



# Hamburg European Green Capital 2011 – The City of the Future

Free and Hanseatic City of Hamburg



**Juergen Forkel-Schubert**

Ministry for Urban Development and Environment

[www.hamburg.de/nachhaltigkeitslernen](http://www.hamburg.de/nachhaltigkeitslernen)



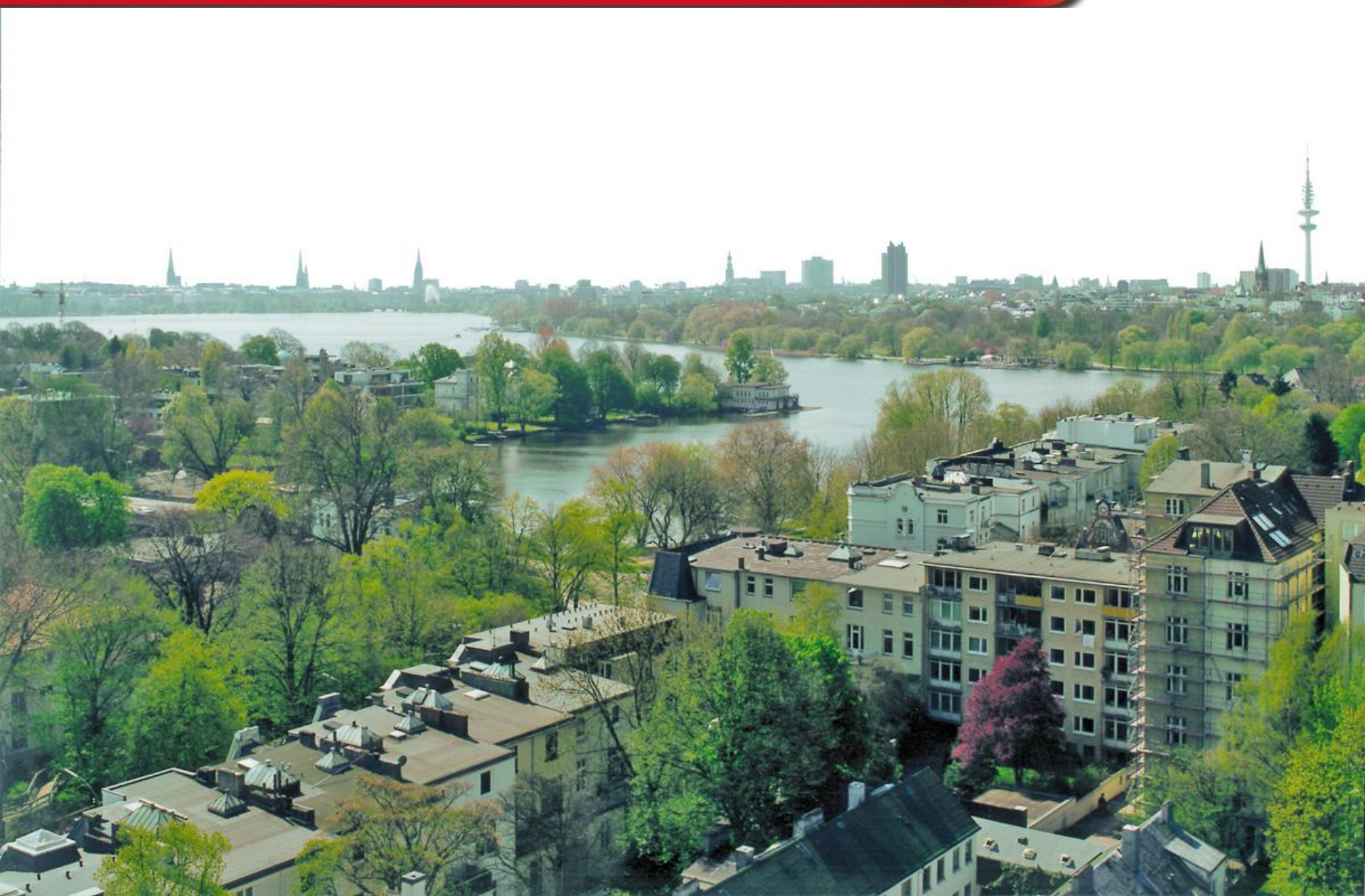


# Hamburg | Europe in a nutshell





# Hamburg | A green and blue city





# Hamburg | vulnerable to climate change

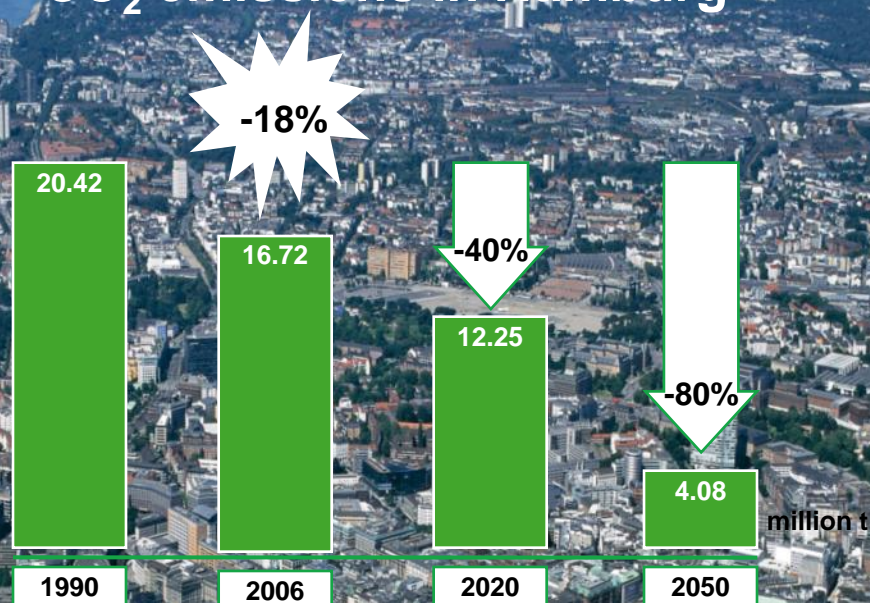
2007





# Ambitious climate protection goals.

## CO<sub>2</sub> emissions in Hamburg





# Collaboration with businesses





# Sustainable port operation





# Urban Development | HafenCity





# HafenCity | architectural highlights



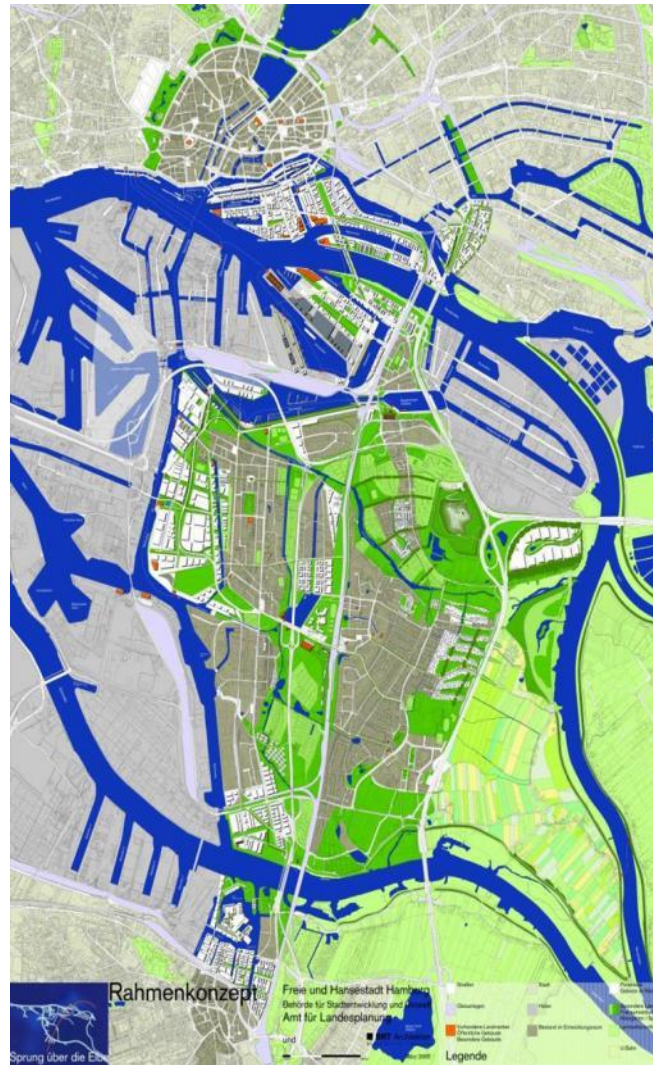


# Urban Development | Leap across the Elbe





# Leap across the Elbe | two exhibitions





# Inner Growth | A 7 motorway enclosure

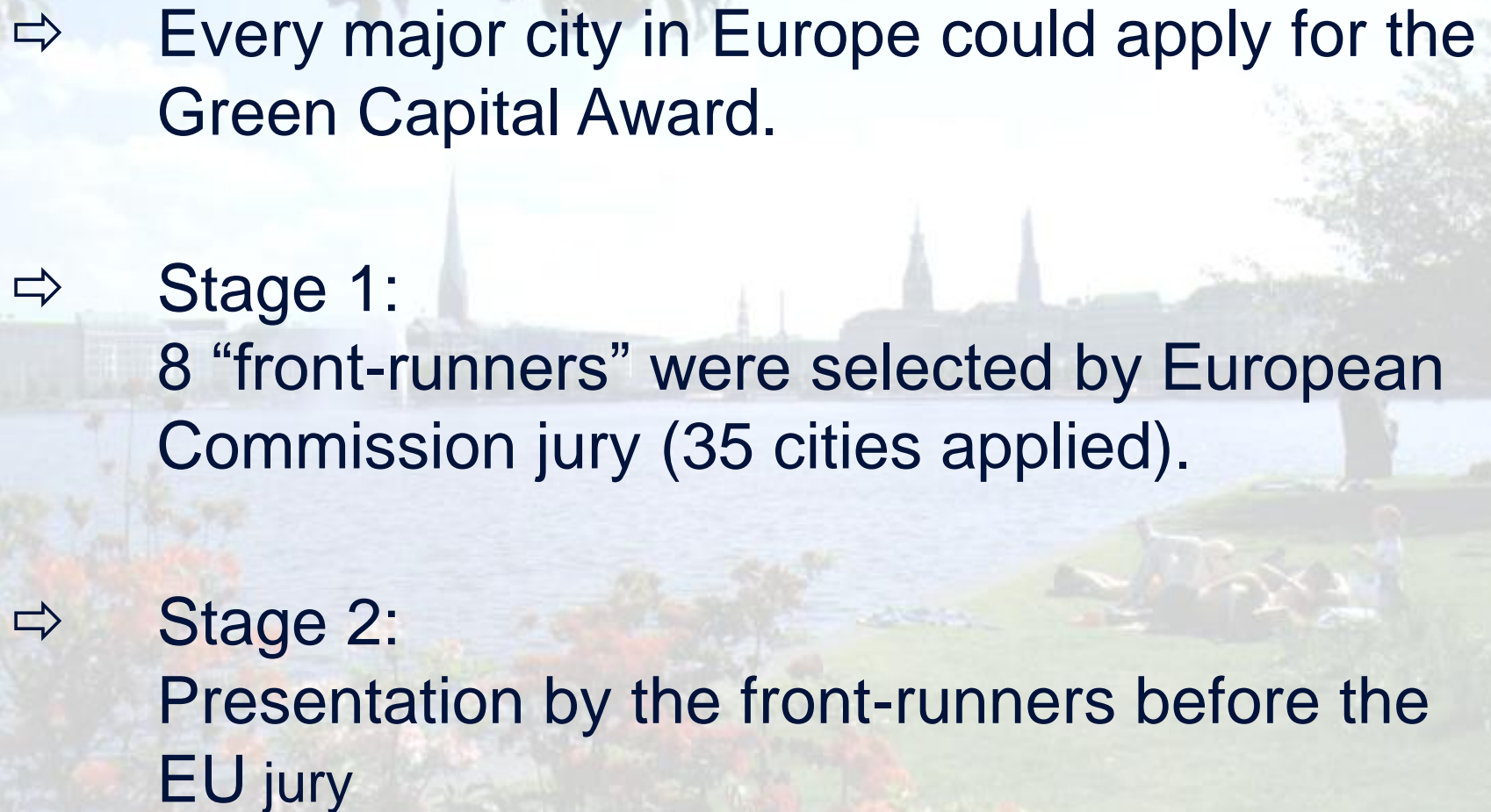




# Climate-friendly transport





- 
- ⇒ Every major city in Europe could apply for the Green Capital Award.
  - ⇒ Stage 1:  
8 “front-runners” were selected by European Commission jury (35 cities applied).
  - ⇒ Stage 2:  
Presentation by the front-runners before the EU jury



- 1. Hamburg (161 points)**
2. Stockholm (157)
3. Munster (155)
4. Amsterdam (150)
5. Freiburg (147)
6. Oslo (143)
7. Bristol (136)
8. Copenhagen (131)

**eliminated in stage 1:**

Munich, Helsinki, Vienna, Bremen, Rotterdam

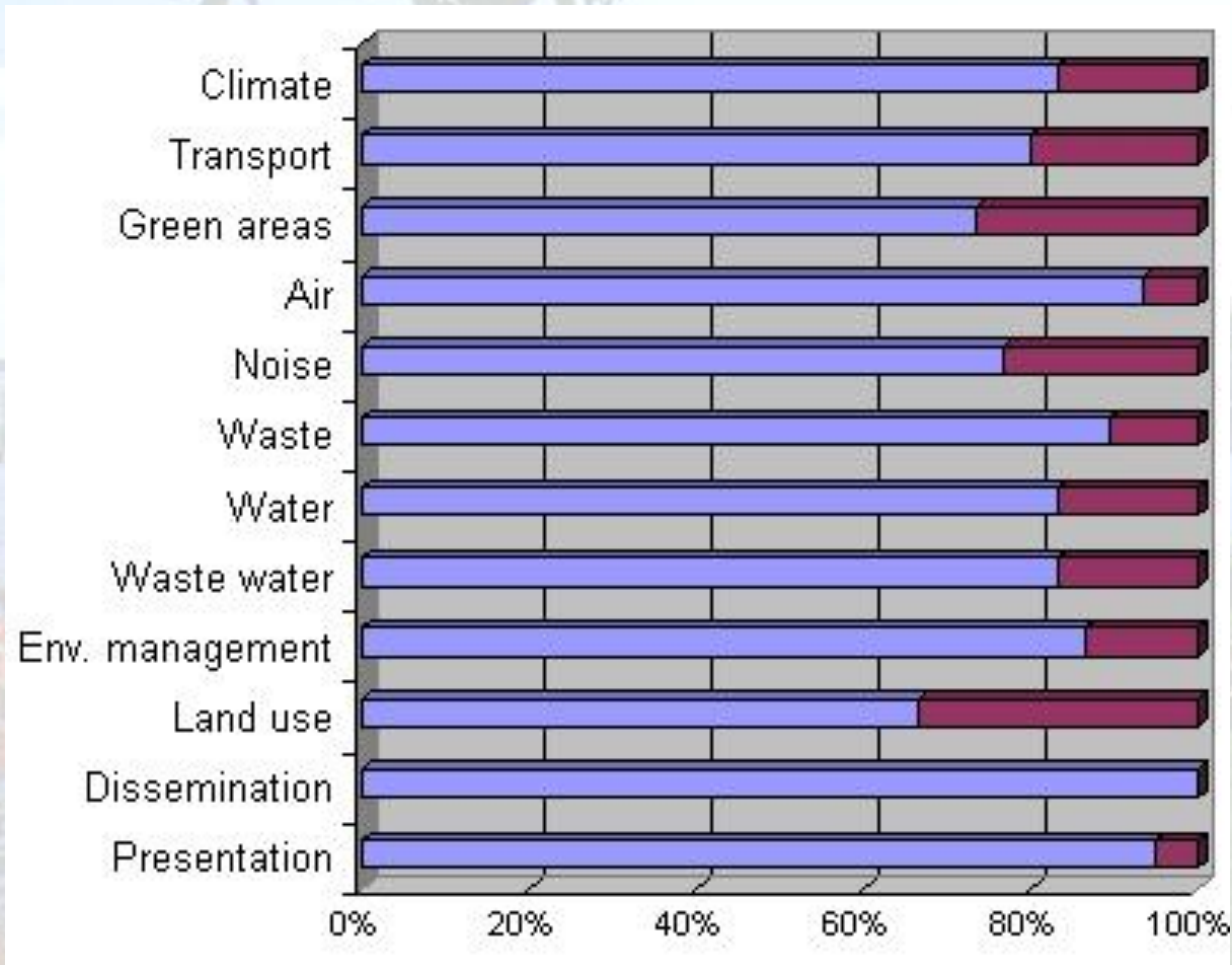


# The Green Capital Award Ceremony





**based on indicators** (in relation to max. points)





## HAMBURG



## EUROPEAN GREEN CAPITAL

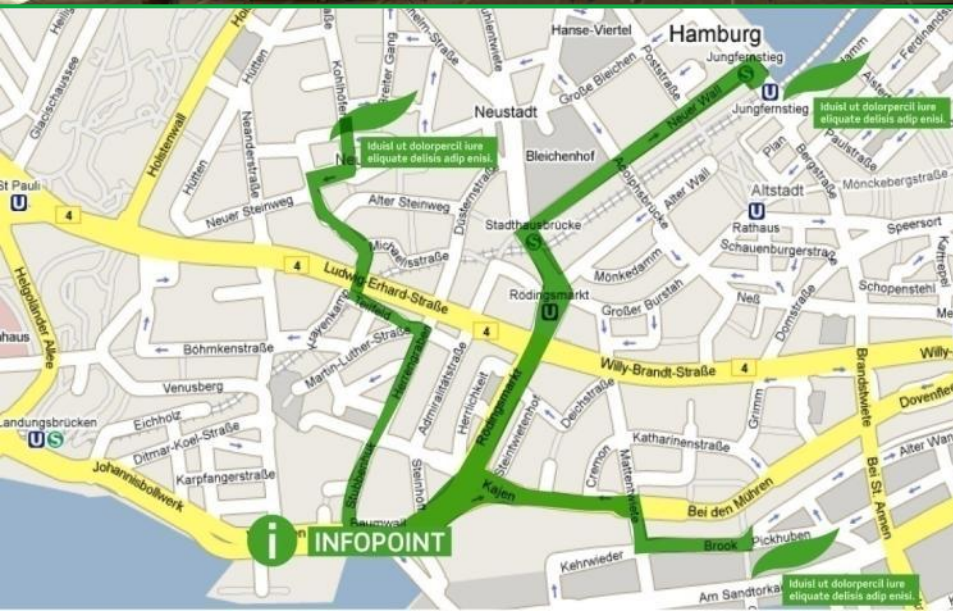
The jury's conclusion:

"Hamburg, the winner 2011, has shown major achievements in the past years and at present, has also achieved excellent environmental standards across the board. The city has set very ambitious future plans which promise additional improvements."



# European Green Capital 2011 |


## We involve the whole city



### PERSONAL ENVIROMENTAL RESPONSIBILITY

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[My PER](#) | [My Profile](#) | [Settings](#)



**Max Mustermann**  
**Novice**  
[max.mustermann@hamburg.de](mailto:max.mustermann@hamburg.de)  
Home Owner  
Commuter  
Interested in energy efficiency in building construction.

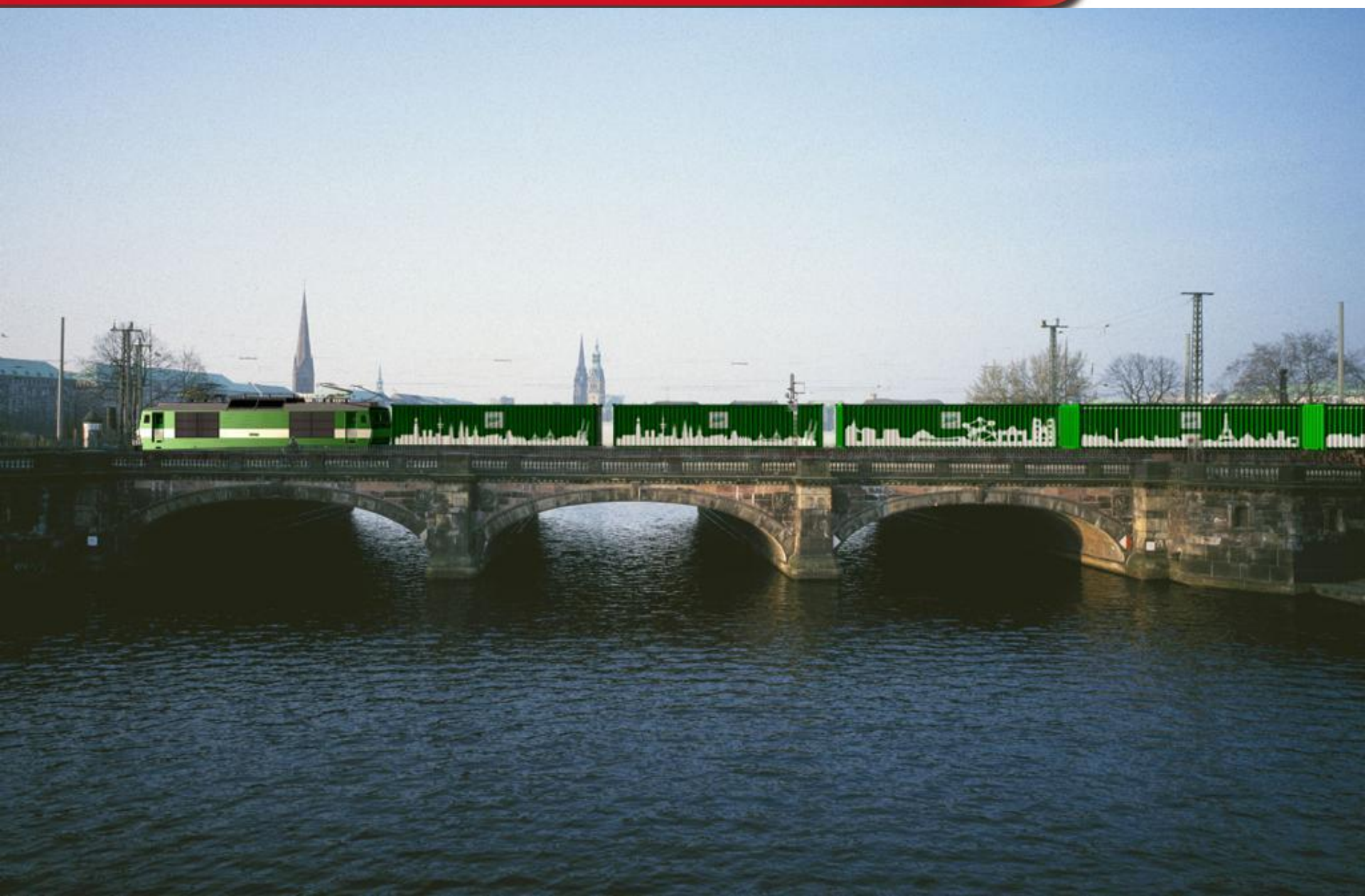
**Status**  
[Status Hamburg](#)  
[PER Invite](#)

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# European Green Capital 2011 |

## Train of Ideas





# Expo 2010 Shanghai | Hamburg pavillion





# Hamburg City Climate Conference |

16th – 18th of November 2009



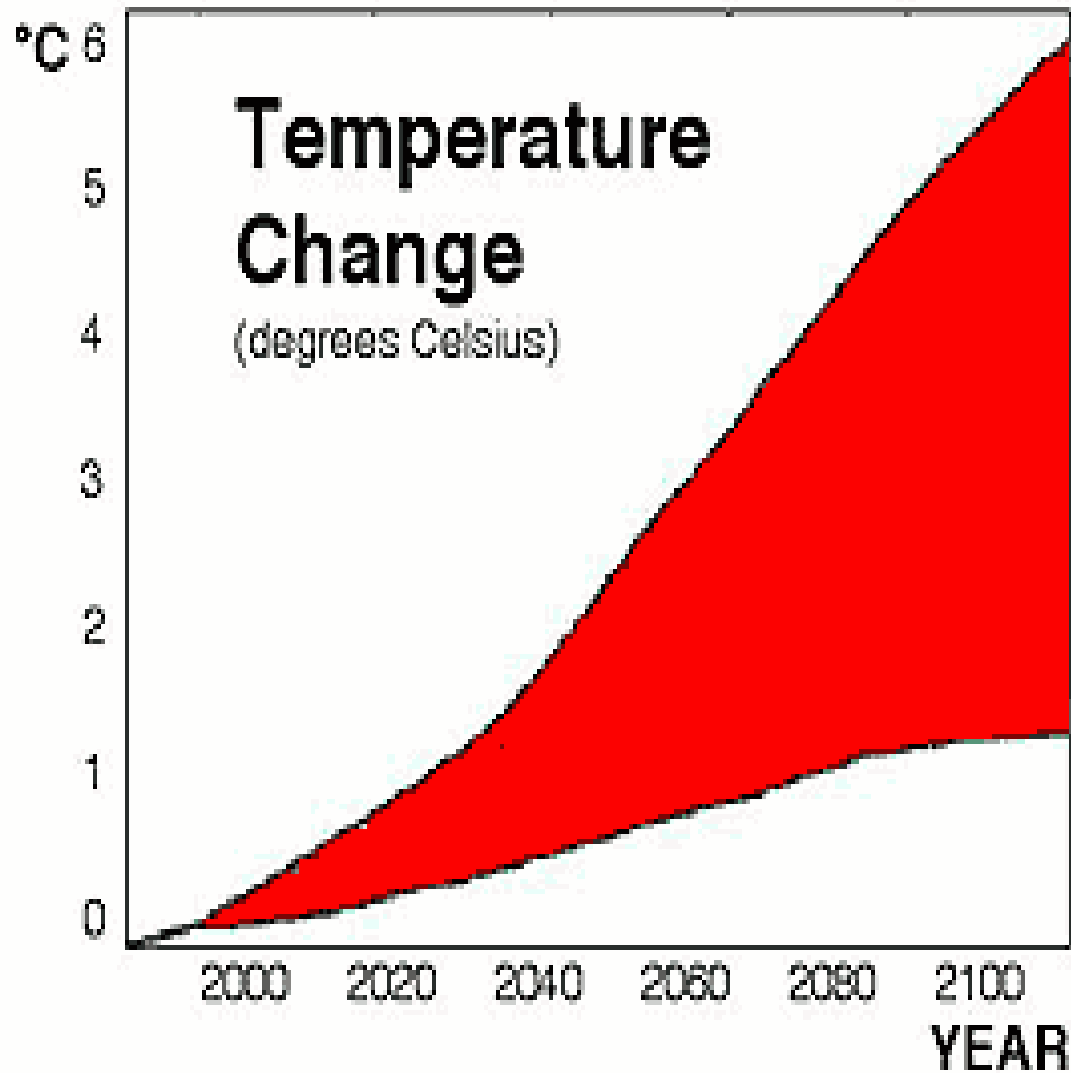


# European Green Capital 2011 |

The whole city joins in









NGO “Zukunftsrat Hamburg” is partner to officials

- over 100 member associations NGOs
- annual independent report on the basis of official numbers



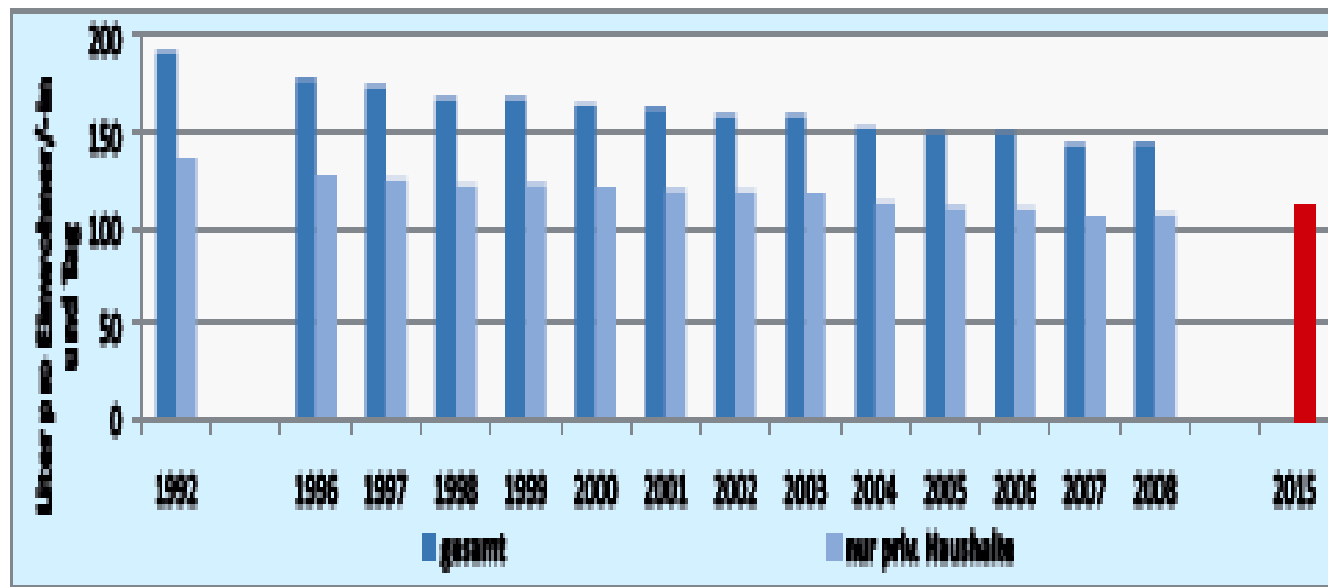
***“Hamburg must be able to be measured”***

30 indicators:

- ✓ ... Sustainable City Development
- ✓ ... Local and Global Responsibility
- ✓ ... Preservation of the Potencial

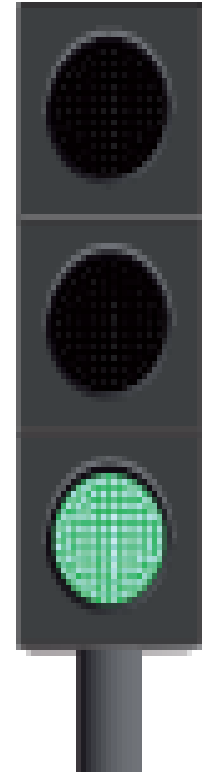


# HEINZ - Indicator for natural resources



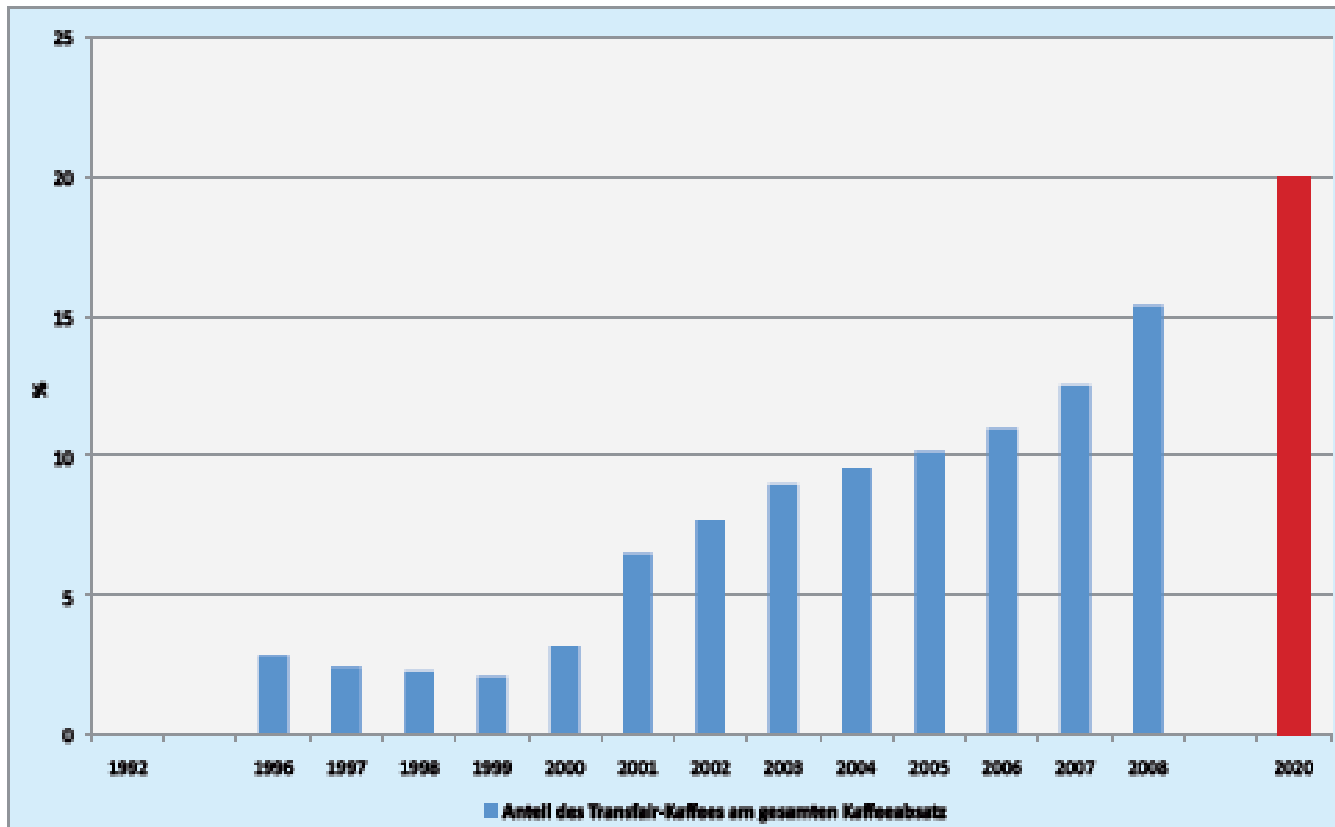
Quelle: Hamburger Wasserwerke

Water consumption in liters per Person and day  
(entire and private households)

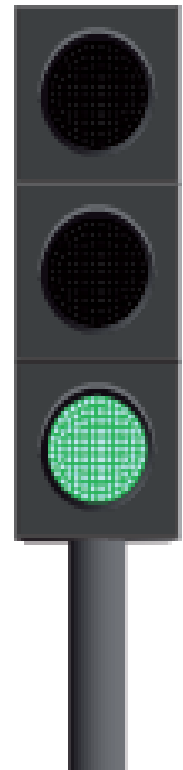




# HEINZ - Indicator for Fair-trade consumption



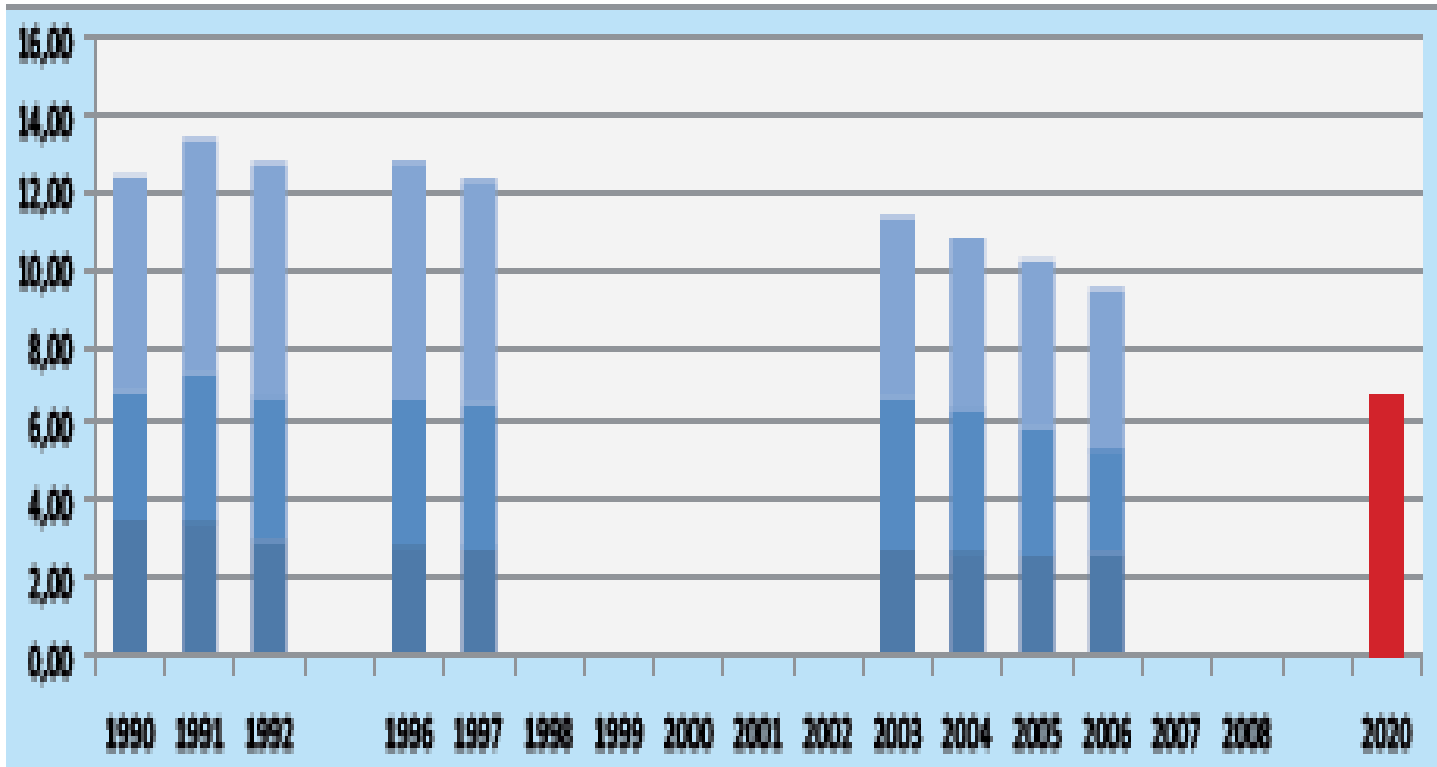
Quelle: Firma Budnikowsky



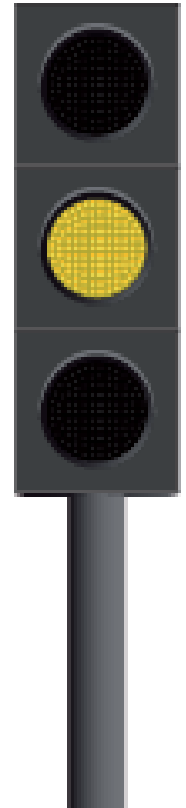
Percentage fair-trade coffee of the entire coffee sales at Budnikowsky



# HEINZ - Indicator for Climate protection

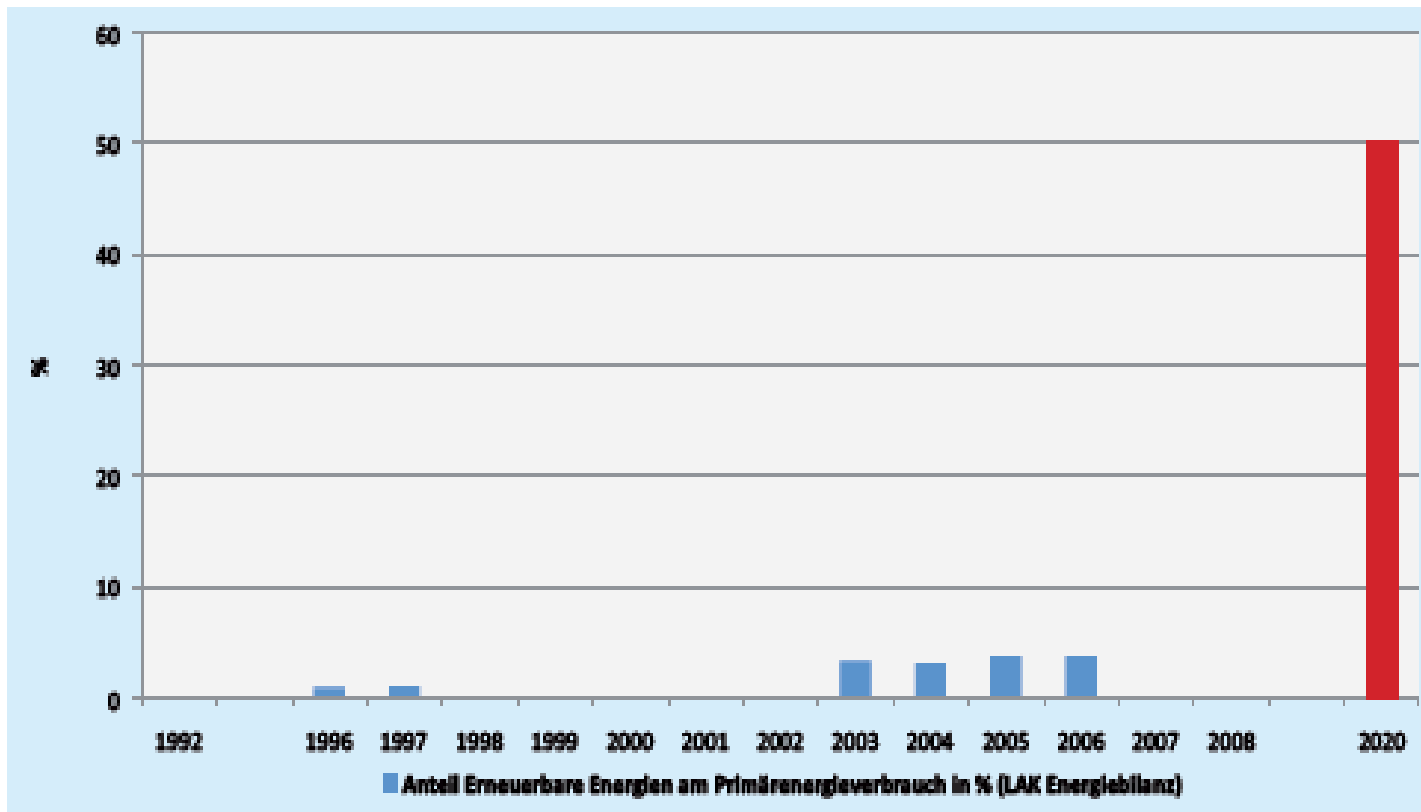


Quelle: LAK Energiebilanzen



CO2-Emissionen in tons per inhabitant and year

# HEINZ - Indicator for use of renewable energy

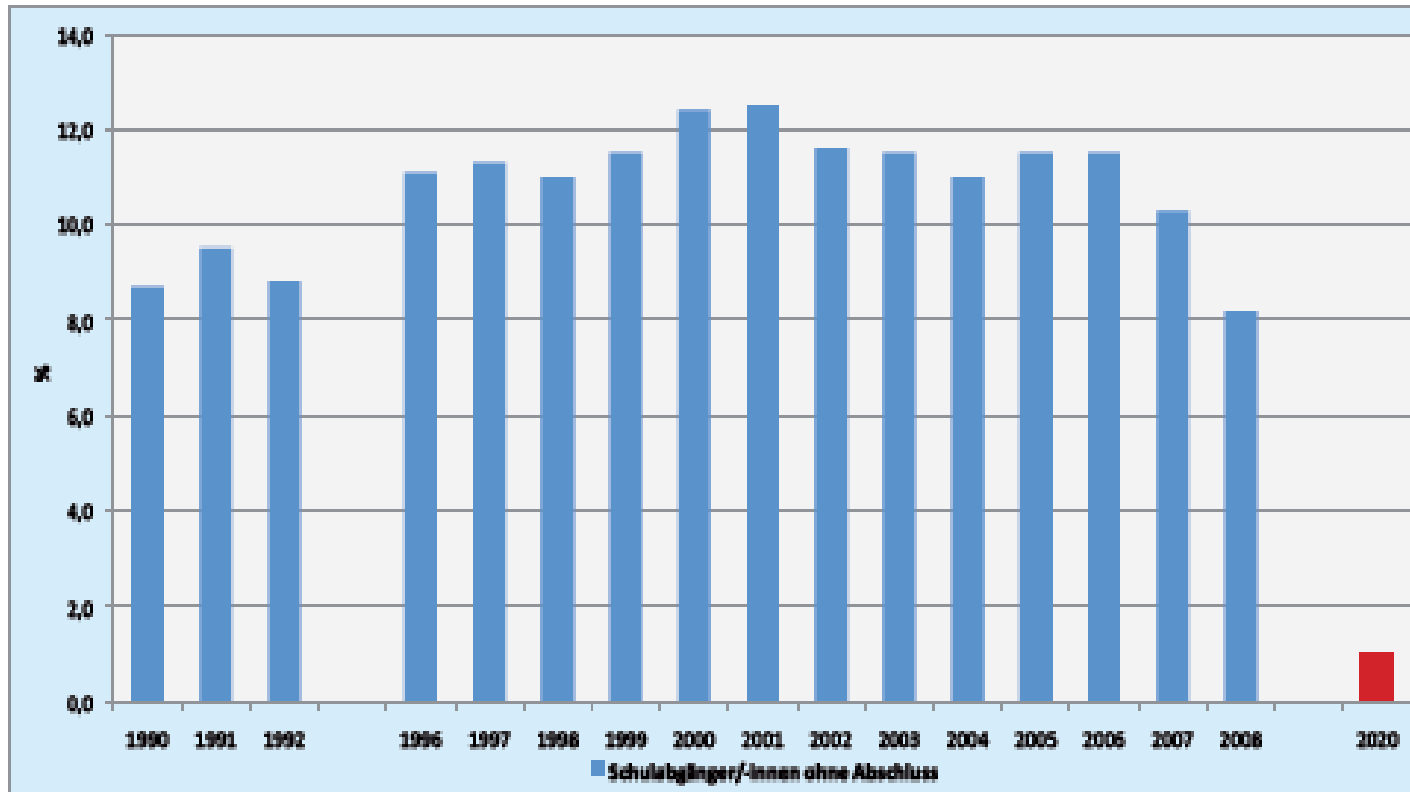


Quelle: LAK Energiebilanzen

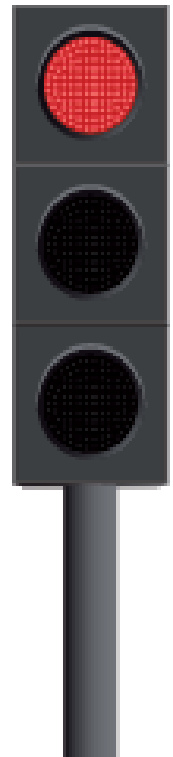


Percentage of renewable energy sources





Quelle: Statistikamt Nord

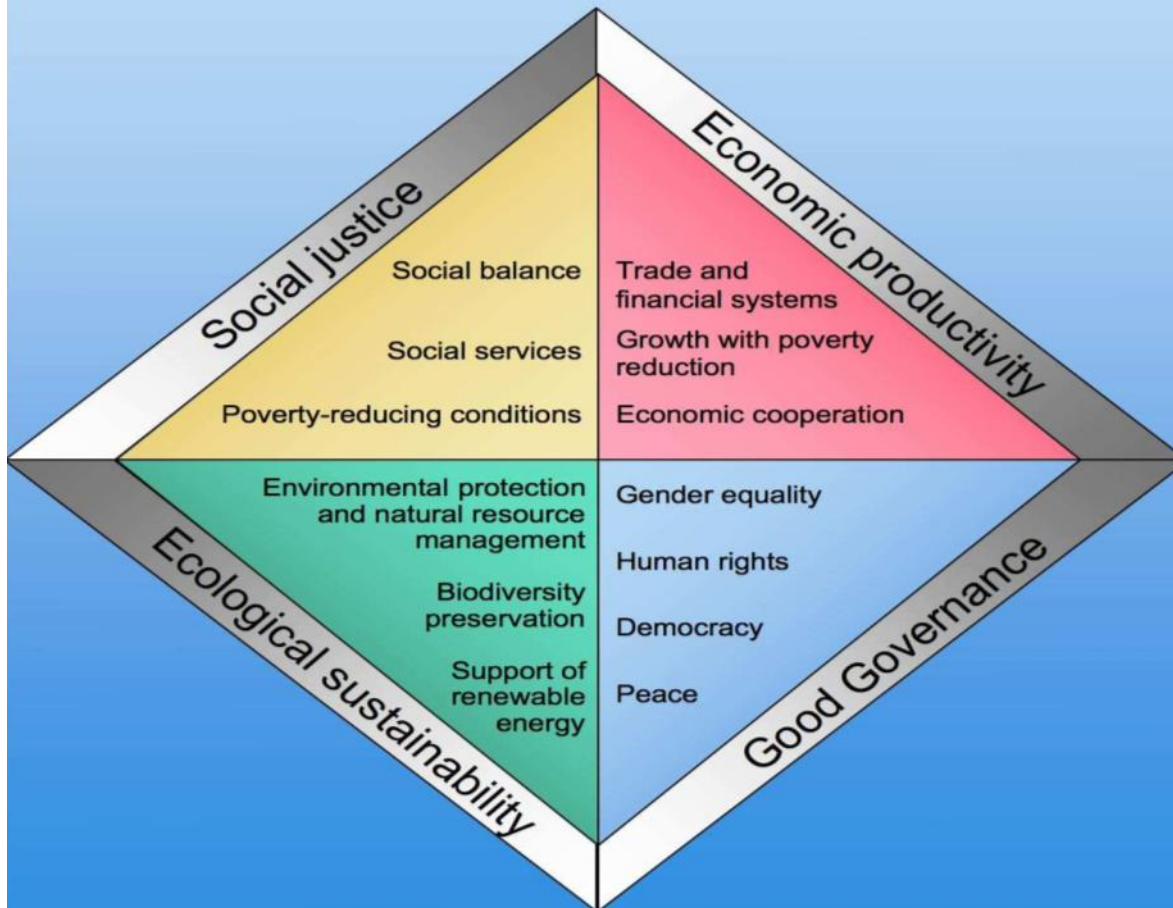


Percentage drop-outs of public school without degree

# The four Dimensions of ESD

## Social, Ecological, Economical and Political Developments Are Symbiotic

The four German Developmental Policy Target Elements



**ESD**

**is NOT**

**SD**





Started by the Senate of Hamburg in 2005

Steering Committee with all ministries relevant for education

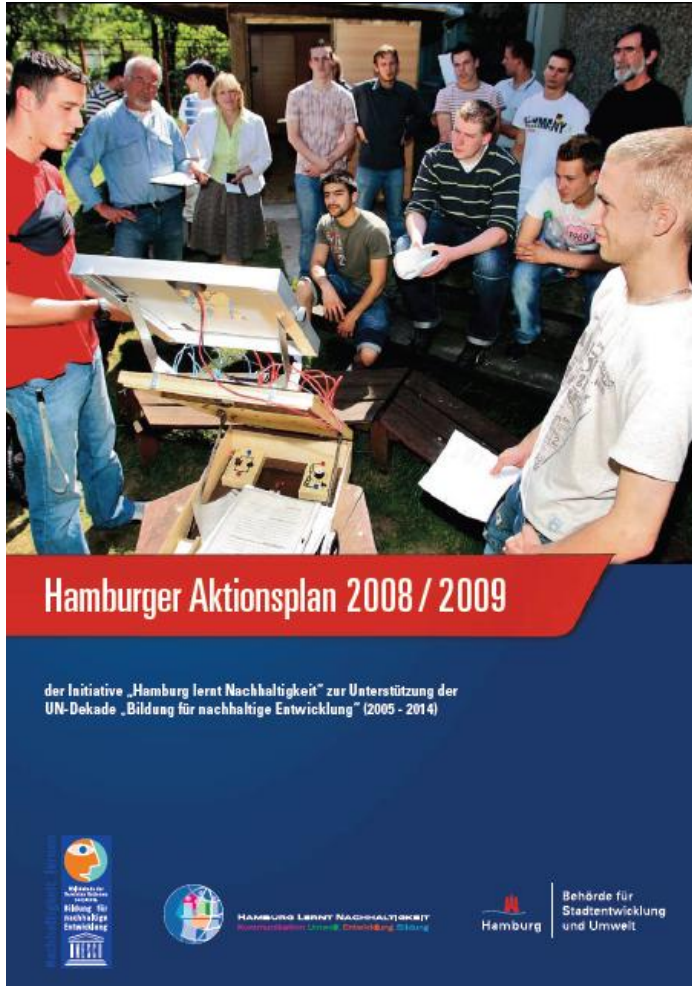
Actors: administration, NGO, companies, educational institutions, citizens and experts from all areas of education

# What is the Initiative doing ?

- ✓ Every year: Hamburg DESD - plan of action
- ✓ Every year: Round Table Conference
- ✓ Monthly: Expert meetings to link stakeholders
- ✓ Improving the quality of Best Practices
- ✓ Publication series “Moving Worlds Through Education” (4x / year)
- ✓ Quarterly newsletter
- ✓ Website with database







- ✓ Agreement by all Actors
- ✓ Basics and Guidelines (what is DESD?)
  - List of key subjects, local deficits
  - methods, strategies, competencies
- ✓ Aims for all educational areas:
  - Children's day-care centres
  - Schools
  - Vocational training
  - Universities
  - Further education
  - Informal learning sector
- ✓ Catalogue of about 120 measures
  - Standards for inclusion in “best practices”
  - Result-oriented annual update
  - Database on the Internet

## Training programme

- Central topics: water, energy, food, consumption and nature experience
- Components: social and intercultural learning, parental work and networking between day-care centres
- Workshops, excursions and advanced training offers
- Certificate







- fifty-fifty programme
- 50% of secondary schools: climate action plan by 2012
- Climate Action Day for all schools (science fair)
- Building education programme: school situation and modernisation requirements are used for teaching purposes



# Vocational training: “Sustainable Building Centre” of Hamburg

- Models of different house types in the graduation 1:1
- trainings in energy-efficiency and construction heat insulation for bricklayers, electricians, craftsmen



- Regional Centre of Expertise on Education
- Pursuing the goals of DESD in the metropolitan region of Hamburg





- University-internal competition for the use of solar energy
- Realisation: 5 umbrellas with solar panels - “sunbrellas”
- On top of the roof of public library – publicly visible
- Whole achievement of approx. 15 kW



# Further education: „Voluntary Ecological Year“ for Climate Protection

- Age 16 – 27 years
- One Year of work for Pocket money
- Awareness rising and social commitment
  - Environmental Education
  - Wildlife Preservation
  - Clean Technologies
  - Education work with children
  - Public relations for sustainability
  - Mobility training
  - Promotion for renewable energies and zero-energy-buildings





# Informal learning: Climate Change Exhibition and Theme Park

- Modernisation of the old farm house “Hamburg Environment Centre”:
- Attractive family exhibition on nature, energy and combating climate change
- Children’s research workshop with learning stations (e.g. solar power, fuel cells, heating systems)
- Renewable energy systems (photovoltaic array, “Solar Garden”)
- Seminars about climate protection for experts and public





# Informal learning: Long Night of Climate Change in „Europe-Mall“





# Fair „Discover ECO“ on the central market place



# Internet: transparency and information

Veranstaltungskalender - Microsoft Internet Explorer provided by Dataport

http://www.uport-hh.de/bildungsangebote/veranstaltungskalender/ tsch englisch übersetz...

Bearbeiten Ansicht Favoriten Extras ?

Veranstaltungsk... x LEO Ergebnisse fü...

Uport Das Umweltportal für Hamburg

UMWELT  
BILDUNG  
NACHHALTIGKEIT

Kontakt  
Impressum  
Sitemap

SOE  
SAVE OUR FUTURE  
UMWELTSTIFTUNG

**Bildungsangebote**  
↳ Veranstaltungskalender  
↳ Veranstaltungen auf Anfrage  
↳ Liste der Lernorte

☐ **Projekte**  
↳ Hamburger Aktionsplan (HHAP)  
↳ BNE-Aktivitäten an Schulen

☐ **Organisationen**  
↳ Liste der Organisationen  
↳ BNE-Schuldatenbank

☐ **Informations-Dienst**  
↳ Nachrichtenticker  
↳ RSS-Feeds  
↳ Newsletter-Angebote

☐ **Uport Serviceleistungen**  
↳ Bildungsführer BNE  
↳ Link-Liste  
↳ Homepagekalender  
↳ Veranstaltungsflyer

☐ **Login und Neuanmeldung**

**Veranstaltungskalender**  
Alle Termine auf einen Blick

**SUCHE IN VERANSTALTUNGEN** **SUCHE ZURÜCKSETZEN**

A tree for site navigation will open here if you enable JavaScript in your browser.

Termin ab 22. Jan 2010

Zielgruppe  
Alle  
Kinder  
Jugendliche  
Eltern / Kind

Veranstaltungsart  
Alle

Umkreis  
Alle

um PLZ

Freitext Suche

**SUCHEN**

Gewähltes Thema: Alle  
Suchtreffer: 576

Datum	Thema	Veranstalter
22.01.2010	Winterliche Vogelwelt im Niendorfer Gehege Vogelkundliche Wanderung durch das Niendorfer Gehege	Schutzgemeinschaft Deutscher Wald, Landesverband Hamburg e.V.
22.01.2010 bis 29.01.2010	Heizen mit Holz Umfassendes theoretisches und praktisches Wissen über den Einsatz von Holzheizungsanlagen.	ZEWU - Zentrum für Energie-, Wasser- und Umwelttechnik
22.01.2010 bis 03.12.2010	Kundendienstmonteur (HWK), Kompakt Vorbereitung auf die Fortbildungsprüfung zum geprüften Kundendienstmonteur für heizungs- und lüftungstechnische Anlagen.	ZEWU - Zentrum für Energie-, Wasser- und Umwelttechnik
22.01.2010 bis 01.09.2010	Naturkundliche Streifzüge in und um Hamburg Wir vermitteln Exkursionsleiter für Schulklassen und Kindergärten zu einem Thema Ihrer Wahl an einem Ort Ihrer Wahl.	Botanischer Verein zu Hamburg

Internet 100%

Posteingang ... Fertige\_Druc... Veranstalt... Vortrag\_Da... heinz09.pdf ...





## The UN-Decade „Education for Sustainable Development“ 2005-2014

**... wants to improve the capability of all people to play an active role in forming a positive future of society**

*For its efforts, in 2007/08 Hamburg was the first city in Germany to be awarded the title “Official City of the UN Decade” (second time award 2009/10)*



# Meeting of the German „UN Decade ESD Cities“





# See you again in Hamburg !



*Thank you for your attention !*

