



# Sustainable City Graz Austria

Local agenda 21

## Capital of the Austrian province Styria

Inhabitants: 250 000

Area: 128 km<sup>2</sup>

Average height: 368 m

Climate: temperate zone

Location: in a basin

University City, UNESCO World Heritage  
and European Cultural Capital 2003  
Graz is the economic, scientific and  
cultural centre for Austria's south-east.



# What does it mean to be a Sustainable City?

## ECOLOGICAL DEVELOPMENT

- ↗ Integrated Solutions
- ↗ Eco-efficiency

## CULTURAL AND SOCIAL BENEFITS

- ↗ Creating new jobs
- ↗ Social facilities
- ↗ Enforcement versus empowerment
- ↗ Working together as partners

## ECONOMIC DEVELOPMENT

- ↗ Development of companies
- ↗ Municipal budget
- ↗ Investment
- ↗ Guidelines
- ↗ New markets



# 1989: Smog Winter in Graz

## Graz – Landmarks of a sustainable City

1989 Start of Programs and Projects (Ökostadt, Ökoprofit, ...)

1991 Processing of contents

1992 Rio conference

1993 9 Action Plans and „Greenpeace Certificate“

1994 Summary Political discussion and Aalborg Charter

1995 Vote in Municipal Council **ÖS2000-LA 21**

1996 Implementation LA21 „Eco-Team“ of Graz  
**“Sustainable City Award“**

2000 First **Evaluation LA21**; EXPO Hannover

2001 **Bremen Partnership Award**

2003 **Climate Star; Dubai Award**

## INFORMATION &amp; MARKETING

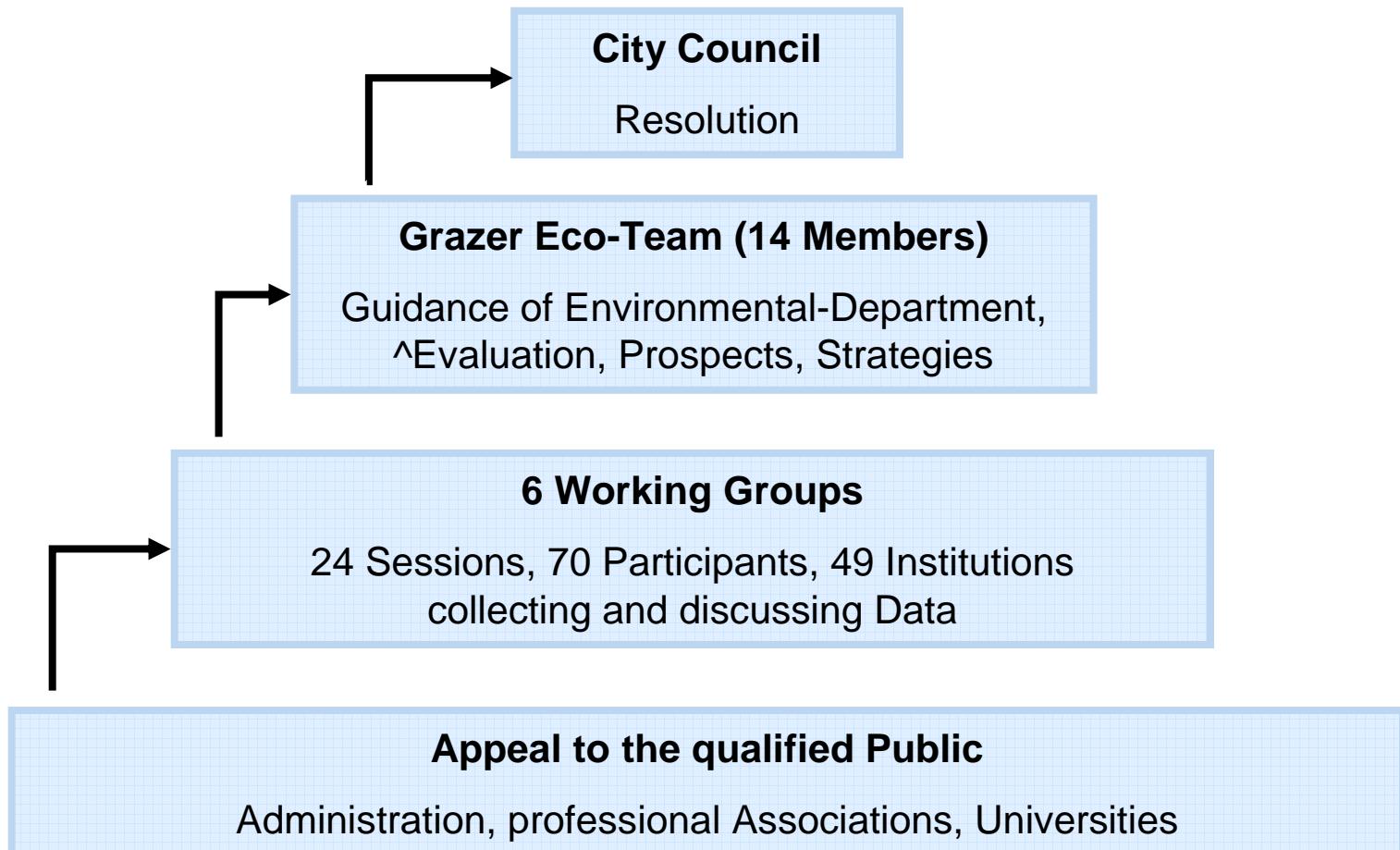
Factor	Sustainability parameter	Goal (by 2000)	Factor	Sustainability parameter	Goal (by 2000)
Air	Emissions of SO <sub>2</sub> , CO and particles	-30%	Waste	Overall local waste	-13%
	Emissions of NO <sub>x</sub> , VOC	-60%		Local residual waste	-30%
Noise	Streets > 65 dB(A)	-10%		Trade/Industry (non reusable waste, use of raw and auxiliary materials)	-30%
Energy and Climate	Extent of CO <sub>2</sub> -emissions	-20%		Hazardous waste	-50%
	Electricity consumption	-7%	Water	Amount of drinking water	-5%
	Proportion of renewable energy sources	25%		Water quality of streams	I-II
Traffic	Modal split	41% MIT	Soil	Built-up surface	Balance
	Traffic performance, motor vehicles	-2%	Nature- and Green areas	Additional protected areas	+50 ha
	Kilometers of buses and trams	+10%		Additional nature reserves	+30 ha
	Car registrations	Balance		Additional natural sites	+7



## 9 Action Plans

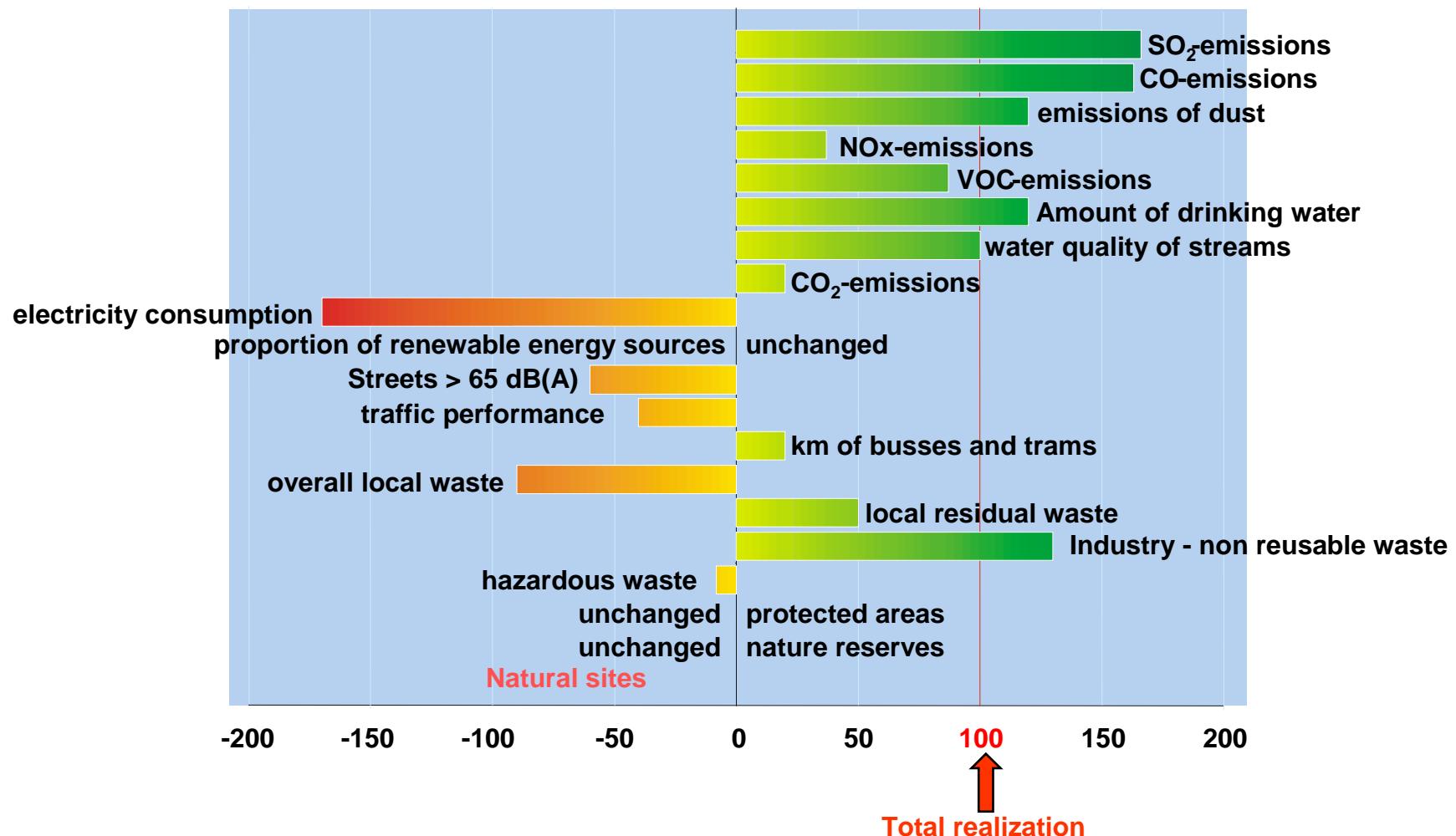
- ↗ **Environmental protection in private households**
- ↗ **Environmental protection in public institutions**
- ↗ **Environmental protection in companies**
- ↗ **Ecological agriculture**
- ↗ **Water and expanses of water, development of nature and green areas**
- ↗ **Abandoned polluted areas**
- ↗ **Traffic and environment**
- ↗ **Noise reduction and avoidance**
- ↗ **Protection of the earth's atmosphere**

# Ökostadt Graz Evaluation



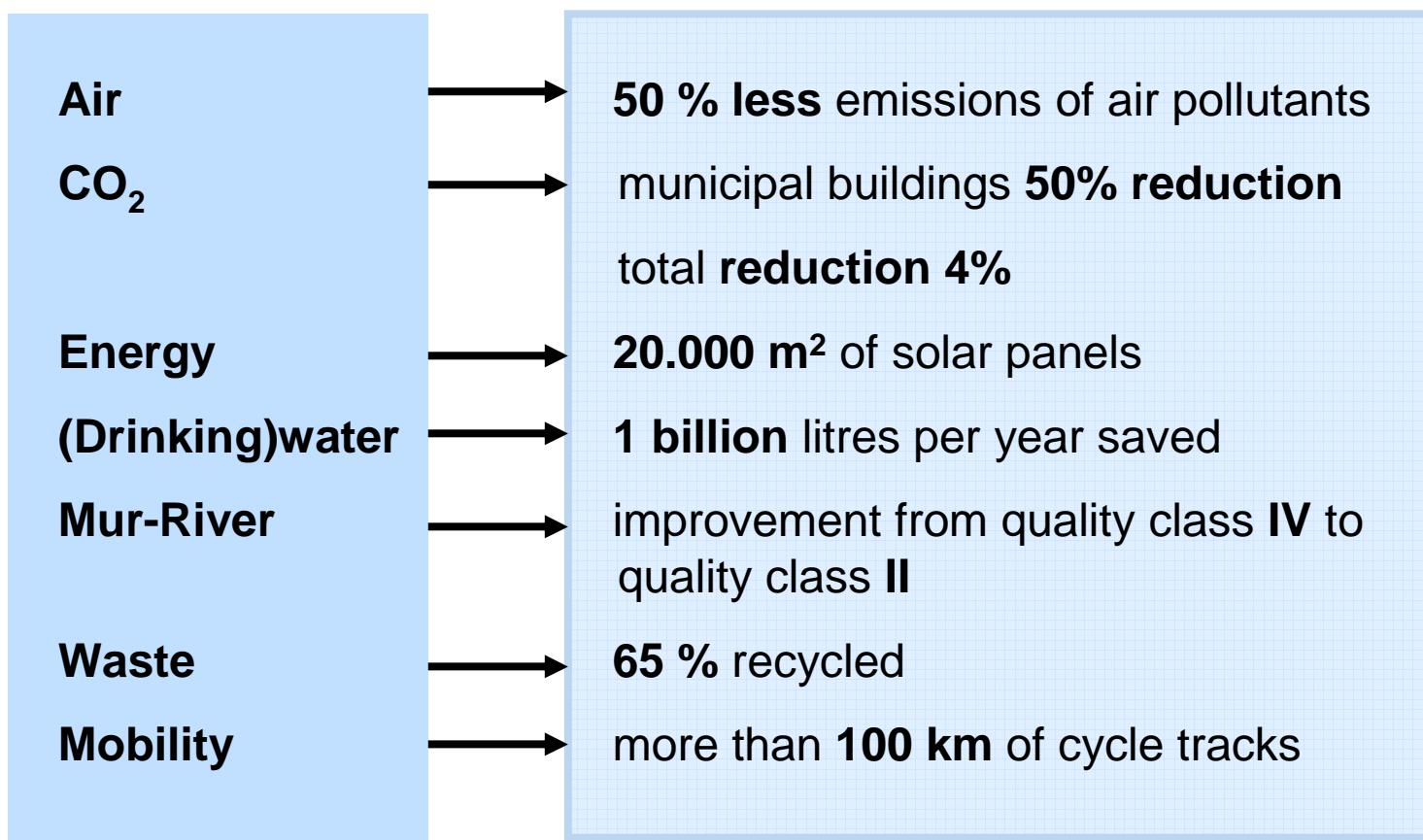
## Realisation of sustainability parameters in %

(total realisation = 100%)



## Highlights of a „Sustainable City“

Ökostadt Graz - Local Agenda 21





## Participation of the public

- ↗ BIG Direct Mailing to all households
- ↗ District assemblies
- ↗ Evaluation of Local Agenda 21
- ↗ Citizens questionnaires in Graz
- ↗ School-Projects
- ↗ ÖKOPROFIT Club
- ↗ Regular environmental meetings with NGOs
- ↗ Environmental Festival of Graz
- ↗ Eco-Tour of Graz, KEK Teams
- ↗ Projects on housing estates
- ↗ URBAN Project
- ↗ District development Graz- West
- ↗ Committee for environmental protection



# Interfaces

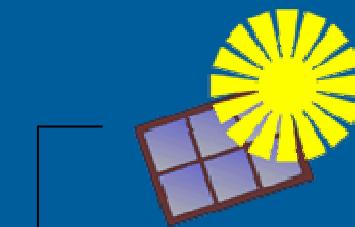
- ↗ Printed and digital Information
- ↗ Internet for quick Orientation
- ↗ Service-Center and Hotline
- ↗ District Work: Information and Co-operation
- ↗ Official Sendouts to every Household
- ↗ Regular E-Newsletter to specific Groups
- ↗ Regular Round Table in Agenda21-Matters
- ↗ Permanent School-Forum
- ↗ Virtual "Ökostadt" - Orientation via Internet
- ↗ Agenda21-Festival:  
Symbol of Concern and Cooperation

# Interface “School”

↗ School Forum”



↗ Retrofitting of Schools



↗ Project Cooperations



↗ Expert-Service



↗ Program-/Project-Participation



↗ Competitions





# District Work and Local Agenda Managers

# District Work

↗ Dialogue instead of Distance

Social Meetings

Surgeries

Home Contacts

Cooperative  
Decisions

# District Work

- Dialogue instead of Distance
- Partnership



Politics  
Administration  
Inhabitants  
Owners  
Church  
Infra-Structure

# District Work

- Dialogue instead of Distance
- Partnership
- Platform

City Departments:  
Economy, Ecology,  
Health, Sports,  
Social Affairs ...

# District Work

- Dialogue instead of Distance
- Partnership
- Platform
- Campaigns



Waste Management  
Health & Sports  
Social Events  
Soft Mobility  
Noise  
PM10

# District Work

- Dialogue instead of Distance
- Partnership
- Platform
- Campaigns
- Implementation



LAMA  
Speakers  
Working Groups  
Community Centers  
Journal  
AGENDA Party

# The role of LAMAs



- ↗ Committees:
- ↗ District government
- ↗ Administration of estate
- ↗ Police, etc.

**Housing Estates  
inhabitants**



- ↗ Multipliers
- ↗ Organizers
- ↗ Moderators
- ↗ Mediators

**City of Graz  
administration  
coaching & support**



# LAMA Training

2002 - 2003

## LAMA - Basic Training -1st Course

Moderation, conflict-management,  
project management, public relations

2003 - 2005

**LAMA**  
**Further Training**  
Topics of daily  
work, advanced  
training

**LAMA**  
**Regulars' Tables**

**LAMA**  
**Practical work**  
residential areas

2004 - 2005

## LAMA - Basic Training -2nd Course



## The Profit in Ökoprofit

- ↗ Partnership (Companies - Authorities - Advisors)
- ↗ Continuous Training and consolidating Workshops
- ↗ Consistent Supervising of Material Flow
- ↗ More Profit through Economically acceptable Processes
- ↗ Cooperative Network and Public Relations
- ↗ Award "ÖKOPROFIT-Company" and Training for EMA ISO 14.000
- ↗ A slice of cake for everybody !



# ÖKODRIVE

Biodiesel – from the Frying Pan  
into the Tank

- ↗ Fewer Emissions
- ↗ Public Transport
- ↗ Renewable low Emission Fuel
- ↗ Valuable raw Material
- ↗ Cooking Oil

## Symbols of Appreciation



# CI

Create your  
own Lobby!

- 100 Institutions
- 20.000 Visitors
- Fun & Facts
- Motivation



# Transparency





*See us at [www.graz.at](http://www.graz.at)*