

# THE INNOVATIVE METROPOLIS:

**FOSTERING ECONOMIC COMPETITIVENESS THROUGH  
SUSTAINABLE URBAN DESIGN**

## COPENHAGEN

### HISTORY AND CONTEXT

**State/Province:** Oresund

**Country:** Denmark

**Köppen Classification:** Humid Continental

**Political Adjacencies:** Malmö, Sweden

**Land Area:** 34.07 square miles

**Spatial Adjacencies:** Located primarily on the island of Zealand with additional portions of the city on the island of Amager as well as both natural and artificial islands, Copenhagen is separated from Sweden by the Oresund Strait, which connects the North Sea with the Baltic Sea.

**Municipality Population:** 559,440

**Metropolitan Population:** 1,950,522

**Population Density:** 1,700/square mile

**Racial Distribution:** 77.8% Danish, 22.2% Other

**Language:** Danish

**City Inception/Incorporation Date:** 13th century

### POLICIES AND ORGANIZATION

**Current Strategic Plan:** Finger Plan 2007

Link: <http://www.naturstyrelsen.dk/NR/rdonlyres/168AEF1C-EE66-4FE9-95D3-92B5D4452BFD/0/9788772797793.pdf>

**Spatial Planning in Denmark**

Link: <http://www.naturstyrelsen.dk/NR/rdonlyres/C0C24D17-46A3-49FC-9667-09D69A31E-CEE/79293/spatialplanning.pdf>

**Major Development Distinction:** From 2010-2012, Copenhagen's lord mayor was the President of Eurocities, a network of European cities that seeks to impact European legislation on issues of climate, growth, and employment.

**Agents of Urban Development:** The Technical and Environmental Committee, The Ministry of the Environment

**Sustainability Plan:** Eco-Metropolis 2015

Link: [http://kk.sites.itera.dk/apps/kk\\_pub2/pdf/674\\_CfbnhMePZr.pdf](http://kk.sites.itera.dk/apps/kk_pub2/pdf/674_CfbnhMePZr.pdf)

### ECONOMICS

**Largest Industry of Employment:** Over 100 biotechnology companies

**Shipping:**

Port: 18,300,000 tonnes

**Air:****Copenhagen Airport, Kastrup**

19,715,451 passengers (2009)

Link: <http://www.cph.dk/CPH/UK/ABOUT+CPH/Traffic+Statistics/2009/>**Exchanges:** OMX Copenhagen Stock Exchange**Fortune 500 Companies:** 2**Contemporary Economic Engines:** Life science, information technology, shipping, research and development**Cleantech Cluster:** Fuel, renewability, biotech researchLink: <http://www.cphcleantech.com/>**Regional Economic Partners:** Malmö, Sweden**ENVIRONMENT****Environmental Agency:** The Technical and Environmental AdministrationLink: <http://www.kk.dk/da/om-kommunen/forvaltninger/teknik-og-miljoeforvaltning>**Water****Management:** Copenhagen EnergyLink: <http://subsite.kk.dk/sitecore/content/Subsites/CityOfCopenhagen/SubsiteFrontpage/LivingInCopenhagen/ClimateAndEnvironment/CopenhagensGreenAccounts/Water.aspx>**Source:** Groundwater, reclaimed water**Per Capita Usage:** 7.6 gallons/day**Reserves:** Reclaimed water**Flood/Drought History:** Most recently, there were major flash floods in 2011.**Waste Management****Public/Private – Department Name:** The Technical and Environmental AdministrationLink: <http://subsite.kk.dk/sitecore/content/Subsites/CityOfCopenhagen/SubsiteFrontpage/LivingInCopenhagen/ClimateAndEnvironment/CopenhagensGreenAccounts/Waste.aspx>**Waste Production:** 202,000 tonnes**Waste Per Capita:** 838 pounds**Energy****Source:**

13% Waste, biomass, biogas

23% Wind, hydro, solar

2% Nuclear

22% Natural gas, oil

40% Coal, brown coal

**Quantity:** 7 million kWh/dayLink: <http://subsite.kk.dk/sitecore/content/Subsites/CityOfCopenhagen/SubsiteFrontpage/LivingInCopenhagen/ClimateAndEnvironment/CopenhagensGreenAccounts/EnergyAndCO2/Electricity.aspx>**TRANSPORTATION****Major Airports:** Copenhagen Airport, Kastrup**Major Highways and Interstates:** 5

**Public Transportation Options:** Mini metro, opened in 2002

**Number of lines:** 2

**Total Stations:** 22

**Current Adopted Bike Plan:** The City of Copenhagen's BiCycle sTraTegy 2011-2025

Municipal policy aspires for 40% of commuters to travel by bike by 2012, and 50% by 2015.

**Status of Bike Infrastructure:** A system of interconnected green bicycle routes and greenways are under development to create a fast, safe, and pleasant means of transport. The plan will cover 62 miles and will have 22 routes when completed. In addition, public bicycles can be found throughout the city and rented with a returnable deposit.

### QUALITY OF LIFE

**Median Income Per Individual:** \$40,139

**Unemployment Percentage:** 6.4% (Denmark)