

SUSTAINABLE DEVELOPMENT

SUSTAINABLE CITIES

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THE CITY

Human settlement

Provides...



Government organisation

security

transportation

housing

science

culture

relationships

business

sanitation

amenities



FACTS AND FIGURES

Half of humanity – 3.5 billion people – lives in cities today

By 2030, almost 60% of the world population will live in urban areas

95% of urban expansion in the next decades will take place in developing countries

828 million people live in slums today and the number keeps rising

The world's cities occupy 3% of the Earth's land, but account for 60-80% of energy consumption and 75% of carbon emissions

Rapid urbanization is exerting pressure on fresh water supplies, sewage, the living environment, and public health



FACTS AND FIGURES

HOW DID WE GET TO THIS POINT?

VIDEO

<https://www.youtube.com/watch?v=fKnAJCSGSdk>



CITY PROBLEMS NOWADAYS

Globalization

Separation of urban uses

Developmentalism

Land footprint

Pollution

Participation

Traffic/transport

Corruption

Housing

Historic centre desertion

Services (health, education, etc.)

Tourism

Supplies (food, water, energy, sewage)

Overcrowded

Waste

Growing complexity



SUSTAINABLE CITIES

Also referred as Sustainable Urban Developments or Sustainable Communities

"Sustainable communities are defined as **towns and cities** that have taken **steps** to remain **healthy over the long term**. Sustainable communities have a strong sense of **place**. They have a **vision** that is **embraced and actively promoted** by all of the key sectors of **society**, including businesses, disadvantaged groups, environmentalists, civic associations, government agencies, and religious organizations. They are places that build on their assets and dare to be **innovative**. These communities value **healthy ecosystems**, use **resources efficiently**, and actively seek to retain and enhance a **locally based economy**. There is a pervasive **volunteer spirit** that is rewarded by concrete results. **Partnerships** between and among government, the business sector, and nonprofit organizations are common. **Public debate** in these communities is engaging, inclusive, and constructive. Unlike traditional community development approaches, sustainability strategies emphasize: the whole **community** (instead of just disadvantaged neighborhoods); **ecosystem protection**; meaningful and broad-based **citizen participation**; and **economic self-reliance**."

- *Institute for Sustainable Communities*



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SUSTAINABLE CITIES

Four main domains developed

ECOLOGY

ECONOMICS

POLITICS

CULTURE



SUSTAINABLE CITIES

SUSTAINABLE DEVELOPMENT GOALS. GOAL 11 TARGETS



<http://www.undp.org/content/undp/en/home/sustainable-development-goals/goal-11-sustainable-cities-and-communities/targets/>



EUROPEAN SUSTAINABLE CITIES

1994. 1ST Conference of European Sustainable Cities

Aalborg Charter

Part I. Consensus Declaration: European Cities and Towns Towards Sustainability

Part II. The European Sustainable Cities and Towns Campaign

Part III. Engaging in Local Agenda 21 Processes: Local Action Plans Towards Sustainability

2004. 4th Conference of European Sustainable Cities Aalborg+10

Aalborg Commitments

2016. 8th Conference of European Sustainable Cities (Basque Country)

The Basque Declaration

http://www.sustainablecities.eu/fileadmin/repository/Basque_Declaration_New_Email_Address/Basque-Declaration-ENGLISH-print_NO_Marks.pdf



EUROPEAN SUSTAINABLE CITIES

From here there is a wide range of initiatives...

<http://www.sustainablecities.eu/local-sustainability-frameworks/>



OTHER PROPOSALS

<https://ecocitybuilders.org/>

Eco-Cities

Founded in Berkeley, California (1975) by Richard Register
Reconstruction of cities in balance with nature

Origins of further movement of Urban Ecology

International Eco-City Conference. First in California (1990), last in Melbourne (2017).





OTHER PROPOSALS

Slow Cities

“Live slow”. Slow food, slow schools, slow living

Traditions and traditional ways of doing things

Against an homogenised world

Less traffic, less noise, fewer crowds

Not applicable to towns or cities with more than 50,000 inhabitants



<http://www.slowmovement.com/aboutus.php>





OTHER PROPOSALS

Transition Cities

The community organises itself to take responsibility of their own future
Community-led economy

Principles:

- Resilience
- Inclusivity and social justice
- Self-organisation and decision making
- Balance: Reflection, celebration and rest
- Visioning and creativity
- Network

<https://transitionnetwork.org/>

Transition near
me MAP



OTHER PROPOSALS

Low Carbon Cities



Promotion of urban development strategies to reduce carbon emissions

<https://www.carbontrust.com/low-carbon-cities/>



OTHER PROPOSALS

Smart Cities

Information and communication technologies

Increase operational efficiency

Share information with the public

Improvement of government services and citizen welfare

<https://www.youtube.com/watch?v=Br5aJa6MkBc>

Trends:

- Automation
- Machine learning
- Internet of Things (IoT)

