



# Smart Cities in Munich - Integrating the European Approach

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# City of Munich

Presseamt/Nagy

## Facts:

- Area: 310,71 km<sup>2</sup>
- 25 districts
- 1.431.624 inhabitants (2012)
- 4,574 inhabitants per km<sup>2</sup>
- Planning region Munich: 2,654,726 people
- Munich Metropolitan Region: 5,303,738 people
- 2 Excellence Universities (LMU + TUM)





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## Cornerstones of Smart Urban Development in Munich

- Perspective Munich:  
Strategic Urban Development Plan



- Integrated action program for climate protection in Munich

- Alliance "Munich for Climate Protection"



- The European Approach:
  - Smart Cities and Communities
  - Innovation Roundtable

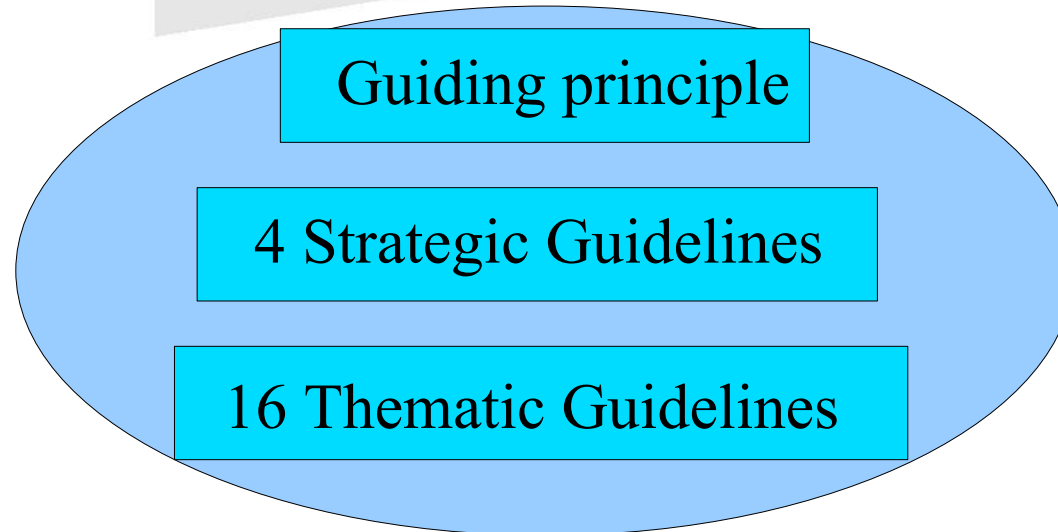




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## Smart Urban Development: Perspective Munich / Perspektive München

TARGETS



SPACE



Projects/Concepts





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## **Smart Urban Development: Integrated action program for climate protection in Munich**

The integrated action program for climate protection in Munich (German abr: IHKM):

- essential component of the climate protection policy
- bundles activities of the city government in the area of climate protection
- main tasks:
  - development and adaptation of climate protection programs
  - publication of a city-wide climate report



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## **Smart Urban Development: Integrated action program for climate protection in Munich**

- city council decision 2012: " Climate Protection Program 2013 "
  - contains measures for the period 2013 and 2014
- includes more than 60 individual measures in eight action fields
- investment volume: 59.17 million euros
  - majority of investments ( 47.2 million euros ) for measures "special program for energy-efficient buildings and heating system renovation"
- 10 new staff positions for a period of 3 years are funded by the Federal Ministry for Environment (BMU)
  - so called Environmental Protection Managers
  - coordination and implementation within and between city departments



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## **Objectives & Principles**

- Reducing 50% of local CO<sub>2</sub> emissions by the year 2030 (reference year 1990) => ten percent every five years.
- in accordance with the objectives of the Climate Alliance
- development and application of specific implementation strategies to achieve this objective

## **Members and Partners**

- many key players in business, science, politics and NGOs have joined the network Munich
- agreed to make an active contribution to reduce CO<sub>2</sub> emissions in Munich
- Relevant climate commitment beyond the minimum requirements of CO<sub>2</sub> creation (rough balance sheet)
- CO<sub>2</sub> reduction is honored with medals: Bronze, Silver and Gold.







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## The European Approach

The City of Munich divides the responsibility

- 1) Department of Labour and Economic Development –  
Unit European Affairs
- 2) Department of Urban Planning



## German Innovation Roundtable - Aims

- Strong representation of German cities and companies in the EIP SCC
- Invitation to other businesses and cities to participate
- Strong participation of Germany in the Horizon2020 SCC tender
- Support for the consortium building
- Demarcation / integration of similar applications internationalization
- Representative towards the Directorates General
- Strong support by the regional fund
- Dialogue with relevant state ministries



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## Project Calls

SCC 1 - 2014/2015 (07.05.2014 und 03.03.2015) Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects

Indicative budget:

- EUR 92.32 million from the 2014 budget
- EUR 108.18 million from the 2015 budget





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## Project Calls

SCC 1 – 2014/2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects

### Scope:

- To identify, develop and deploy replicable, balanced and integrated solutions in the energy, transport, and ICT actions through partnerships between municipalities and industries.
- These will be the lighthouse projects as identified by the Communication on Smart Cities and Communities.





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## Challenges

Each project should:

- Be realised in 2 – 3 cities or communities (light house cities or communities);
- include industry, city planning authorities which should also reflect the view of the consumer organisations, research community, local Small and Medium Size Companies (SMEs);
- In addition each project should co-involve 2 - 3 follower cities i.e. cities willing to contribute to the process though the replication of solutions at the end of the project
- Ensure that all proposed activities are a part of ambitious urban plan.
- Projects should demonstrate and validate attractive business plans that allow large scale replication.
- Consortia must have a clearly defined structure with roles and responsibilities properly spelled out for all involved entities.





# Thank you for your attention!

**Links:**

[Perspective Munich](#)

[Integrated action program for climate protection in Munich](#)

[Munich for climate protection](#)