Vienna’s Smart City concept

Daniela Urschitz
Vienna City Administration
Executive Group for Construction and Technology
Challenges / Needs / Changes

Climate change
EU Low-carbon strategy

Lifestyle changes
Social challenges
Current and future demands on cities: why do we need smart cities?

- Which heating systems?
- Which effects has man-made climate change on us?
- How will we move in the city of tomorrow?
- Which action have cities to take as the focal points of global development and consumption of resources?

...and how will social solutions to those increasing target conflicts be found?
The City of Vienna in 2015

Population: 1.8 Million, Capital of Austria
Metropolitan Area with Bratislava: 2.7 Million
Increase in population: + 9.4% within the last 10 years, longterm perspective: 1.8 million to 2.2 million until 2050
Total area: 415 km²; > 50% green areas/open space
Nature Protection: 30% of the municipal area is conservation area
Smart City Vienna: From the stake holder process starting in 2011 to the Framework Strategy, adopted by the Vienna Municipal Council on the 25.th of June 2014
In 2011, Vienna started a participatory process involving numerous thematic workshops and interviews with experts, the main topics of the framework strategy were rendered concrete, leading to the formulation of objectives.

The SCW framework strategy is a long-term umbrella strategy that spans the period until 2050 and encompasses all areas of municipal administration and urban policy.

Combined with other existing and future documents, plans and programmes, it defines a productive and structuring thematic framework.

In addition to a vision, phased objectives, concrete strategies and exemplary activities, instruments and projects are to lay the ground for co-ordinated political action.

The SCW framework strategy was adopted by the Vienna City Council on 25 June 2014, thus becoming a legally binding document for the Cities activities.

In 2013, a Memorandum of Understanding was signed between Vienna and the Federal Republic of Austria to advance the smart city cause. The objective lies in initiating projects and to obtain funding at a European level.
Inclusion of stakeholders and citizens led to ...
... the special Vienna definition of ‘smart city’

Smart City Wien defines the development of a city that assigns priority to, and interlinks, the issues of energy, mobility, buildings and infrastructure, the social dimension being the basic link. In this, the following premises apply:

- radical resource preservation
- development and productive use of innovations/new technologies
- high and socially balanced quality of living

This is to safeguard the city’s ability to withstand future challenges in a comprehensive fashion.

The elementary trait of Smart City Wien lies in the holistic approach pursued, which comprises new mechanisms of action and co-ordination in politics and administration as well as a wide involvement of citizens.
THE SMART CITY VIENNA PRINCIPLE: “The best quality of life for all inhabitants of Vienna, while minimizing the consumption of resources. This will be realized through comprehensive technical and social innovation.”
The framework strategy is to act like a magnet, as a superordinate and thematic framework, encapsulated in plans, strategies, catalogues of targets and works.
Smart City Wien Agency

Since 2012 the Smart City Agency of the City of Vienna is located at TINA Vienna GmbH, a company of Wien Holding GmbH. It supports the efforts of the city to reach its Smart City goals and to ensure a successful transformation.

This includes a specific focus on research and technology policy in the city, as well as the active involvement of its residents, local industry, research and Viennese businesses in the Smart City Wien process.

The agency

• provides expertise,
• analyzes and coordinates,
• collects and informs,
• plans and implements.

Homepage: www.smartcity.wien.at
SMART SHOWCASE PROJECTS

- Research
- Health
- Infrastructure
- Environment
- ICT
- Buildings
- Economy
The Vienna Digital Agenda 2014-2015

• The Agenda is one of the sectoral strategies of the City

• It was developed in cooperation between the City Administration and a few hundred interested citizens, experts and administration in a 3 Stages participation process starting in 2014 (collecting ideas, discussion phase, internet platform, drafting…)

• Topics cover Data security, digital competences and literacy, services, infrastructure, strengthening Vienna as ICT-hub…

• Details: https://www.digitaleagenda.wien/
The Vienna EcoBusinessPlan

• The EcoBusiness Plan Vienna was launched in 1998 by the Municipal Department for Environmental Protection. The EcoBusiness Plan supports companies in the implementation of environmental measures and helps to reduce operating costs and enhance their competitiveness.

• To date, 1,113 enterprises have participated in the EcoBusinessPlan, implementing around 15,000 environmental projects and actions.

• Through appropriate environmental management practices, these enterprises have been able to generate substantial cost savings totalling about EUR 127.6 million.

• The success of the EcoBusinessPlan illustrates that the voluntary move to apply quality standards that exceed legal requirements creates significant environmental and financial benefits.

• The EcoBusinessPlan Vienna is one of the flagship of the Vienna Sustainability Coordination Office, it is among the Smart City projects of the city and is closely linked with similar initiatives around the world to promote the transfer of knowledge between urban and regional administrations.

• Details: https://www.wien.gv.at/english/environment/.../eco/
Inclusion of elderly people - Senior Pad

- Support for senior citizens concerning a self-determined life and social integration

- SeniorPad = Tablet PC with intuitive user interface and touchscreen → connection to aid organisations, social connection, newspaper, vital monitoring, entertainment and communication with relatives

- can be leased via social services

- Currently in a trial phase in two areas of the City

https://smartcity.wien.gv.at/site/en/projekte/gesundheit.../seniorpad/
Thank You!

„A developed city is not a place where the poor have cars. It’s where the rich use public transportation!“

Gustavo Petro, Mayor of Bogotá