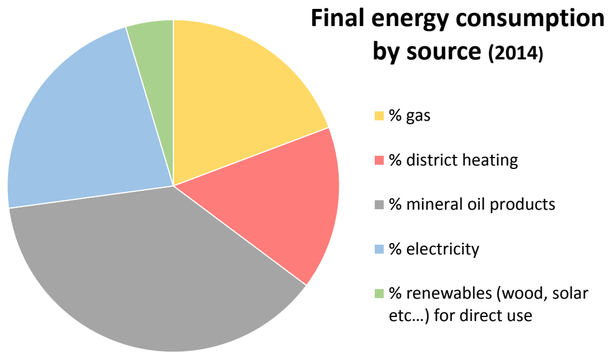
16-10-2017

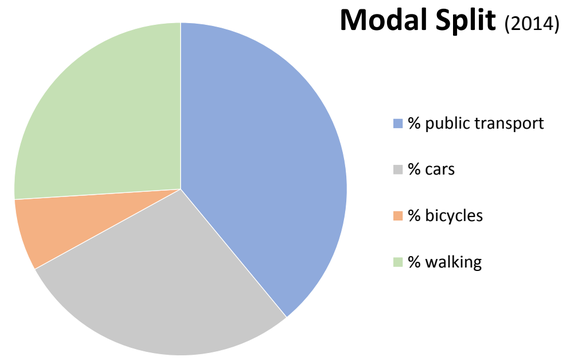
City Facts

General data		
Size (km2)	2016	**415**
% of green area	2016	**45,1**
% of water (incl recreational)	2014	**4,7**
Size (population)	2016	**1.797.337**
Density (Inh./km²)	2016	**4.331**
Density (houses/km2)	2011	**397,0**
Annual population growth (%)	2008 -2016	**0,95**
Purchasing Power (GDP/capita in EUR)	2013	**75.503**



Final energy consumption - total (2014): 36.793 GWh
Final energy consumption per capita (2014): 20.285 kWh/cap*a

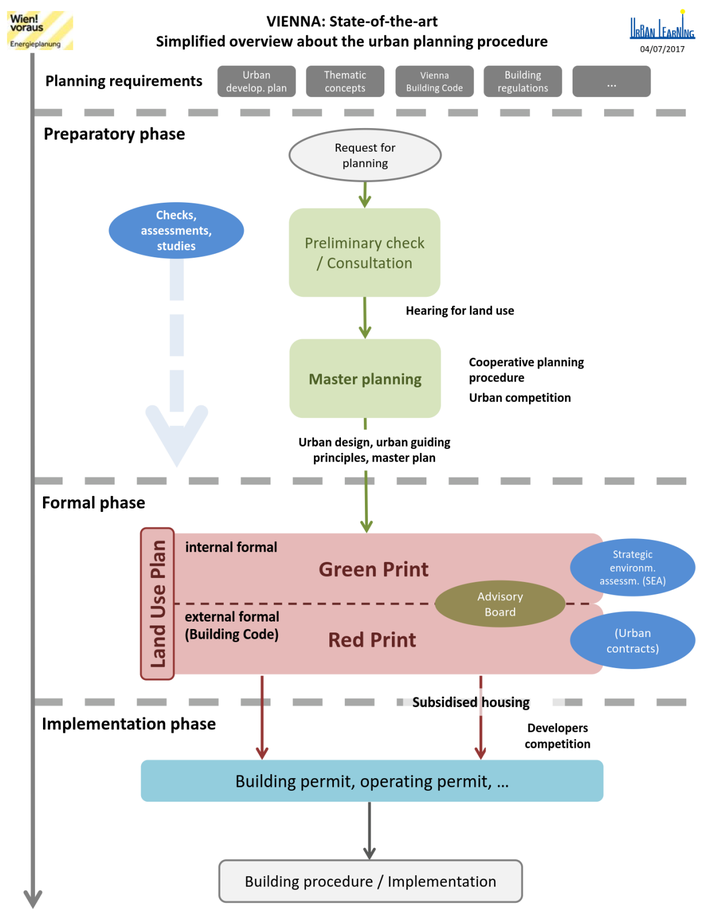
CO_2 emissions- total (2011): 9.000.000 t CO_2 eq
CO_2 emissions per capita (2013): 2,8 t CO_2 eq / cap*a



Cars per 100.000 inhabitants (2014): 382

Current governance processes

Vienna's urban planning process



Important issues towards integrating energy aspects into existing procedure

- Clear legal and political framework needed
- Energy issues should be integrated early in the planning process – highest potential of influence
- Cooperative planning procedures and tender have high potentials to integrate energy issues
- Coodination between different kind of energy supply still missing
- First successful pilots are done; on voluntary basis a lot of possibilities
- Need for appropriate instruments to include energy zoning; the land use plan should not be the only instrument
- Good energy data basis is needed and has a high relevance

Approaches towards integrative energy planning

Possible integration of energy in the planning process*

* the figure shows all recommendations and possibilities; there is no need to implement all of them; some elements are already partly implemented

Some recommendations for integrative energy planning

- Possible integration of energy and climate protection in the legal planning objectives
- Provide a concept for integrative energy planning as framework for districts and quarters
- Specify this concept at the level of districts and quarters
- Integrate energy issues in cooperative planning and urban competitions
- Find for a development area early a decision for the type of energy supply
- Define a strategy to steer grid infrastructure and future energy supply options
- Find an appropriate instrument for energy zoning
- Strenghtening cooperation by installing working and steering groups at different levels
- Provide sufficient energy related (GIS) data as basis for decisions, instruments and negotiations

This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 649883.