



国际绿色范例新城倡议：包容、弹性和智慧的城市
International Green Model City Initiative: Inclusive, Resilient, and Smart Cities

The 15th Annual Session of Global Forum on Human Settlements

第十五届全球人居环境论坛年会

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TMI FUNDACION METROPOLI
Building a Sustainable Future

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Senior International Advisor



The Natural Green
Curitiba, Brazil, 2000



The Digital Green

K.L. Malaysia, 2010

SUPERCITIES

La Inteligencia del Territorio

 中国建筑工业出版社
CHINA ARCHITECTURE & BUILDING PRESS

 TMI FUNDACIONMETROPOLI
Knowledge creation and sharing



The Integrated Green: Multilayered connectivity
The Colombia Diamond. "ISOCARP Award for Excellence 2018"

未来之城

TERRITORIOS
INTELIGENTES

ALFONSO VEGARA
JUAN LUIS DE LAS RIVAS

中国建筑工业出版社



Economic Potential



SUPERCITIES

Create



DIAMONDS

Conform



DIAGONALS

Incubation

Components of Excellence



Intelligence of the Territory

Economy

Quality of Growth

Society

Quality of Life

Environment

Quality of Health

Madrid LIFE

A City for "PEOPLE"

SMART Sustainable Solutions
Focus Domains

Environment & Water

Water Management
Pneumatic Waste Collection
Roof Top Vertical Farming
Pollution Control Digital System

Public Realm & Community

Digital Tools to Optimize Public Space
Eco-Friendly Community
Outdoor Comfort Digital Systems
Digitally Monitored Utilities
Community Engaging Events

Sensing & Communications
Urban Analytics
Cross-domain Integration

ITC Integration

Built Environment & City Management

Green Buildings
Urban Design
Urban Services for Citizens

Urban Mobility

Autonomous Electrical Buses
Connected Urban logistics
Intelligent Transport Systems
Last Mile Solutions

Energy

Climate - Positive Buildings
Energy Roofs & Facades
Advanced Power Micro Grids
Smart Energy Management



Bilbao, Spain

Population: 342,810 people

Area 41.00 km²

Urban Area 18.00 km²

GDP: 37,183 USD/year

GDP per capita: 13 Billion USD





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