

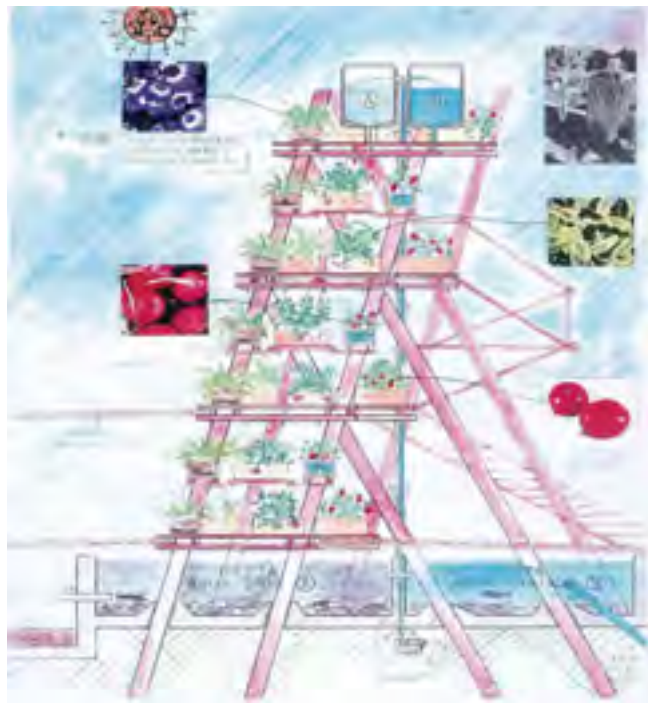
How the knowledge cities will be?

Uthopos does not have recipes, but on having diminished the inequality and the inequity of the cities, all the parts will be able to communicate without dread and without violence; they will eliminate the sensors, the obsessive television electronic control, the gratings and compartments. The enormous private areas will be progressively transformed in public, because the limits and borders will be softened between buildings and properties. With the increased communication the deep desire to cultivate everything will be born in the persons, of joining everything...

We raise the knowledge and the landscapes in constant association. The development will be working gradually in tuning in the rhythm with the capacity of nature recovery .So, the proper architecture will educate in cycles, metabolisms, in an almost musical rhythm We are calling to the " 3 C " to communicate-to landscape and to understand.

-.

The almost raised cities will be gigantic schools, real clusters of knowledge. The historical zeal of the man, from the discovery of the agriculture consisted in accumulating and in concentrating perverse material things, virtual goods, etc; producing now the bifurcation towards another form of accumulation: knowledge, pleasures, cultures, communications. The individual person can learn all from his own city because on having intervened in his collective auto management, it is a common, unique, and a biographic material project. The young men role as protagonist will be decisive in the management of the cities of knowledge; according to statistics of the UN. Young men and women's proportion at the present time is the largest in the history. This it is the challenge to lead the change.



The biotowers lodges gardens hydroponics in several staggered levels

They will be the solution before floods increase the sea and rivers levels.



FROM DIVIDED CITIES TO CITIES OF KNOWLEDGE –

This age raises a revolution because of the spectacular advance in sciences and in knowledge. They live together with a planetary vulnerability irritated in last 20 years, not only for the natural disasters, but also for the increase of an extreme inequality, getting out of the system to an enormous report of the populations in the whole planet. In the next 30 years the population is going to double, it will be urbanized and world will center in the suburbs of 3er world, therefore we say that it's in these territories where big future challenges reside to be solve for the architects of the whole world.

Uthopos raises a singular idea: it says that being the current paradigm of the evolution, of the development and of the sustainability, based on the constant production of knowledge, there is a way for the 3er world countries to accede, sharing and to socialize at once this wonderful resource of. The idea is that the own manufacture of the suburbs cities, their same construction, under the modality auto management, cooperative, as part of the same process of shaped, being a fundamental experience, unique, a real laboratory of continue innovation. A laboratory to reinvent the world, the relationships, the values, the type of institutions, the criteria of places and of time, the coexistence and synthesis of the explosion of the times of this new age. For this laboratory of the future we call to the architects of the world to constitute in volunteer work for international projects in a brotherhood which goal is translated into measurable results for decades. -



EE.UU



Migration drama and going around carrying the home

Afganistan



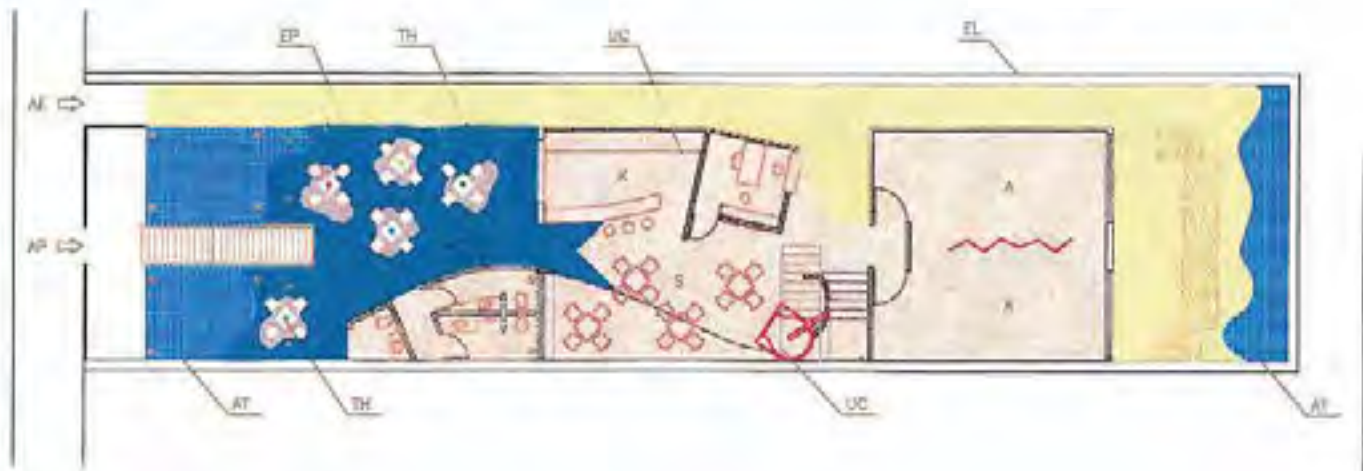
The eco center.

The Eco center. The young men eco center for the Tobar Garcia is a product of a social company that auto constructs and auto makes the materials and components. It is a question of a center of training incubator of micro projects. The Eco center is a real energetic laboratory, recycles its waters, the water of rain is preserved, transforms liquids in fertilizers, heats the habitat with waste, the roofs are urban gardens of hydroponia and aeroponia.

In downtown!!

Tobar García

BT-bio tower Gardens
H-plants in flats
EP - eco patio
TH-hydroponics tube
I - greenhouse
UC - heat factory
MT - trombe wall
AP - aeroponia
PH - Hydroponics Bridge
PS - solar collectors
AT - treated water
TR - The roof as a water collector of rain -
EL - eco brick
CH - hydroponics culturing
D - digester
CC - chamber to load
CRB - mud chamber
AE - school access
AP - public access
A--classroom workshop
Or - office



If we remember the importance of establishing an address, or of establishing itself in the Kusch's anthropologic Andean studies as condition to establish essential circuits with the universal energies and to reduce the entropy by increasing the energetic transactions. A base address that would allow to answer and to support codes in sufficient units of prolonged time to facilitate the advance in complexity of any scheme and to prepare the evolutionary jump that needs the World of the biodiversity. But besides what already Kusch had raised that the "domicile" was the condition to open the circuits. Our tracking in the American mythology and especially the history of the twin brothers in the Popol Vuh reveals that the search of sustainable schemes would be important for a series of strategies of survival, elaborated to overcome negative or pernicious situations. These strategies are founded in preservation. " The basic path: the continuity "

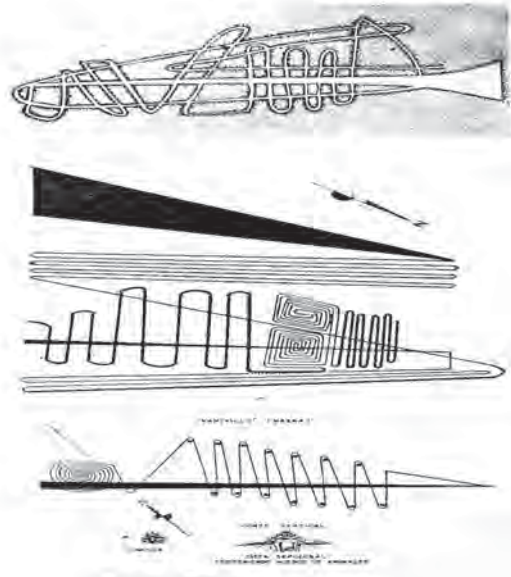
The strategy that the twin brothers raise in their mythical wanderings is to see the process and the goals. To remember always the beginning of the whole process and its purpose, since the recollection and the game support and locate the frame of the own and proper reality.

The way of looking seemed to be essential to focus the reality

- To keep the look fixed in the way and not to imitate others
 - To know section to section
 - To drift apart from the immediate thing to play and to triumph
 - To remove himself between his eyes and the reality.
 - Need of discipline for an exact reading of the facts, we remember the disadvantages that arise in the Myth as a result of looking too far.
- How to orientate the project? It seemed to incline in the search of a binary direction, after two positive answers a scheme is formed (to see of the Quark and the Jaguar - Gellman) and begins the forming and a magic construction, the accumulation of words in order that the verb takes shape. The structure must be exact and rigid. Conditions that Gelman indicates for the complex systems.

An initial process of accumulation always will be supporting the repetition of the scheme.

How to handle the information? Using the system of the popular etymological story, like that statement a messenger swallows to other one and the news of which they must appear is communicated to the twins who learned the past history from the saliva of their parents. Their condition does not get lost when they go away, but the recollection is inherited) this way the memories belong from dangers. Establish a ritual center and to remember the source.



This way the sustainability and the scheme for the survival is constructed in a game of opposite that was implying a search of

- Choice of materials adapted to construct the habitat of the man.
- Proper words.
- Wave forming magic

To avoid the enemies is indicated to imitate, make a ritual and to do that the symbol replaces the fact. To change *the form* according to the functions to realize, the total concentration and the programming they allow showing the forming verb, which does a men in an instant.





Ecoplaneamiento: concentración y organización de interacciones entre entes diversos a escala micro

EFFECT MAYONNAISE

Effect Mayonnaise is called to the following image: We Think a world of units under the threat of processes effects of intense fragmentation and loss of identity. The local authorities are dislocated and historical continuities in chaotic processes that they lead to a way of dispersion and migration to the weakening and disintegration to forming new units in the middle of contexts marked by the sharpest concentration of goods, resources and widespread effects of inequity - inequality where the force that accelerate, it disorders and fragments one has implied the essence of the power and the annulment of values and autonomies.

Under these forces effects the historical entities or cultural ecosystems can manage to be reorganized in movement by a way of construction of new edges or borders that organize the closed of the entity in order to construct and to preserve an alternative and autonomous project. This edge, border or ring is constituted to organize a program capable of orientating a project of autonomy. Therefore this membrane is the essential condition for the survival of any type of vital organization capable of confronting new conditions for the creation of values in a dividing context.

Our studies indicate that with an appropriate Stump it would be possible to reconnect myths, philosophies and science of the complexity in order to construct the critical mass of a system of capacities, know ledges, strategies and energies capable for orientating a joint and massive projects of long term of enormous complexity, in conditions to grow in means and separated and dominated powers by ways of hyper economic rationality.

A scheme will manage to return sustainable if it belongs to a project of biodiversity and it's capable of operating from the small and local thing in an operation of repair and bond between times that constitutes its new force and nucleus. Precisely this leads us to conceive ways for planning strategies and mechanisms, holograms type that allow operating from every local scale and Micro with an information Macro founded on the great history.

One organizes the closed of the scheme and concentrates in its interior wide energy and information, re-accumulating inside the scheme all kind of local raw material (waste, biomass, energy, productive means)



The re-detained from the analysis and reproduction of the American myths: " In any change the important thing is what remains "Maturana. We conceive sustainable schemes that consider principally that the sustainability and the biodiversity are seriously threatened by multiple factors. The threats underlay in reasons as which Paul Virilio calls culture of the engine it's an acceleration of all the human processes activated today by the proliferation of information systems. Virilio indicates that this increasingly destroys the Memory, denied the time, individual and social memory and of equal way the threat hovers on the place, or what Marc Auge calls "no contemporary place". The "no place" likes the opposite of the idea of a "home".



How is possible to grow?: It is a question of liberate and recovering the extraordinary force of the vernacular American knowledge, with more than 1000 years of experience, recovering the extraordinary vocation of growth expressed in the Andean computers. It is the power of the tacit holistic knowledge, enclosed in the myths.

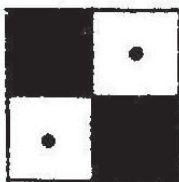
THE PRODUCTION OF THE CITY, OF SUBURBS can be constituted in the way and in an active program for collective auto management of new values of use, of community in a world dominated by the traffic of goods.

A HUGE COLLECTIVE AND A TASK OF BROTHERHOOD, IS NEEDED TO SOLVE A SCALE OF PROBLEMS WITH MINIMAL ECONOMIC RESOURCES It needs an unpublished mobilization of solidarities. Simultaneously it implies the popularization of the whole set of instruments and capacities of the science and the technology. This critical mass of planetary available resources but not used at all, it can produce its results in the connection and synthesis of its application in the production of the public habitat. It is this production the one that allows expanding the resources of the revolution of the knowledge to million underprivileged persons. And as what they produce are cities, these values happen to be a set for the social classes, so this way the city gets democratize.

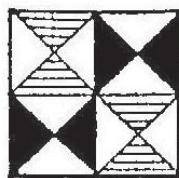
THE INFORMATION REVOLUTION must link basic knowledge of auto management with simple machines, didactic manual, thousands of designs and processes of agreements. To recover the Andean experience: for us the closest, has been the most expansive, massive, didactic experience in the global managing of territories for character sustainable and to preserve the total ecosystem. Because of it, the need of recovering and reproduction of the concepts, contributed by the science of the complexity. Today it is a question of INCLUDING to millions, of integrating of re-colonizing and to re-settled the urbanized territory.



This way the revolution of the architecture is the revolution of the incorporation, of the equity. It is a question of expanding the scientific revolution in the masses to solve the problems and integrating them in the same habitat. For it they must expand instruments all over, instruments of holistic character, where everything is in the parts and this way to make easy the comprehension of the COMPLEXITY quickly. IT IS THE EXPERIENCE OF THE ASTRONOMIC ANDEAN HUACOS AND OF THE ANCIENT PEOPLE WHO MAKE THE SQUARE ANDEAN CROSS to expand these instruments and socialize by the way of organization that the architects have, it will be the way for the ARCHITECTS OF THE COMMUNITY.



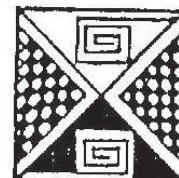
90- Inca



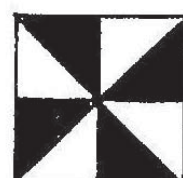
91- Inca



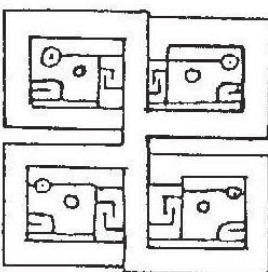
92- Inca



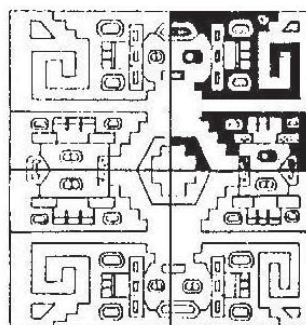
93- Inca



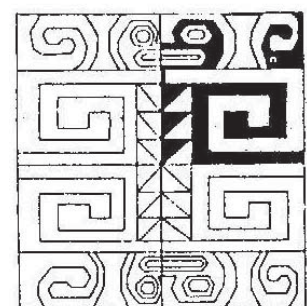
94- Mochica-Inca.



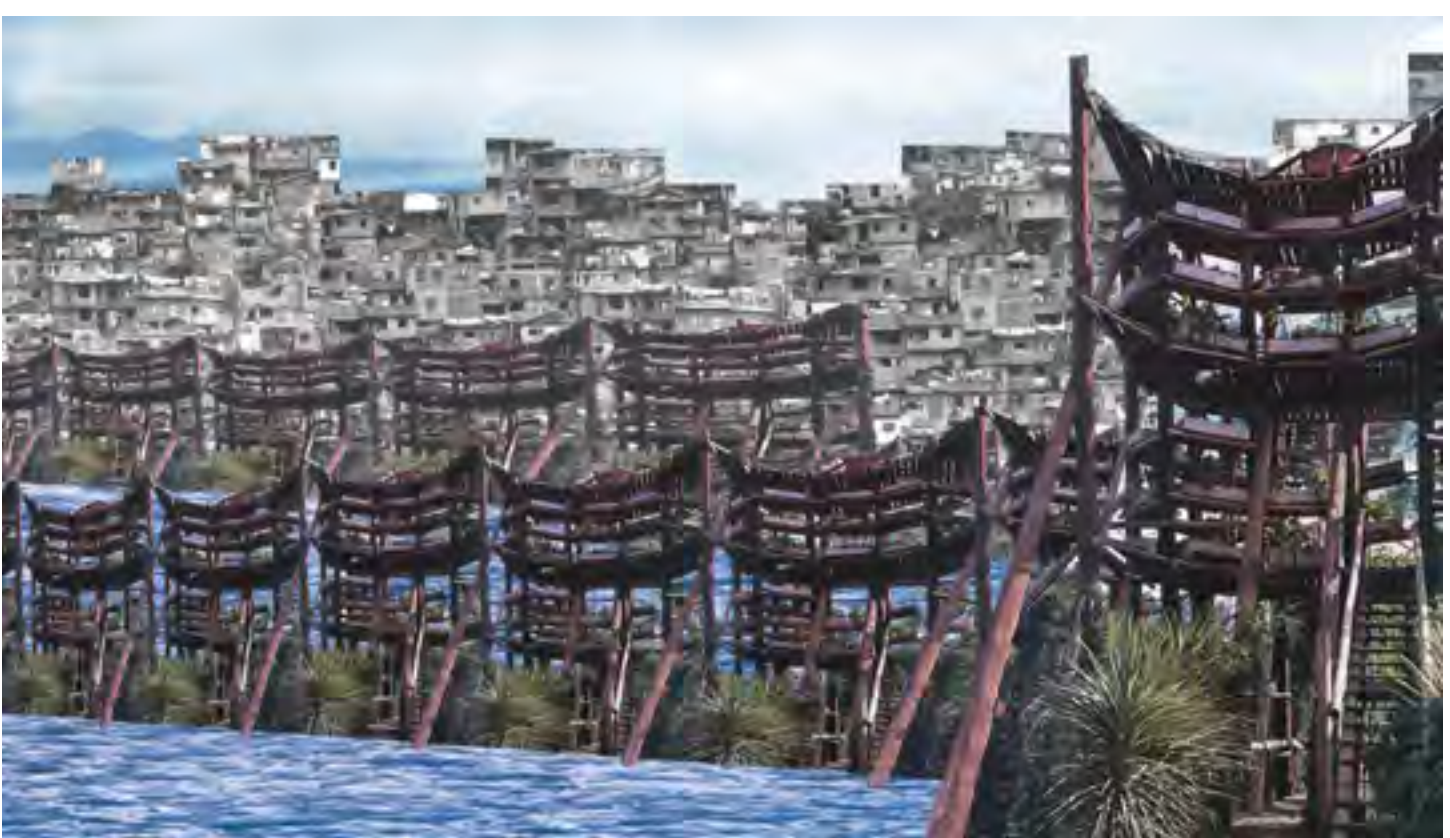
95- Tiahuanaco



96- Huari



97- Huari



This Bridge between universal, ancient times and its process “Pacha” allows to open a way to popularize the complex knowledge and to achieve its massive appropriation. This knowledge is a transformer, enclosing and collaborating, and allows repairing fractures in all the levels. The repair of these fractures needs for practices with the materiality of character for testing of new values and imaginary. And these tests are realized with the same acts of repair for the vulnerabilities and the beginning of a new storage place. This repair and resettlement can take place forthwith for the collective production of the habitat.

MODELS TO REPAIR VULNERABLE REGIONS

The construction of sustainable regions in 3er World needs of the emergency of new concepts capable of orientating schemes for development in the long term:

- **It needs the installation of concepts, strategies and methods capable of offsetting the effects of dividing forces stimulated by structures and macro economic forces**
- **It needs of a continuous development of social knowledge, assigning to the social set in this evolutionary process by means of the managing of synthesis, patrimonies and vernacular knowledge with those contributions to science of complexity.**

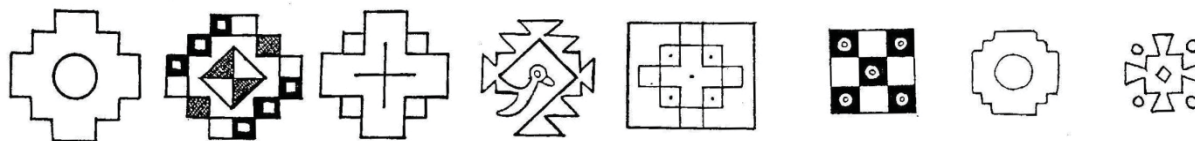
This is a way to make it easy as a result of the information revolution and its impact in the liberation and mixture of times

- It needs to synchronizing and to coordinate the rhythm of economic growth, those of production and those of consumption with the times of regeneration of the nature
- If the poverty and the environmental degradation are narrowly related, the topic is to find process of overcoming of the poverty
- The reproduction of instituted values of the production of new values as a new way of conceiving the form of the habitat
- Design "enclosing", of integration cities, models of integration. Cities like an equity model, models of social redistribution.

Possibility of relating cities to planetary scale, between cities and peoples of 1r and 3er world. Principles of design based on a synthesis of biodiversity experiences between 1r and 3er world. The inverse of the processes of settling the cities in the colony ages. Now the multi and the new hybrids origins would be related in brotherhood

Automanagement and participation





Consevación evolutiva en la cruz andina



Evolución: mutar la estructura según el medio para conservar la organización

Our hypothesis is based in the reality of our societies are evolving under the impulse of authority of the financial capital, the telematic revolution and the increase of information, one might produce a "bifurcation" of the net of information - acceleration towards another net of "closed" communication based on the deceleration and auto management combined with a desegregate of the power and the material resources. The reconstruction of the public order in the way of the habitat they would form an alternative base on a counterfoil of integrates communication.

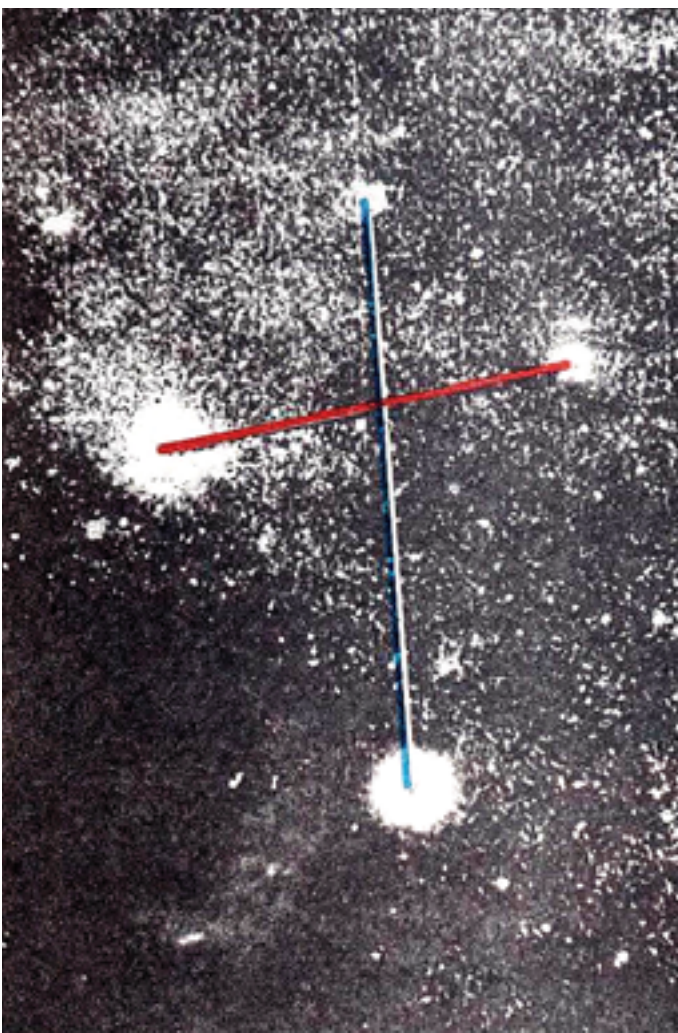
To the telematic society follows the city of the "communication". This it is based on nets and bridges based on the expanded auto management and on the practices increasingly intense of direct and nearby democracy.

COMPLEX THOUGHT AND ITS POPULARIZATION

A tool to built sustainability towards the global planetary change

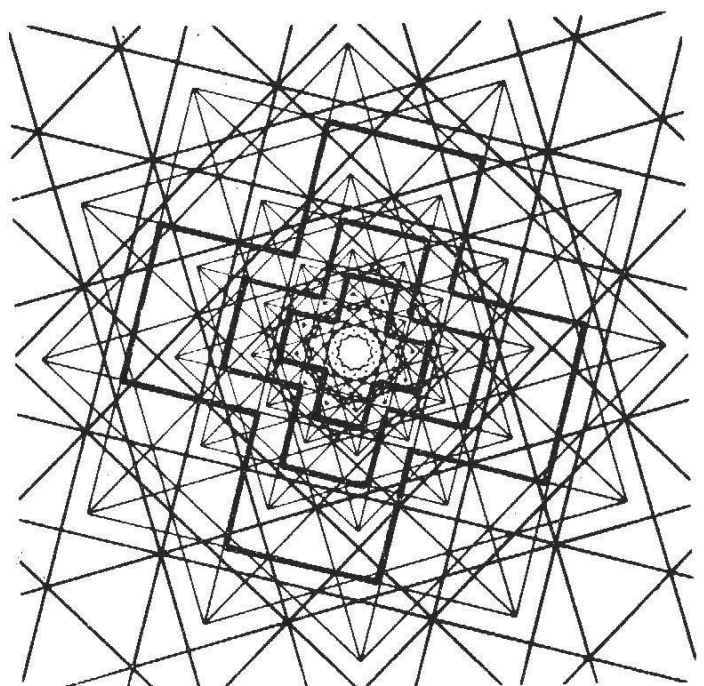
The complex knowledge already was incorporated in the vernacular cultures for a lot of time threatened into its disappearance. This holistic knowledge allowed to handle massively and the multiple problems of high complexity opposite of continuous imbalances in harmony with the environment. We know that part of this was fractured by the colonialist irruption, the hegemony and absolute authority of the western rationality, remains in the genetic codes of the American culture. This conservation (in any change the important thing is what remains, H Maturana and the conservation of the organization is a question of survival) allows to do today a bridge and synthesis with the science of the complexity forming an instrumental "Pacha Mamma" combined a great capacity to produce transformations.





Cosmic relationship

To socialize and get aware of the capacity to see and to act in harmony with the Earth. This would allow to be overcoming the age of fragmentation, concentration. In the age of the acceleration and collective loss of the place and of the biodiversity, the acceleration generates the loss of the memory. It is necessary for it a paradigm that submits the human action to the creative factors of the Universe. It would imply updating holograms and tacit knowledge, of ancient type, assigning to the time, the creative role and computer (I CHING). The Andean computers illustrated show already the obsession that is installed in our culture for the growth. The birthrate, its domiciliation transforms in goal and this project is the resolution on the basis of the global resources of the telematic age and for the globalization. The birthrate to planetary scale in 40 years opens the possibility of the change with the unification and everything will be able to communicate and re-adapted for the socialized revolution. This implies a TAO OF THE HABITAT.



Andes Rythm will be the order to design even the little things

Necessary to the new paradigm of collaboration and biodiversity, there is imposed the open minded in order to define new processes of auto management and the new values of the public and semipublic dimension. GAIA: There exists a unit GAIA in every portion of the territory assumed as a living part, of a living organization. In this sense, the time plays an intensely creative role. And there is a connection and synchrony between the natural ecosystem and the cultural ecosystem that allows the evolution in equity - collaboration - new investment - accumulation and results in processes and biodiversity. This way we could review a portion and

The total (Bohn D.) completely in the parts and a rhythmic agreement of the evolution. This territorial unit GAIA decomposes and fragments and re-composes in diverse historical moments.



Lo Micro y lo Macro
en sintonía (Geoglifos
Nazca - Perú)



The Tao of the Space.

The public production of the habitat will be a fundamental component in the germination of values of use of the humanity. These values will allow the reconstruction of biodiversity and to prepare the fabric adapted to expand the vegetation in the territory and to facilitate the conditions for the new birthrate and the population explosion will happen in 3er world. This implies the urgent preparation of reserves. The space has a limit for what the sciences of the habitat will have to conceive, new principles on the basis a stretching of the surfaces, accommodating this way bigger population. It leads to eliminate the dead zones, without communication or movement. The increase of densities needs to have open edges and borders. This communication between environment components will be decisive for several reasons:

The new age will express in terms of movement, of processes, of times, mutations, changes, interchanges, auto management, revaluation of the nearby biographical resources and of the public memory. . The housing needs to bring in first place: the green and domestic architecture, which will be growing. Therefore, the way to do it will be obtained in a process of public agreements. This new "society" and the solidarity in all the levels

Revolution of the auto management: ethics, education, and equity

The revolution of the times liberated in this age; the information has created new unpublished conditions. The coexistence of the times of diverse cultures allows now the mixture, the hybridization of the oriental thought and its immutable principles, the rescue of the popular notions, the information of the Andean cultures, the confluence with the science and the complexity. This mixtures show in the scenes of the suburbs of 3er world. Under the pressure of the explosion of birthrate, the brutal pressure on the scanty reserves, the abundance of the information, the brutal demand of homes.

This atmosphere of changes need new kinds of educations to teach quickly millions of people, they will become the tools to guide in situations of emergency. There are two new objects in the habitat, that make the whole idea easy to understand, one is the natural adobe oven and the structure called kit mix, done with the geometrical combination of cheap 1" wide pieces of wood.



THE KIND OF THE ARCHITECTURE

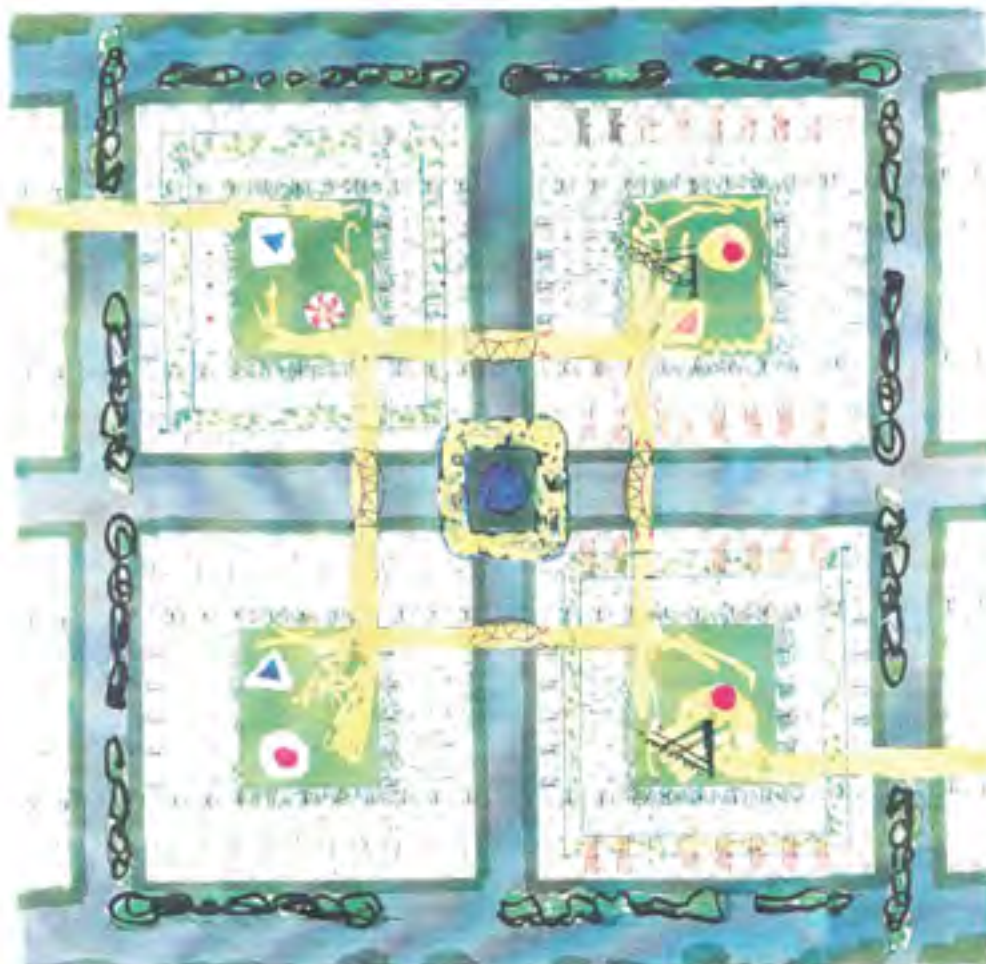
The type of the architecture will be the result of a constant process of agreements of the community as they mature living together and their integration. The world domineering culture will be transformed into material processes based on local nearby and biographical experiences. Uthopos 2002 raises the paradigm of a mobilization to produce conditions for survival, the basic needs that lodge million of persons. Adapting the basic meanings of life is not only a demand or a program for the poor and underprivileged persons of the system; it is the base and the conceptual structure for a model of equity for the world.

Let's start right now. Let's search the way to start researching or beginning in the local area testing and constructing, with the recovery of all the tacit knowledge. Every local culture will be unique and will express the architectural biodiversity. This will be able to feed the cultural planetary net.



The production auto managed of the habitat can contribute to see the need of change in a world of inequity. It can facilitate the emergency of a cultural alternative base, a program of changes, an atmosphere of collective innovation that liberates the practice with models for the local organization, auto managed of problems of great complexity in a process of basic needs and new values. These values in the habitat are processes of auto-organization that can be fed on the resources of knowledge revolution. This implies a commitment and a new professional ethics. Ecoblocks with central and half public spaces organized in a bigger net.

digestor



**Ecoblocks
With mixture
of public and
private
places
working as a
net.**

Uthopos 2002 starts right now

Let's built our ecohome and let's produce our basics resources.

The architecture must be involved in agriculture process because hunger is and issue everywhere.

The ecohome can produce 2 kg (about 3.8 pounds) a day in only 160m²

It's possible!!!

We should plant around the city as much as we can.

Uthopos 2002 introduces the auto management as a method for the local managing of problems of great complexity. The chaotic intensive processes of disorder can be developing in local levels in small dimension by the increase of solidarities. This innovative process of construction occurs holding and regulating the growth in conformity with a rhythmic, musical structure, in tuning in with the path of the spiral expansion in nature. This production of the habitat is a process of rhythmic education that allows to create values expressed in architecture as systems of infinity of diverse local experiences, forming this way with the habitat the base of new territories of knowledge: synthesis of tacit holistic.

Knowledge: This product will be an educational process, base in the sum of knowledge of different people and cultures living in the suburbs. This design can stop the acceleration and the concentration

Imposed by the financial power and globalization.

The ecohome operates with a biological system that imitates the balance of the digester device like a stomach. All the energy is metabolized in successive and slow transactions, and the human being is standing right in the middle of this system.



Close rehearsals

Uthopos 2002 calls for a massive process of creation of scenes of public character where the people can produce their laboratories tests of the change. Let's start by producing our own food, our own energy, to manage our garbage transformation in the Local level. We should use materials that are easy to find, like dirt and garbage. Let's recycle everything we can. We should create a new concept of private property, We are able to auto manage our infrastructure. Let's give a new and determined role to our young men in the control of the public spaces.

To cultivate the city

Ecocenter for young people

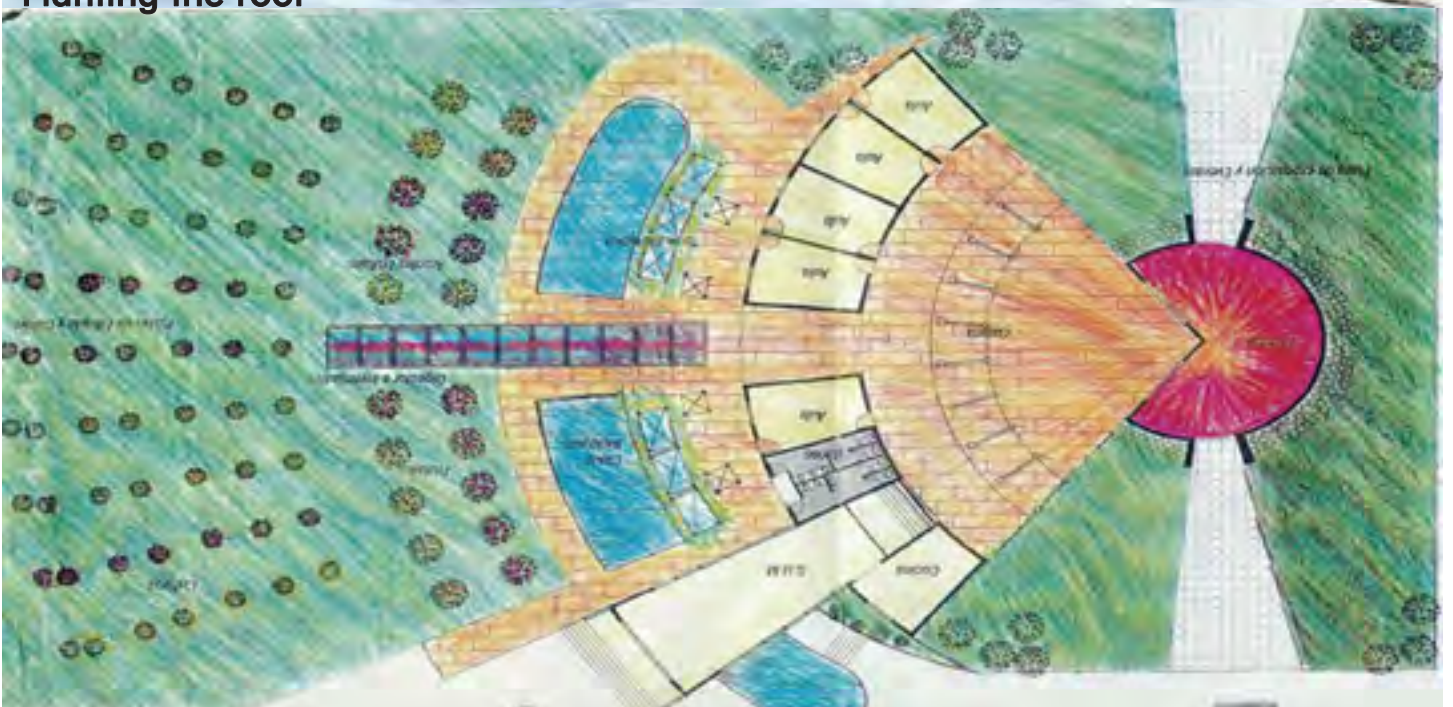


We need a new program of needs that contains new values. We need new distribution of resources and goods in planetary scale. We need a new a distribution of capacities and decisions. Uthopos 2002 give us a paradigm. The most important thing in the changes is that one that remains, the "genetic" code of the culture of the persons. We have to preserve then the codes of the collective. The architecture must be the tool to build these peoples' codes reinforcing the organization and making possible to be the structure capable to support and be adaptable for quick changes.

Architecture will have to face different speeds in this time revolution, the architecture must simplified the diverse culture times to make easy the integration and the solidarity in the new system.



Planting the roof



The suburbs like a theatre for the change

What is U2002?

It is a vision of a program of sustainable Architecture for the Third World. It is an integral model of architecture capable of promoting changes in the regions where the misery and the vulnerability is installed. The program contributes with quick solutions, to resolve massive habitat problems in the suburbs with minimal resources. These suburbs of the third world will be the territories where the biggest proportion of the planet will be living in the next 30 years. Only the knowledge transference in progress of a practical revolution to expand and develop on population will be able to create the conditions to produce this new habitat. The processes of auto management destined to the production of the habitat will create the opportunity to show new values of equity, democracy and nearby control of management. The living space is more than a Good to buy



Uthopos 2002

Let's built Uthopos Now!!!

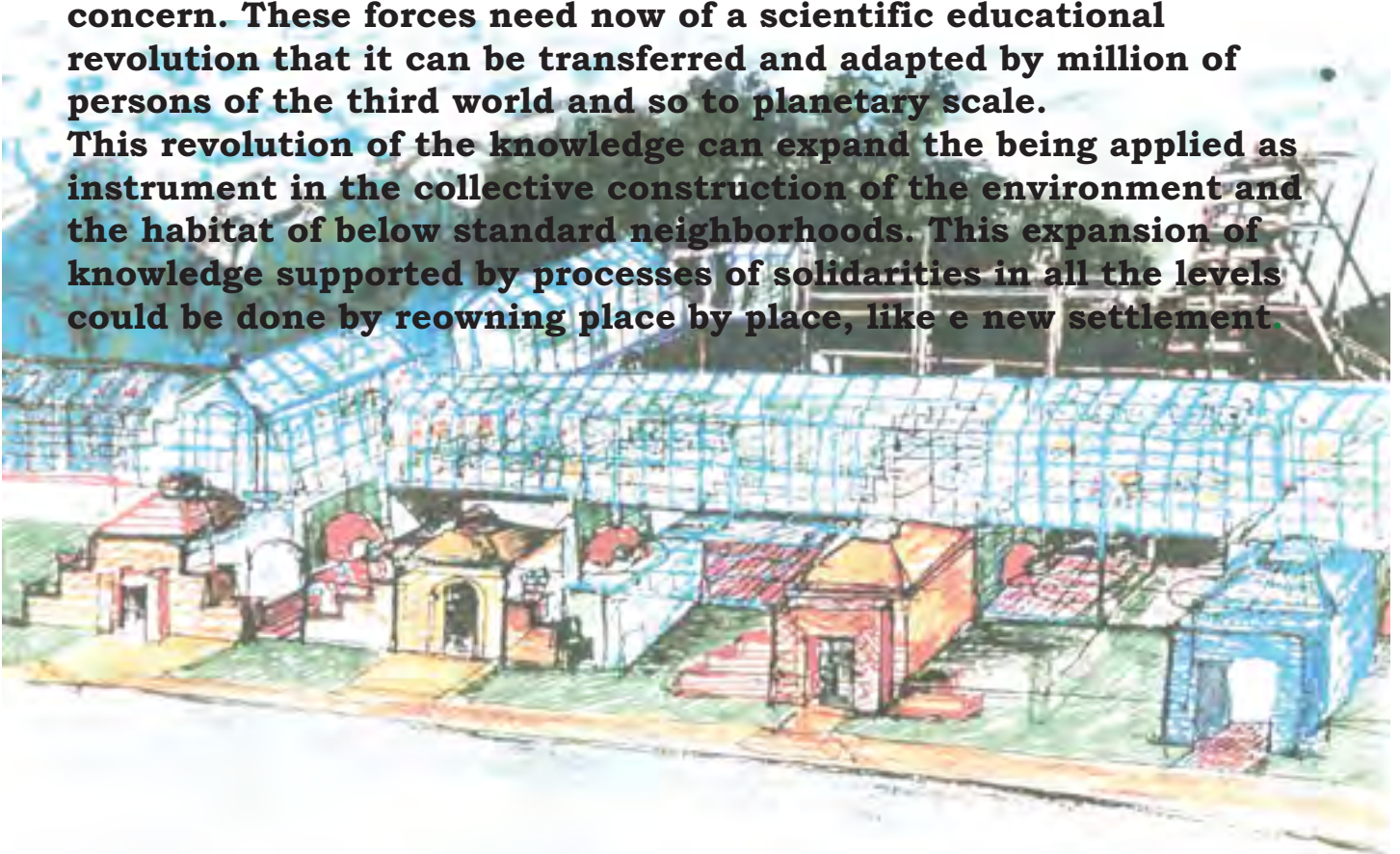
The planet survival is not compatible anymore with:

- **Acceleration**
- **Concentration**
- **Fragmentation**
- **Inequality of the financial capitalism.**

Because of the super financial concentration and its effects in the social inequity, the loss of biodiversity and natural and cultural resources. The expansion of poverty and marginality without limits. The existence of only five big financial metropolis made out of steel and crystal that rule the whole world. Uthopos 2002 glimpses the need and the possibility in a process of transformation capable of promoting a change in the inequity and misery of Third World.

The program Uthopos 20002 is now possible thanks to the force of the innovation liberated by the society. The information, the development of the science and especially the widespread social concern. These forces need now of a scientific educational revolution that it can be transferred and adapted by million of persons of the third world and so to planetary scale.

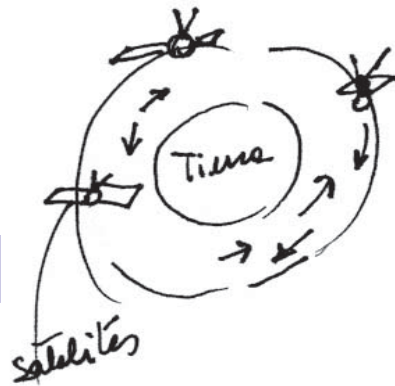
This revolution of the knowledge can expand the being applied as instrument in the collective construction of the environment and the habitat of below standard neighborhoods. This expansion of knowledge supported by processes of solidarities in all the levels could be done by reowning place by place, like e new settlement.



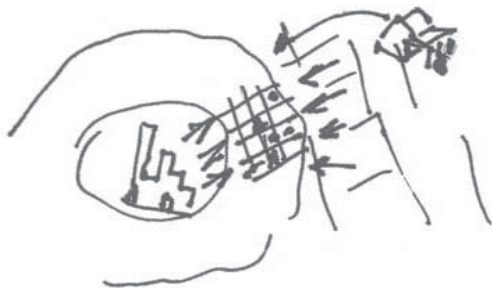
The atmosphere is our real information

Lost of the basics
Planet's resources.

Lost of biodiversity



Migration from the
Third World



Global Expanded Metropolis
Change to poor suburbs



Increasing unpredicted catastrophes
And vulnerabilities

Uthopos2002

Buenos Aires, ARGENTINA



Manifiesto Equity and
Automanagements in cities
Let us built Uthopos Now!!!

Arq. Carlos Levinton (Director)

Arq. Dante Muñoz Veneros

Student Francisco Pirovano