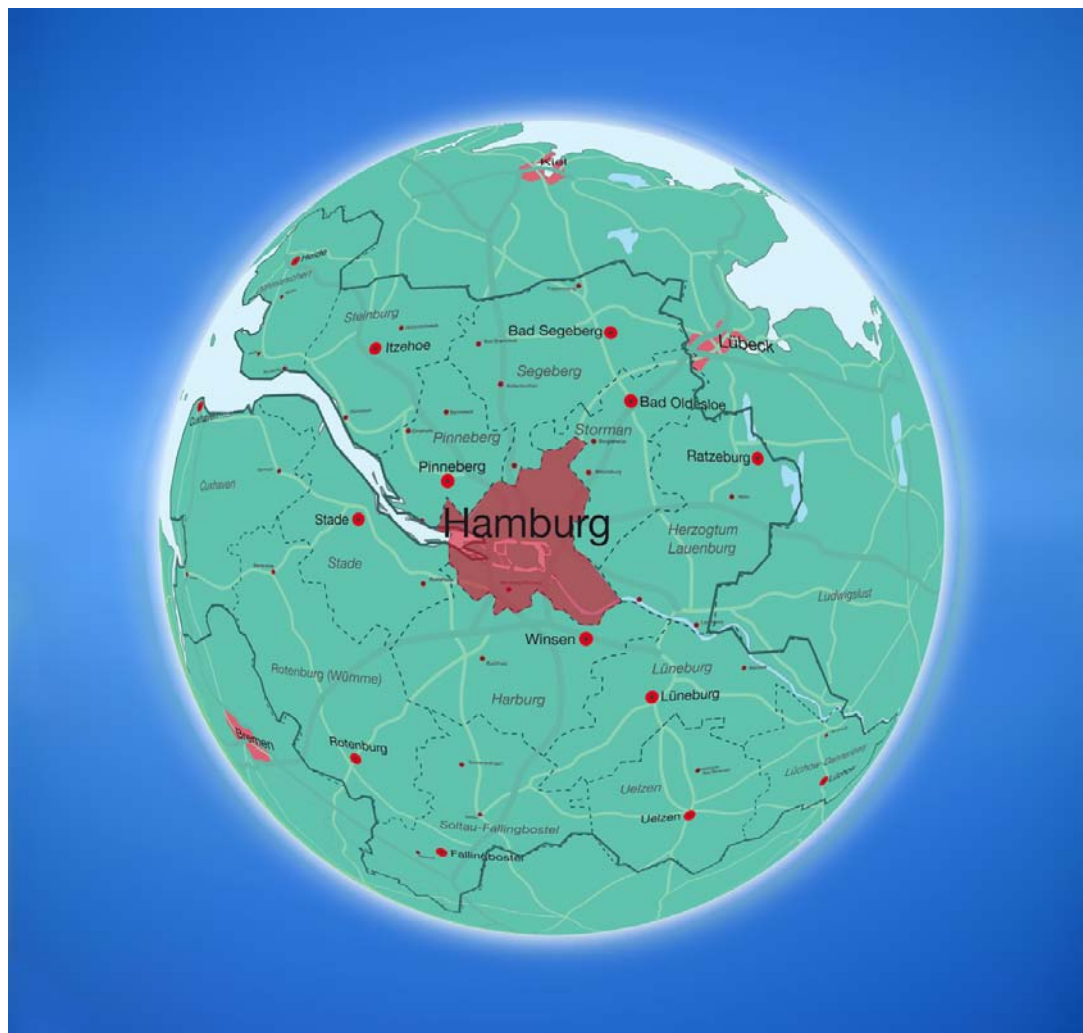


# Climate Action in Hamburg



**Action on climate change is justified,  
not because the science is certain, but  
precisely it is not.**

**THE ECONOMIST, March 20<sup>th</sup> – 26<sup>th</sup> 2010**

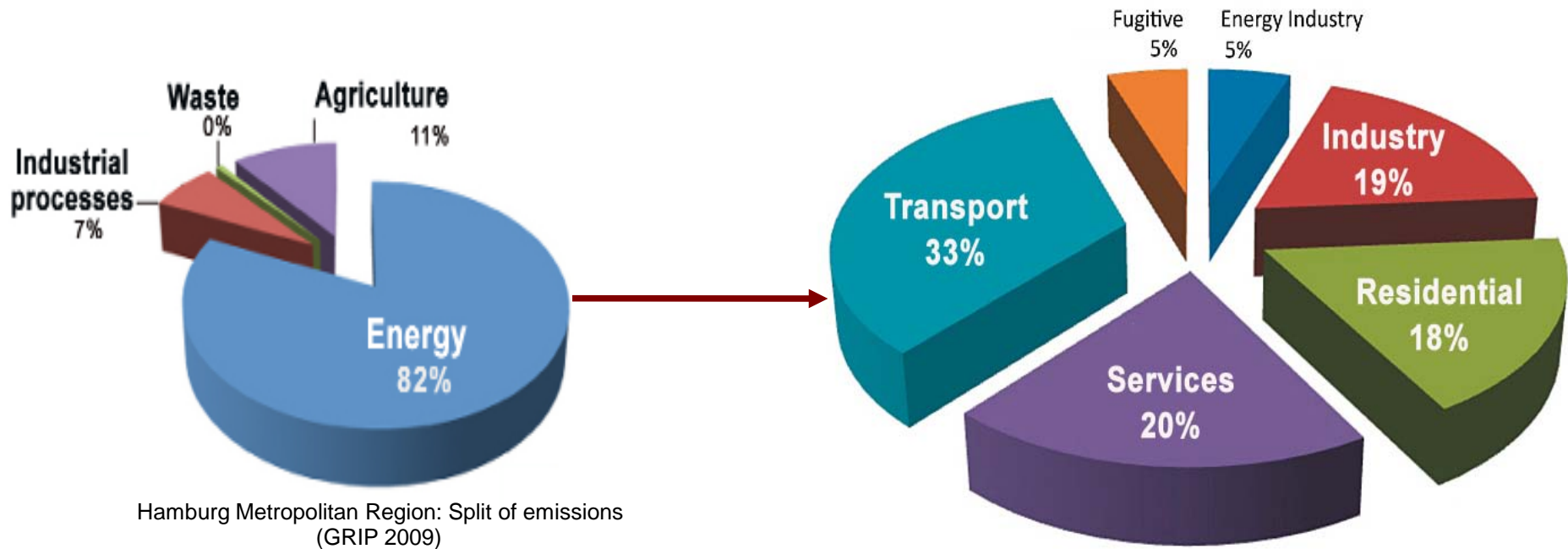


**CITY OF HAMBURG**  
1.7 million inhabitants  
750 square kilometres

**METROPOLITAN REGION**  
4.3 million inhabitants  
20.000 square kilometres

Both in mitigation and adaptation, Hamburg cooperates with the surrounding districts

### 3 Regional Greenhouse Gases come from ...



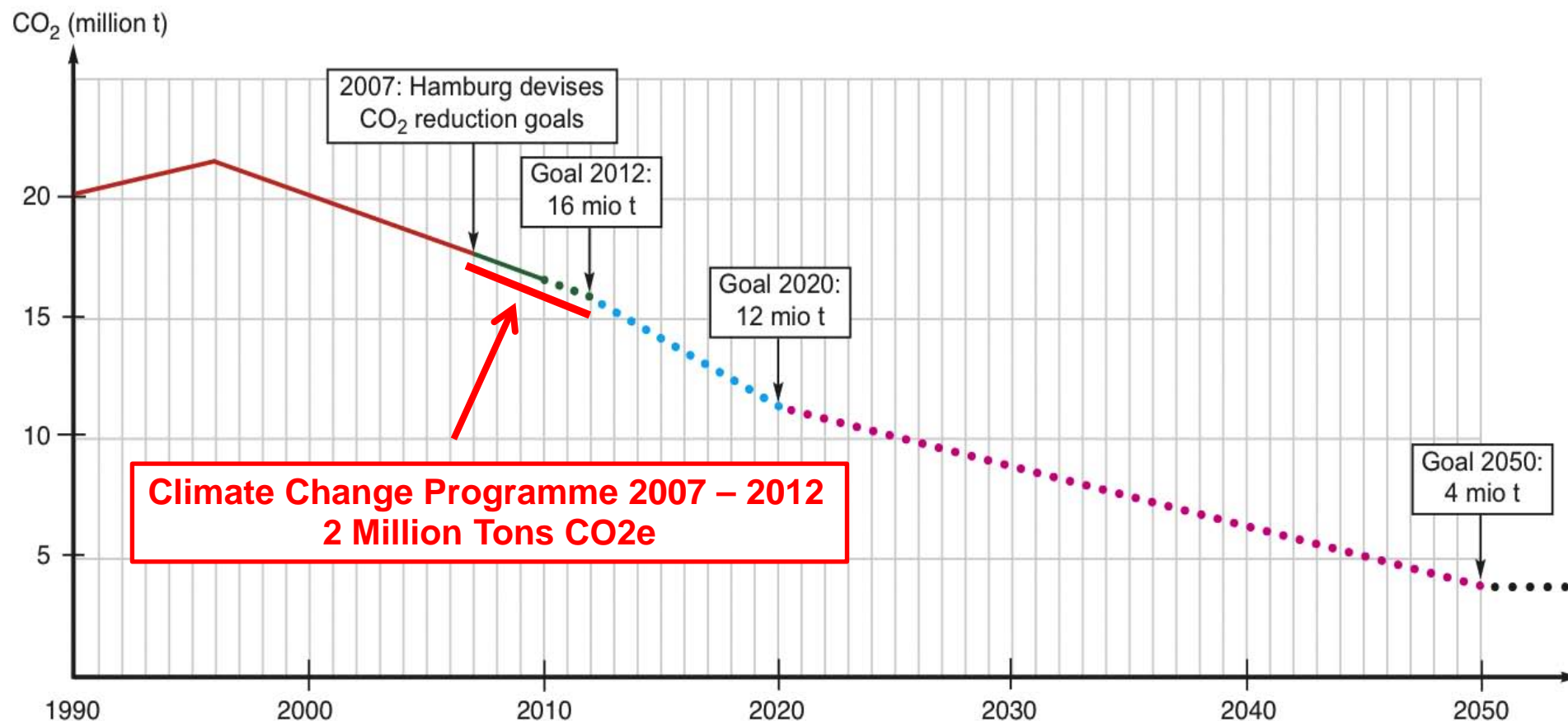
Hamburg Metropolitan Region: Split of emissions (GRIP 2009)

Hamburg Metropolitan Region: Emissions from energy combustion, distribution transformation & extraction (CO2e - GRIP 2009)

**Like in most European regions, the energy sector is crucial for greenhouse gases emissions and consequently for mitigation efforts in the Metropolitan Region of Hamburg.**

**Results are very similar for the City of Hamburg.**

## 4 Our GHG reduction targets



**Reduction targets of the City of Hamburg compared to 1990:  
20% until 2012, 40% until 2020, 80% until 2050.**

### Hamburg Sustainable Energy Action Plan (established 2007)

Volume: **25 Mio €** each year

Implementation: **Coordination Centre for Climate Issues** (est. 2007)

Control: **Annual reporting** to the regional parliament

#### Climate Action in Hamburg

Update 2009/2010

Framework Conditions – Fields of Action – Approaches  
and Strategies for Transforming to a Green Economy  
and to Smart Urban Planning



**2010: 359 measures implemented or planned**  
**10 Sectors**

01. Research
02. Energetic concepts
03. Public administration as forerunner
04. Buildings (in private property)
05. Mobility
06. Trade and equipment technology
07. Adaptation
08. Awareness raising
09. National and international cooperation
10. Legislation

## 6 Key instruments

### A clear hierarchy of goals

1. Energy saving
2. Energy efficiency
3. Energy substitution by renewables

### Key instruments

- ◆ Funding programmes for thermal insulation, photovoltaic installations and thermal heating
- ◆ Funding programmes for enterprises to improve energy efficiency and to save energy
- ◆ Stakeholder's commitment to reduce 500.000 tons of CO<sub>2</sub> p.a.
- ◆ Establishing a city-owned energy supply company based on renewables

1



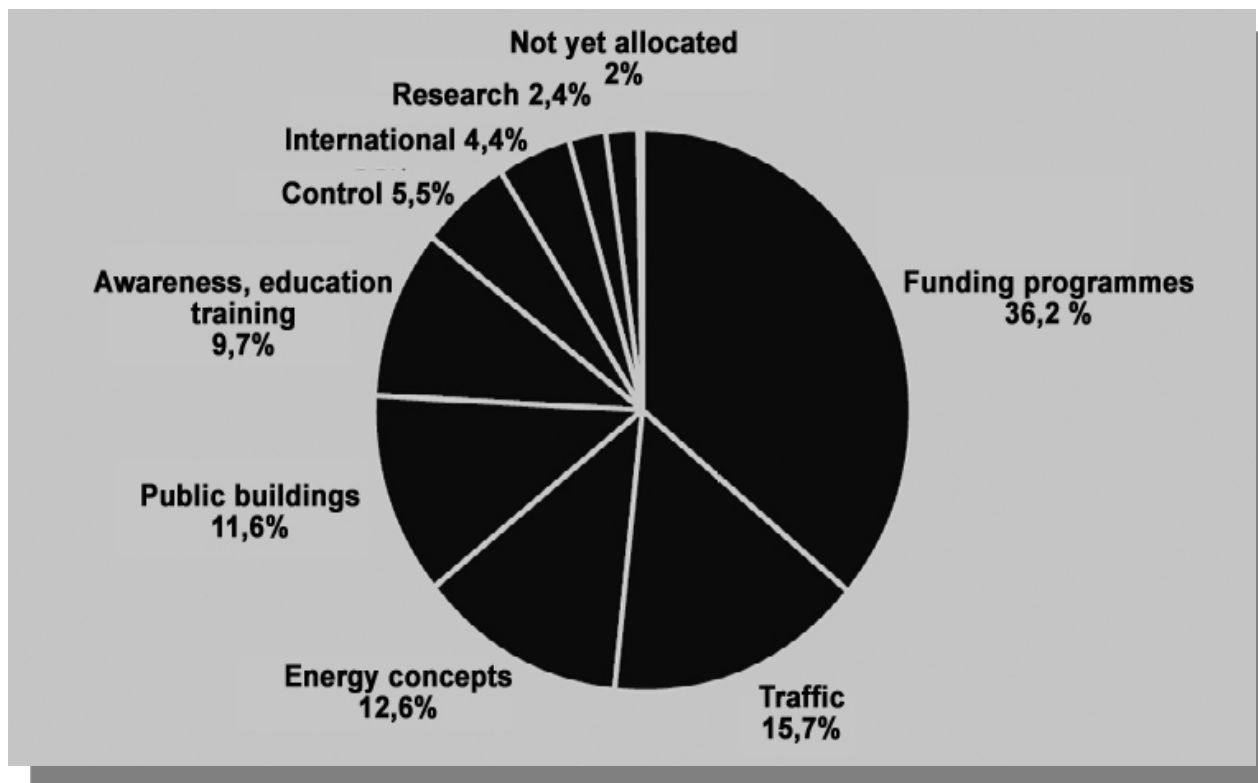
2



3



## Forecast fund allocation 2010 from Hamburg Climate Action Policy



We calculate that the 25 mio € p.a. invested by the City of Hamburg effectuate or facilitate an additional investment of 50 Mio € in private economy, households and other sectors.



### +++ Dones +++

Hamburg as signing city of the Covenant of Mayors has already made a **regional CO2 inventory**.

As required, we have developed a **Sustainable Energy Action Plan (SEAP)** which has been actualized two times.

We created **new administrative structures** and we are **investing** a maximum in **mitigation measures**.

### +++ Todos+++

We must develop a **long term strategy** to implement mitigation measures and to fix a timetable.

We must organize a **consensual decision finding process** for a mitigation strategy **together with regional stakeholders**.

We must **raise the awareness** for the need of mitigation **among our citizens** through campaigns and other measures.

## 9 A helpful instrument: the GRIP methodology



Hamburg is coordinating Lead partner of project **EUCO2 80/50**.

15 metropolitan regions, among them 7 capitals, aim to devise regional strategies in order to decrease their emissions by 80% until 2050.

In 2009, the partners made their **regional CO2 inventories** in accordance to UN standards.

The methodology used is **GRIP**, the **Greenhouse Gases Regional Inventory Protocol**, developed by the University of Manchester and recommended by the Covenant of Mayors.

# Hamburg is European Green Capital 2011 because

1. Hamburg is Europe in a nutshell
2. We see the whole as well as our holes
3. We will start a train of ideas throughout Europe

# 11 Contact / Links



## Dr. Benno Hain

Coordination Centre for Climate Issues  
Ministry of Urban Development and Environment  
Stadthausbrücke 8  
D - 20355 Hamburg  
Phone: +49 40 42840 2911  
benno.hain@bsu.hamburg.de

The **Hamburg Climate Action Plan** can be downloaded at [www.klima.hamburg.de](http://www.klima.hamburg.de)

Project **EUCO2 80/50** has been originated by METREX, the organization of European metropolitan regions. General Electric is the official partner of the project. EUCO2 80/50 uses the GRIP methodology developed by the Dr Carney from the University of Manchester and recommended by the Covenant of Mayors. Additional information can be found at [www.euco2.eu](http://www.euco2.eu)



Partner

**METREX**  
The network of  
European Metropolitan Regions and Areas



**MANCHESTER**  
1824  
The University of Manchester