

EcoCities

To what extents is there a link between the spread of EcoCities around the world and the global warming on earth ?

Definition

An Ecocity (or sustainable city) *“is an ecologically healthy city. That also means the city design is strongly informed by knowledge of ecology and its design principles. The "anatomy analogy" is very instructional in the enterprise of trying to build ecologically healthy cities. As in living organisms with different functions arranged close to one another in an appropriate spatial relationship, so too for cities”*.

Richard Register, one of the pioneers of the Ecocity movement

Definition

The ultimate goal of many eco-cities is to eliminate all carbon waste, to produce energy entirely through renewable sources, and to incorporate the environment into the city.

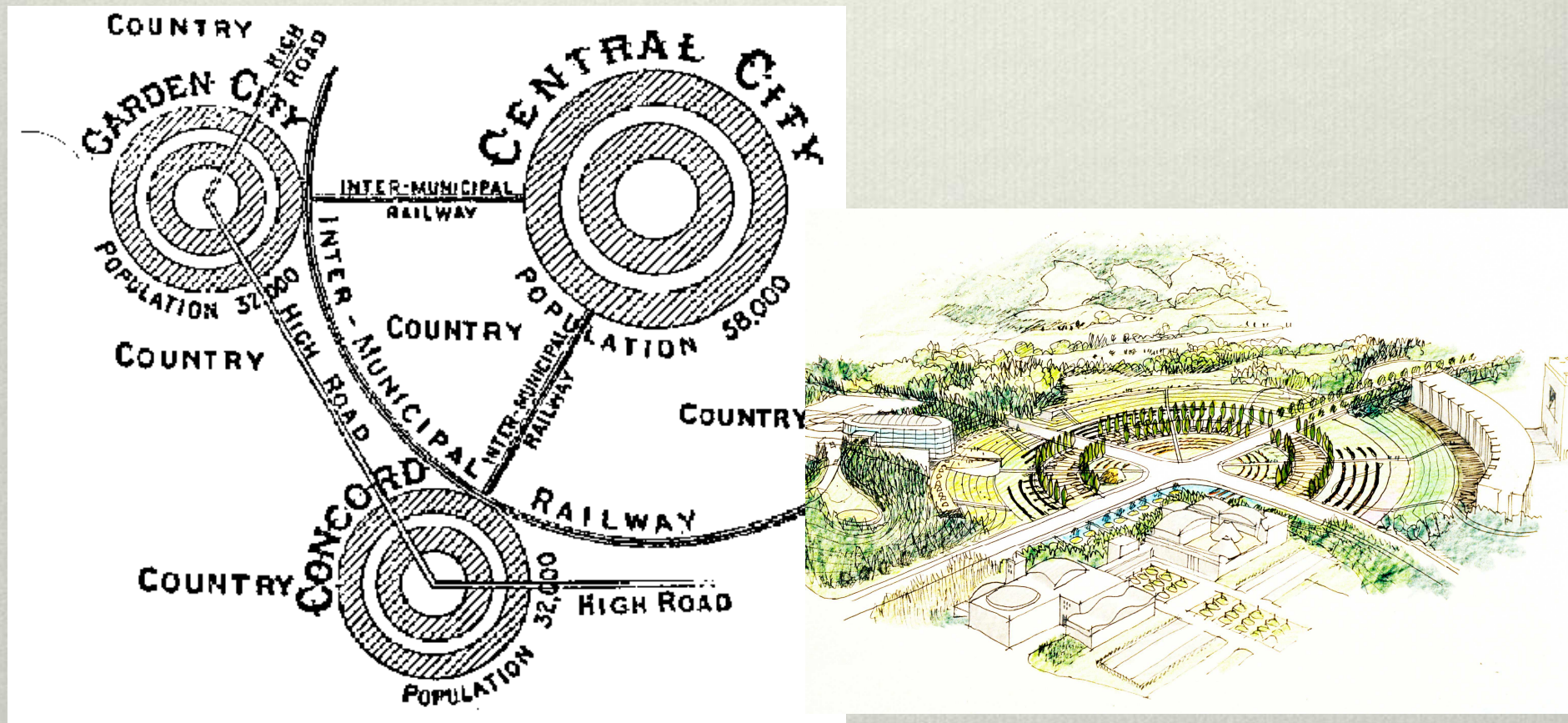


Theoretical framework

- ❖ Observe the spread of EcoCities since the beginning of the XXth century
- ❖ Try to relate this spreading to the threat of the global warming.
- ❖ Understand the role of the stakeholders such as:
 - ❖ Governments
 - ❖ People and Society
 - ❖ New technologies
 - ❖ Architect and contractors

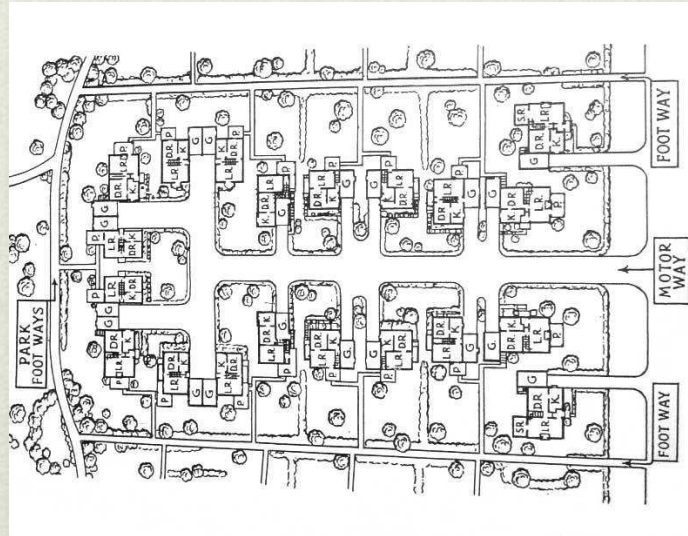
History

- ❖ 1898: Roots of Eco City with the **Garden City** of Howard, just an utopia at the beginning.



History

- ❖ 1950's: First real step with the American garden city developments of Sunnyside, NY.



- ❖ 1975: The word Eco City appears. Richard Register, the founder of the eco-city movement, wants to restructure the city to be in balance with nature.

History

- ❖ 1990: First International Eco City conference in Berkeley. 8 conference since this time.
- ❖ Real start of cooperation between Architects, Engineering schools, Energy and construction companies and researchers to think the city of tomorrow.
For instance: the benchmark published in 2005 by the Sustainable SITES initiative.
- ❖ Spread of Eco cities all over the world:

Why is this relevant ?

Influence of environmentalist
on urbanism

Since one century



Influence of Eco-cities on
common behavior

Freiburg, Germany



Lyon, France



LYON
SMART
COMMUNITY

Vous êtes à la Confluence de l'énergie et de l'environnement



©Asylum pour SPL Lyon Confluence

Tianjin, China

The biggest Eco City in the world



Research Questions

- ❖ To what extents is there a link between the spread of EcoCities around the world and the global warming on earth ?
- ❖ Is this not just a propaganda ?

Methodology & Sources

- ❖ Methodology: both archives and modern reports
- ❖ Reports of International Eco City conference
- ❖ Interview of Richard Register
- ❖ Report and analyses (energy) from different Eco cities
- ❖ Survey and interview of people who live in Eco cities
- ❖ Archives of Garden cities (press and reports of 1900's)