



AMBIENTE UM FUTURO, DIFERENTES ALTERNATIVAS



JORTEC 2014 -- Jornadas Tecnológicas da FCT/UNL

Futuro das Cidades e Tecnologia

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FCT/UNL
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Departamento de Ciências e Engenharia do Ambiente

www.dcea.fct.unl.pt/

Importância das Cidades e Diversidade de Conceitos

**Low Carbon
Cities**

**Garden
Cities**

**Eco
Cities**

**Social
Cities**

**Green
Cities**

**Smart
Cities**

**Biophilic
Cities**

**Sustainable
Cities**

**Energy
Cities**

**Transition
Cities**

**Creative
Cities**

**Inclusive
Cities**

**Prosperous
Cities**

**Resilient
Cities**

**Livable
Cities**

**Healthy
Cities**

**Green-Growth
Cities**

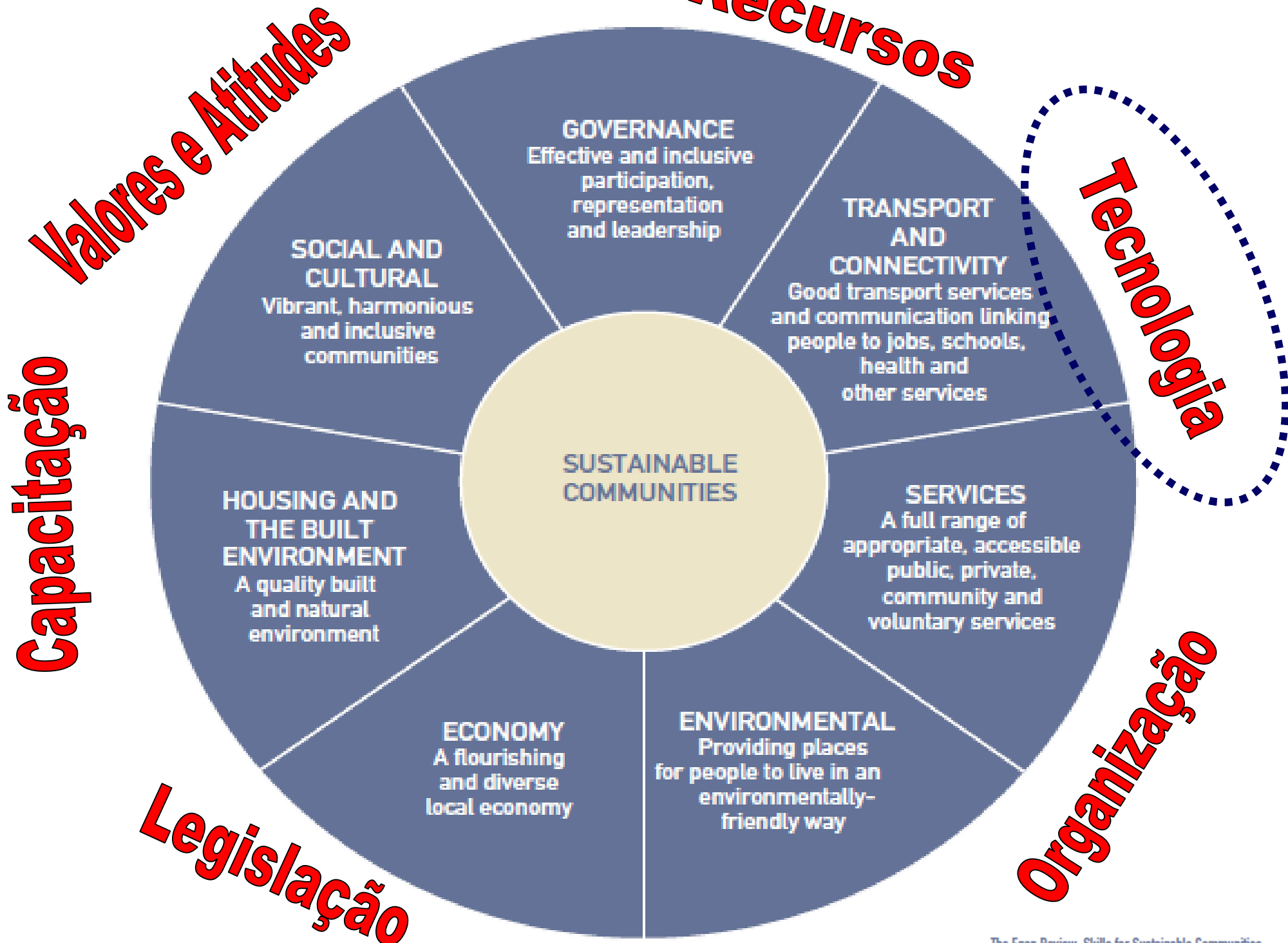
**Compact
Cities**

**Open
Cities**

**Smart-Growth
Cities**

**Symbio
Cities**

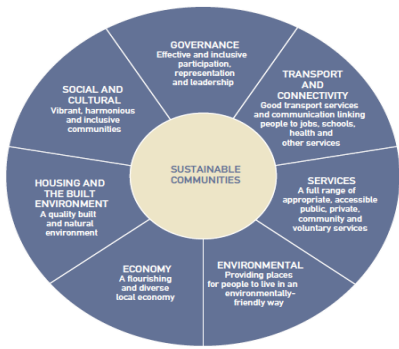
Perspectiva Integrada e Análise Sistémica



CITIES OF TOMORROW



Comissão Europeia, Direcção Geral da Política Regional, UE 2011
http://ec.europa.eu/regional_policy/conferences/citiesoftomorrow/index_en.cfm



Cidade Sustentável

Muitas Oportunidades de Trabalho

Tecnologias Verdes

“GreenTech made in Germany 3.0”

<http://www.bmu.de/en/bmu/press-and-speeches/current-press-releases/detailansicht-en/artikel/greentech-atlas-30-released-1/>



The global market for environmental technology and resource efficiency will more than double in size by 2025

2 044 billion euros, in 2011

Is expected to more than double to over

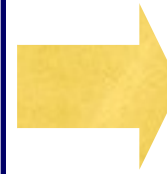
4 400 billion euros, by 2025

German companies are well positioned on the world market and will be able to retain their current global market share of environmental technologies, averaging 15%, up to 2025.

Mega-Trends

Demographic development,
Increasing industrialization of emerging nations,
Scarcity of resources, and
Climate change

→ **Shape social, political and economic conditions throughout the world**



Drivers

for the
Green Markets
of the future and for the
necessary development of
a **Green Economy**

Lead Markets for

Environmental Technologies and Resource Efficiency

- ✓ Energy efficiency,
- ✓ Sustainable water management,
- ✓ Environmentally-friendly power generation and storage,
- ✓ Sustainable mobility,
- ✓ Material efficiency and
- ✓ Waste management and recycling.

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