

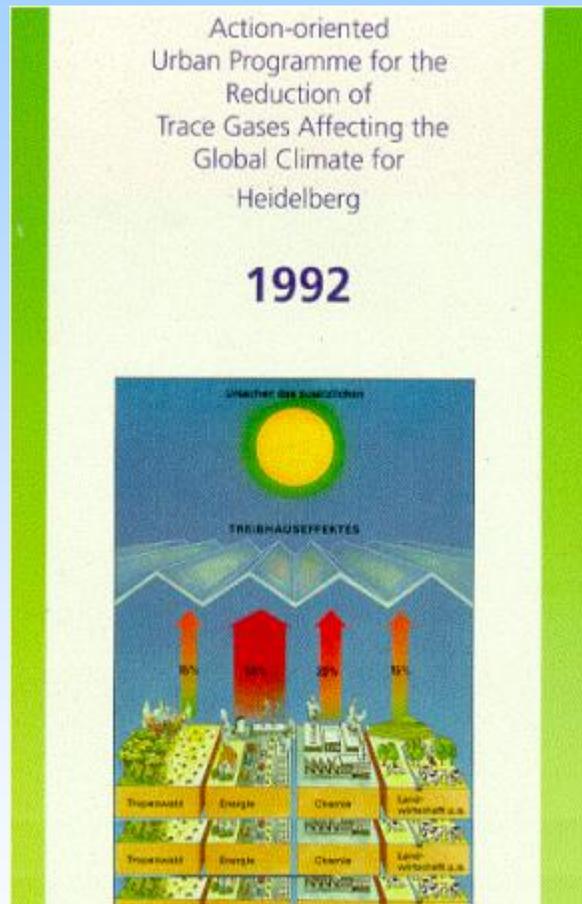


# Energy Conservation- The Role of Local Governments

## Best Practices and Experiences

Dr. Hans-Wolf Zirkwitz  
City of Heidelberg, Germany  
[www.heidelberg.de](http://www.heidelberg.de)

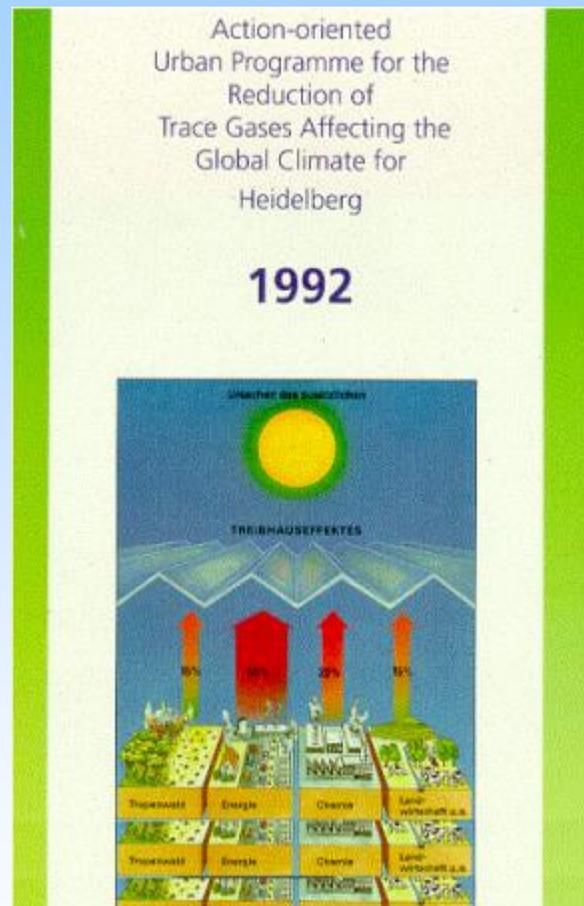
# SUMMARY



- GENERAL INFORMATIONS
- MUNICIPALITY AS A MODEL
- MUNICIPALITY AS A MOTIVATOR
- LOCAL NETWORK
- INTERNATIONAL NETWORK
- CONCLUSIONS



# SUMMARY



➤ GENERAL INFORMATIONS

➤ **MUNICIPALITY AS A MODEL**

➤ MUNICIPALITY AS A MOTIVATOR

➤ LOCAL NETWORK

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➤ CONCLUSIONS

# Administration of the City of Heidelberg



Department I

Mayor

Dr. Eckart Würzner



Department II  
Building,  
Construction  
Sport

First Deputy Mayor  
Prof. Dr. von der  
Malsburg



Department III  
Social Welfare  
Education  
and Culture

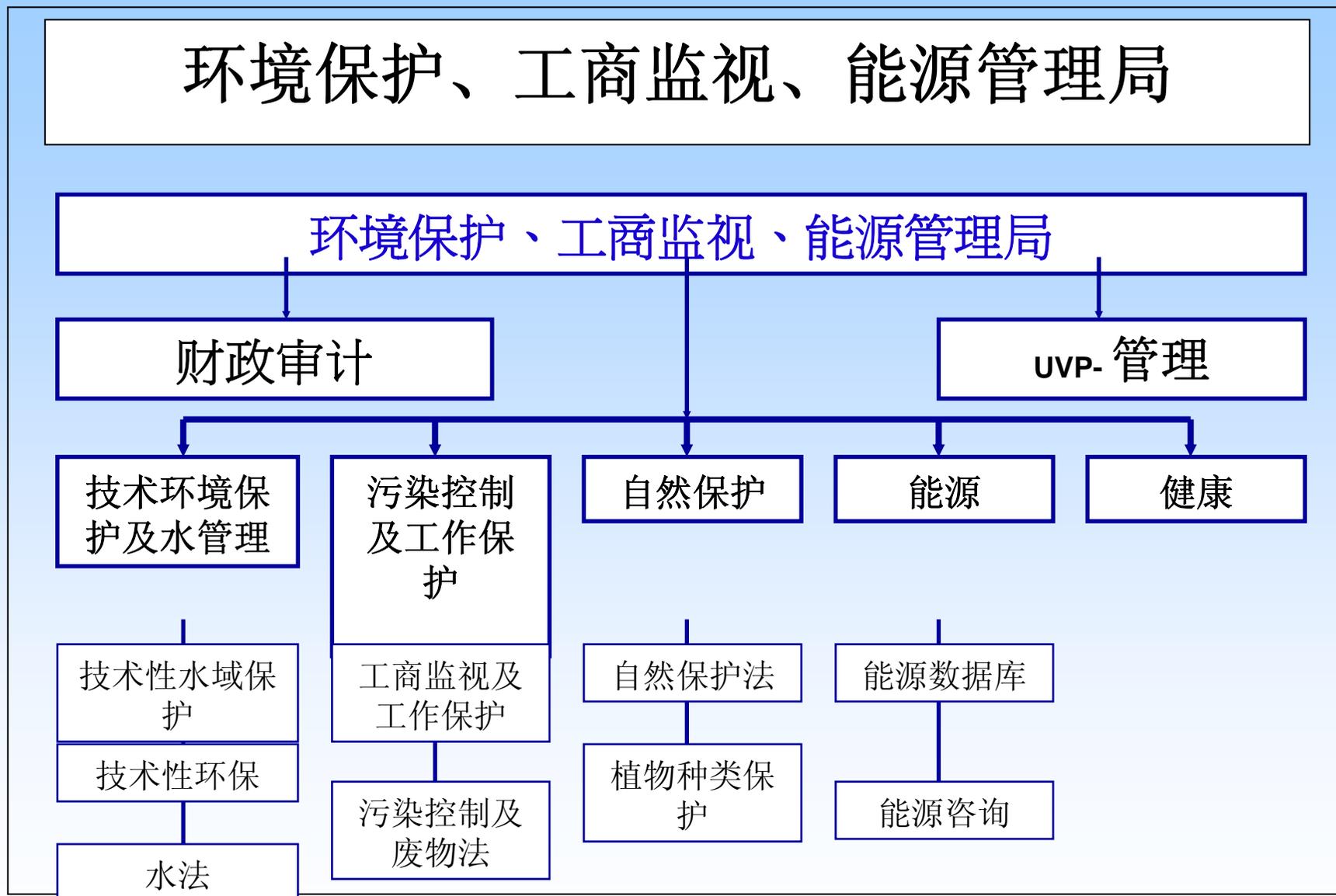
Deputy Mayor  
Dr. Joachim Gerner

Department IV

Environment  
and Energy

01 Mayor's Office	16 Office of Women's Issues Women's Representative	- 19 <b>Office for Municipal Buildings</b>	40 Education Administration Office	31 <b>Office of Environmental Protection, Trade Supervision and Energy</b>
02 Directorate for Administration, Economic Development and Employ- ment	20 Treasurer's Office	23 <b>Property Office</b>	41 Cultural Affairs	37 Fire Brigade
03 Ombudsman	21 Tax Collection and Cashier's Office	52 Office of Sports Facilities and Swimming Pools	42 Palatinate Museum	67 Landscape Architects
11 Personnel and Organization Office	30 Legal Office	60	43 Philharmonic Orchestra	70 Office of Waste
12 Office of City Development and Statistics	32 Office of Public Order	61 <b>City Planning Office</b>	44 Theatre	
13 Public Relations Office	34 Registry Office	62 Surveyor's Office	45 Public Library	
14 Internal Audit Office	47 City Archives	63 <b>Office of Building Control</b>	46 Municipal School of Music and Singing	
15 Decentralized Administration Offices		65 <b>Structural Engineering</b>	48 Heidelberg Cultural Services	
		66 Civil Engineering (roads, bridges, sewerage)	50 Office of Social Welfare and Senior Citizens	
			51 Children and Youth Office	
			55 Adjustment Office (war and post-war)	

# 环境保护、工商监视、能源管理局

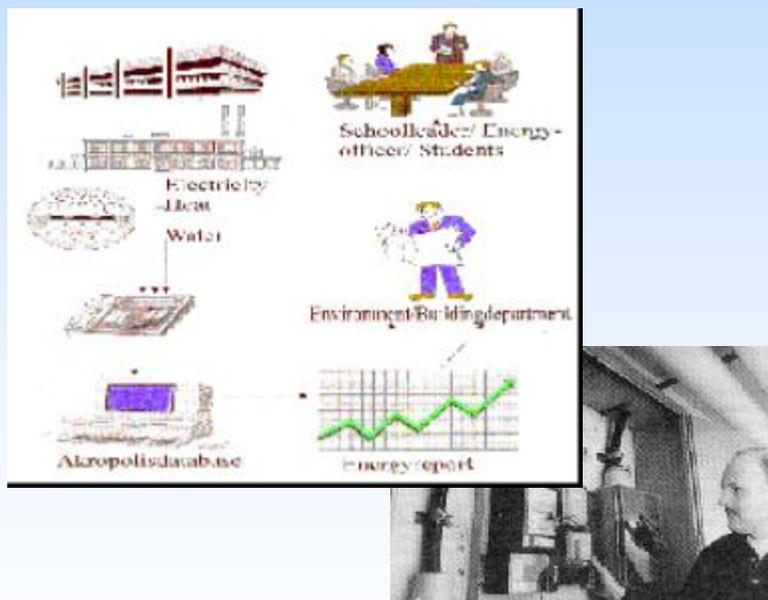
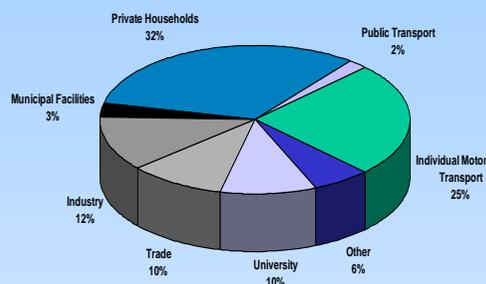


# City Development Plan Heidelberg 2010



- ❖ **Participation**
  - Advisory council
  - Involving 360 public amendments were involved in the decision-making process
- ❖ **Priorities**
  - Social responsibility
  - Environmental compatibility
  - Economic achievement
  - Connected to Charta of Alborg
  - „Heidelberg Agenda 21“

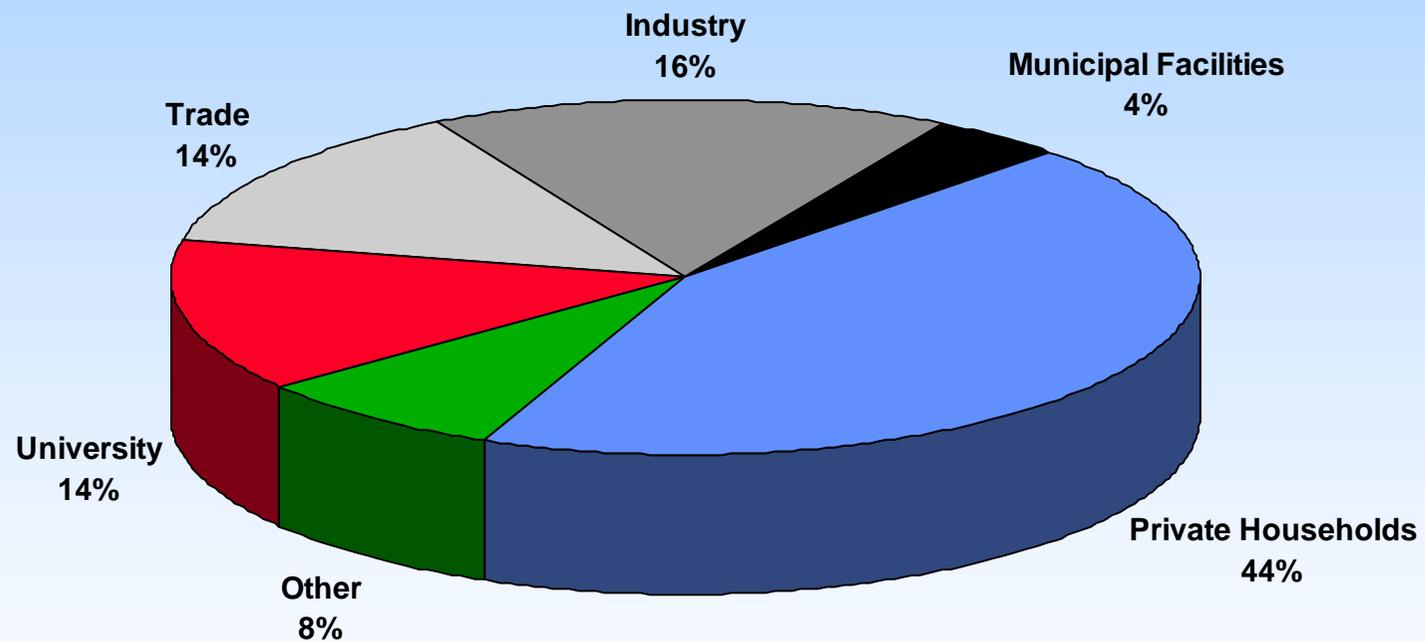
# Climate Protection Strategy



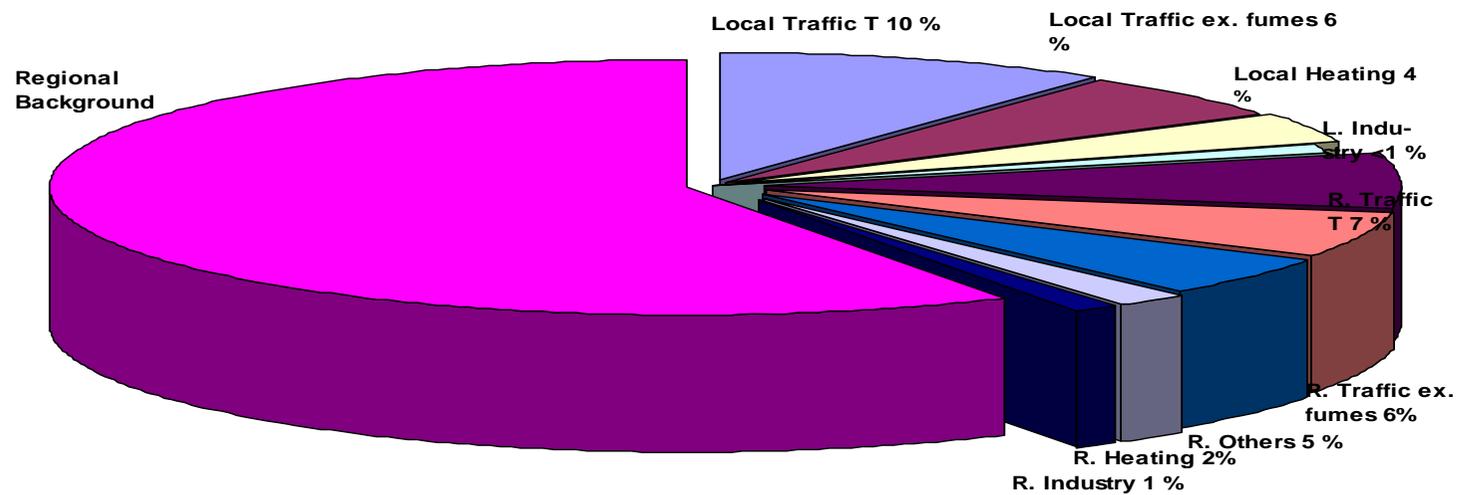
- LOCAL ACTION PLAN for the reduction of CO<sub>2</sub> emissions 1992/2004
- Political Target: Reduction of CO<sub>2</sub> about 20% from 1987 until 2015
- Integration of all local actors
- CO<sub>2</sub>-Balance
- Sectoral catalogue of 200 measures
- Municipality as a Model, Motivator, Coordinator and Promotor

# CO<sub>2</sub>-Emissions Heidelberg 1987

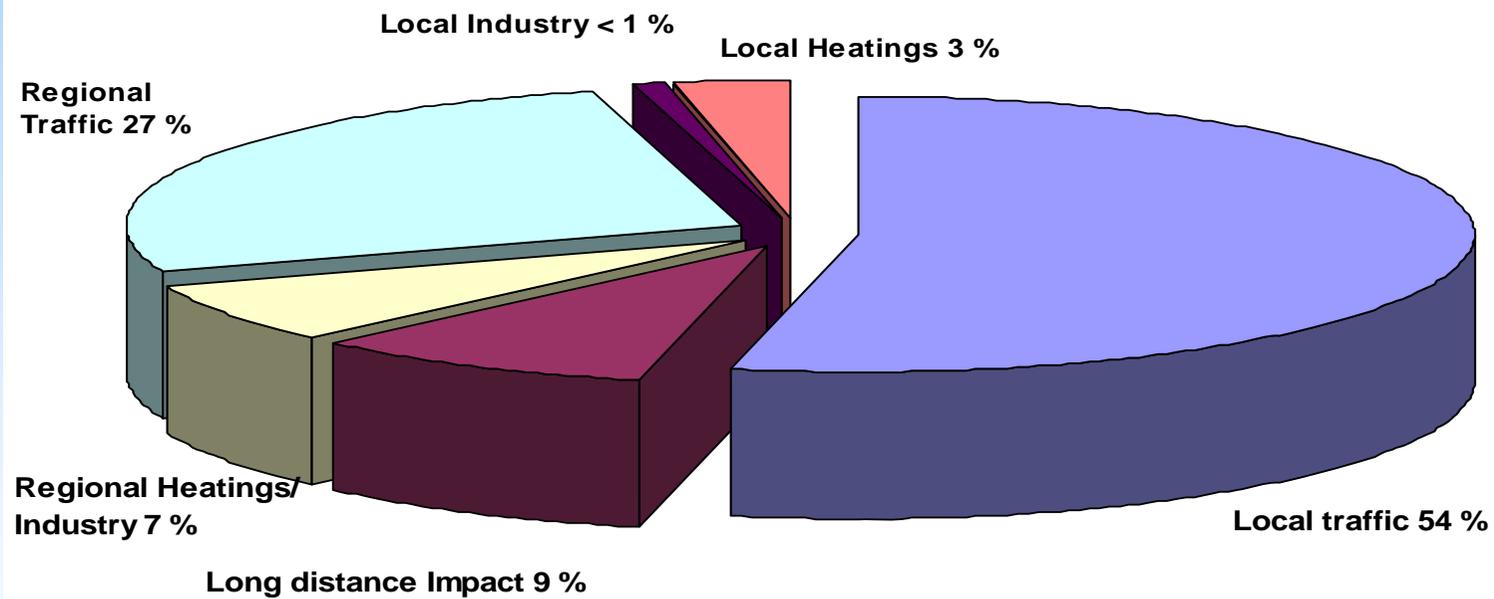
## 860.000 t/a



# PM<sub>10</sub> – Impact and Sources



# NO<sub>2</sub> - Impact and Sources



# Climate Protection Management



- **Energy Management/ Controlling of public buildings**

Analysis and Measures for energy and cost savings

- **Buying Green electricity**

100% of all kindergartens and schools

- **Environmental Education in schools**

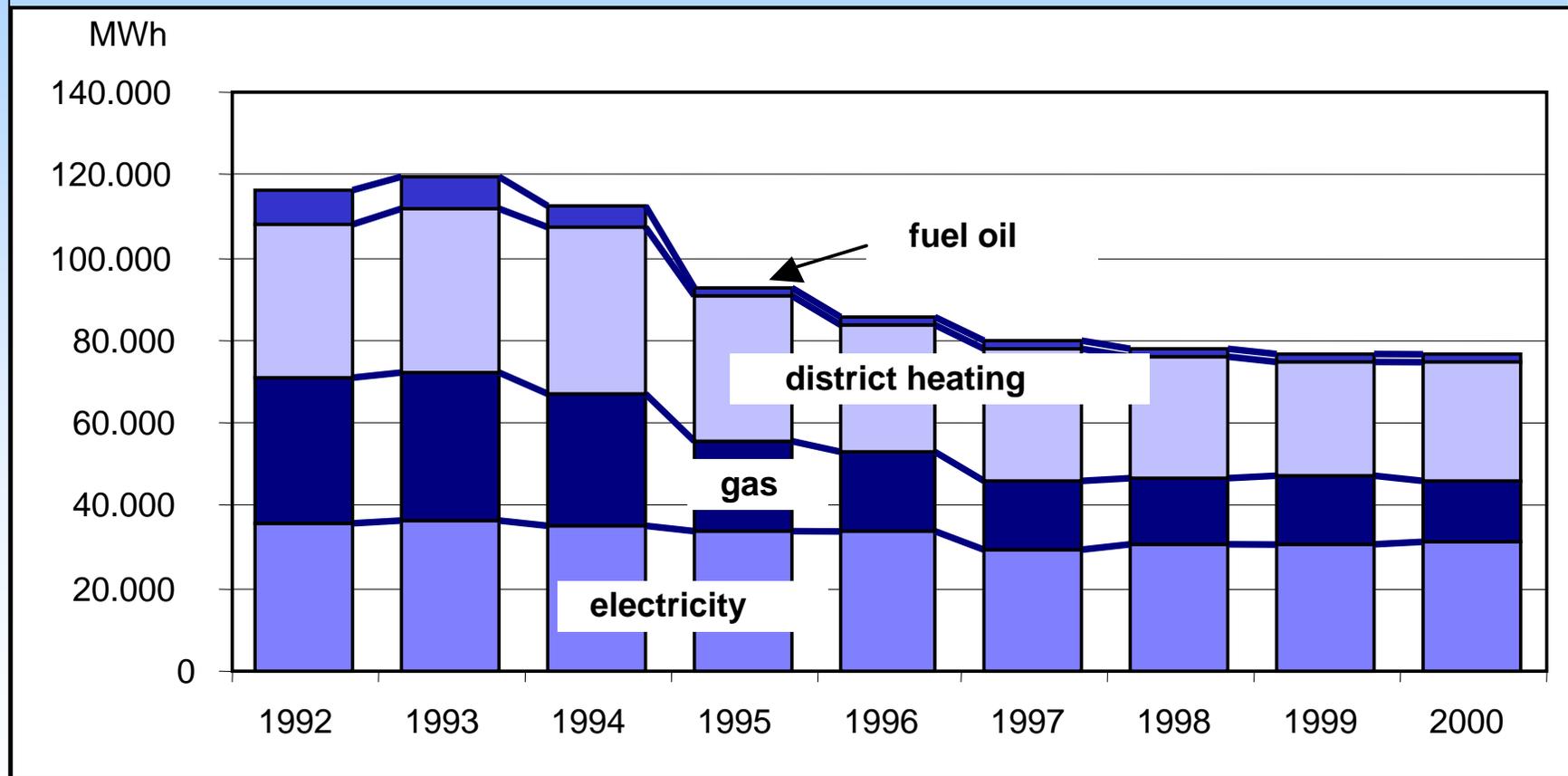
E-Teams and Environmental Management

- **Energy-optimised urban planning**

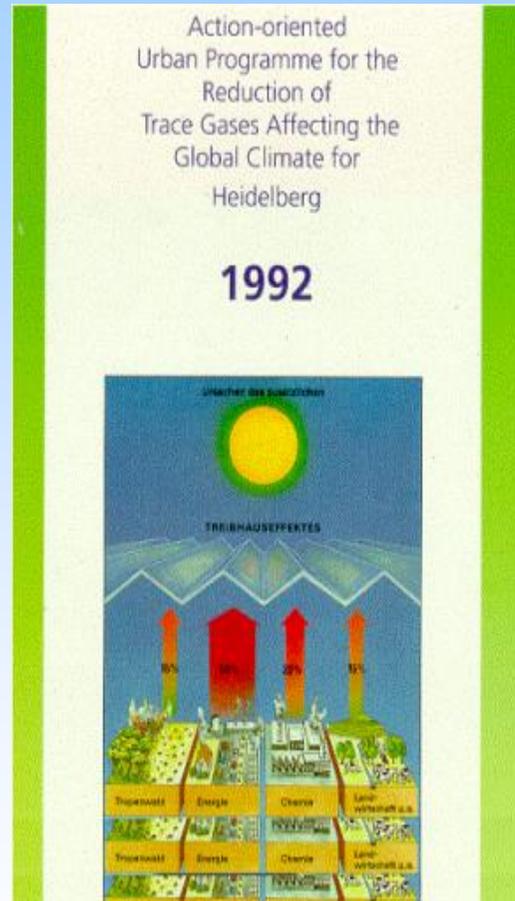
- **Best Practice Projects**

Energy saving projects and renewables

# Result: Energy Consumption of Municipal Facilities



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➤ MUNICIPALITY AS A MODEL

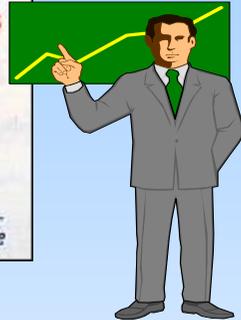
➤ **MUNICIPALITY AS A MOTIVATOR**

➤ LOCAL NETWORK

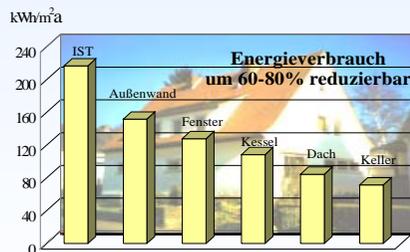
➤ INTERNATIONAL NETWORK

➤ CONCLUSIONS

# Advisory and Incentive

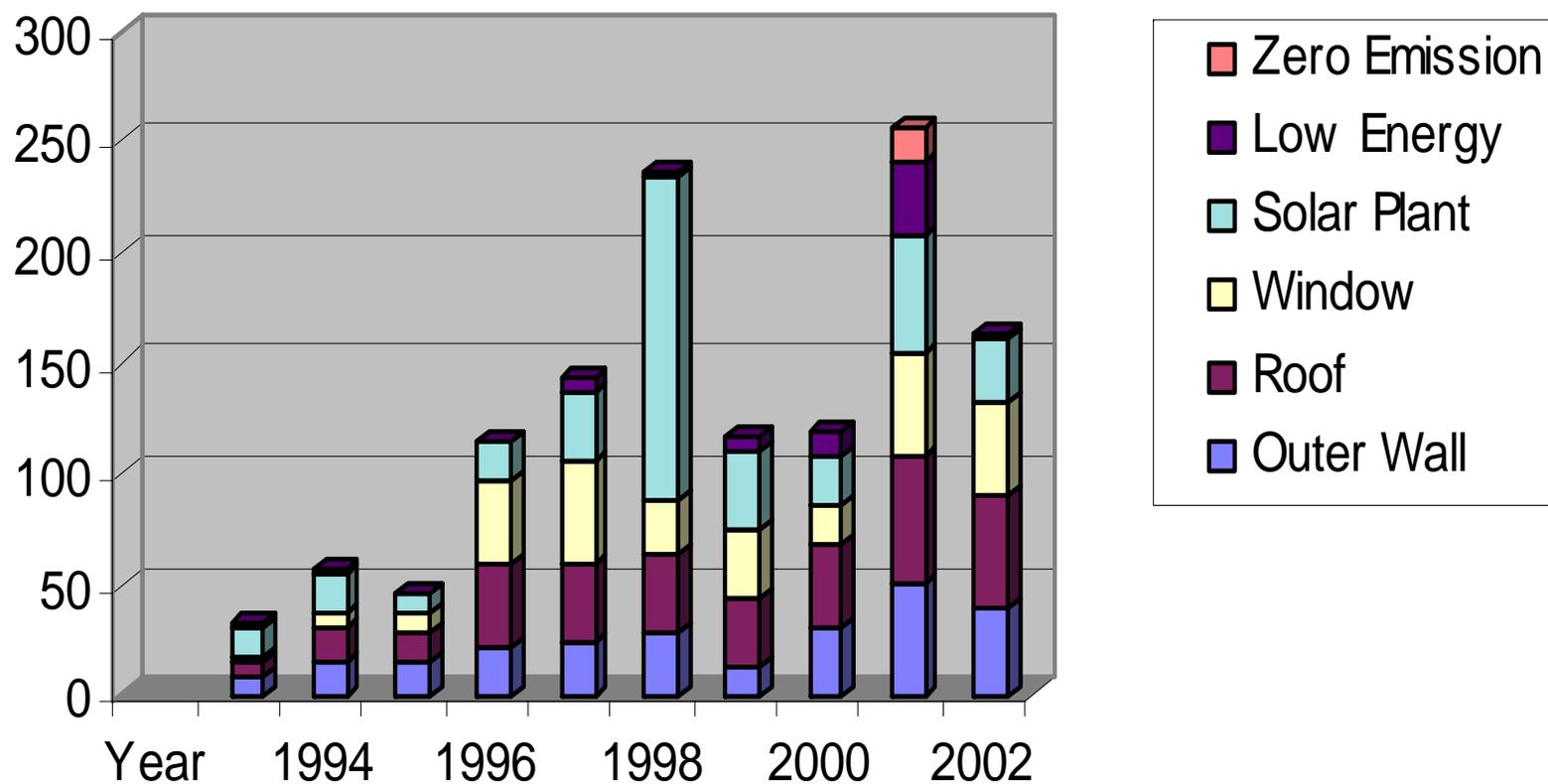


Ausgezeichneter Betrieb im Rahmen  
des Projektes der Stadt Heidelberg

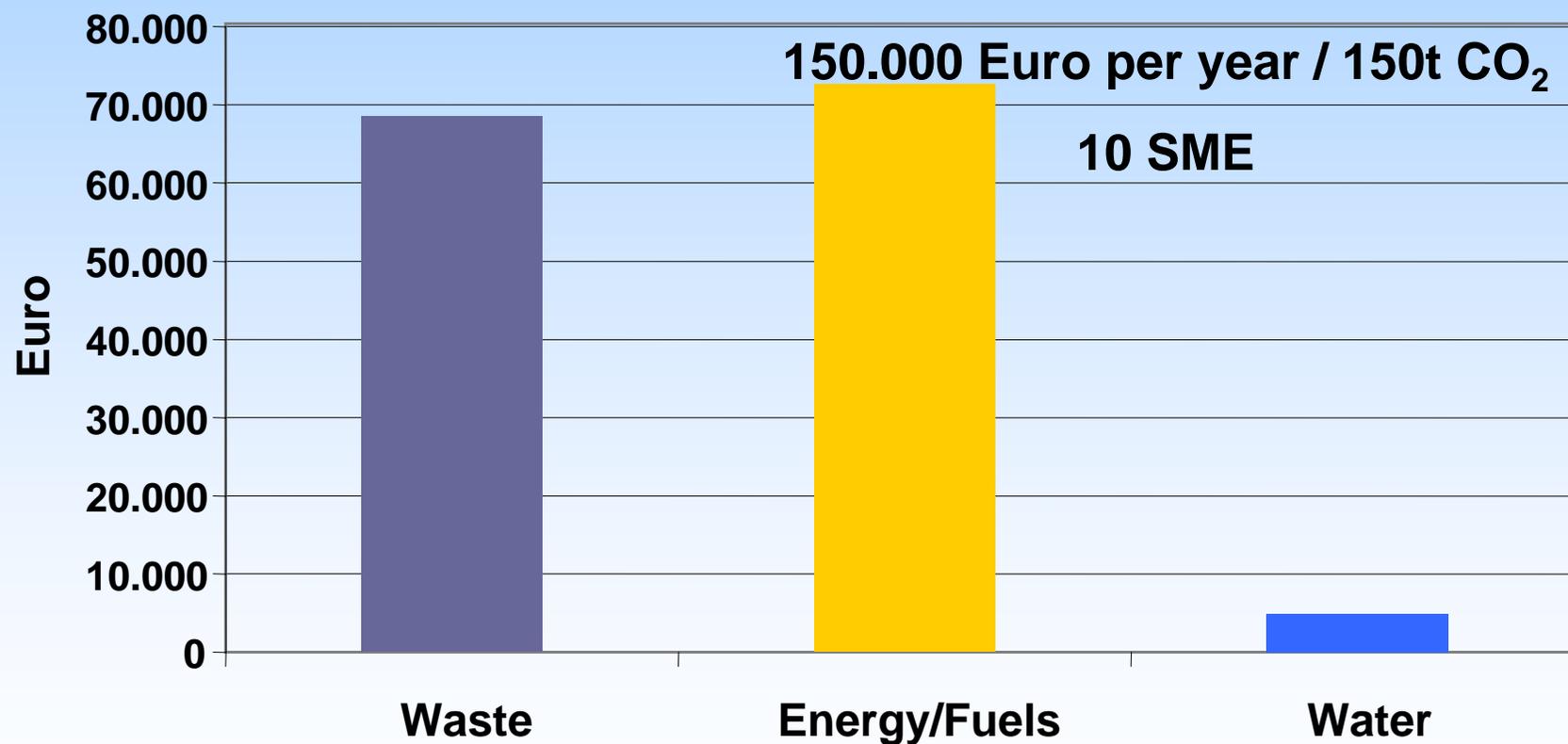


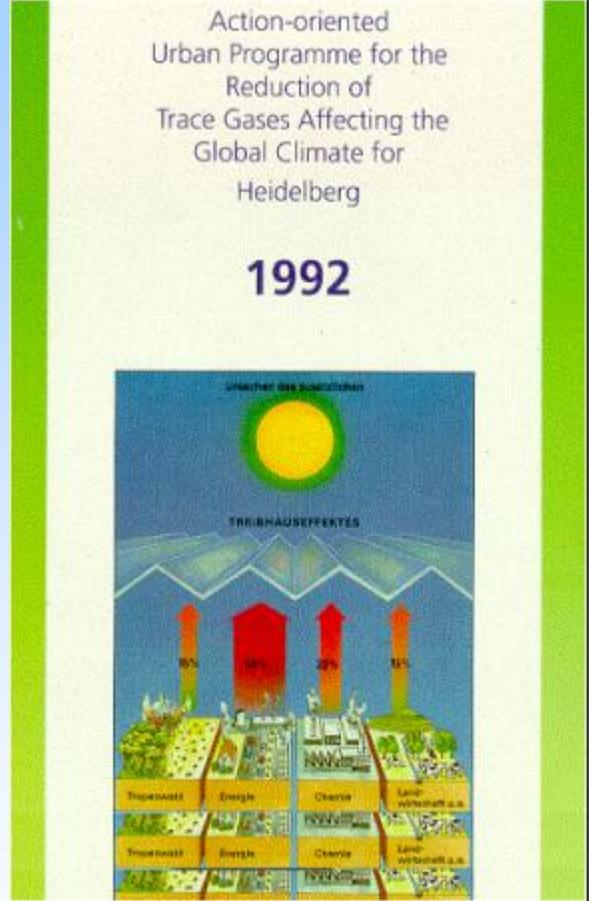
- PR-Campaign  
Newspapers, Energy fares,  
Cooperate identity
- Energy-Advisors since 1993
- Regional Energy Agency  
14 Municipalities
- Energy Efficiency Incentive Programme
- Sustainable Economy  
Incentive and Cooperation Programms  
for SME  
Win-Win-Solution  
Combining Economy and Ecology

# Promotion Programme for Private Households



# Sustainable Management for SME Realized Cost Savings





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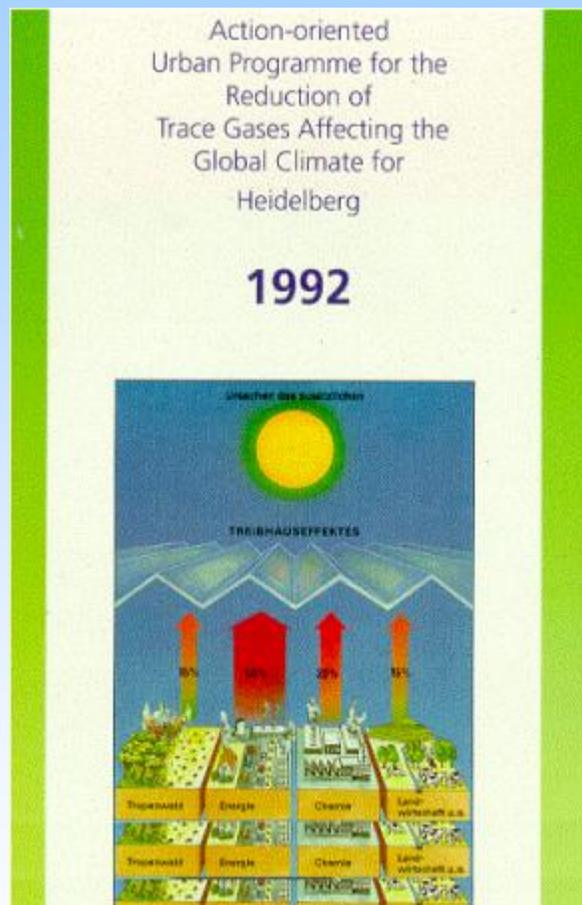
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# Participation and Networking



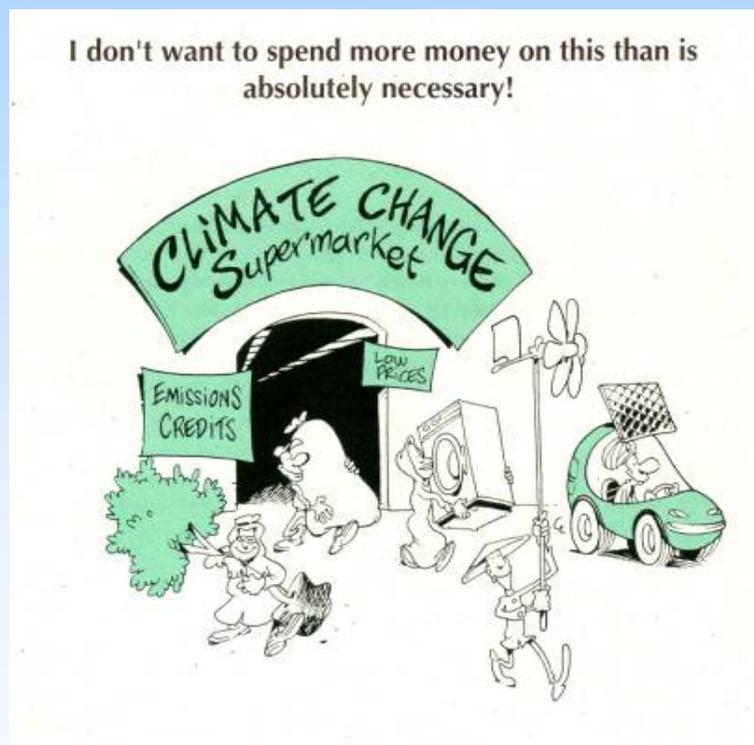
- CO<sub>2</sub> study 1992/2004 in cooperation with main actors
- Round Table Energy since 1997, funding of the regional energy advice agency
- Round Table Solar Energy 1998: new cooperation projects („TREND Solar“, „100 solar roofs for Heidelberg“)
- Round Table „Sustainable Economy“ : Project for SME
- Round Table Nature Preservation

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# Benefits from City to City Twinning



- Think global – Act local
- Multi-cultural exchange
- Sharing expertise
- Gaining problem solving experience
- Professional growth of the participants
- Including the private sector to develop a chance for the economic opportunities in our cities

# Heidelberg-Conference 1994/2001

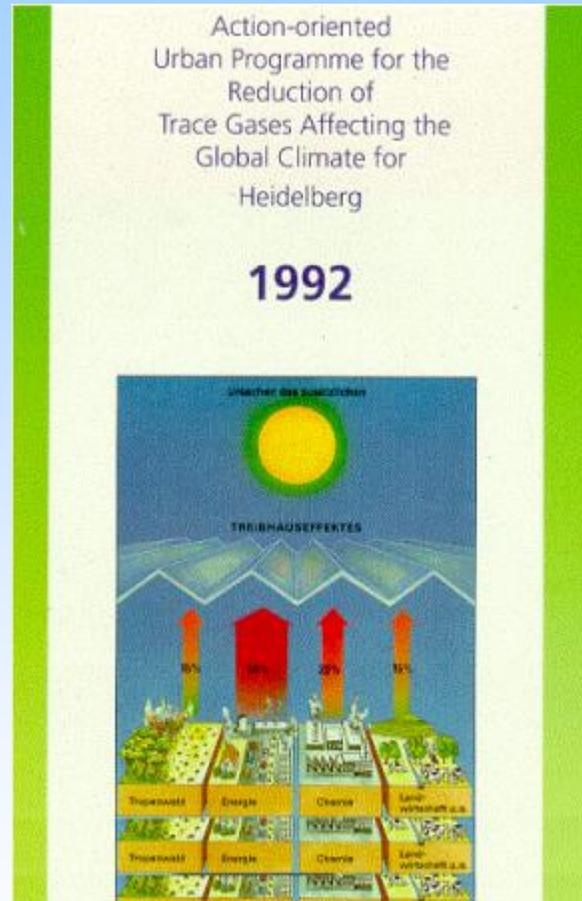
## City to City Twinning for Climate Protection

Already now, more people flee from environmental disasters than from war



- Develop a framework and targets for a pro-active, long-term partnership
- Exchange technical information and assistance on reducing GHG-emissions
- Building up structures and creating cooperation projects and measures to derive maximum benefit

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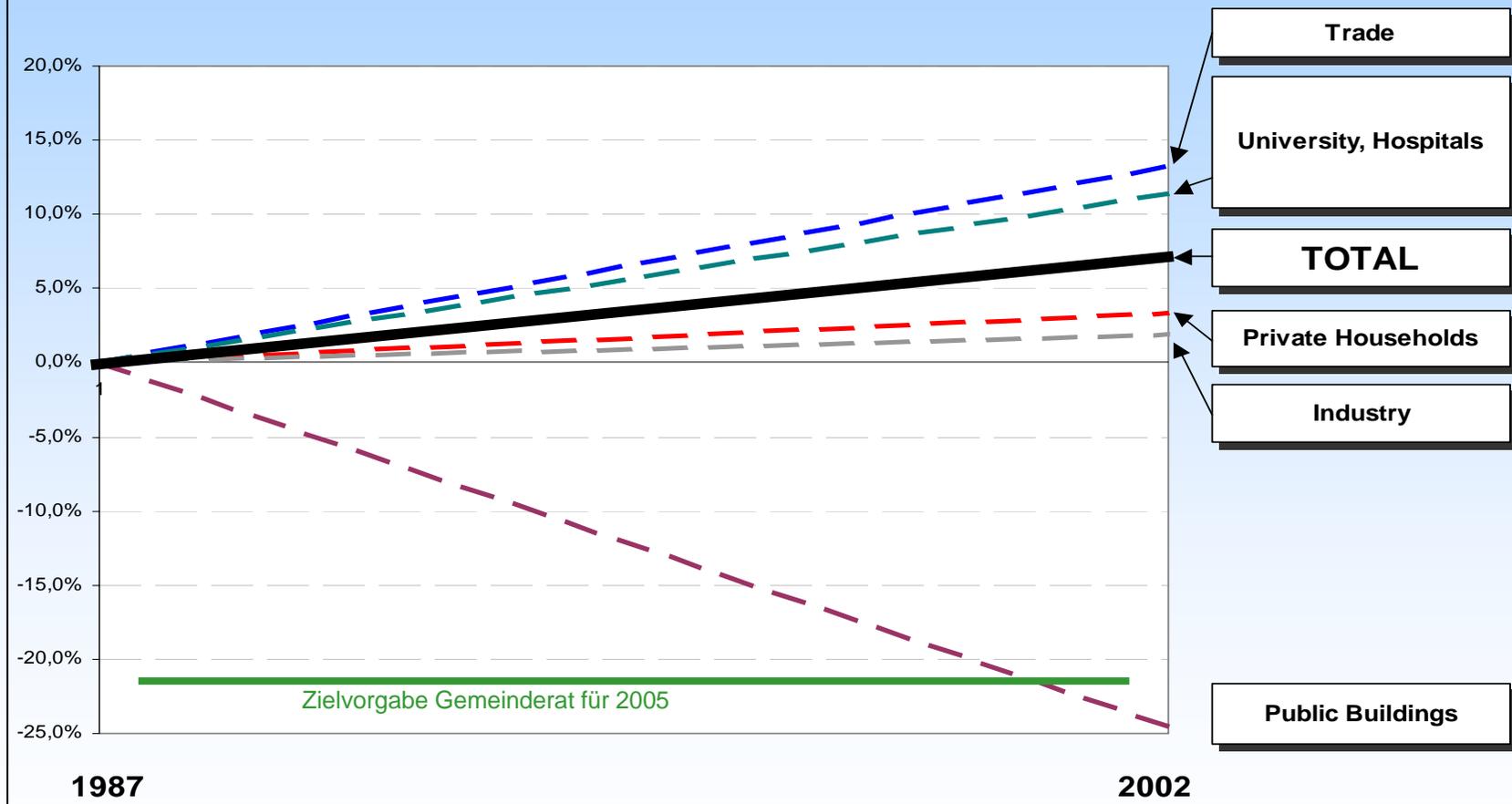
# Energy Conservation - Work Schedule

- Develop Strategy, Targets and Measures
- Use all local experts and actors to assist in the process
- Start at your area of responsibility and demonstrate success
- Combine environmental improvement with the triple bottom line

(P<sup>3</sup>) challenges:

- People: Poverty alleviation, job creation, skills transfer, improvement of quality of life
- Planet: Demonstrable improvement in environmental quality
- Profit: Ensuring a financial return on investment

# CO<sub>2</sub>-Emissions in Heidelberg Sectoral Development



# Looking for new Partners



*Thank you for your attention*