ALFONSO VEGARA

President, Fundación Metrópoli President, Taller de Ideas; President, International Society of City and Regional Planners (2002-2005).

Alfonso Vegara is an architect-planner, and has other degrees in economics and sociology. He obtained his doctorate in architecture and urban planning from the University of Navarre. He is President of the Madrid-based *Taller de Ideas* Group. Founded in 1987, *Taller de Ideas* has developed the Regional Planning Strategies for eight of the 17 Autonomous Regions in Spain, including the award-winning regional plan for the Basque Country.

Dr Vegara is also President of *Fundación Metrópoli*, a Spanish foundation dedicated to studying, developing and sharing urban innovations. He developed and directs the on-going *Proyecto CITIES* initiative, a study into the urban components of excellence of twenty participating cities from around the world. The *Proyecto CITIES* initiative is the basis of a Global Network of Excellence that encourages innovation and the exchange of experiences among the participating cities. Using the methodology developed for *Proyecto CITIES*, the *Fundación Metrópoli* has undertaken a number of urban research and planning projects including the Fengxian Eco-Linear City, the Madrid Bulevar M30, and the EcoCity of Castilla-La Mancha.

Alfonso Vegara has been Professor of Urban Planning in a number of universities in Spain, and has lectured at universities and conferences worldwide. He was also appointed Visiting Professor of City and Regional Planning at the University of Pennsylvania for the period 1997 to 2002.

Alfonso Vegara has maintained close ties with Eisenhower Fellowships (EF) since 1987, when he was selected to be the Eisenhower Fellow from Spain. Between 1995 and 2001, he served two terms on its International Advisory Council (IAC), and organised the 1997 EF Congress in Alicante, Spain. The EF has adopted *Proyecto CITIES* as a Pilot Project to utilise the extensive network of Eisenhower Fellows. Dr Vegara is currently a special "Roving Member" of the IAC.

From 2002-2005 he was President of the International Society of City and Regional Planners.

In 2007 was awarded the Premio Rey Jaime I in the category of Urbanism, Landscape and Sustainability.

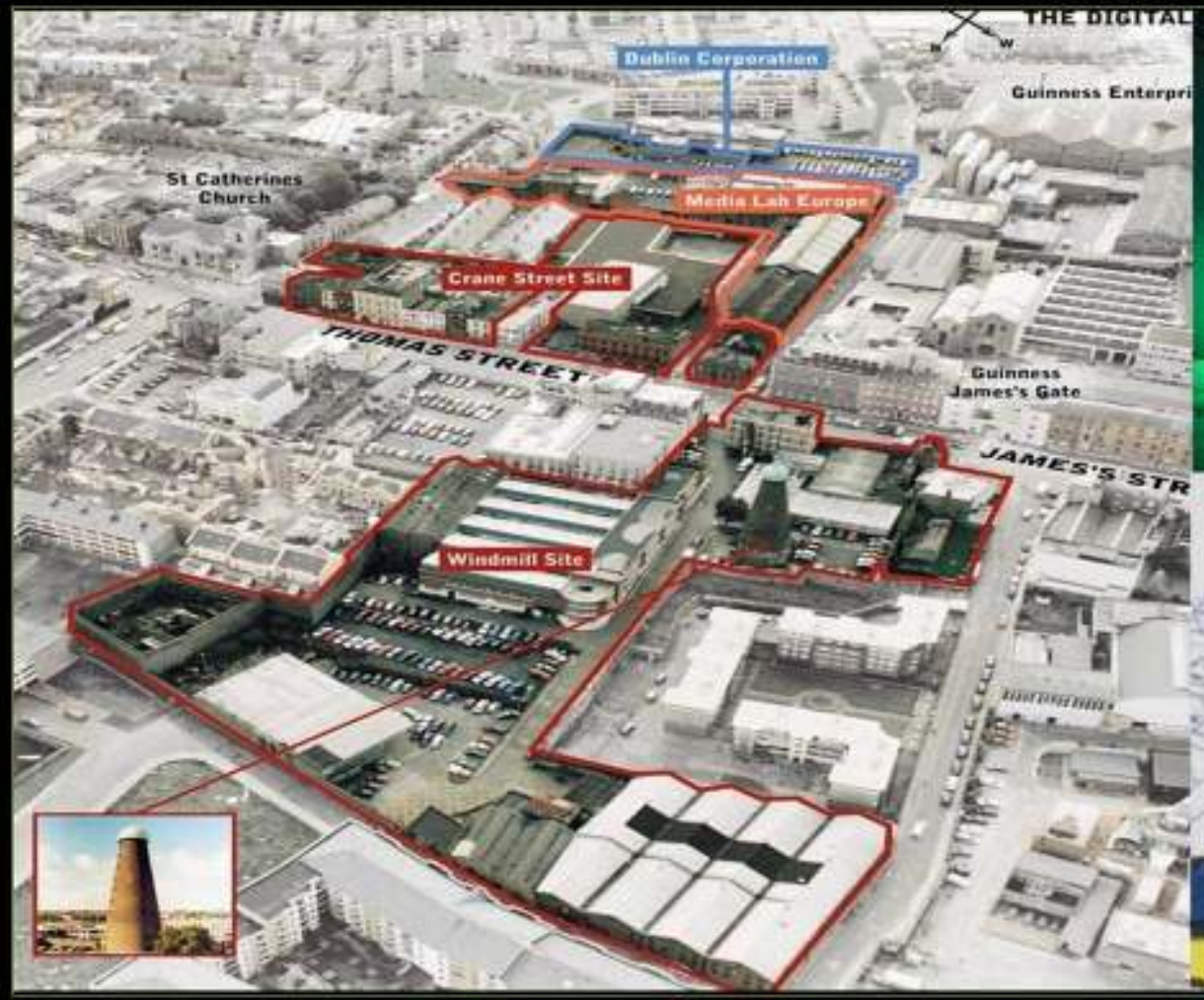
Alfonso Vegara was born in Alicante, Spain in 1955. He is married and has two children.

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Dublin Docklands

Dublin Hub Development Agency


Dublin Corporation
Guinness Enterpri
St Catherines Church
Media Lab Europe
Crane Street Site
THOMAS STREET
Guinness James's Gate
JAMES'S STR
Windmill Site

The Digital Hub

FINANCIAL DISTRICT

FINANCIAL DISTRICT

Temple Bar

Temple Bar

INTERNATIONAL FINANCIAL DISTRICT

DUBLIN

DUBLIN

GREATER DUBLIN

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

Olympic Port

Waterfront

Olympic Village 1992 / Waterfront

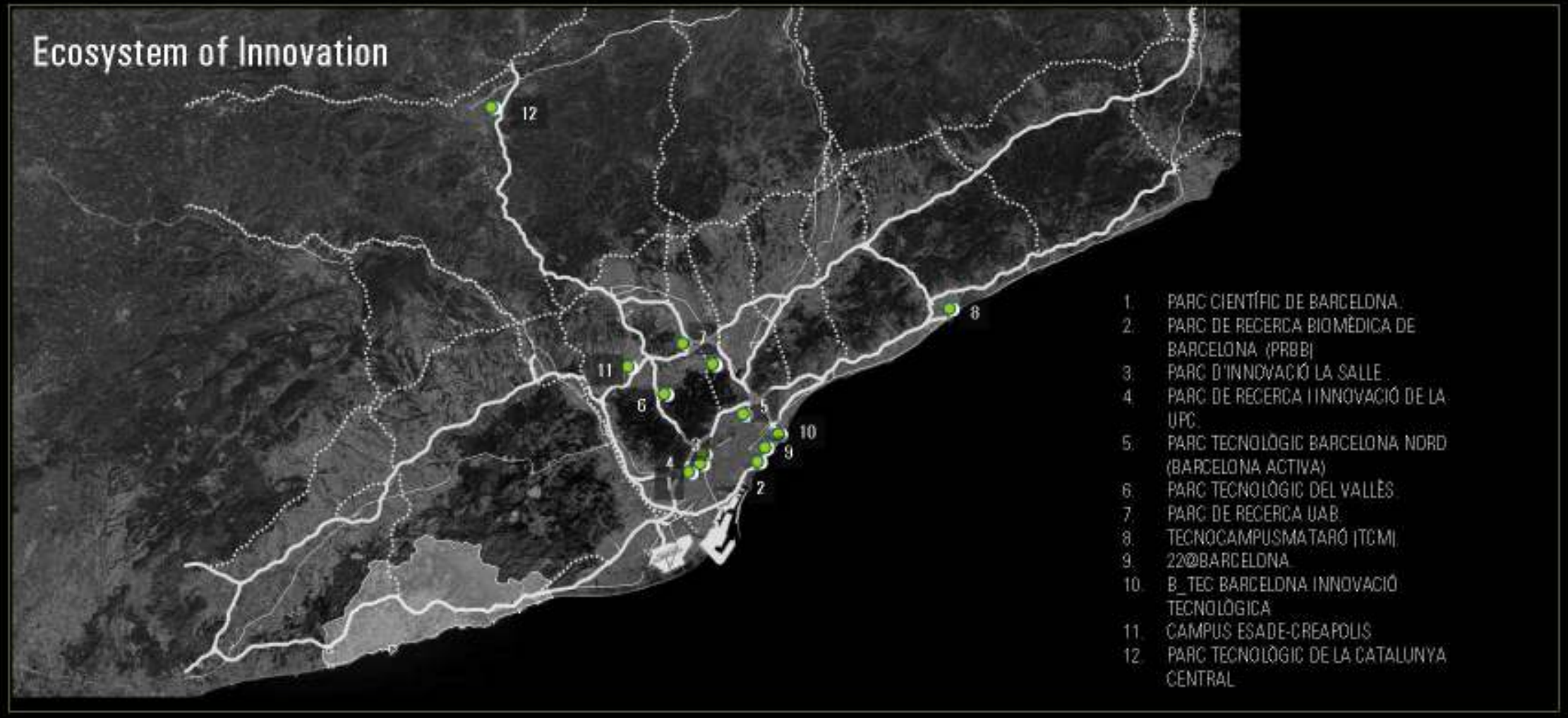
Forum of the Cultures 2004 (Before)

Forum of the Cultures 2004 (After)

Waterfront and Innovation District

22 Barcelona
El districte de la innovació

The Diagonal


Ecosystem of Innovation
12
8
11
6
5
10
9
4
2
1. PARC CIENTÍFIC DE BARCELONA.
2. PARC DE RECERCA BIOMÈDICA DE BARCELONA (PRBB)
3. PARC D'INNOVACIÓ LA SALLE.
4. PARC DE RECERCA I INNOVACIÓ DE LA UPC.
5. PARC TECNOLÒGIC BARCELONA NORD (BARCELONA ACTIVA)
6. PARC TECNOLÒGIC DEL VALLÈS
7. PARC DE RECERCA UAB
8. TECNOCAMPUSMATARÓ (TCM)
9. 22@BARCELONA
10. B_TEC BARCELONA INNOVACIÓ TECNOLÒGICA
11. CAMPUS ESADE-CREAPOLIS
12. PARC TECNOLÒGIC DE LA CATALUNYA CENTRAL

Ecosystem of Innovation

Parc Científic de Barcelona

Barcelona Biomedical Research Park

Parc d'Innovació La Salle

Universitat Politècnica de Catalunya

BarcelonActiva

Parc Tecnològic del Vallès

Parc de Recerca UAB

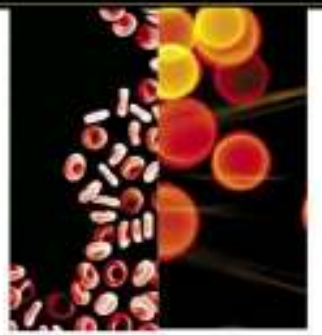
TCM TecnoCampus Mataró

ESADE Creapolis

22 Barcelona El distrito de la innovación

b_TEC

Ecosystem of Innovation



Barcelona Biomedical Research Park

TecnoCampus Mataró

Barcelona Activa

22 Barcelona

b_TEC

IMIM hospitaldelmar

CRG

CRC

CMR[B]

CREAL centre de recerca en epidemiologia ambiental

Ecosystem of Innovation

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

SITGES

LANDSCAPES OF CATALUNYA
SANT PERE DE RIBES
SITGES

LANDSCAPES OF CATALUNYA

LANDSCAPES OF CATALUNYA

LANDSCAPES OF CATALUNYA

WORLD OF CITIES SUMMIT 2008

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

EL PRAT AIRPORT
30.008.152 Passengers (2.006)

LIVING LAB

LA CANTERA INTELIGENTE

LIVING LAB

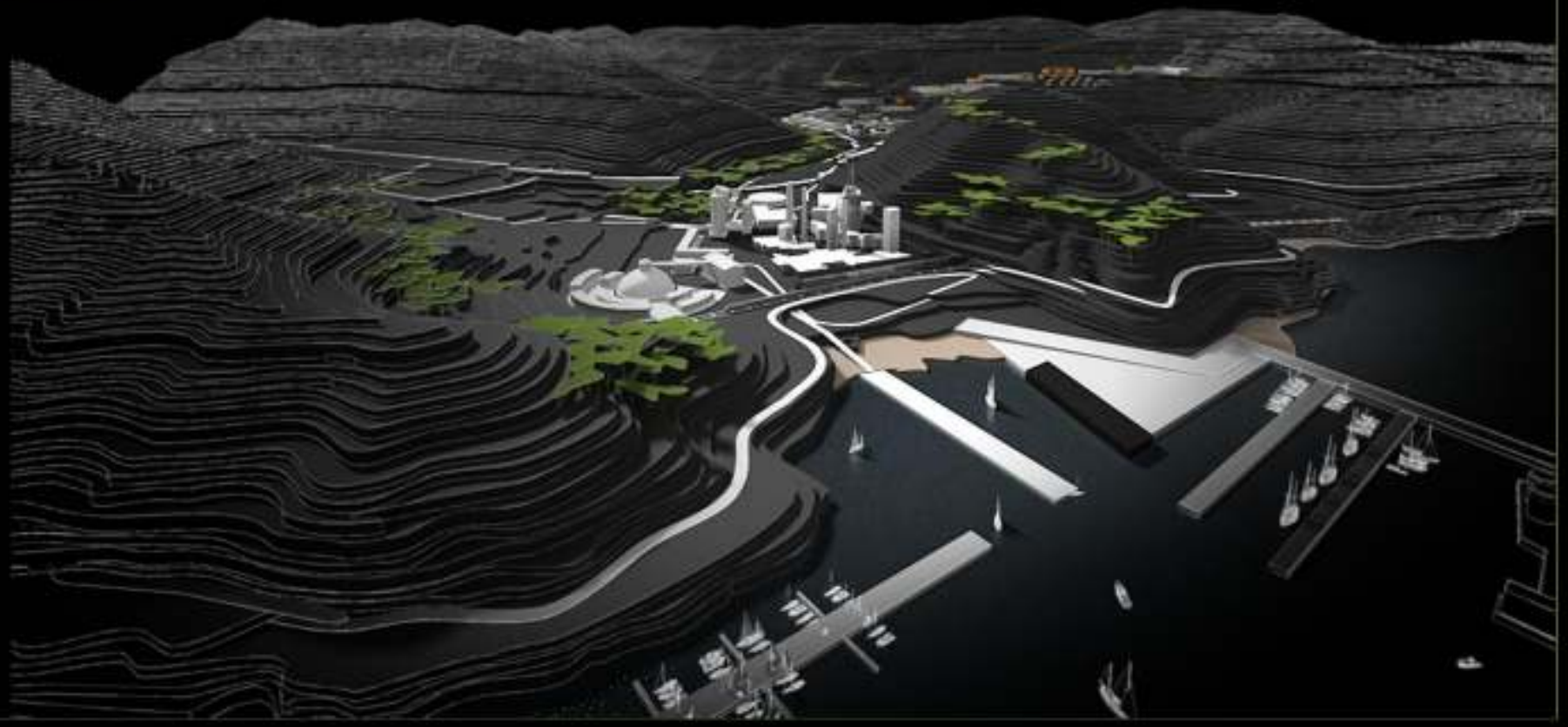
LA CANTERA INTELIGENTE

LIVING LAB

LA CANTERA INTELIGENTE

LIVING LAB

LA CANTERA INTELIGENTE: La marina



TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

Namibia

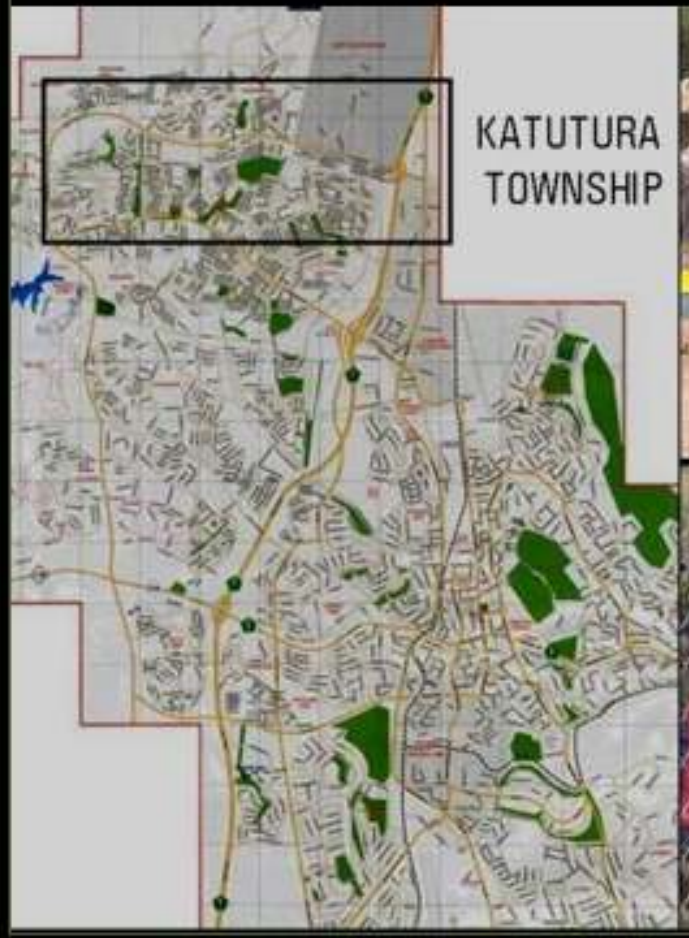
Windhoek
BOTSWANA
SOUTH ATLANTIC OCEAN
Namibia
International boundary
District boundary
National capital
District capital
Railroad

NAMIBIA

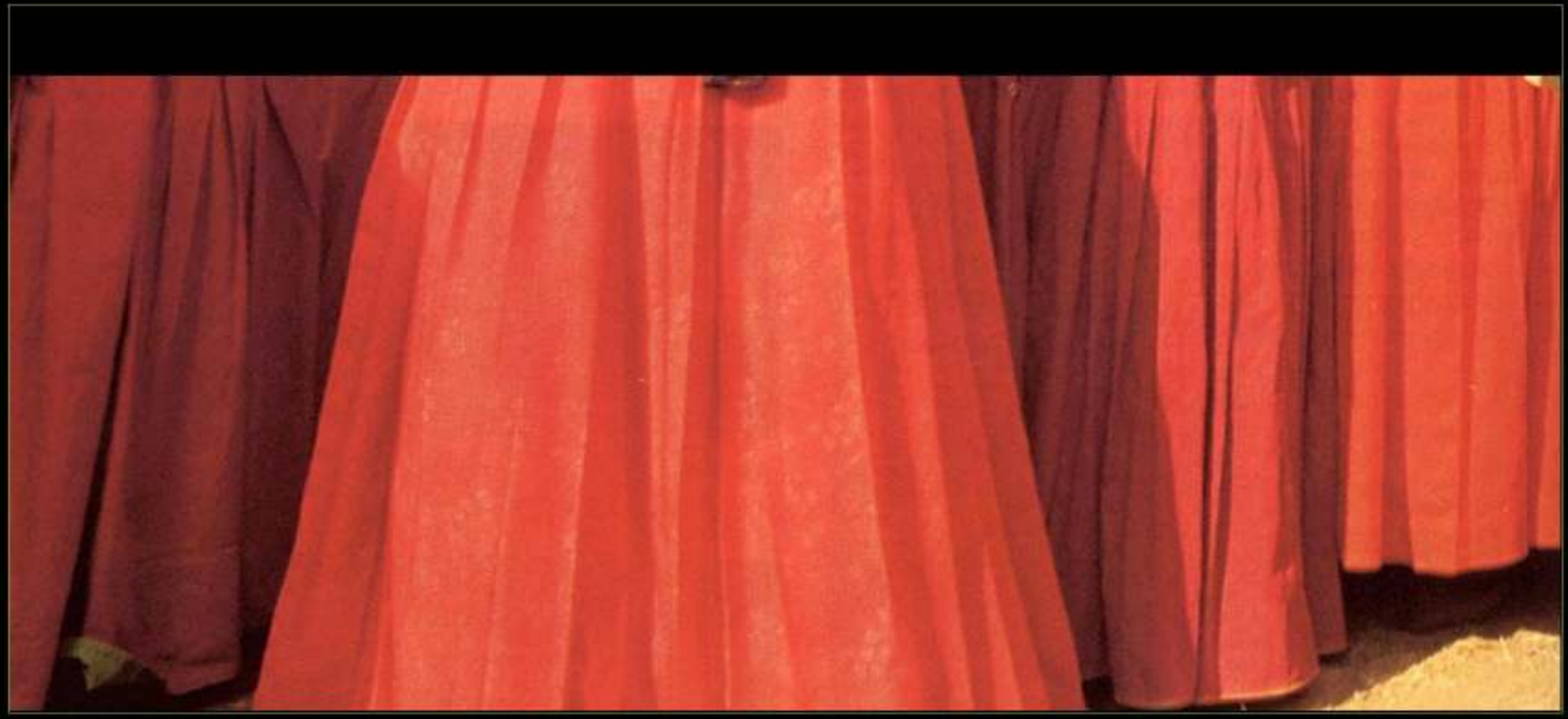
NAMIBIA

WINDHOEK

KATUTURA TOWNSHIP



KATUTURA TOWNSHIP



S20A

INTERNATIONAL ARTISTS

KATUTURA
PROJECT

LAND AND TOURIST DESTINATION

STOP

TRADITIONS

ARTS AND CRAFTS

PEOPLE

THE COLOURS OF KATUTURA

Alfonso Vegara

TERRITORIOS INTELIGENTES

URBAN COMPONENTS OF EXCELLENCE

"CLUSTERS OF EXCELLENCE" URBAN PROFILE

STATEGIC PROJECTS

THE CITY AS ECOSYSTEM OF INNOVATION

TERRITORIOS INTELIGENTES

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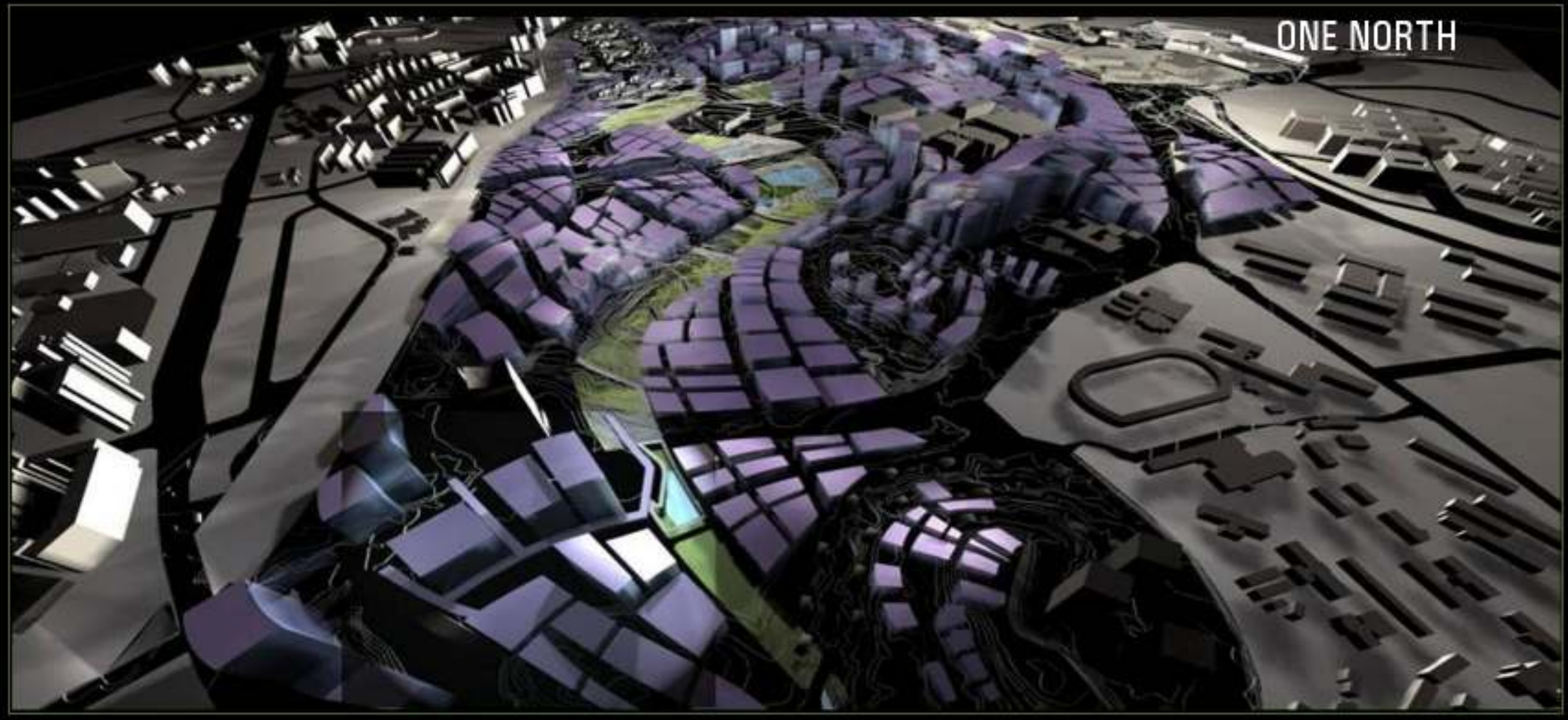
"CLUSTERS OF EXCELLENCES" URBAN PROFILE

STATEGIC PROJECTS

THE CITY AS ECOSYSTEM OF INNOVATION

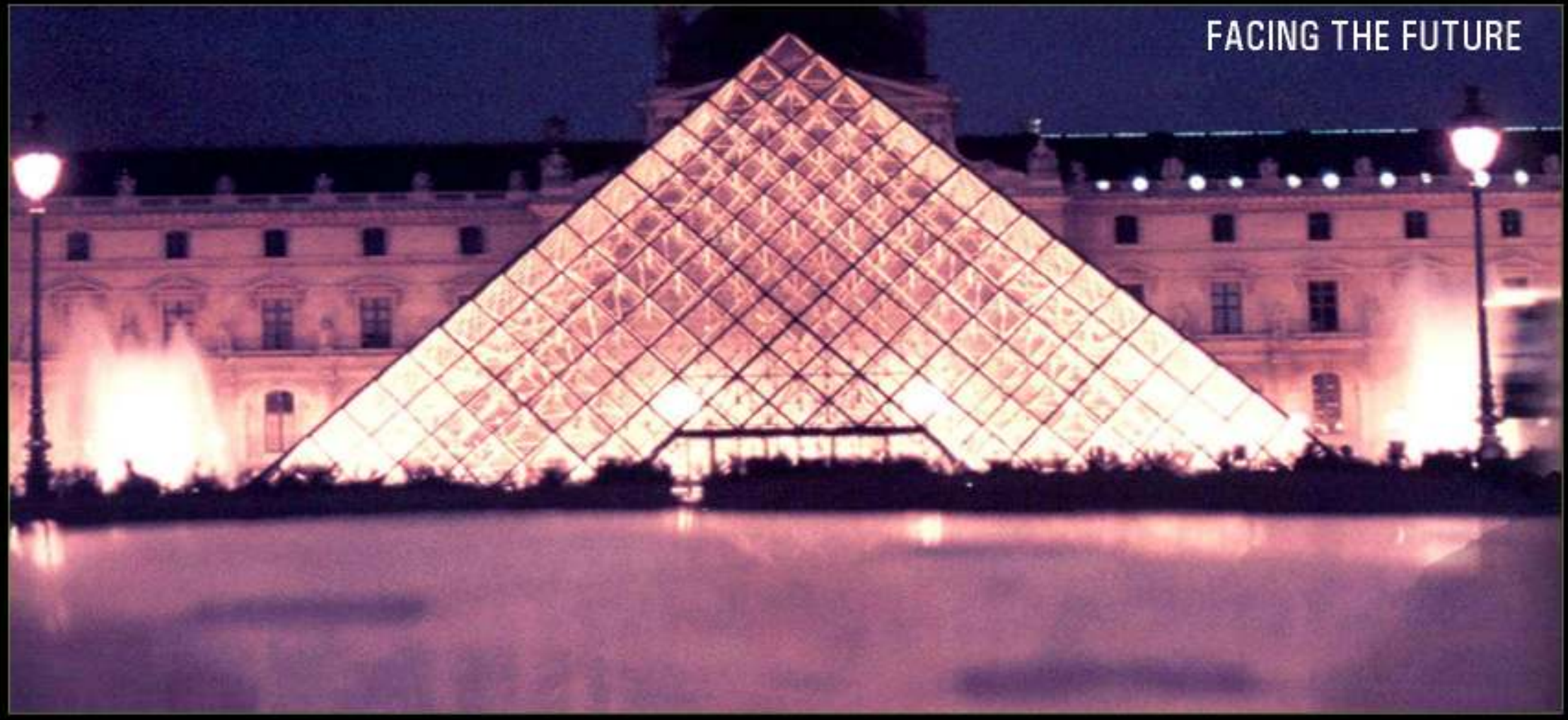
EUROPEAN HISTORIC CENTRES


ONE NORTH

LEARNING FROM THE PAST

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation



Alfonso Vegara

ECOSYSTEM OF INNOVATION
Building a Sustainable Future

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

44th ISOCARP Congress 2008

Dalian, China

TERRITORIOS INTELIGENTES

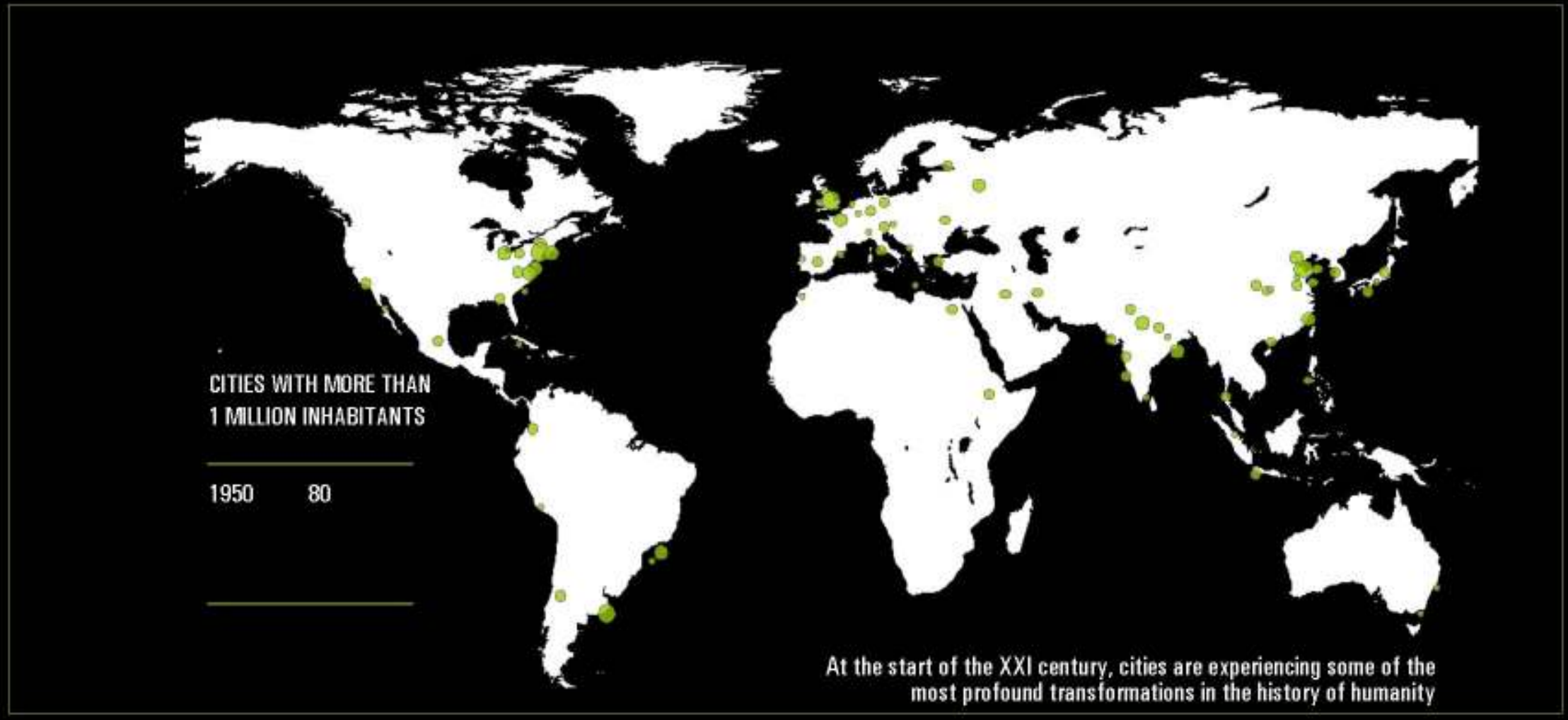
Cities as Ecosystems of Innovation

Alfonso Vegara

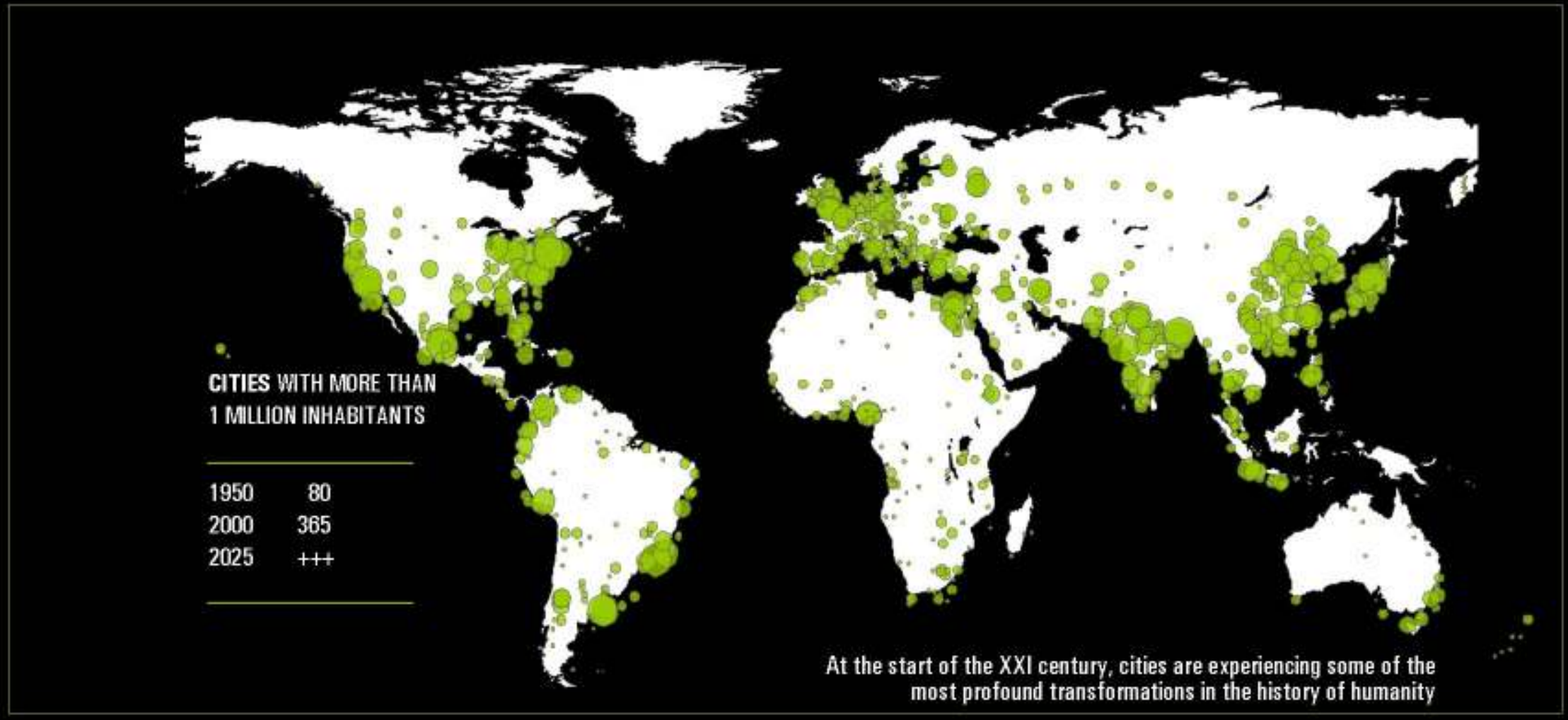
44th ISOCARP Congress 2008

Dalian, China

A WORLD OF CITIES


CITIES WITH MORE THAN
1 MILLION INHABITANTS
1950 80
At the start of the XXI century, cities are experiencing some of the most profound transformations in the history of humanity

CITIES WITH MORE THAN
1 MILLION INHABITANTS
1950 80
2000 365
At the start of the XXI century, cities are experiencing some of the most profound transformations in the history of humanity


CITIES WITH MORE THAN
1 MILLION INHABITANTS
1950 80
2000 365
2025 +++
At the start of the XXI century, cities are experiencing some of the most profound transformations in the history of humanity

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

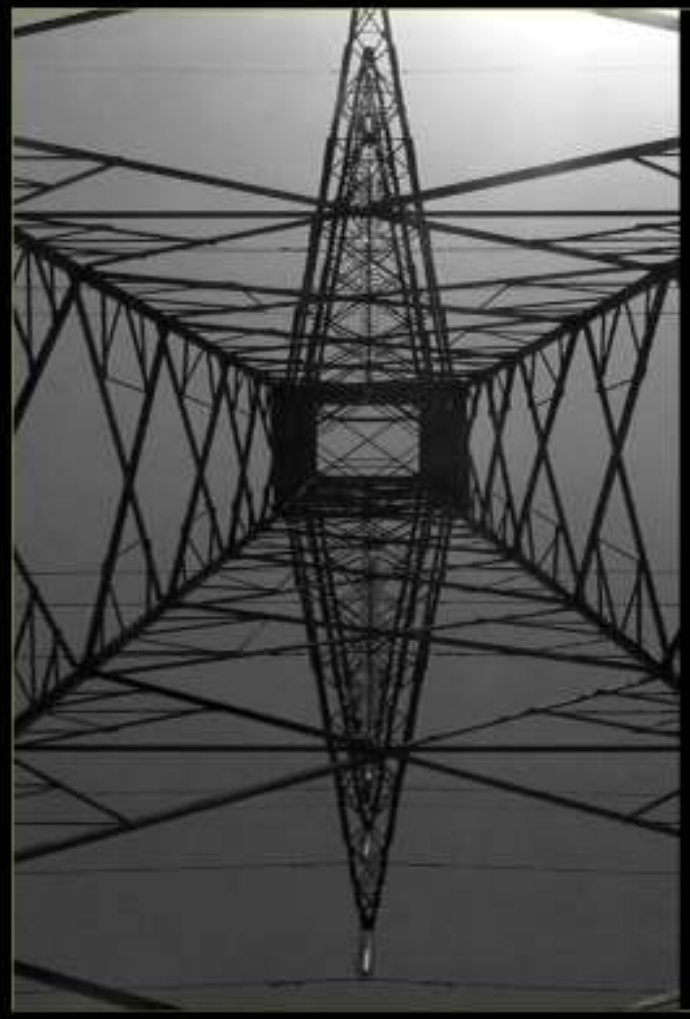
In today´s economy, competition is not between countries, but between cities and regions.

Cities are the **CRITICAL SPACES** for tolerance, solidarity and creativity.

Cities have the responsibility of contributing to the SUSTAINABILITY of the planet

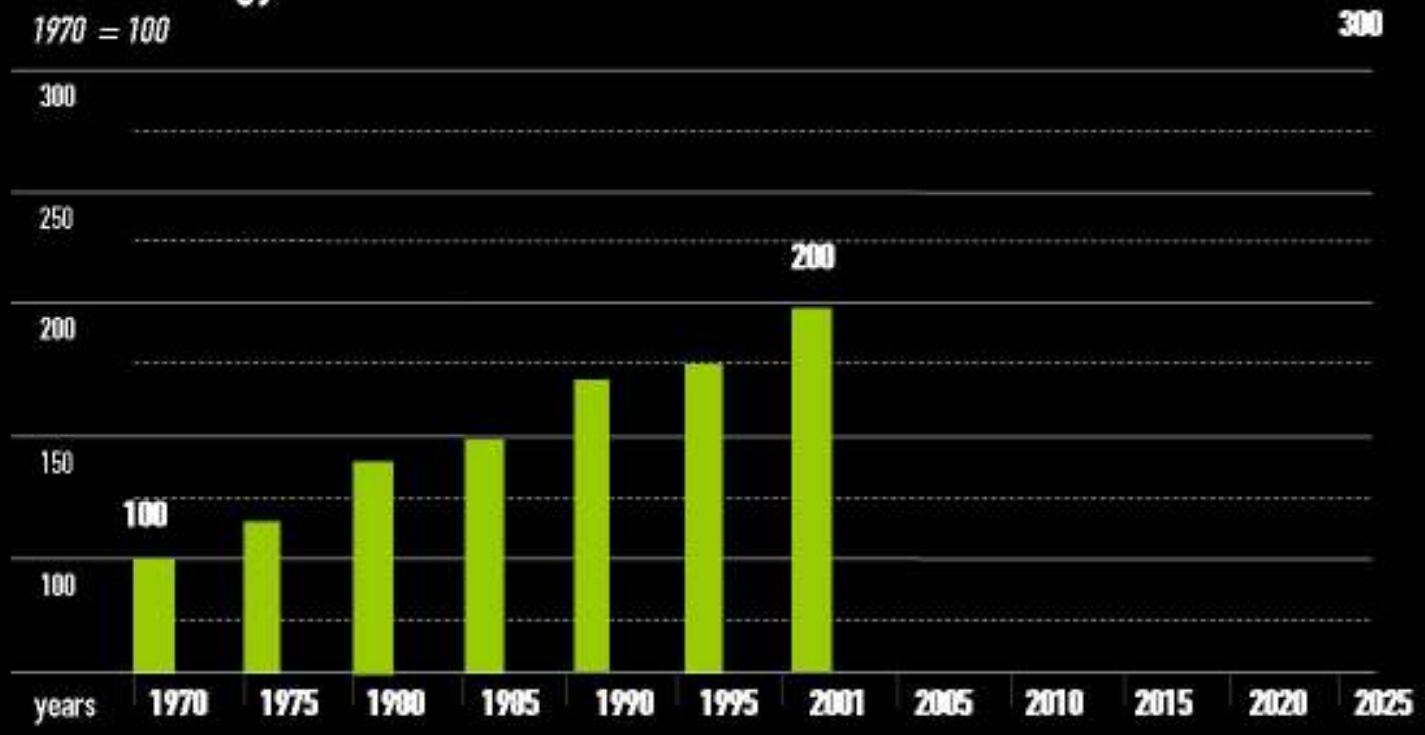
Cities are not the problem but the **SOLUTION** for the challenges of the 21th century.

CLIMATE CHANGE



Global Energy Use

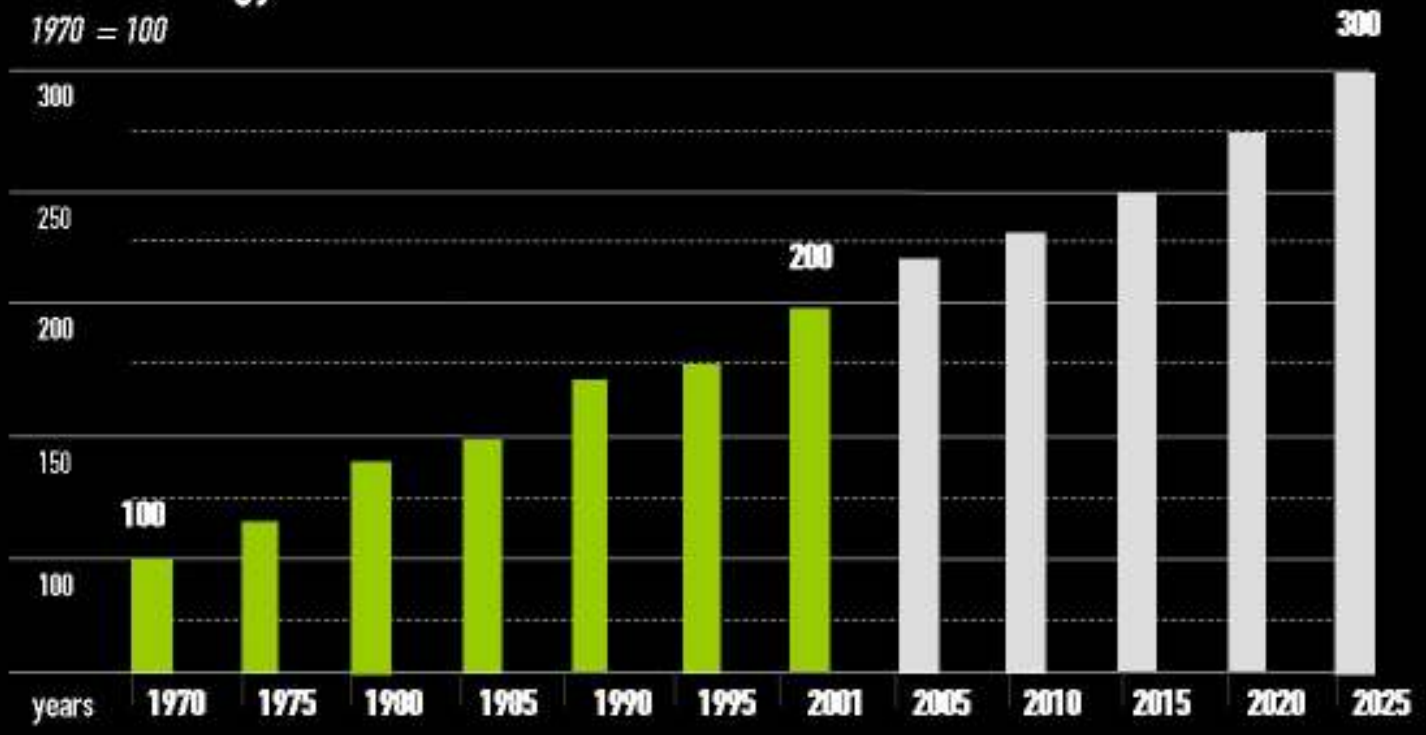
1970 = 100



Source: EIA (Energy Information Administration)

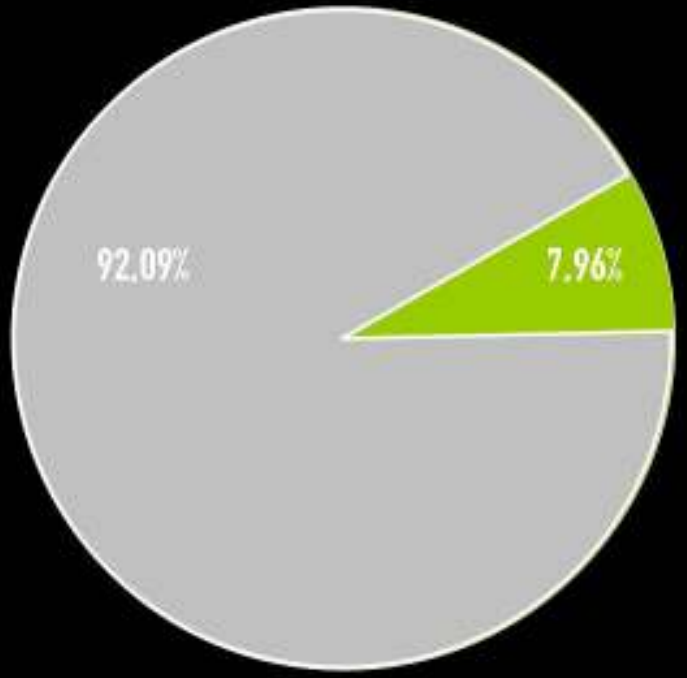
Global Energy Use

1970 = 100



Source: EIA (Energy Information Administration)

Consumption by Type of Energy (2001)



NON-RENEWABLE ENERGY

Nuclear
Natural Gas
Coal
Petroleum

RENEWABLE ENERGY

Solar
Wind
Geo-thermal
Hydro-electric
Bio-mass

Source: EIA (Energy Information Administration)

MAJOR ENVIRONMENTAL ISSUES

- Loss of Biodiversity
- Acid Rain
- Water Shortage
- Shortage of traditional energy sources

CLIMATE CHANGE

The greatest challenge of the 21st century is
Building a Sustainable Future

A culture of innovation is the only strategy for long-term sustainability

Fundación Metrópoli is an international centre of innovation in cities and regions

Proyecto **CITIES** constitutes a joint effort of investigation and interchange of experiences of

20 Cities

on 5 continents.

PARTICIPATING CITIES

Boston
Ciudad del Cabo
Cebú City
Curitiba
Dakar
Dubai
Dublín
Euskadi
Filadelfia
Hong Kong
Medellín
Miami
Monterrey
Montevideo
Riad
Santiago de Chile
Shangai
Singapore
Sidney
Toronto
Windhoek

UNIVERSIDADES PARTICIPANTES

Harvard University
Universidade Livre do Meio Ambiente
University College Dublin
Universidad del País Vasco
Universidad de Deusto
Universidad Pontificia Bolivariana
University of Miami
Pontificia Universidad Católica de Chile
Universidad de la República de Montevideo
Instituto Tecnológico y de Estudios Superiores de Monterrey
University of Hong Kong
University of Pennsylvania
Shanghai Institute of Social Science
University of Sydney
Ryerson Polytechnic University. Toronto
University of the Philippines in Cebu
Ramon Aboitiz Foundation
University of New South Wales

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Amborski, David	Toronto
Arroyo, Alfonso	Pamplona
Azua, Jon	Bilbao
Barbero, Jose	Washington, DC
Bedford, Paul	Toronto
Belloch, Santiago	Madrid
Bernstein Iturbide, Javier	Mexico City
Birch, Eugenie	Philadelphia
Bruttomesso, Rinio	Venice
de Buitlear, Donal	Dublin
de Mesones, Javier	Madrid
Diaz, Angel	Barcelona
dos Santos, Cleón Ricardo	Curitiba
Droege, Peter	Sydney
Esteban Penelas, Jose Luis	Madrid
Fajardo, Marta Cecilia	Bogota
Garvin, Alexander	New York
Gelabert-Navia, Jose	Miami
Hack, Gary	Philadelphia
Hall, Peter	London
Herrion, Claude	Paris
Hernandez Pezzi, Carlos	Malaga
Huang, Jeffrey	Lausanne
Hudnut, William	Washington
Jordan, Gilberto	Lisbon
Keene, John	Philadelphia
Kirdar, Nezir	Istanbul
Koehler, Hans	San Francisco
Krieger, Alex	Boston
Kurokawa, Kisho	Tokyo
Laconte, Pierre	Brussels
Lambert, Charles	Paris
Levy, Paul	Philadelphia
Ligrone, Pablo	Montevideo
Largeaux, Alain	Bordeaux
Lasanta Ucha, Mario	Madrid
Machadon, Victor	Bucharest
Maitra, Asesh Kumar	New Delhi
McNulty, Robert	Washington, DC
Pérez Jaramillo, Jorge	Medellin
Perlman, Janice	Hartford
Perlmutter, Howard	Philadelphia
Ryser, Judith	London
San Martin, Eduardo	Santiago
Sassen, Saskia	Chicago
Takiechi, Sumio	Tokyo
Tomazinis, Anthony	Philadelphia
Ordangann, Waki	Barcelona
Wu, Zhiqiang	Shanghai
Wu, Chung Tong	Sydney
Zheng, Shiling	Shanghai
Zingaheim, Patricia	Washington, DC
Zulata Puciarc, Enrique	Buenos Aires

INTERNATIONAL ADVISORY COUNCIL

Over 50 urban experts comprise the International Advisory Council of Proyecto Cities.

ECO BOX

BUILDING A SUSTAINABLE FUTURE

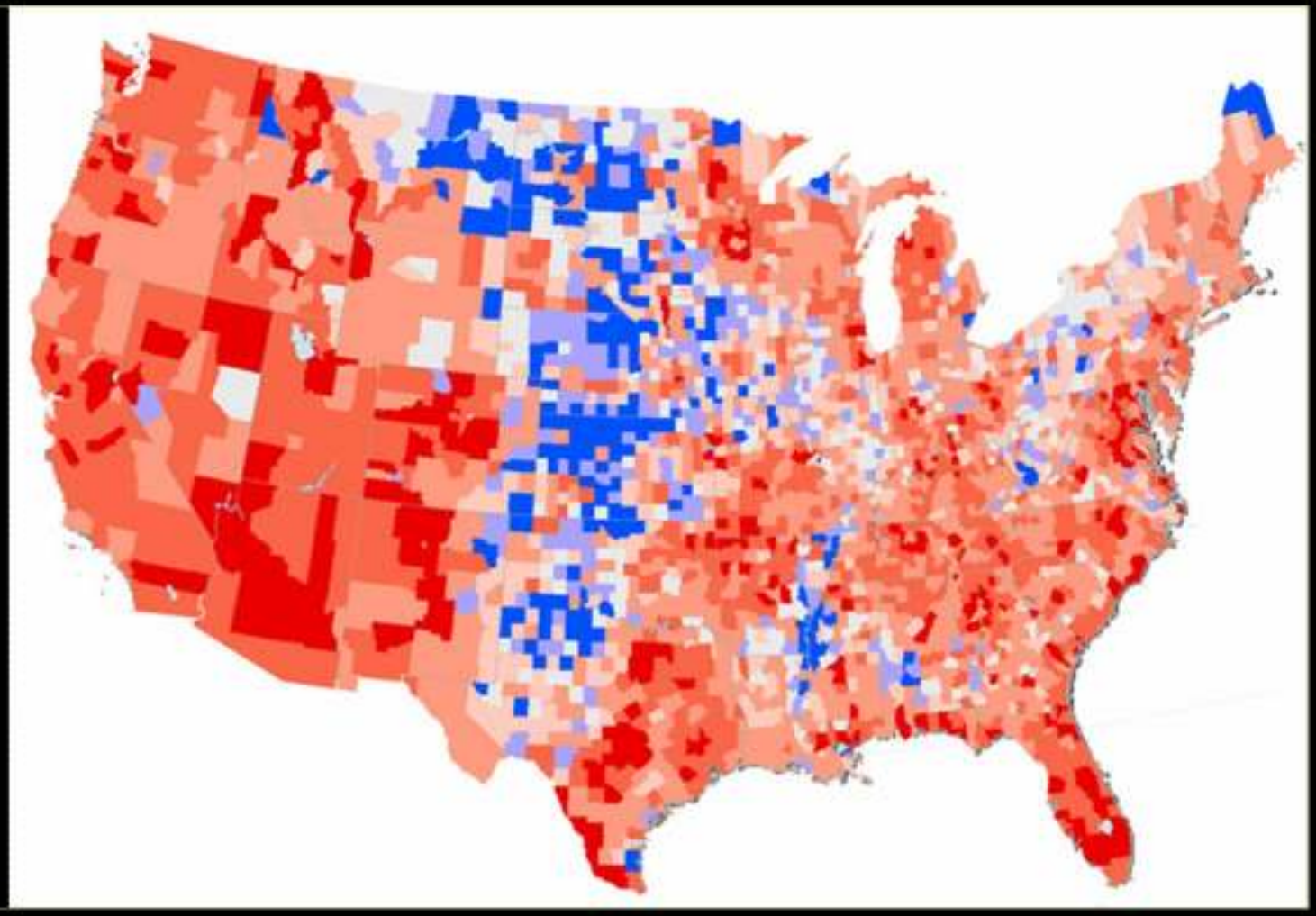
Alfonso Vegara

ECOBOX

NEW SCALE OF PLANNING

SUPERCITIES

Population Growth
IN USA (2000- 2050)



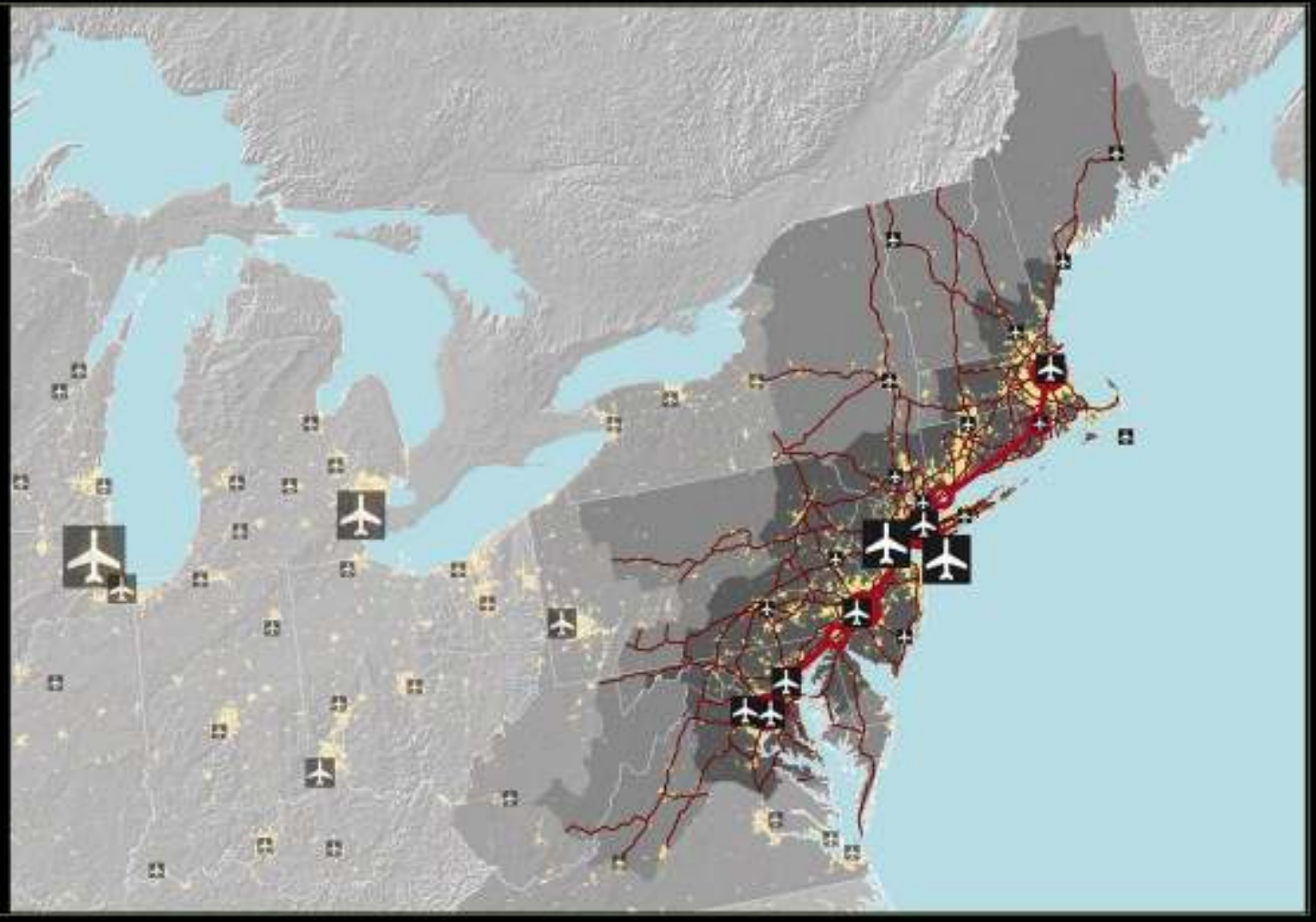
SUPERCITIES
10 Megaregions

SUPERCITIES

NORTHEAST ATLANTIC MEGAREGION

SUPERCITIES

NORTHEAST ATLANTIC MEGAREGION



SUPERCITIES

NORTHEAST ATLANTIC MEGAREGION

EUROPEAN DIAGONAL NETWORK

- LISBOA
- MADRID
- BARCELONA
- MARSELLA
- MILAN

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

LISBOA:

16 millon people within reach

Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

MADRID:

32 millon people within reach

Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

BARCELONA:

29 millon people within reach

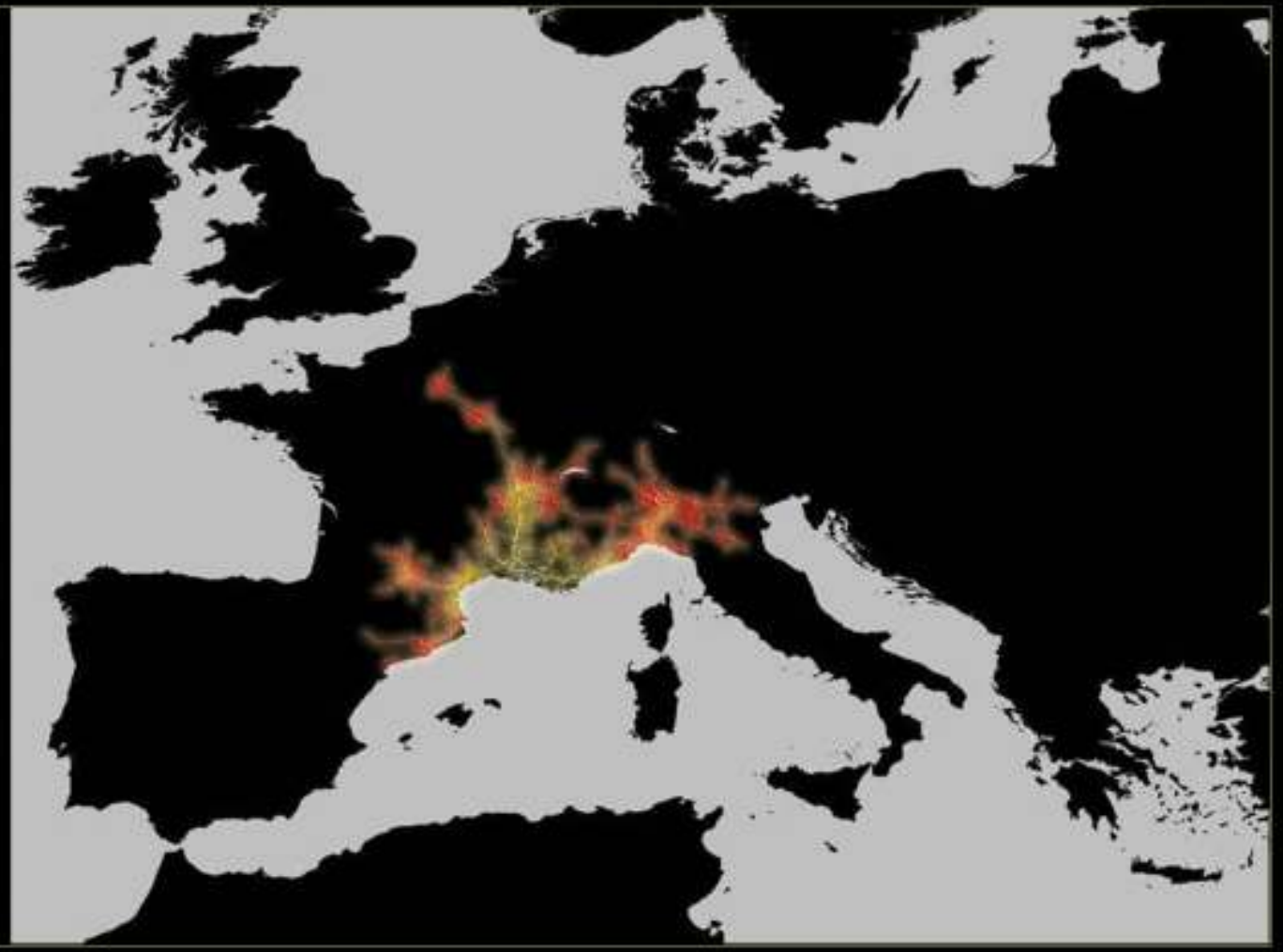
Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

MARSELLA:

53 millon people within reach



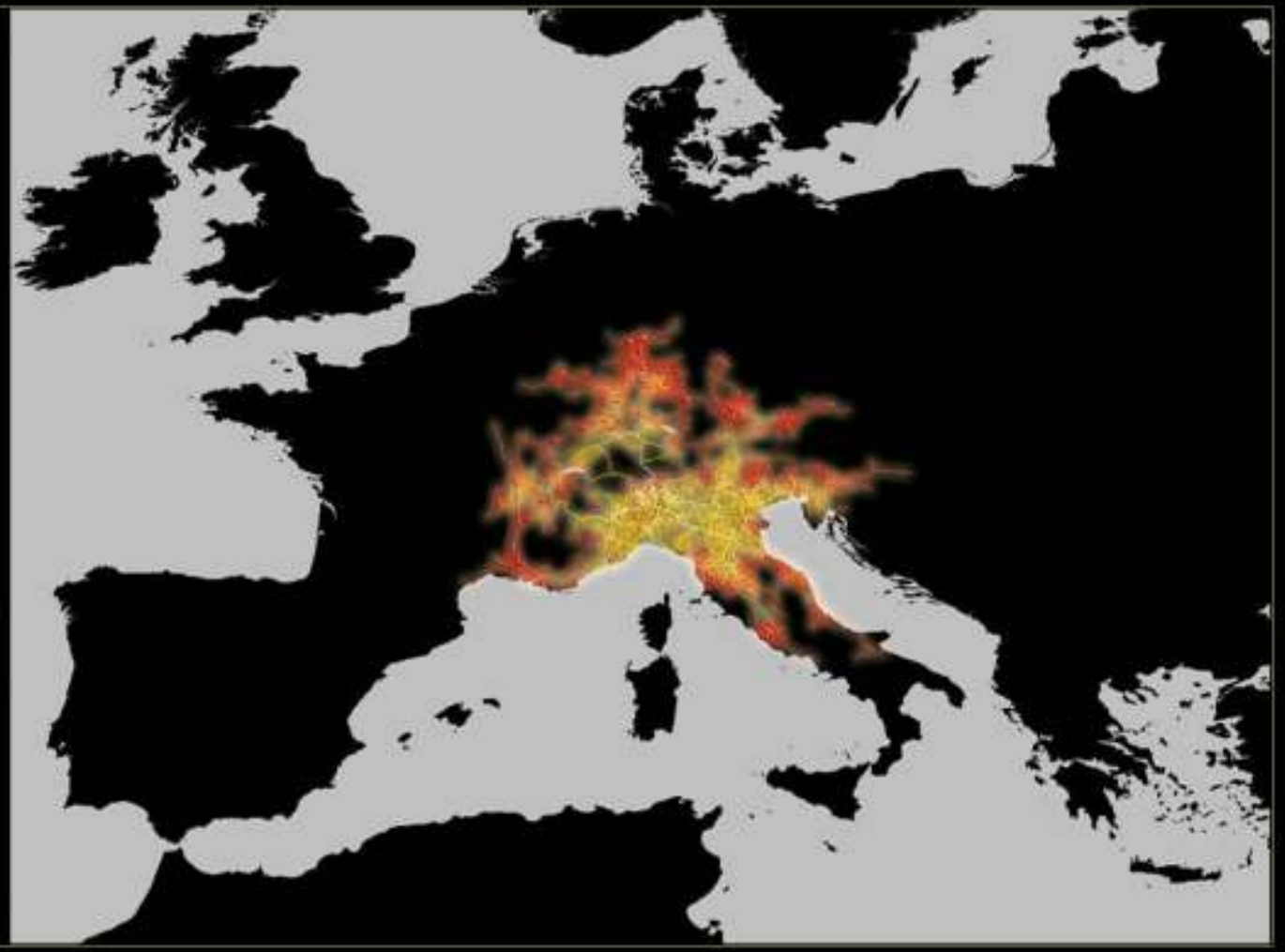
Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

MILAN:

80 millon people within reach



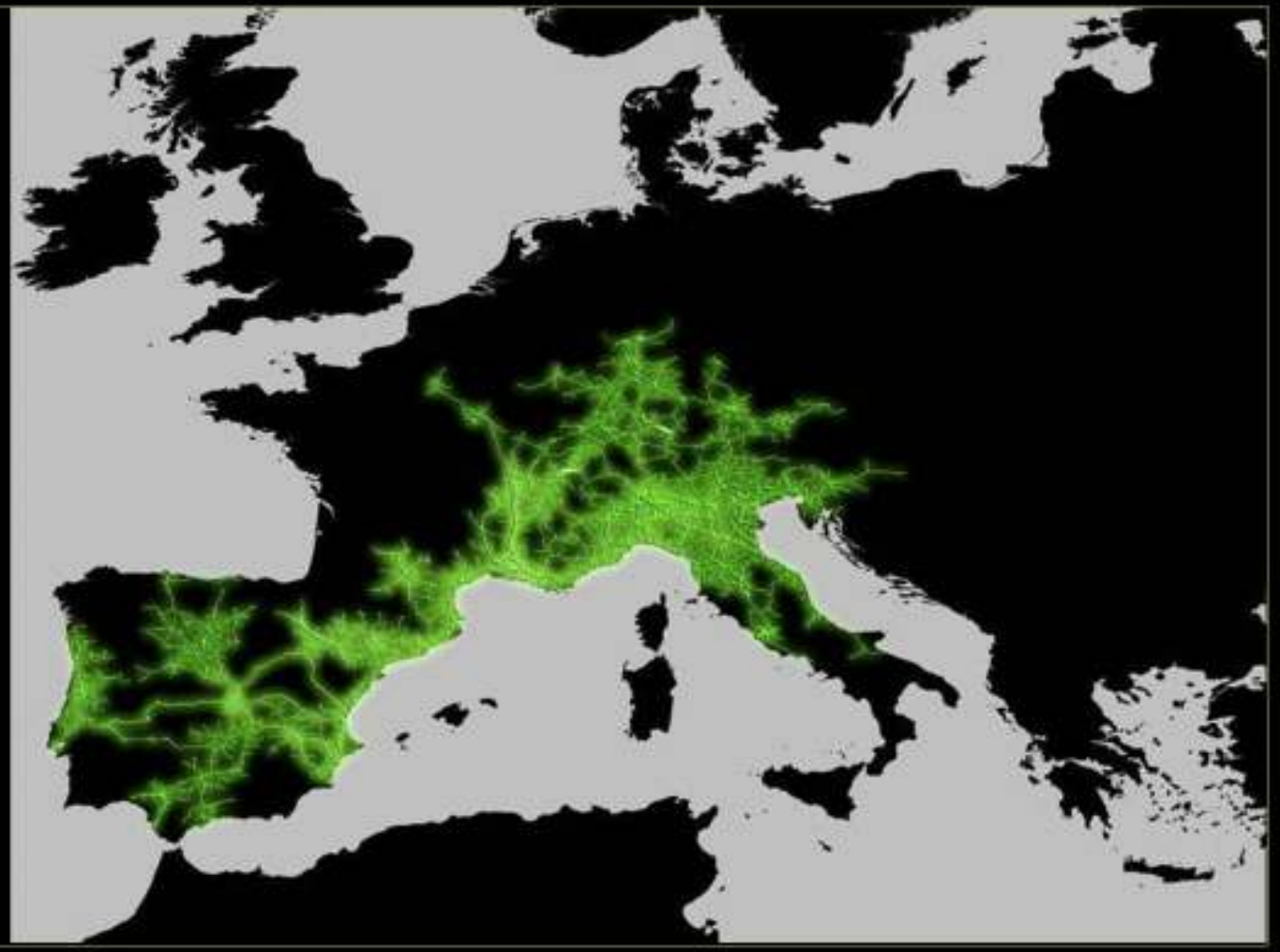
Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

EUROPEAN DIAGONAL

Isochrones Analysis
4- hours total travel time
(Hight speed train)

DIAGONAL EUROPEA:

135 millon people within reach



Map prepared by Fabio Casiroli,
Faculty of Architecture Milano Polytechnic

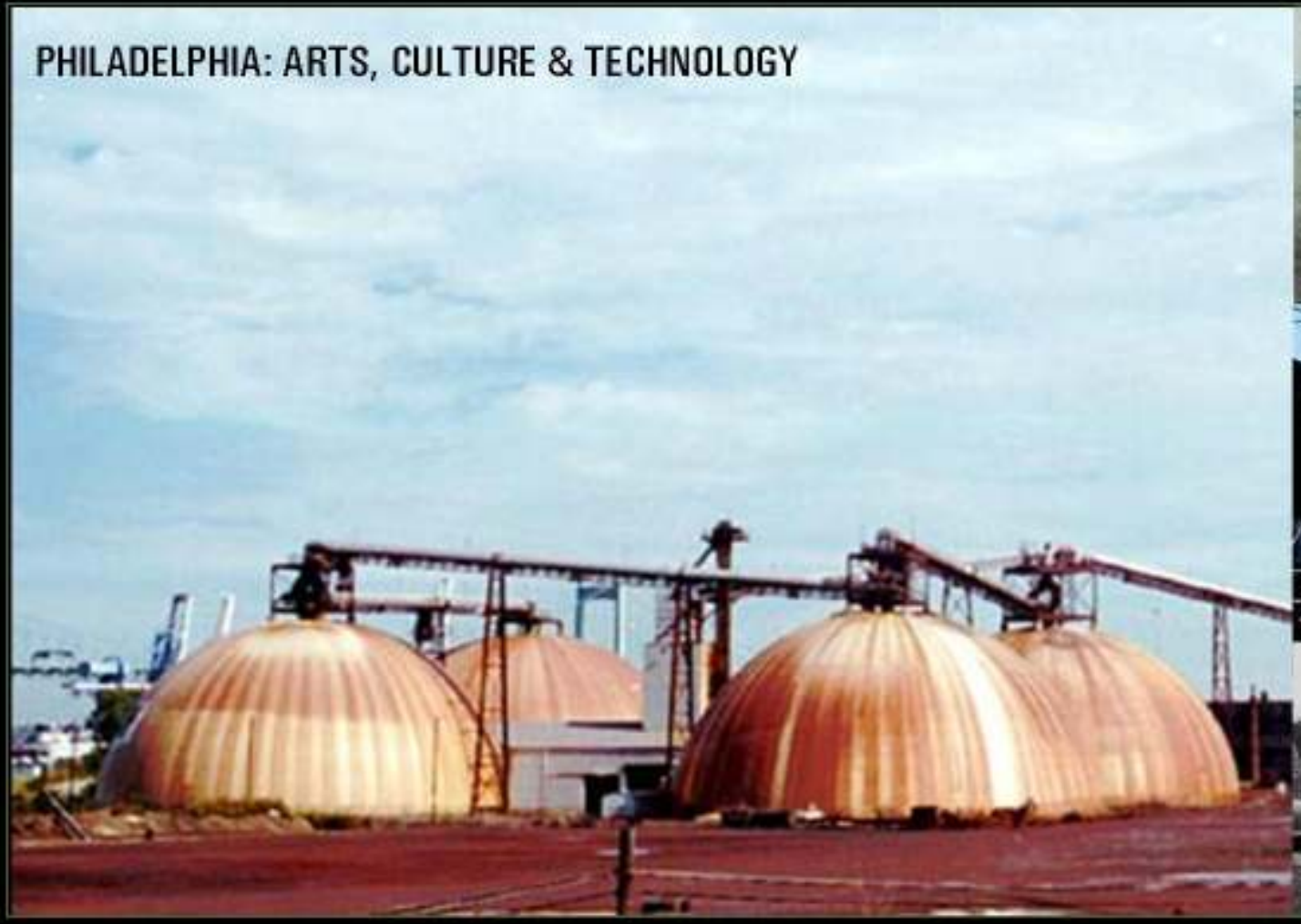
EUROPEAN DIAGONAL

Super City Hubs and Satellites

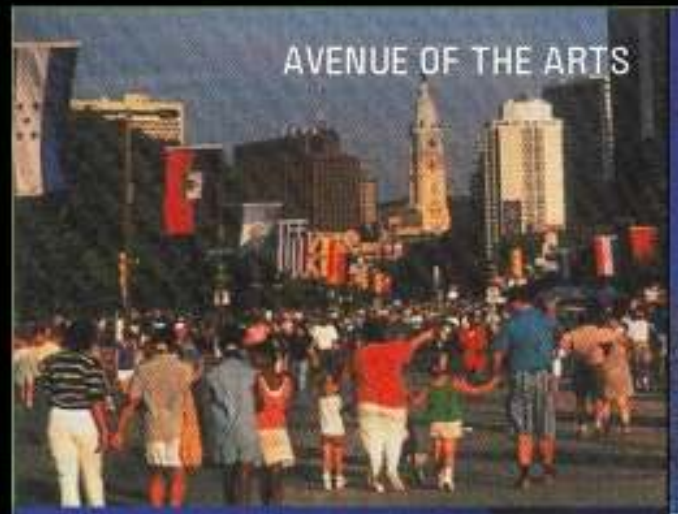
INNOVATIVE CITIES

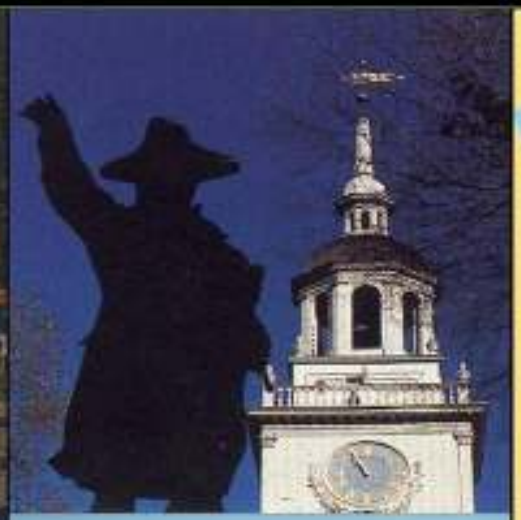
PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY
PHILADELPHIA

PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

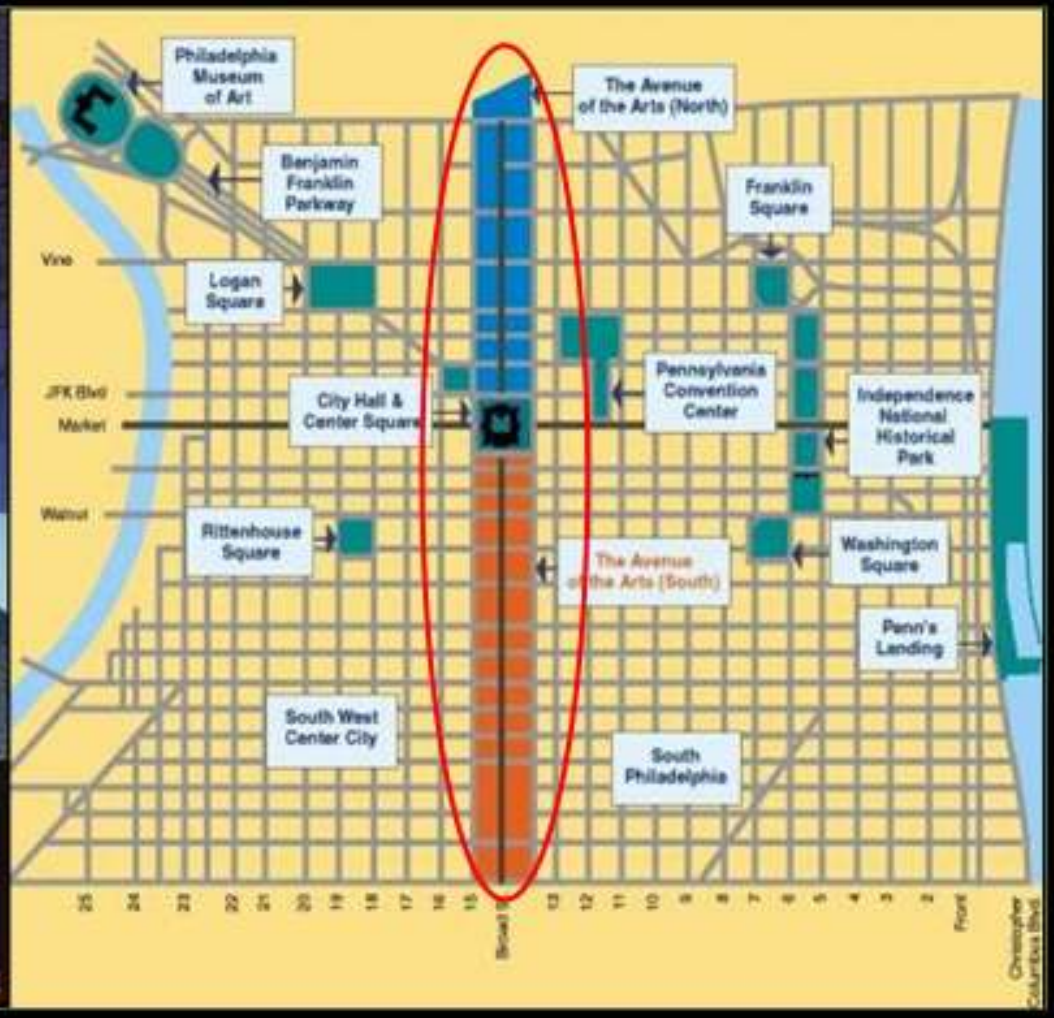


PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY


AVENUE OF THE ARTS



PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

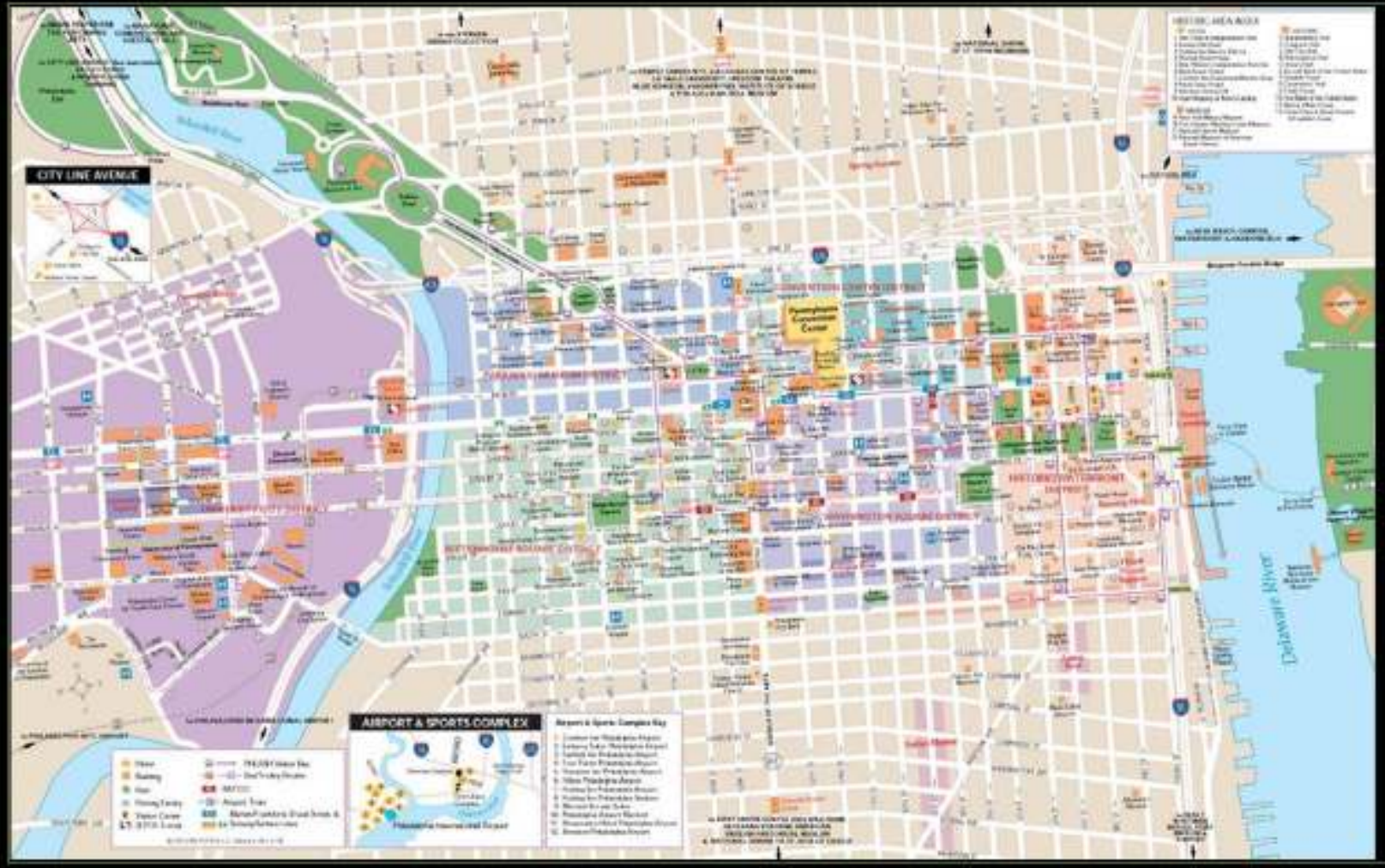

Philadelphia Museum of Art
The Avenue of the Arts (North)
Benjamin Franklin Parkway
Franklin Square
Vine
Logan Square
JFK Blvd
Market
City Hall & Center Square
Pennsylvania Convention Center
Independence National Historical Park
Walnut
Rittenhouse Square
The Avenue of the Arts (South)
Washington Square
Penn's Landing
South West Center City
South Philadelphia
Broad St
Front
Christopher Columbus Blvd

PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

ARTS & TECHNOLOGY



PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

AVENUE OF THE ARTS (BROAD STREET)

AVENUE OF TECHNOLOGY (MARKET STREET)

UNIVERSITY CITY

PHILADELPHIA NAVY YARD

NAVY YARD AS HISTORIC OPPORTUNITY

PHILADELPHIA: ARTS, CULTURE & TECHNOLOGY

TERRITORIOS INTELIGENTES

Cities as Ecosystems of Innovation

Alfonso Vegara

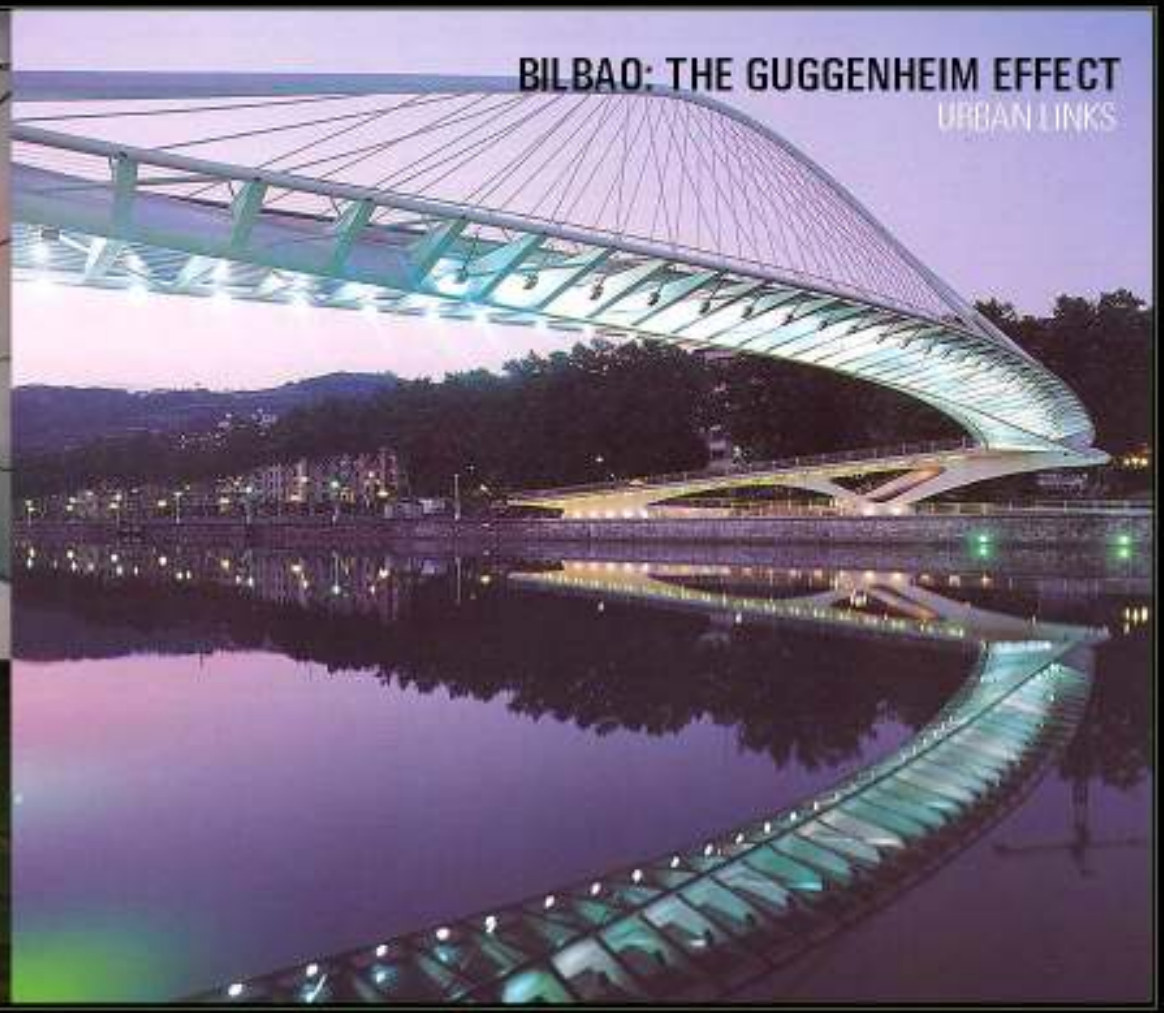
BILBAO: THE GUGGENHEIM EFFECT

LONG TERM PROJECT TO REGENERATE OBSOLETE INDUSTRIAL AND PORT LANDS ALONG RIVER

BILBAO: THE GUGGENHEIM EFFECT

Nervion Estuary as Development Axis

Architecture of excellence



BILBAO: THE GUGGENHEIM EFFECT

URBAN LINKS

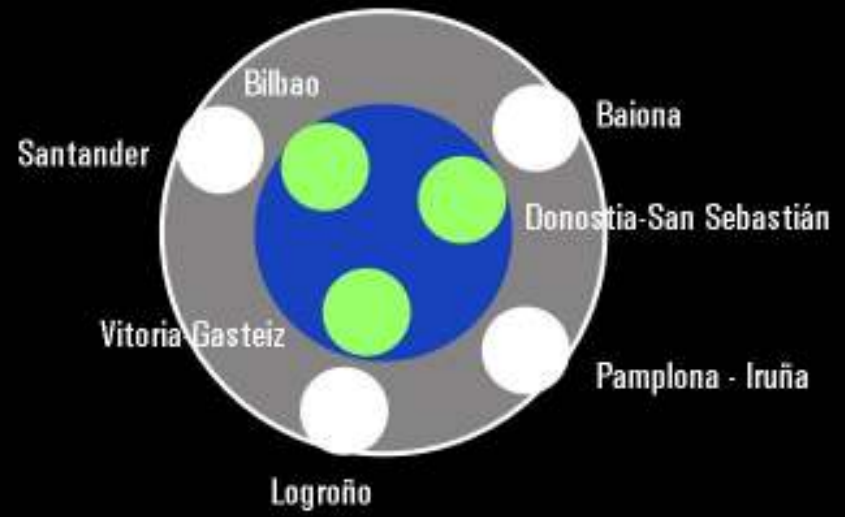
BILBAO: THE GUGGENHEIM EFFECT
ABANDOIBARRA DISTRICT

BILBAO: THE GUGGENHEIM EFFECT
ZORROZAURRE

BILBAO: THE GUGGENHEIM EFFECT

LA GRAN RÓTULA

EUSKALHIRIA. Sistema policéntrico vasco de capitales



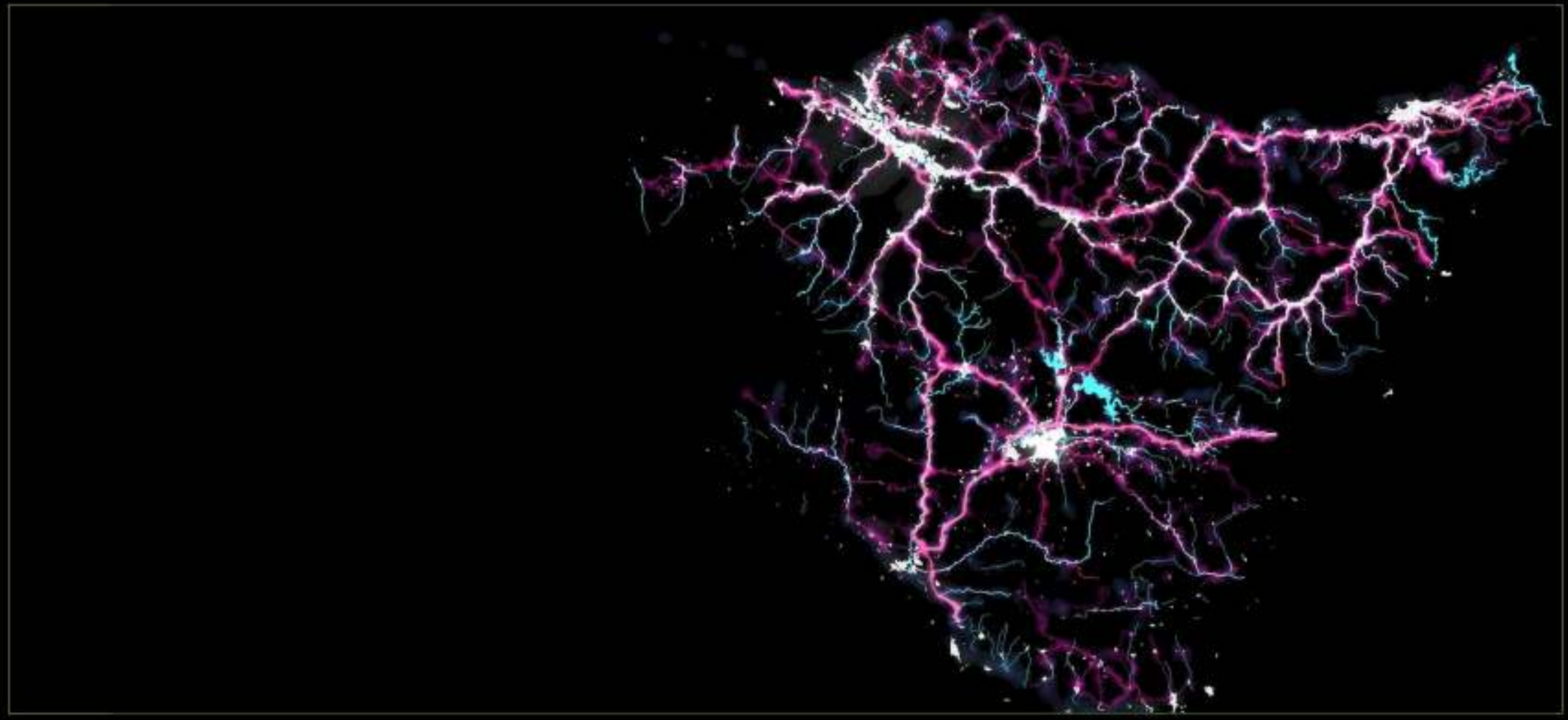
NODO DE CENTRALIDAD EUROPEO

TERRITORIOS INTELIGENTES

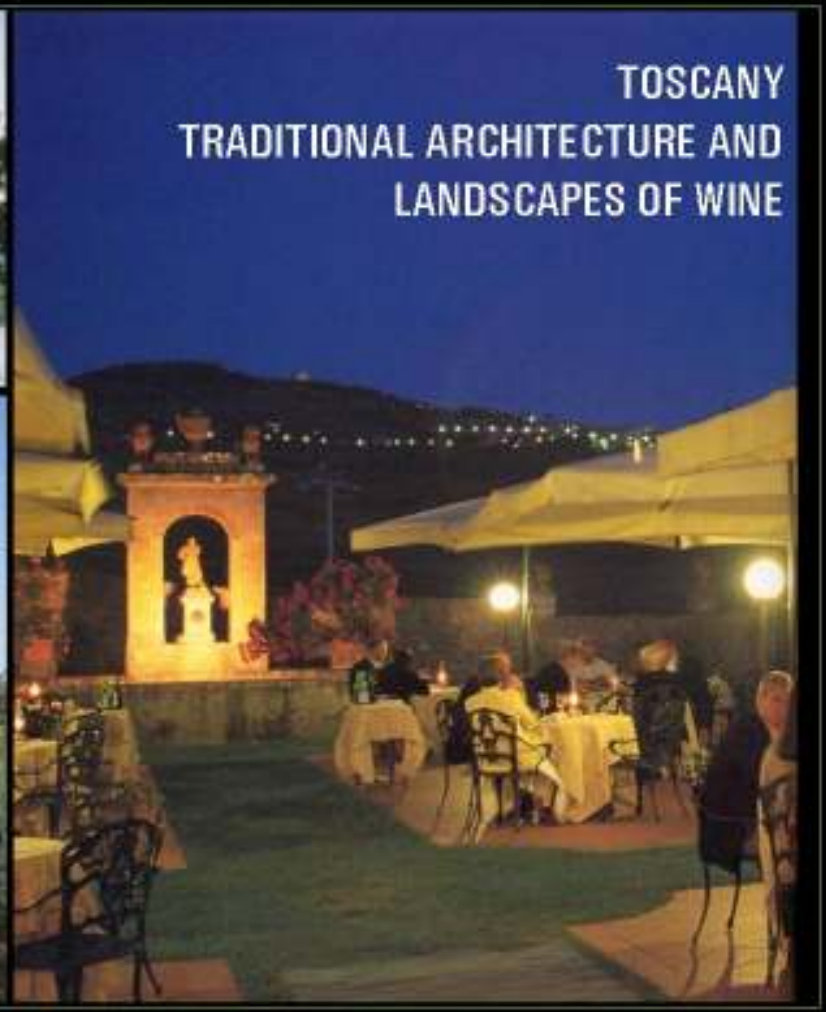
Cities as Ecosystems of Innovation

Parque Tecnológico de Bizkaia

PARQUE TECNOLOGICO ALAVA ARABARO TEKNOLOGI PARKEA



LA RIOJA



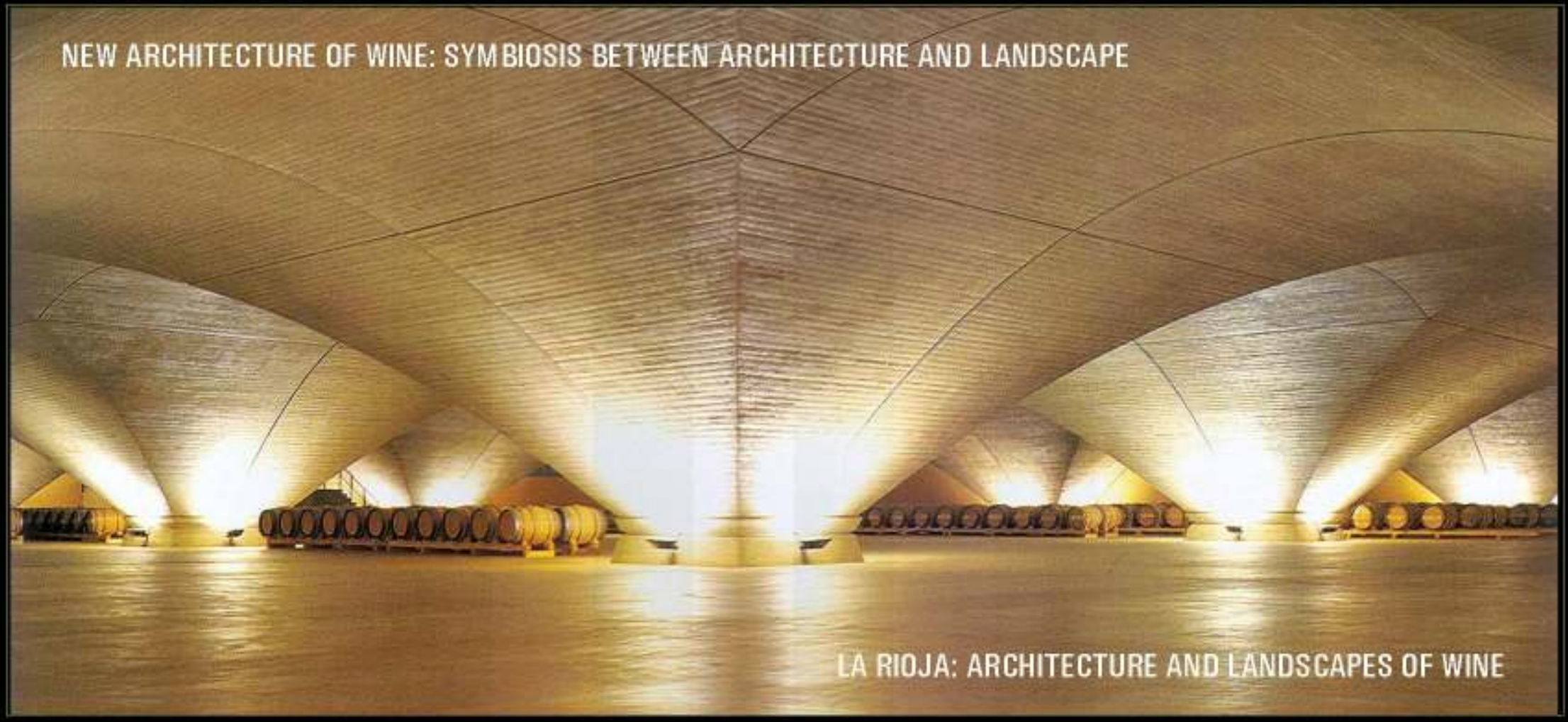
TOSCANY
TRADITIONAL ARCHITECTURE AND LANDSCAPES OF WINE

THE INDUSTRY OF WINE: SYMBIOSIS BETWEEN AGRICULTURE AND LEISURE - CALIFORNIA

THE INDUSTRY OF WINE: SYMBIOSIS BETWEEN AGRICULTURE AND LEISURE - AUSTRALIA

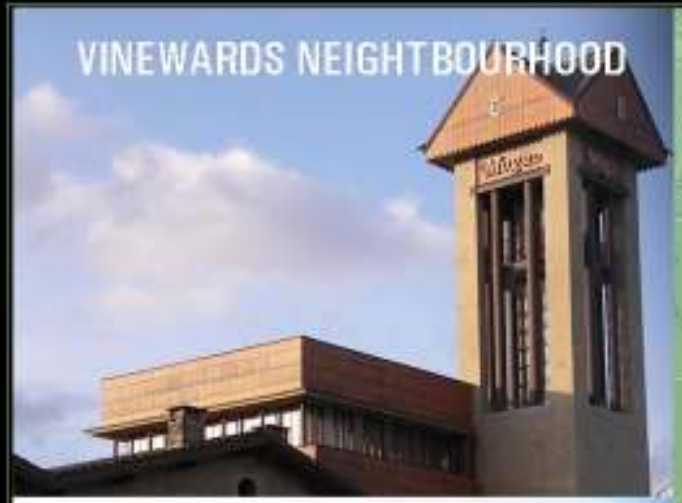
NEW ARCHITECTURE OF WINE: SYMBIOSIS BETWEEN ARCHITECTURE AND LANDSCAPE

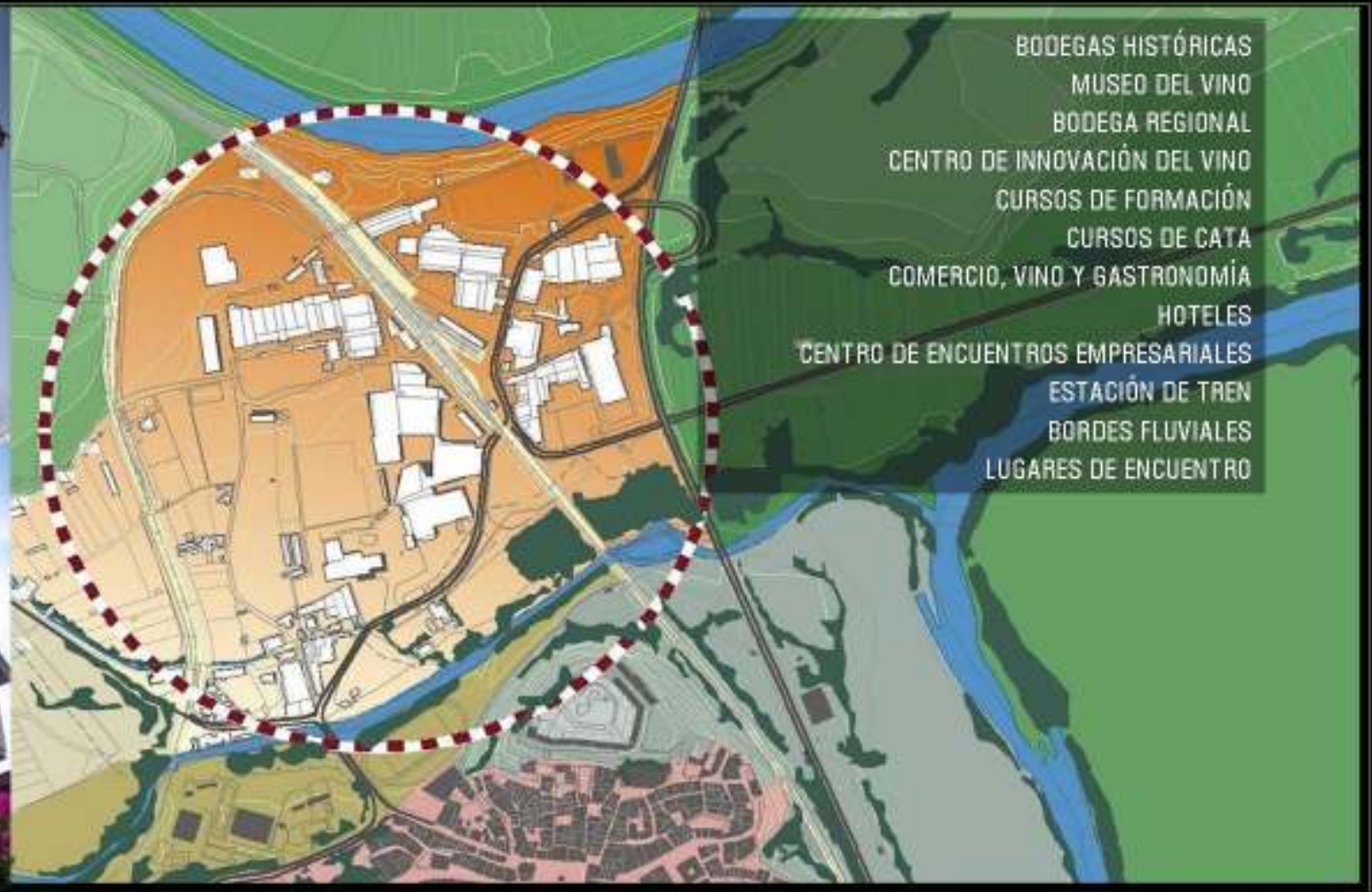
NEW ARCHITECTURE OF WINE: SYMBIOSIS BETWEEN ARCHITECTURE AND LANDSCAPE



LA RIOJA: ARCHITECTURE AND LANDSCAPES OF WINE

ECOLOGICAL CORRIDORS
LA RIOJA: ARCHITECTURE AND LANDSCAPES OF WINE
Canal de Arrauri
Río Ebro
Río Tirón


VINEWARDS NEIGHTBOURHOOD


BODEGAS HISTÓRICAS
MUSEO DEL VINO
BODEGA REGIONAL
CENTRO DE INNOVACIÓN DEL VINO
CURSOS DE FORMACIÓN
CURSOS DE CATA
COMERCIO, VINO Y GASTRONOMÍA
HOTELES
CENTRO DE ENCUENTROS EMPRESARIALES
ESTACIÓN DE TREN
BORDES FLUVIALES
LUGARES DE ENCUENTRO

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LUGARES DE ENCUENTRO
LA RIOJA: ARCHITECTURE AND LANDSCAPES OF WINE

HISTORIC CENTRE

LAND ART

PAISAJES Y ARQUITECTURAS DEL VINO
Universidad Libre del Medio Ambiente y del Vino
PAISAJES AGRÍCOLAS
BARRIO DE LAS BODEGAS
EL MEANDRO DE LAS VIÑAS

LANDSCAPE

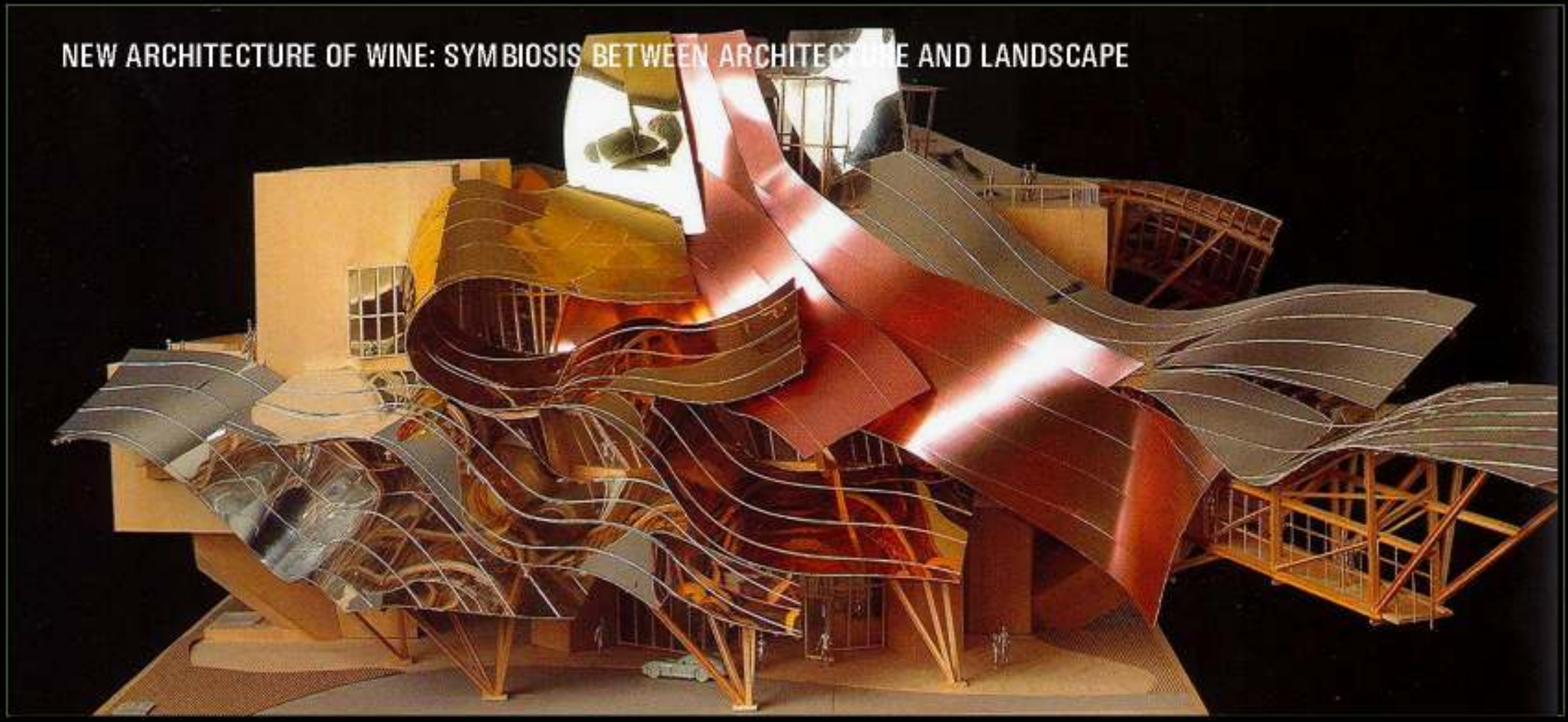
LAGUARDIA

ECOLOGICAL VILLAGE: CENTRAL VINEYARD

ECOLOGICAL VILLAGE: CENTRAL VINEYARD

ECOLOGICAL VILLAGE: PUBLIC SPACES

ECOLOGICAL VILLAGE: WINE ARCHITECTURE

ECOLOGICAL VILLAGE: ARCHITECTURE AND LANDSCAPE

NEW ARCHITECTURE OF WINE: SYMBIOSIS BETWEEN ARCHITECTURE AND LANDSCAPE