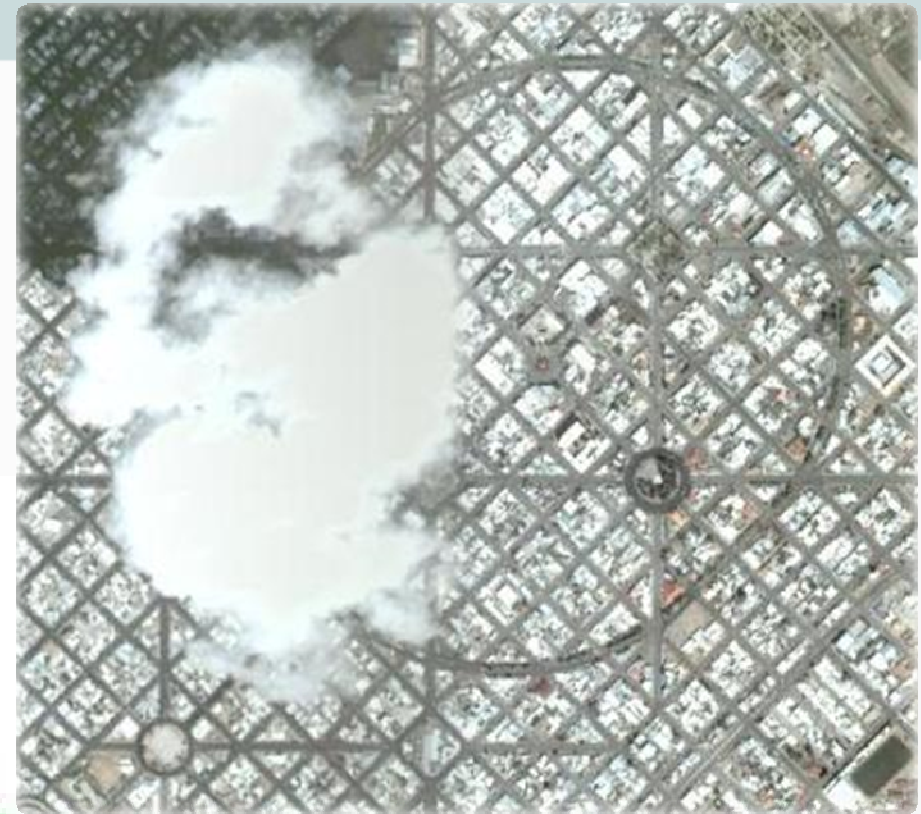
Bridge + Wind + Regional Icons + Districts



Paquimé and Delicias encounter.



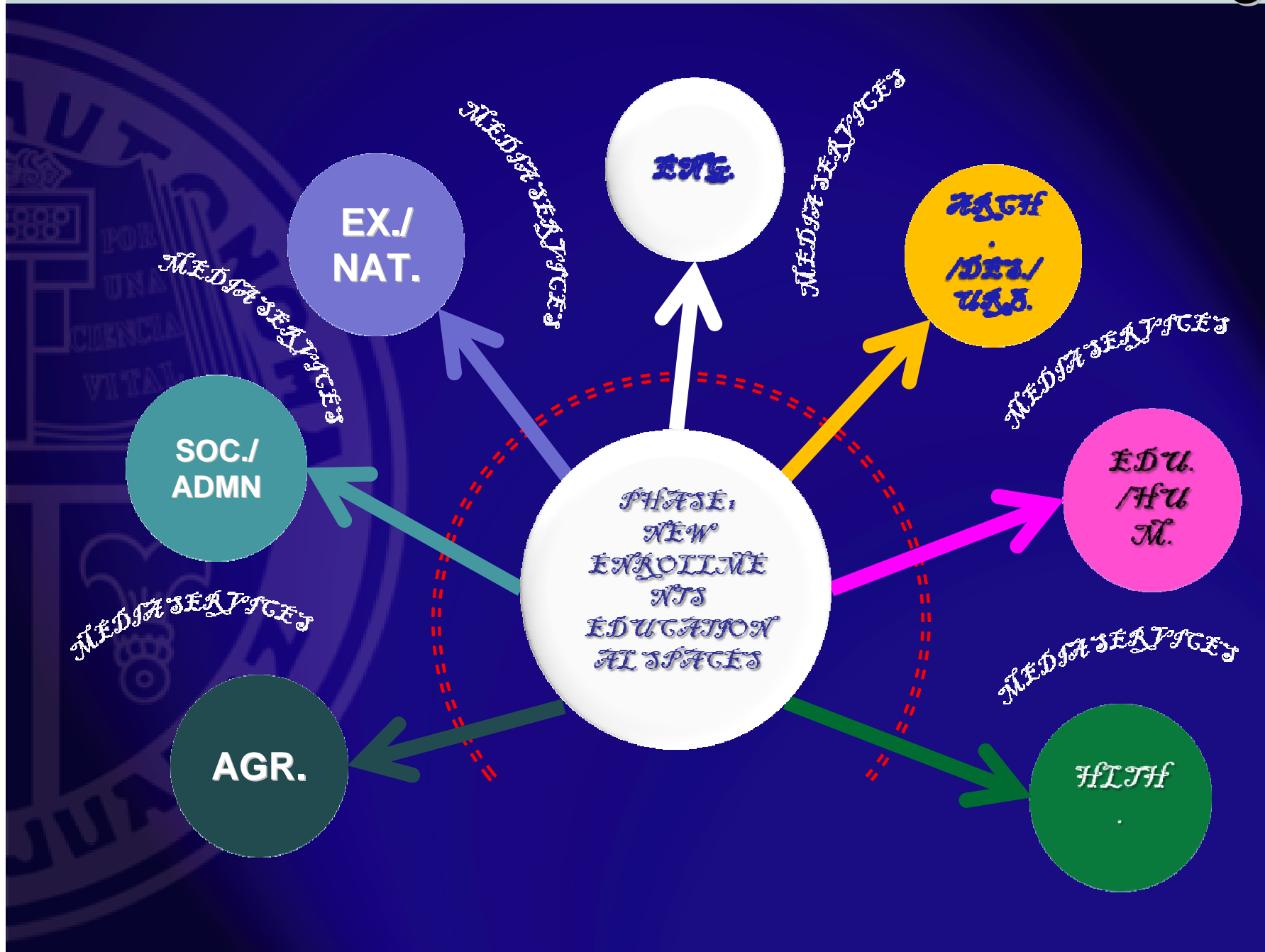
Conceptual thinking...



Conceptual result...



UACJ: 7 Knowledge Areas.



Sketching to Zoning...



Preliminary Zoning.

-  Phase 1
-  Sports
-  Recreational
-  Downtown

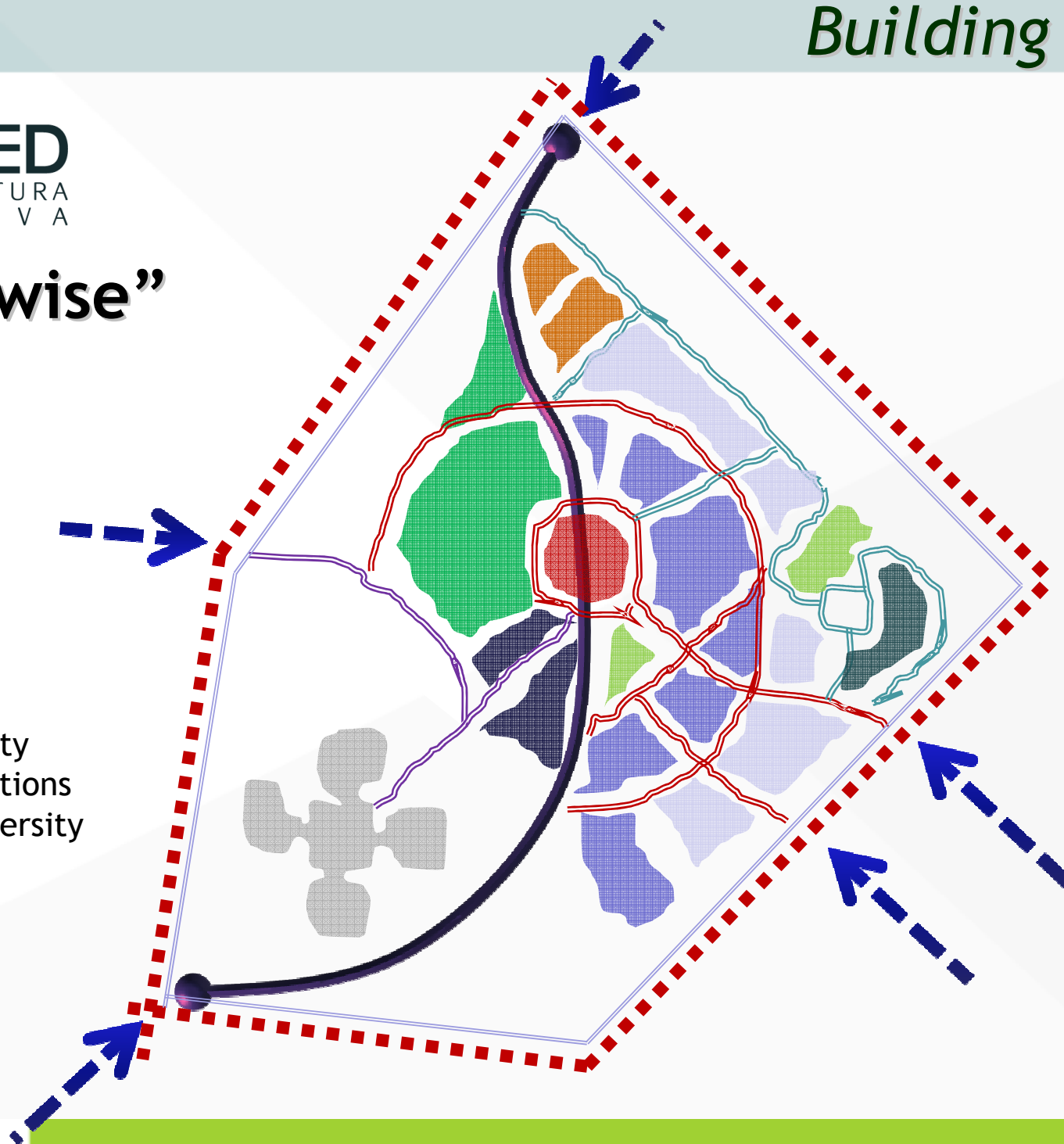


Preliminary Zoning + 7 Knowledge Areas.

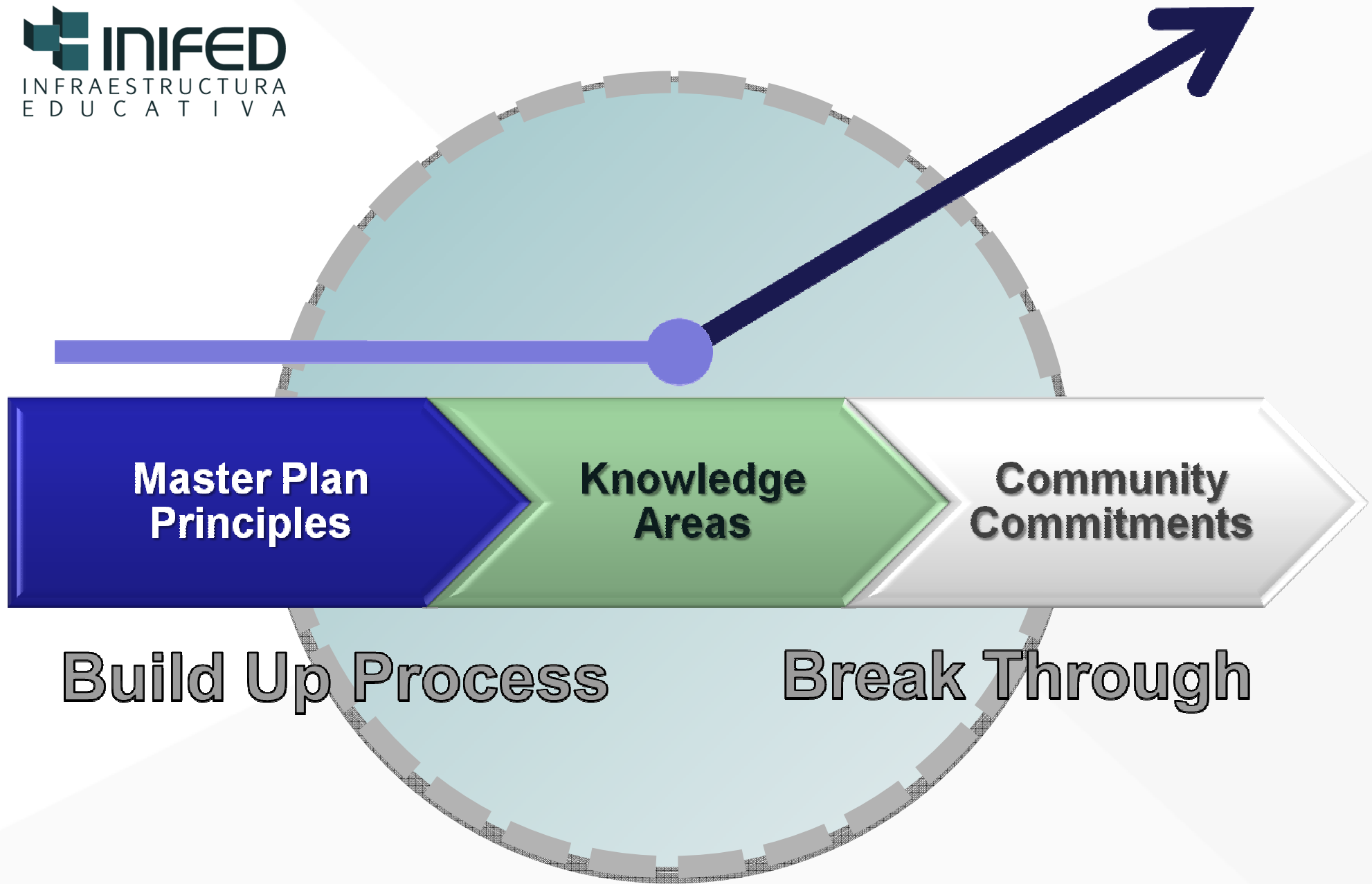


“Streetwise”

Knowledge City
urban connections
with the University
City.



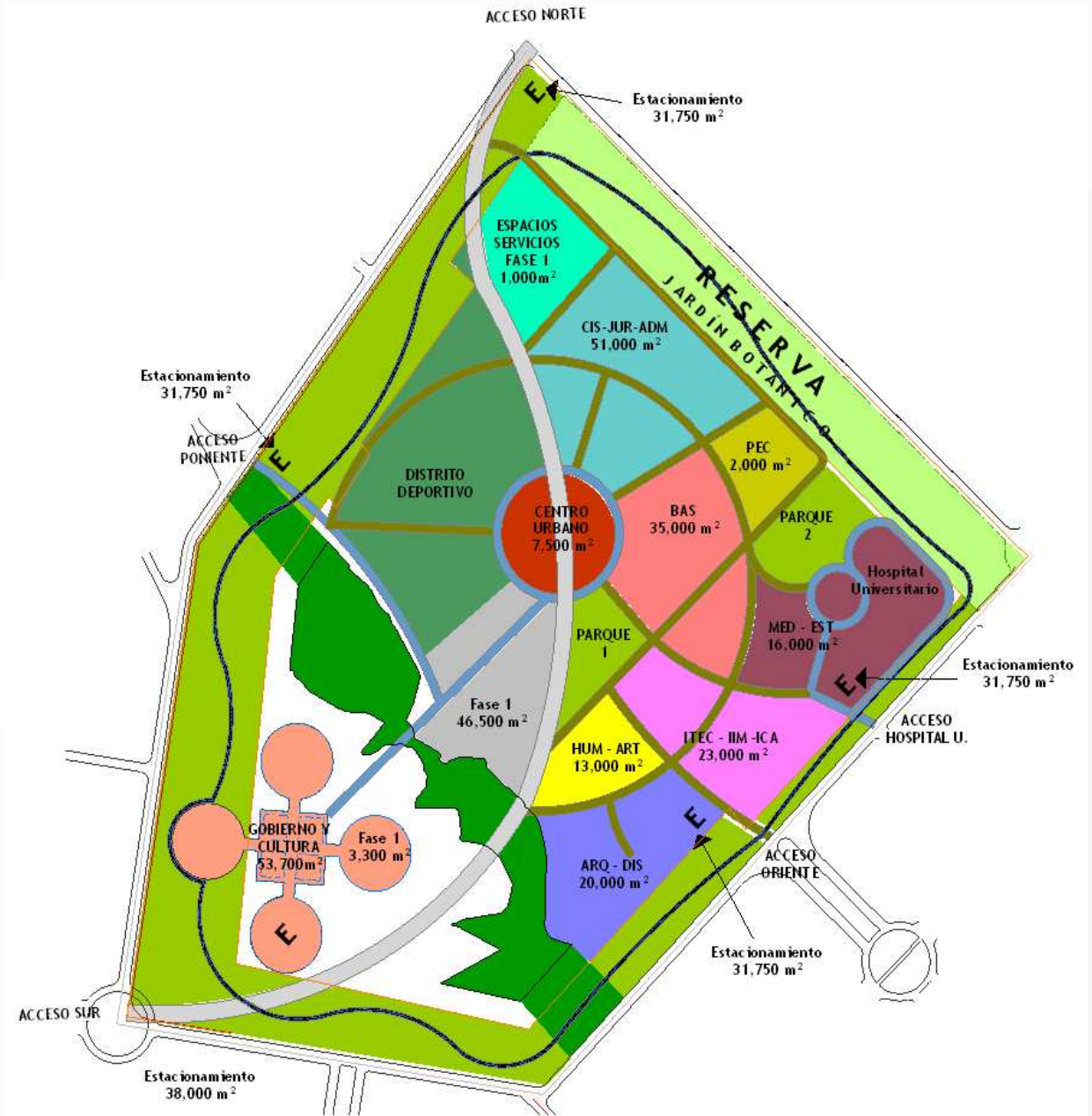
Knowledge City - Flywheel Concept....



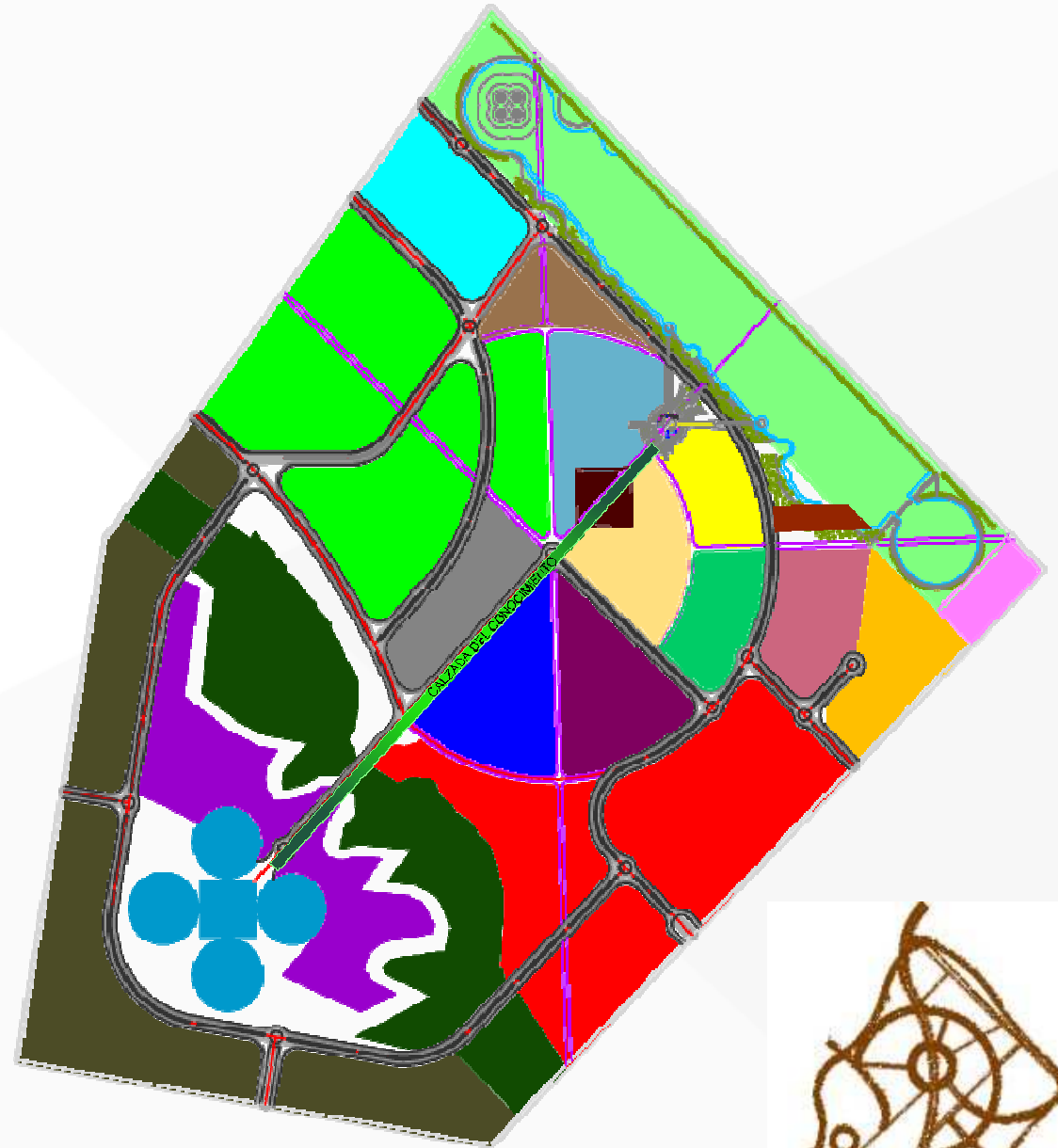
Knowledge City Cornerstone...



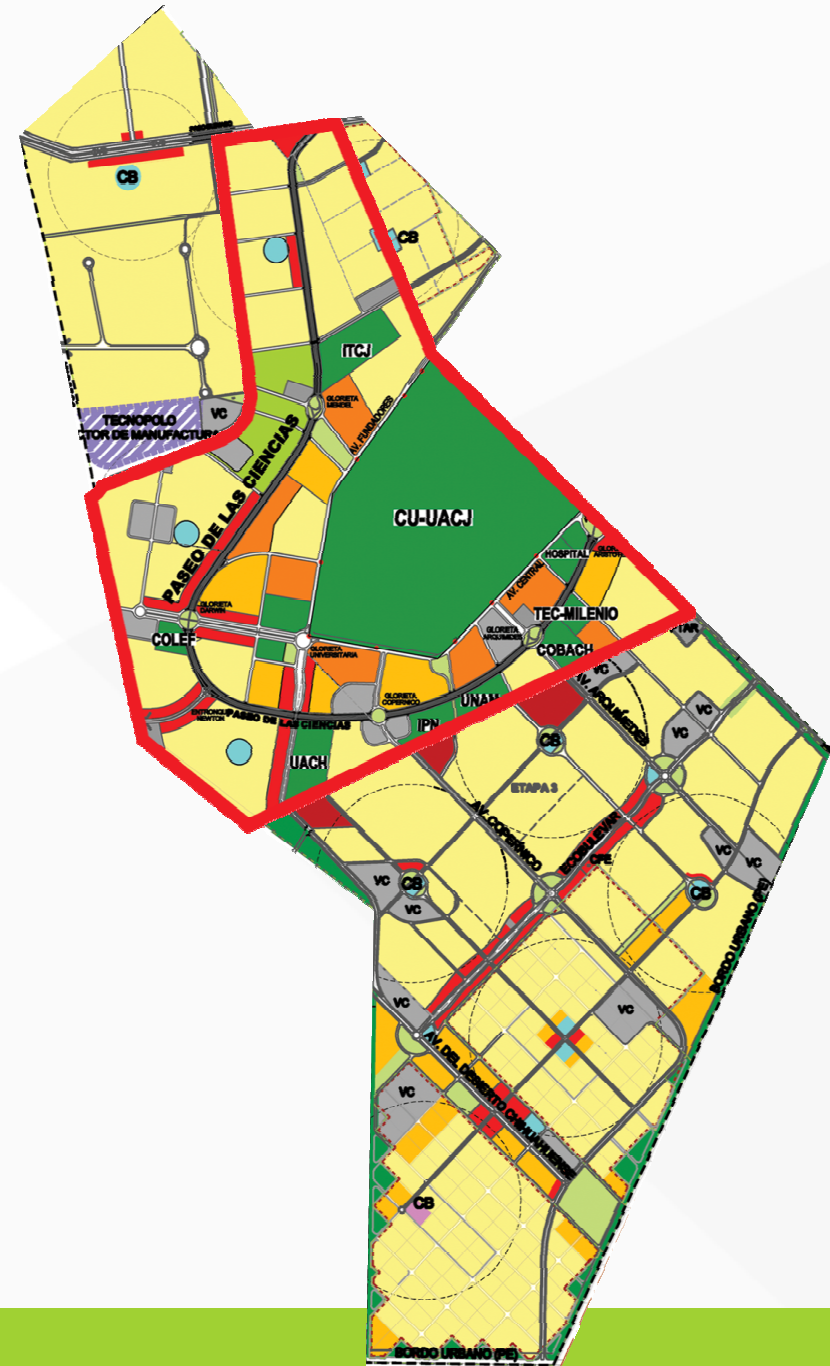
- CIS-JUR-ADM
- BAS
- MED - EST
- ITEC - IIM - ICA
- ARQ - DIS
- HUM - ART
- PEC
- DISTRITO DEPORTIVO
- FASE 1
- ZONA DE SERVICIOS
- DISTRITO GOBIERNO Y CULTURA
- CENTRO URBANO



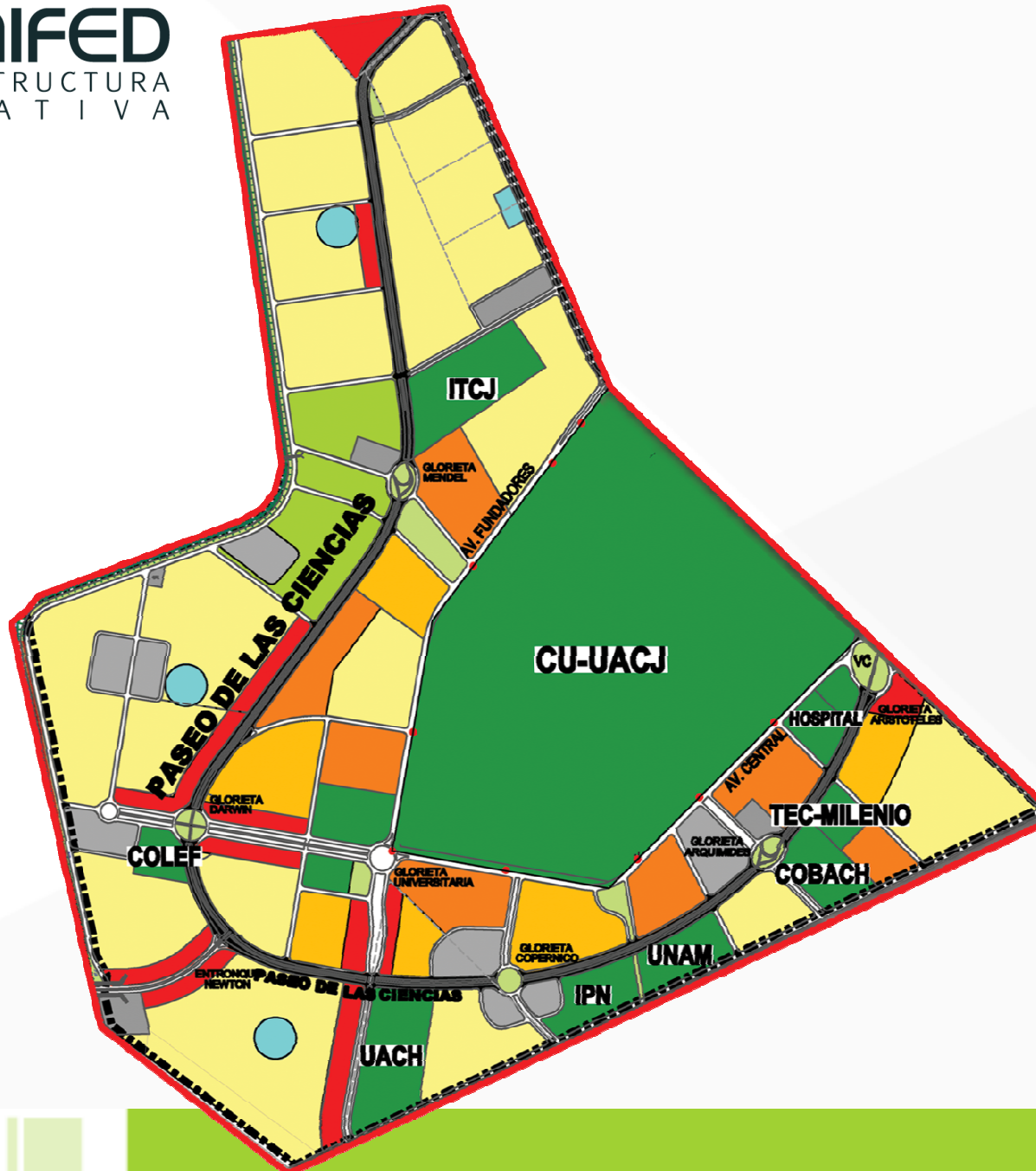
- ❖ Iconic and symbolic elements of the region.
- ❖ Knowledge areas.
- ❖ Sports complex.
- ❖ Community service
- ❖ Scientific development Complex.
- ❖ Retail areas.
- ❖ Recreational park.
- ❖ Ecological reserve.
- ❖ Cultural growth.
- ❖ Walkways.
- ❖ Knowledge Ave.



Knowledge City Heartbeat...



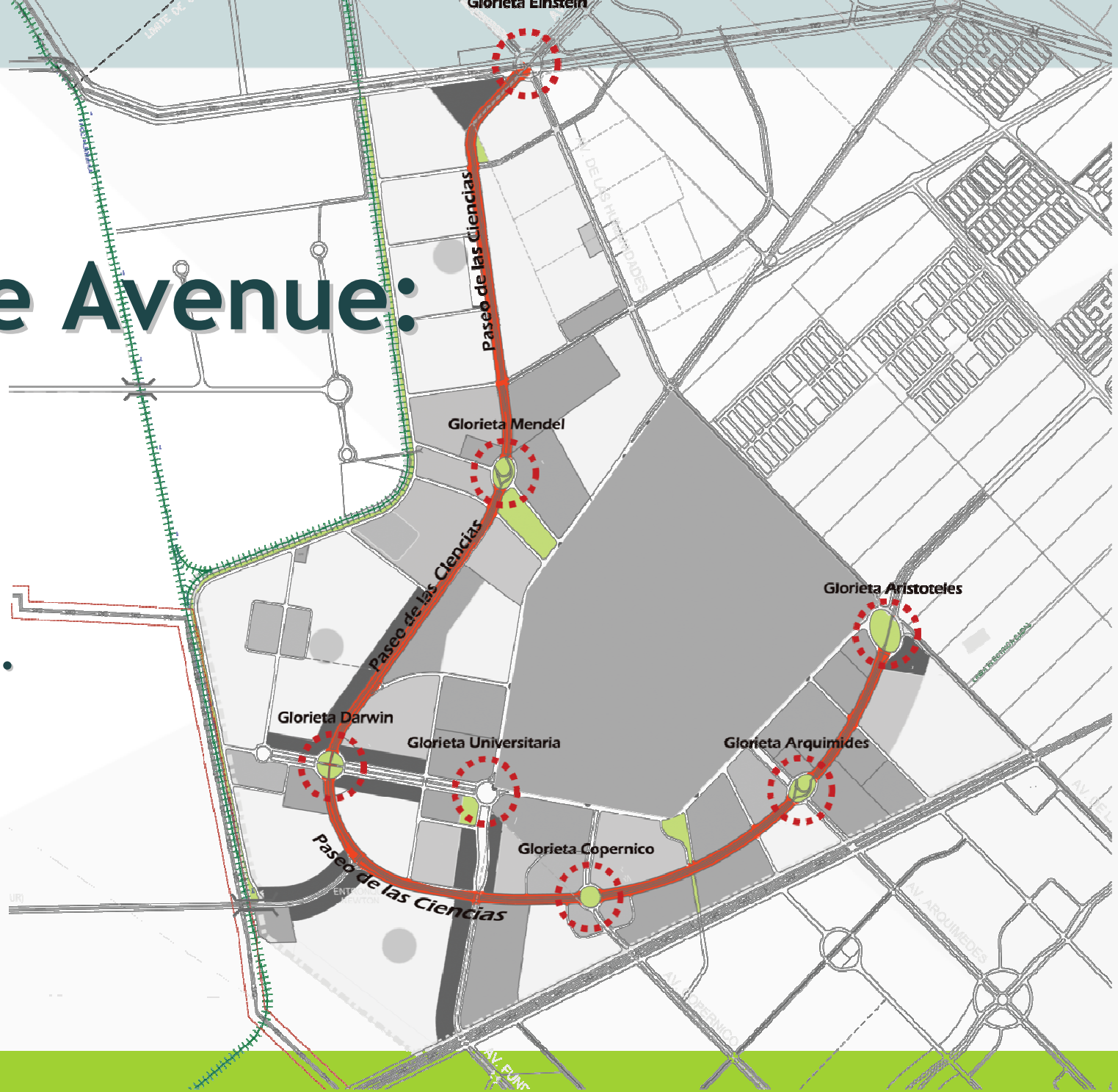
Knowledge City Urbanization.



SIMBOLOGÍA	
	HABITACIONAL
	VIV. ALTA DENSIDAD TIPOLOGIA VERTICAL
	VIV. MUY ALTA DENSIDAD EN ALTURA LINEAL SOBRE CORREDOR
	USO MIXTO EN LA CD. DEL CONOCIMIENTO
	COMERCIO Y SERVICIO (COM) DE TIPO PRIVADO LIGADO A VIV.
	COMERCIO REGIONAL GRANDES SUP. AGRUPADAS. PROYECTO INTEGRAL
	EQUIPAMIENTO (E) Y/O CENTRO DE BARRIO (CB)
	EQUIPAMIENTO DE AREA DE INFLUENCIA
	ESPACIO ABIERTO PARQUE VECINAL/URBANO/DISTRITO/
	CIUDAD DEPORTIVA
	BORDE URBANO (PE)
	ZONA DE INDUSTRIAS EN PARQUES
	TERMINAL - PARADERO - RUTA BRT ENCIERRO TRANSPORTE
	PTAR
	VASO CAPTACION PLUVIAL
	RESERVA URBANIZABLE
	LIMITE CENTRO DE POBLACION
	LIMITE DE CRECIMIENTO

Science Avenue:

- ❖ Einstein.
- ❖ Mendel.
- ❖ Darwin.
- ❖ Copernicus.
- ❖ Arquimedes.
- ❖ Aristotle.
- ❖ University.

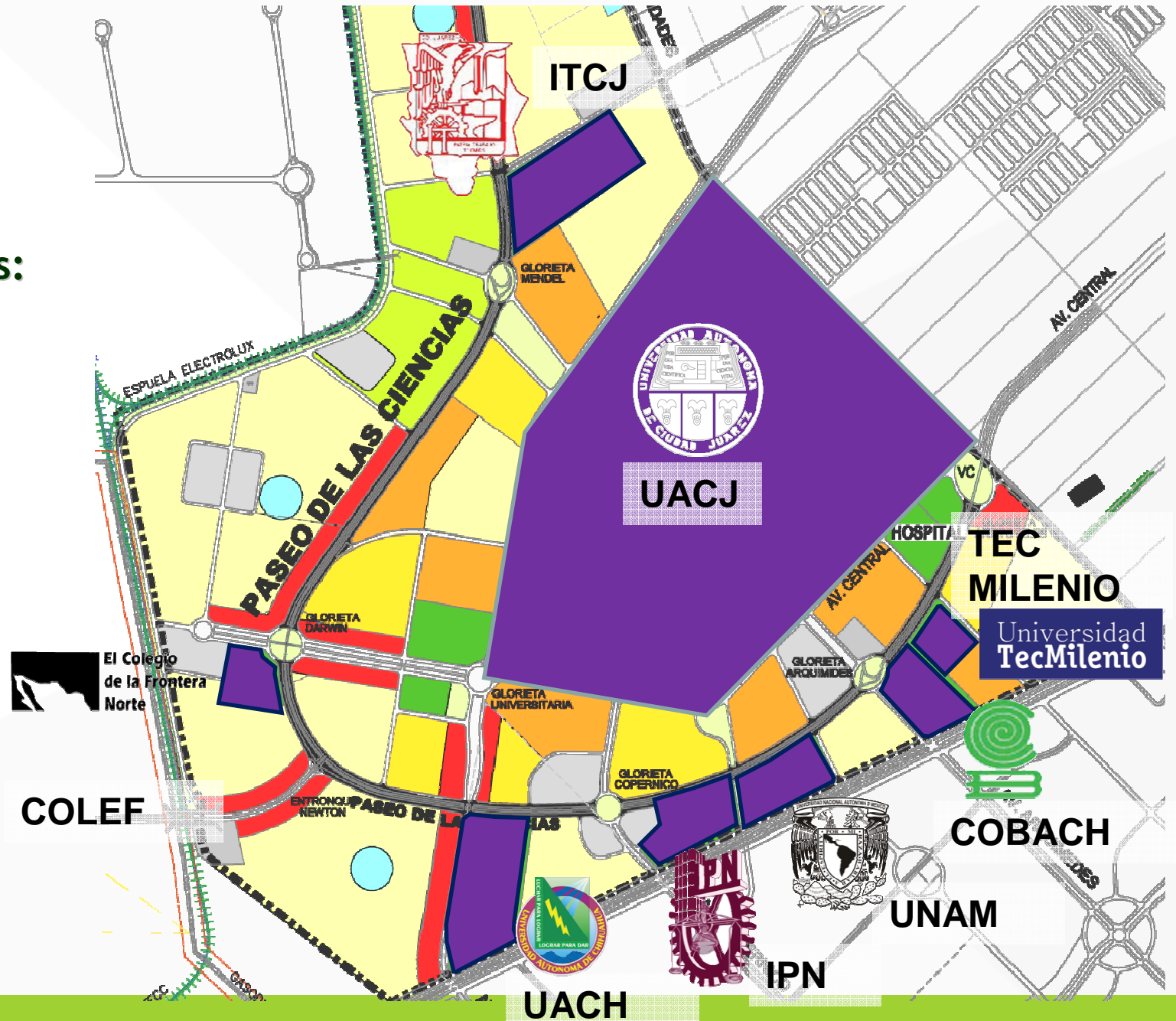


Meet the Neighbors..



Tertiary Institutions:

- ❖ Tec Milenio.
- ❖ COBACH.
- ❖ UNAM.
- ❖ IPN.
- ❖ UACH.
- ❖ COLEFI.
- ❖ ITCJ.
- ❖ UACJ.



On going architectural designs.



Lessons Learned.

“I would rather earn 1% off a 100 people's efforts than 100% of my own efforts.”

John D. Rockefeller

Opportunities.

- ❖ *PEOPLE...*
- ❖ *Economies & Futures...*
- ❖ *Upgraded Region ...*
- ❖ *Better World?*

Challenges

- ❖ *Current crisis...*
- ❖ *Social willingness ...*
- ❖ *Traditional practices?*
- ❖ *Innovative practices?*

- ❖ **“C.S.C.”**
- ❖ **Constant Society Commitment.**
- ❖ **3 Levels of Government involvement.**
- ❖ ***Progression Base Concepts.***
- ❖ **Adapts to short, medium and long term planning.**
- ❖ **Developing of the most important assets in education...**

Most Important Asset:



“Upon the subject of education, not presuming to dictate any plan or system respecting it, I can only say that I view it as the most important subject which we as a people can be engaged in.”

Abraham Lincoln

Thank you for your time.....

Any questions?

More Information:

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