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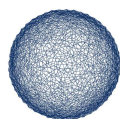
A Province's CO₂ emissions inventory and its 7 challenges for action

Nicola Zingaretti, President of the Province of Rome



COP15 Side Event

Climate Alliance



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Solutions for Change: (How) local authorities are contributing to meet international climate targets

Friday, 11 December 2009 | 9:00-10:30 am | Room: Niels Bohr



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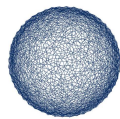
The Province of Rome is an administrative body located in the **Lazio Region**.

It is named after the biggest and most important city situated on its territory, **Rome**.

There are 4 million inhabitants.

Area: 5.352 sq km

121 Municipalities



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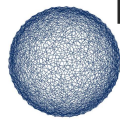
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What is the Province?

The Province has the task to promote regional planning, to mediate between the local administrations, to coordinate the policies for the inhabitants, the services, the infrastructure of the city of Rome and of the municipalities that belong to it.

The main competences of the Province are: security on the road, professional training, employment policies, food security, environmental protection, scholastic real estate, regional urban planning



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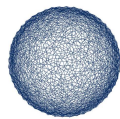


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The Province of Rome has adopted in 2008 an Energy Plan which presents comprehensive data on the present state and possible future scenarios.

More specifically a frame of reference has been elaborated for the CO₂ emissions in the territory of the Province and possible paths to follow for achieving the Kyoto goals.



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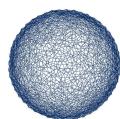
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In this plan there are also general guidelines for monitoring the achievements of the goals annually updating the relevant indicators:

“MONITORING THE RESULTS

The actions of the plan will not only have important repercussions on the energy system but also more generally on the entire socio-economic system. Therefore a periodic verification of the foreseen results will be necessary (preferably with annual intervals)”



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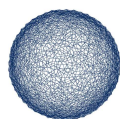
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The Province of Rome - a Province for Kyoto

The Province of Rome has participated in 2009 as a member of Climate Alliance in the pilot group for the Italian version of ECORegion to elaborate and periodically update a CO₂ inventory.

This work gives continuity to a policy of sustainable development and the commitment in the Energy Plan of the Province of Rome to undertake a number of actions and to monitor their impact with a periodic inventory of the CO₂ emissions.

We here present the first results of a work in progress that mirrors a further step in the effort of our administration to make sustainable development and climate protection cornerstones of our policy.



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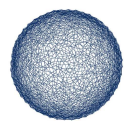
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CO₂ Inventory of the Province of Rome

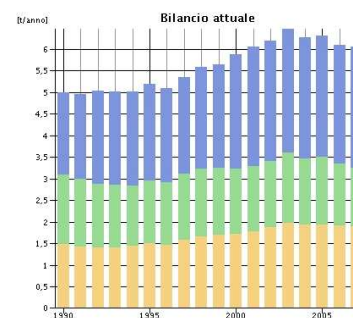
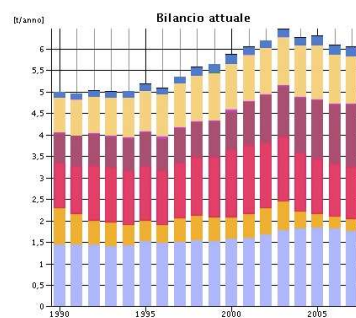
Development of CO₂ emissions 1990 - 2007:

The Province of Rome in 1990 emitted 18,6 Mt of CO₂

4,95 tons per person.



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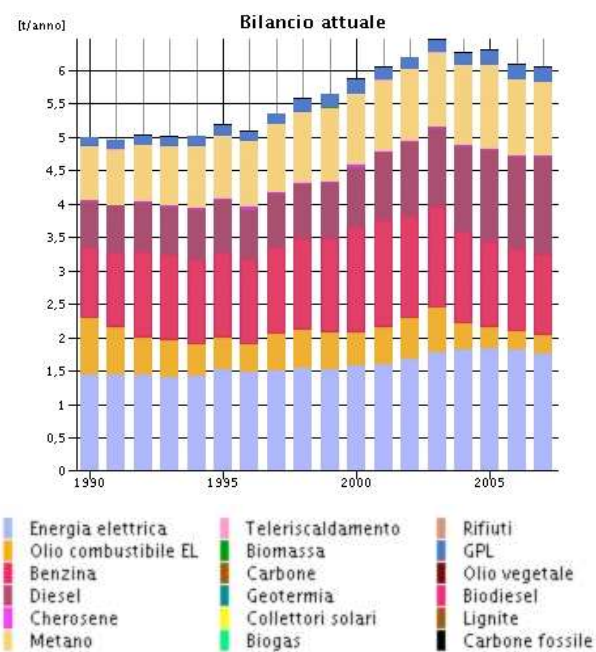




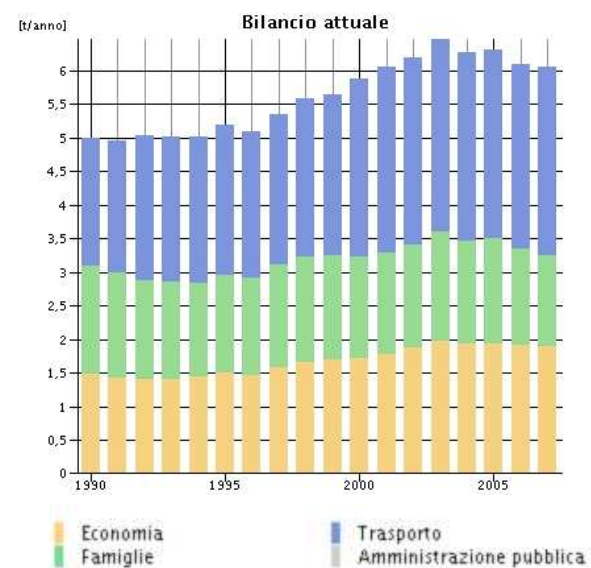
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Inventory by energy sources



Inventory by sectors





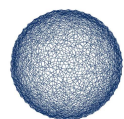
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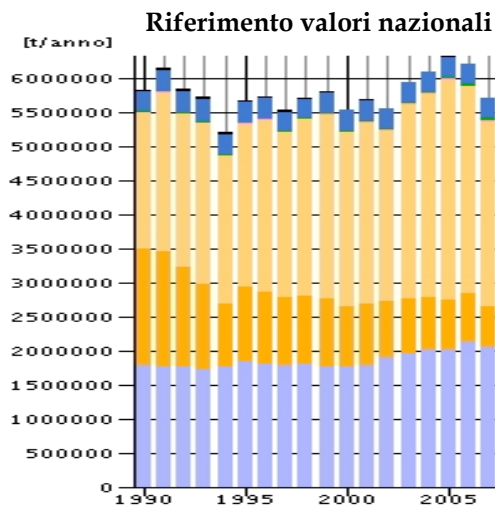
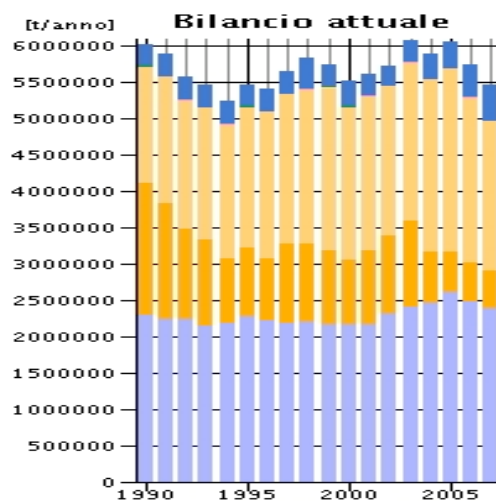
Residential Sector - Development of CO₂ emissions 1990 - 2007:

Electricity consumption is on high level, more than national standard, and it is slowly increasing (blue)

Lower than national standard is the gas consumption



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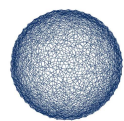


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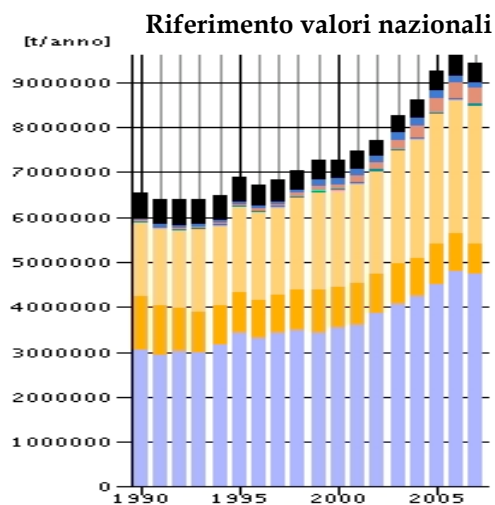
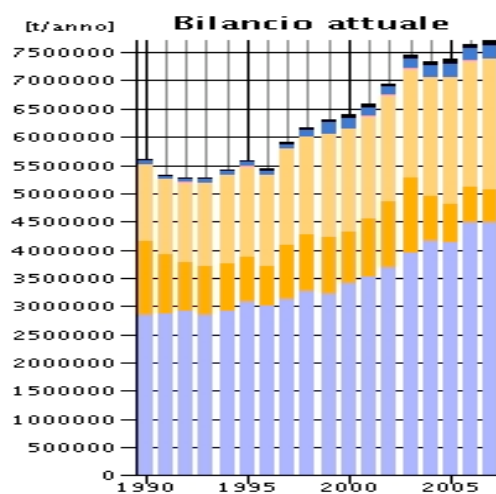
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Economic Sector - Development of CO₂ emissions 1990 - 2007:

Electricity consumption is increasing strongly (blue)



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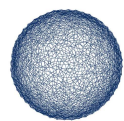
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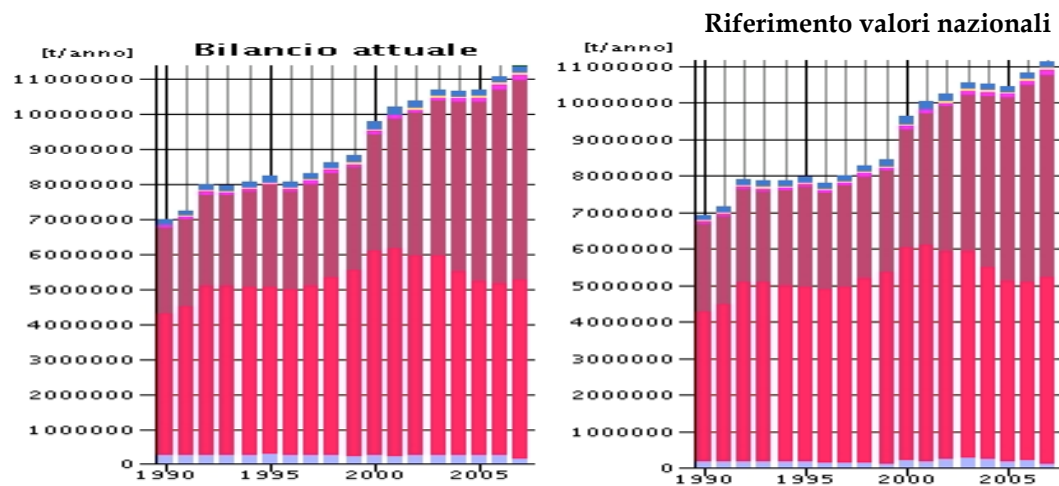
Transport - Development of CO₂ emissions 1990 – 2007:

Diesel consumption is increasing quickly, same trend on national level.

Transport sector is a key sector to manage CO₂ emissions, it is the heaviest sector in terms of emissions



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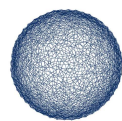
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The Province of Rome has adhered to the Covenant of Mayors:

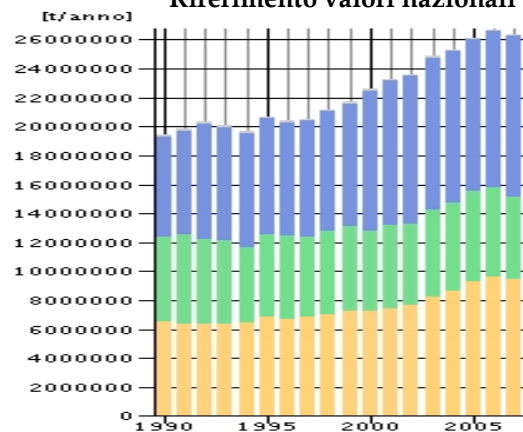
The goal: -20% of CO₂ emissions. This could mean

Total 1997:	20 Mt	2020: 16 Mt
Per person 1997:	5,3 tons	2020: 4,4 tons

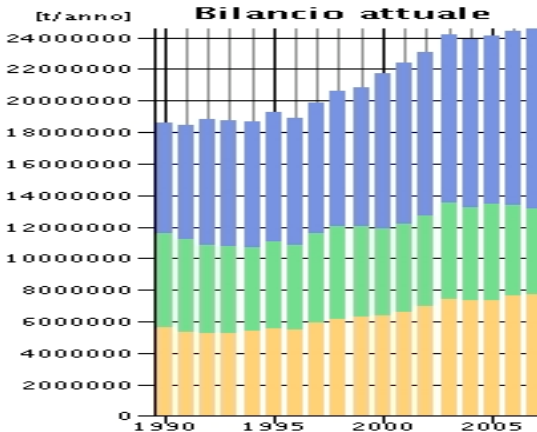


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Riferimento valori nazionali



Bilancio attuale





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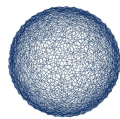
The Action Plan of the Province of Rome

We believe that sustainable development is not any more simply a chapter in the programme but the fundamental theme that guides the entire agenda of our government.

In February 2009 our administration has presented the Action Plan of the Province of Rome

The Action Plan indicates the projects that we want to realize and puts together public investments of a total of 520 million Euros.

This year we have started to work on the seven challenges that are indicated in the plan.



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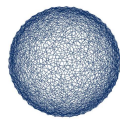


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1. Promoting renewable energy

GOAL: To offer financial and logistical support to projects of energy saving and of renewable energy of local administrations or in partnership with private subjects.



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(Promoting renewable energy)

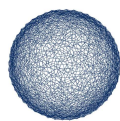
PROJECTS:

Public Tenders

39 projects of energy saving and of renewable energy (photovoltaics and solar thermal) proposed by local governments have been financed with 1,9 million Euros. 15 projects of small and medium industry have been financed with 2.8 million Euros.

The contributions of the Province will activate a total of 18,5 million Euros of investments.

The CO₂ reduction is estimated in 2400 tons/year



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(Promoting renewable energy)

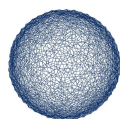
Installation of photovoltaic panels on school buildings

We will render public within December a tender on project financing for the installation (with no cost for the provincial administration) of photovoltaic panels on 301 schools managed by us.

Total investment: 23,7 million euro.

Yearly production of electric energy: 869,5 MWH/year

The CO₂ reduction is estimated in 3300 tons/year



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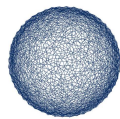
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(Promoting renewable energy)

Among the project under way there are:

- Presentation of a CO₂ Inventory in February of 2010 elaborated with ECORegion in collaboration with Climate Alliance Italy
- A campaign in favour of the Covenant of Mayors with the 121 cities and towns of the Province of Rome
- A program of public private partnership on supporting energy saving, renewable energy and energy efficiency in heating and a program of financial support for the citizens



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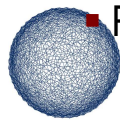
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2. Sustainable Mobility

We intend to contribute to a network of a sustainable infrastructure with investments in mobility on rails, in alternative mobility and in the reduction of traffic

11 corridors for public transport

- Speeding-up public transport by eliminating crossing with streets, acquisition of new trains, construction of 26 parking places "Park & Ride"
- Construction of bicycle lanes
- Acquisition of electric bicycles and cars
- Reduced tickets for students and low-income persons



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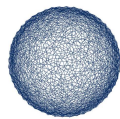
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3. Sustainable Public Administration

- A comprehensive program of Green Public Procurement
- Ecological modernisation of the vehicle pool (from gasoline and diesel to methane lowering the CO₂ emissions by 25 grams/km)

In collaboration with the Clinton Foundation energy audits in the building stock of the Province



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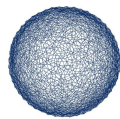
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4. Waste reduction and separate garbage collection

By 2011 we want to reach 1 million citizens by supporting cities and towns financially that introduce separate garbage collection, rendering the existing services more efficient, financing organic waste composting and intensifying controls.

613 thousand inhabitants will participate in 2010 in the separate door-to-door waste collection. In 2008 the number was 28 thousand.



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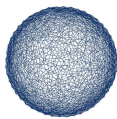
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(Waste reduction and separate garbage collection)

We have financed 35 centres for separate waste collection and four composting areas for a total of 8,2 million euro.

The Province of Rome has concluded agreements with the big distribution chains for the reduction of waste and the use of biodegradable shopping bags.

Acquisition of 11.500 composting bins to be distributed to villas and single houses for the treatment of organic waste.



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5. Territorial Planning

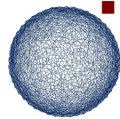
- Polycentric sustainable development of the metropolitan area of Rome

6. Water Saving and Water Quality

- Investments of more than 400 million Euros in the fresh-water and waste-water net

7. Biodiversity and Forests

- Organisation of a short supply chain for wine and Zero kilometre products, of local markets and supply and demand networks
- Reforestation measures in collaboration with “Parchi per Kyoto” Onlus



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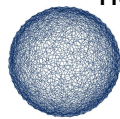


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Conclusion

For the Province of Rome the only path towards sustainable development is a comprehensive climate strategy. We are going forward to meet the Seven Challenges with a firm political will. We are convinced that any post-2012 commitment will need the contribution of local and regional administrations if it wants to meet the challenge of a global sustainable future. What is needed now are clear goals and a fair distribution of rights, resources and burdens between nations and within nations so that we can all go forward together.



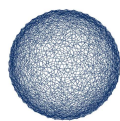
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