

## The IHKM in action

The following examples demonstrate that the City of Munich not only plans and provides advice within the scope of the IHKM, but also takes concrete action to implement effective climate protection measures in Munich.

### Built on wood

The measure "Promotion of wood construction" set the stage for a greater utilization of wood construction



by building and strengthening networks, organising public events (see picture), conducting specialist visits and introducing the CO<sub>2</sub> bonus to Munich's Energy Conservation Incentive Programme (FES). These efforts are already bearing fruit: In Munich's Baierbrunner Straße, an entire school is being built as a wooden structure and further projects are being planned for the ecological model settlement at Prinz-Eugen barracks and in Freiham.

### Munich: efficiently bright

Each year, the City of Munich replaces 2,000 street lights to promote climate protection in the city. Within the scope of its "Conservation in street lighting" measure, energy-inefficient lights using high pressure sodium vapour lamps or fluorescent lamps are replaced by lights with more efficient ballasts and a better lighting and lamp technology. Approximately 50 per cent of the required energy can be saved this way – and a lot of CO<sub>2</sub> emissions, accordingly.

### Studying in a passive house

The new building of the Gymnasium Trudering (see picture) that was completed in 2013 was erected in certified passive construction and is one of the biggest projects of its kind in Germany. A higher insulation thickness, highly efficient heat recovery and



the fitting of triple-glazed windows result in a low energy consumption. In other features as well, the construction was implemented in a sustainable fashion: The electricity comes from the building's own photovoltaic system, the heat energy is generated from renewable forms of energy and the classrooms have been equipped with a highly efficient lighting system that is controlled by presence sensors according to the available daylight. These features perfect the sustainable appearance of the new school building.

### Companies see the light

To complement the well-established company programme ÖKOPROFIT, the City of Munich is launching an information initiative in cooperation with the Chamber of Commerce and Industry for Munich and Upper Bavaria to increase energy-efficiency. With the initiative "Licht an! Kosten runter!" ("Light on! Reduce costs!"), for example, companies learn by means of a web-based self assessment tool what effects specific measures in the context of electric lighting have. The initiative also offers information on implementation, controlling and funding opportunities in the field of electric lighting.

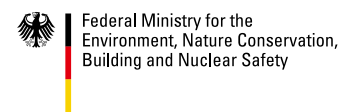
## Want to learn more?

Further information on the IHKM on [www.muenchen.de/ihkm](http://www.muenchen.de/ihkm):

- > The latest climate protection report of the City of Munich (in German)
- > The interactive climate protection city map. The map offers a quick and informative overview of places in Munich where specific climate protection projects are taking place or have already been implemented. (in German)

General information on climate protection in Munich on: [www.muenchen.de/klimaschutz](http://www.muenchen.de/klimaschutz).

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*Climate Protection in Munich:  
The Integrated Action  
Programme for Climate  
Protection in Munich  
(IHKM)*

Dear readers,



the City of Munich has set itself the ambitious objective of reducing its CO<sub>2</sub> emissions by 50 per cent by not later than 2030 in comparison to the base year 1990. As early as in 1999, the City of Munich began engaging in active climate protection by means of numerous programmes and initiatives. The efforts are based on four building blocks:

numerous programmes and initiatives. The efforts are based on four building blocks:

- > The Ecology Guideline – Climate Change and Climate Protection of PERSPEKTIVE MÜNCHEN. It sets out the strategic objective.
- > Within the scope of the Integrated Action Programme for Climate Protection in Munich (Integriertes Handlungsprogramm Klimaschutz in München – IHKM), the many activities of the city administration are pooled and developed further.
- > The local alliance Munich for Climate Protection serves as a platform for the relevant players from politics and the city administration, from the economy and science as well as from institutions and associations.
- > Public relations work and cooperation on a regional, national and an international, primarily European, level.

The efforts that have been undertaken so far are bearing fruit: By 2012, the CO<sub>2</sub> emissions had already been reduced by more than three tonnes to considerably less than eight tonnes of CO<sub>2</sub> per capita per year in comparison to 1990.

Despite this, we must continue to devote our maximum efforts to this aim. We would like to use this leaflet to demonstrate what the city administration is doing to reach the municipal climate protection objectives.

Hoping you will enjoy reading this leaflet,

Joachim Lorenz  
Head of the Department of Environment and Health

## What is the Integrated Action Programme for Climate Protection in Munich (IHKM)?

**Launch:** In 2008, the City Council passed the Integrated Action Programme for Climate Protection in Munich. The first climate protection programme was approved in 2010.

**Role model function for the city:** The IHKM primarily initiates measures that the city administration can directly influence.

**Joining of forces:** The IHKM is organized in a cross-departmental fashion so that synergies can be used. New measures and initiatives are developed in an interdisciplinary fashion.

**Relevance and dynamics:** In autumn 2014, the third climate protection programme is to be passed by the City Council. Regular updating makes it possible to react to new developments.

**Topical diversity:** The measures within the IHKM range from environment-friendly traffic planning and lighting concepts to housing construction and changing the behaviour of individuals.

## Climate Protection Managers

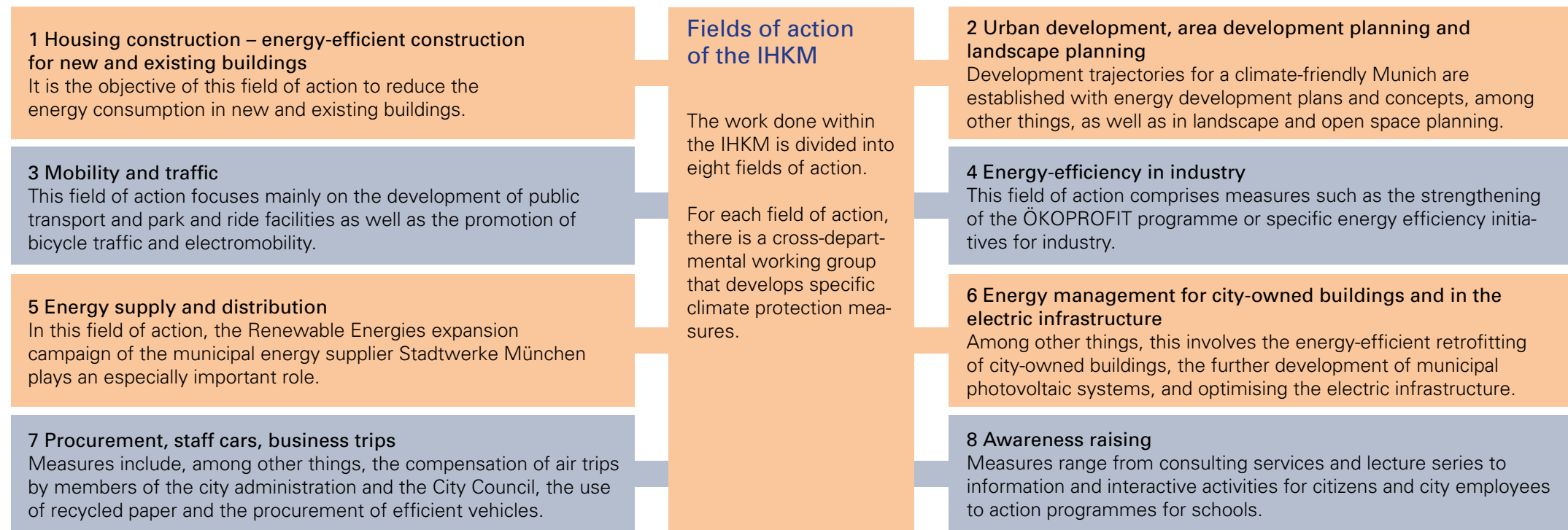
A total of eleven climate protection managers have been promoting climate protection in Munich since 2013.

Supported by the Federal Ministry for the Environment within the scope of the National Climate Initiative, the climate protection activities undertaken within the city structures are coordinated and controlled by the climate protection managers in an even more focused way. Furthermore they develop innovative climate protection measures and network with associations, institutions and companies.

The internal duties of the climate protection managers range from sustainable procurement and urban development to responsibilities in the fields of mobility and building construction to the involvement of schools, companies and the entire city population by means of targeted public relations initiatives.

## Figures and facts

- 84,800,000 Euros of overall investment in the IHKM since 2010
- 591,000 tons of CO<sub>2</sub> are saved per year due to the measures of the climate protection programme 2013 alone.<sup>1</sup> This amounts to almost double the amount of the CO<sub>2</sub> absorbed by the trees in the Bavarian Forest National Park per year.
- 81 measures implemented as part of the IHKM to date
- 12 departments – i. e. all departments of the City of Munich – participate in the IHKM
- 11 climate protection managers promote the climate protection process in Munich
- 8 fields of action covered by the IHKM
- 1 objective: climate protection in Munich!



<sup>1</sup>) Calculated yearly savings after the measures have been fully implemented