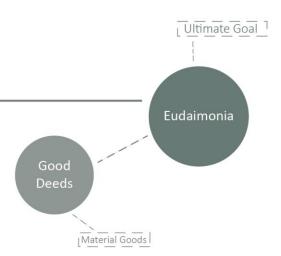
Happiness & Sustainability Around the Earth

Happy Cities: Strategies and Applications in pursuit of urban well-being

Savvas Stroumpas

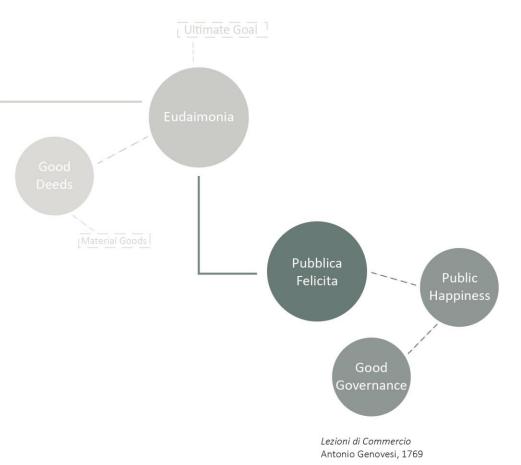




Nicomachean Ethics Aristotle, 349 b.C.

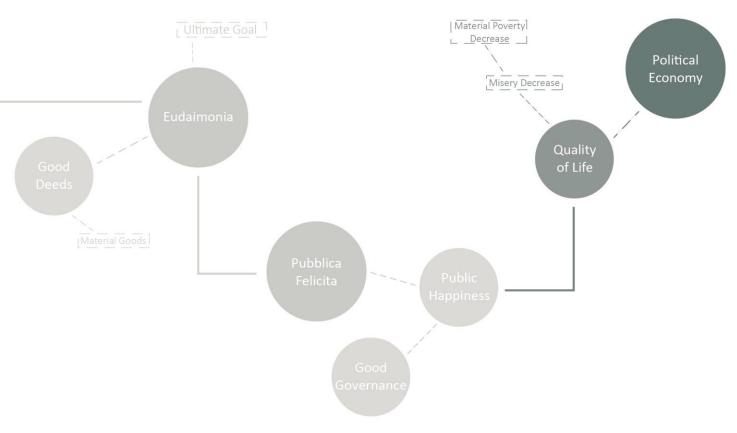








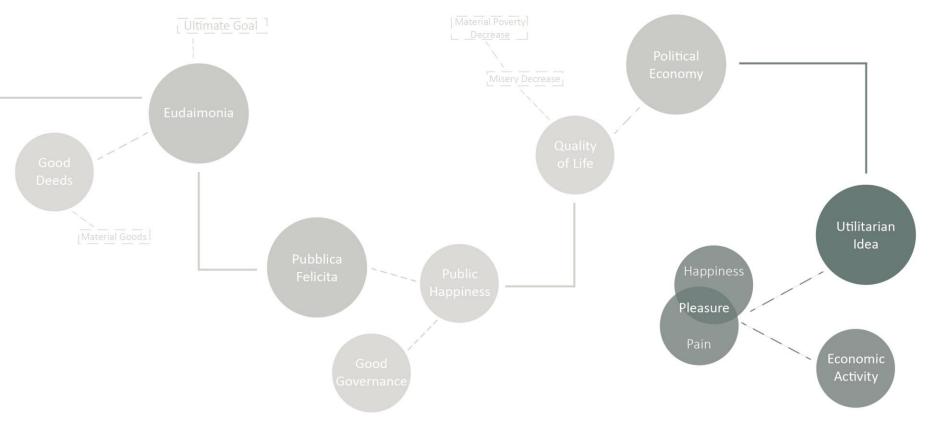




Nouveaux Principes d'Economie Politique Jean Charles Léonard de Sismondi, 1819



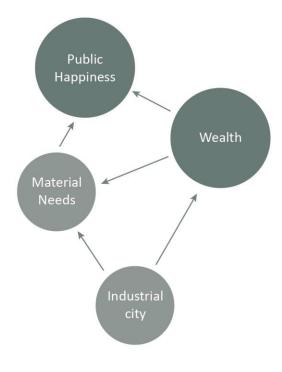




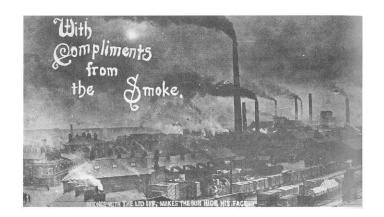
An Introduction to the Principles of Morals and Legislation Jeremy Bentham, 1789







The Wealth of Nations Adam Smith, 1776



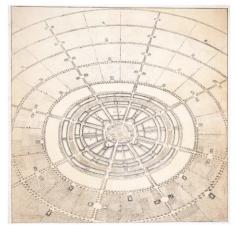


A COURT FOR KING CHOLERA.

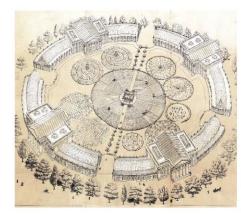




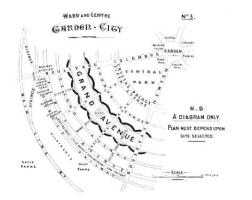
Happy Colony by Robert Pemberton



In the center of the circular city are placed the four colleges, in the second ring the factories, in the third the houses and in the fourth the public gardens, the crops with the rural houses.

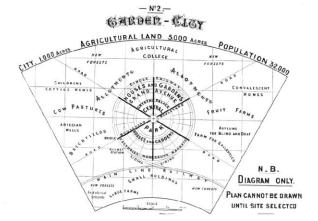


View of the four colleges at the central circle of the city



Garden City by Ebenezer Howard

The main rings of organization of the city



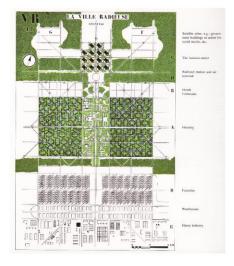
The main structure of the city in the center with the regional agricultural areas as a restrictive zone of expansion of the city





Ville Radieuse by Le Corbusier

Image of a city model with the towers above the Ile de la Cité in Paris

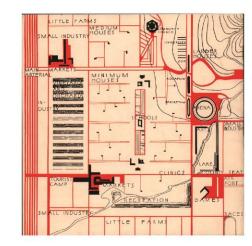


The masterplan with the zones of land use



Broadacre City by Frank Lloyd Wirght

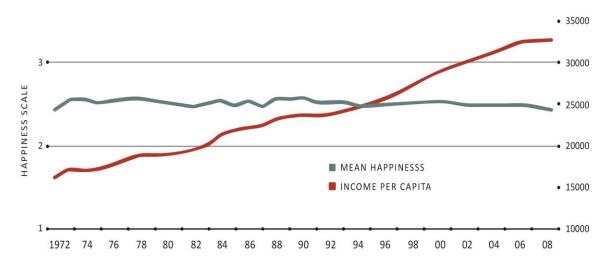
Aerial view of agricultural land along with supporting structures



The masterplan with farmland and scattered infrastructure







Easterlin Paradox









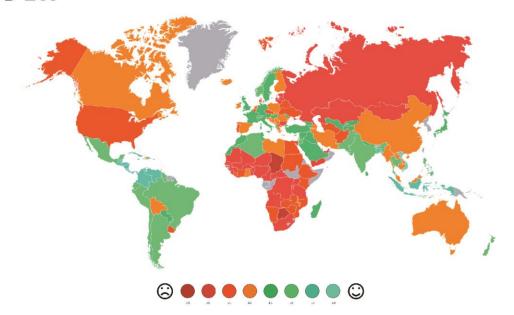


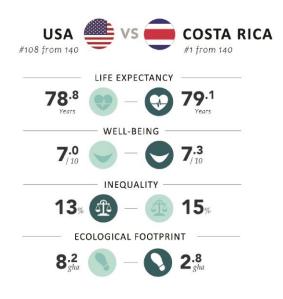


Ecological foorprint



HAPPY PLANET INDEX

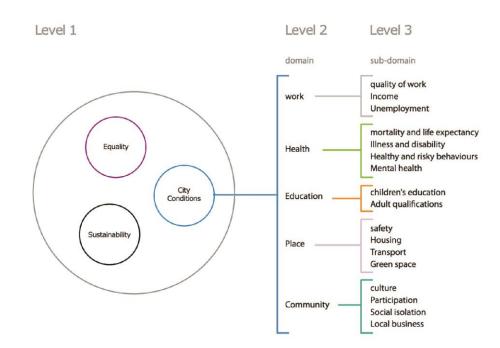








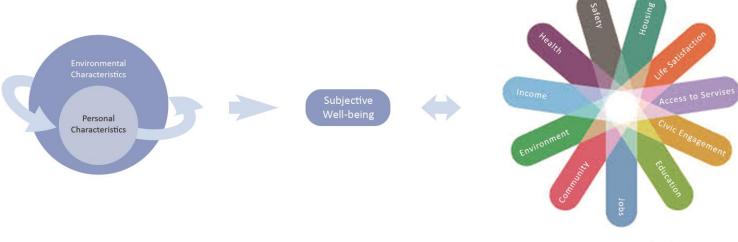












Factors associated with subjective well-being

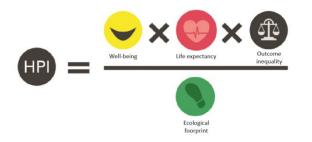
















Ecological Footprint as variable

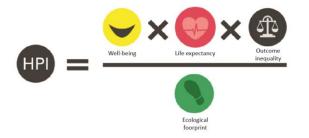


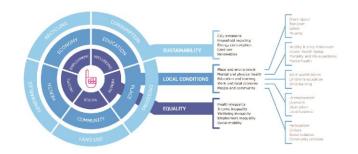














Ecological Footprint as variable

national scale of measurement and evaluation

local communities or administratives scale

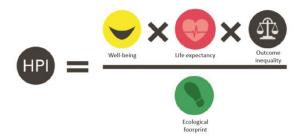


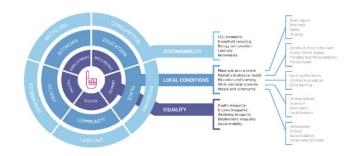














Ecological Footprint as variable

national scale of measurement and evaluation

local communities or administratives scale

classified factors

non classified





Education Qualifications

Life Expectancy

Community

Mental Health

Subjective Well-being Participation CO₂ Emissions

Social Cohesion

Employment Inequalities Culture Social Isolation Political Commitment

Healthy Behaviors

Life Satisfaction Employment Unemployment

Ecological Foorprint Security

Income Local Companies

Recycling Energy Consumption
Environment Outcomes Green Spaces

Public Trasportation Access to Services

Housing Income Inequalities



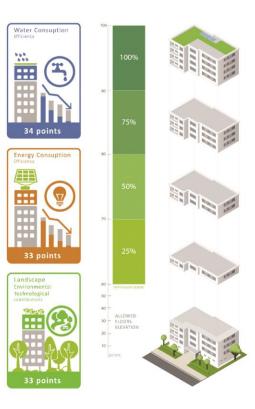






 Tool for Ecological Efficiency, Quito, Ecuador Compact development and mixed use areas near transport hubs









Urban Planning and Placemaking

- Tool for Ecological Efficiency, Quito Compact development and mixed use areas near transport hubs
- Placemaking method combination of top-down and bottom-up initiatives



Before



After



Placemaking program through participatory design with the inhabitants of the neighborhood in city of Patras, Greece May 2019 astikakoina.org

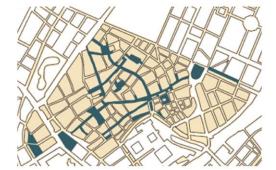








1966: 15,800 m2



1996: 95,750 m2



Development of the pedestrian network in the city of Copenhagen



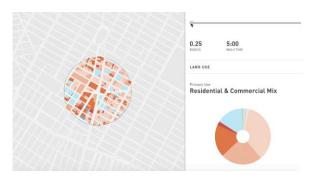


Placemaking method
 Combination of top-down and bottom-up initiatives

Walkability Strengthening the liveability of individual and social activities

20minute neighborhood Mixed use areas of housing, trade, daily needs within walking distance



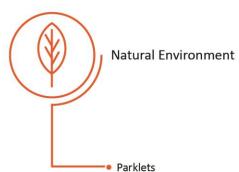




56% of the world's population will live in cities until 2025 consuming 70% of world energy 1,78 bn
people have inhaled
polluted air over the
last decade. This has
led to multiple diseases

warmer night temperatures in urban areas with a population exceeding 5 million compared to the surrounding areas





Parklets Small-scale urban interventions to strengthen pedestrian traffic on sidewalks





Community program for installing parklets Vancouver, Canada







Natural Environment

Parklets
 Small-scale urban interventions to strengthen pedestrian traffic on sidewalks

 Reuse of abandoned infrastructures
 Conversion of useless urban structures into parks



The High Line (former railway infrastructure) New York City



The Bentway (use of remaining space under a highway)
Toronto







Natural Environment

- Parklets
 Small-scale urban interventions to strengthen pedestrian traffic
- Reuse of abandoned infrastructures
 Conversion of useless urban structures into parks
- Short-term change of use of public spaces
 Pilot programs of possible change of land use program for greater involvement of citizens in public life



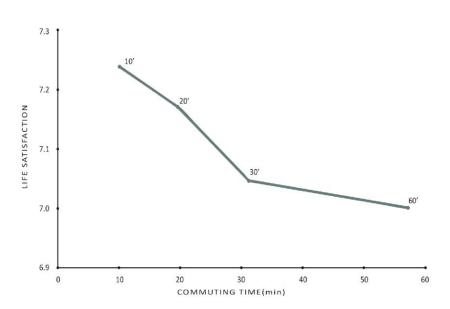


Short-term transformation of a square into park in Aarhous, Denmark Schonherr Architects

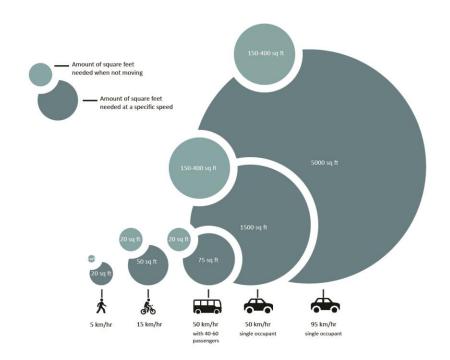




Mobility and Public Transport



Commuting time and average reported satisfaction with life, Germany 1985-1998









Bicycle Network, Seville Promoting active mobility through the development of a bicycle network

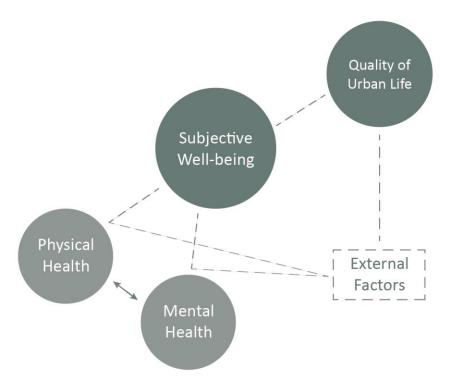
















Ciclovia Program, Bogota Motor vehicle removal day for free movement of bicycles and pedestrians

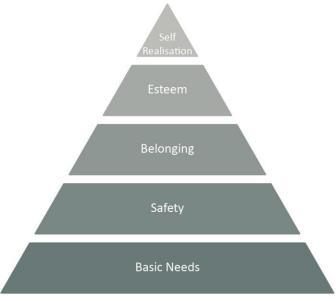




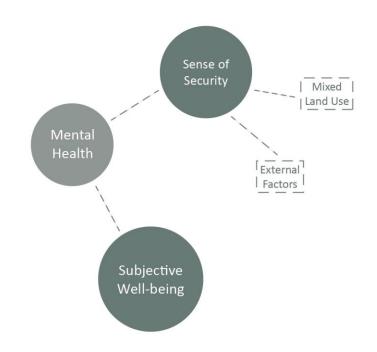








Safety as the second most valuable need at Maslow's hierarchy of needs pyramid







CONCLUSIONS

Interventions related to design within the urban fabric usually have a direct effect on people's quality of life.

Issues related to policy making are aimed at deeper changes in the social fabric.

The local authorities must activate the citizens through these methods, in order for them to actively participate.

Cities need to invest on all levels to achieve a holistic and sustainable result.

The challenge is not only design, but also psychological and social.

