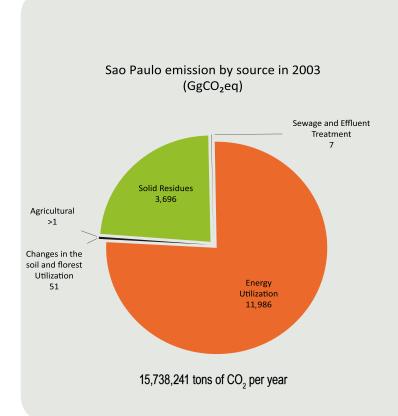
Global Warming A matter of life

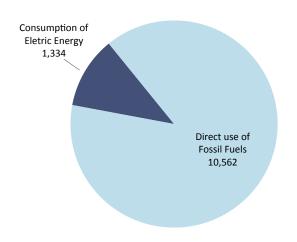


In January 2005, when the current administration took office for the first time, two important decisions were taken, which have designed our policies on climate change since then:

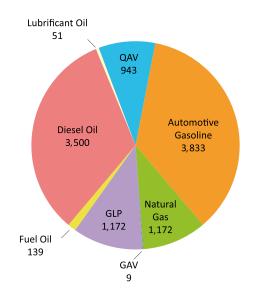
- » Recognizing climate change as the most serious economic/social/environmental challenge for the human being in the 21st century
- » Considering the changes in the way of living, socializing as well as in the production and consumption models as a cultural issue. Who wants to change the others, will have to act first in their own home.

In 2005, the Inventory of Green House Gases Emissions of the City of Sao Paulo was concluded. This is the crucial diagnosis that sustains action in a precise and conscious way.

Emissions Regarding the use of energy by the direct consumption of Fossil Fuels and Eletric Energy in the Municipality of Sao Paulo (GgCO₂eq)



Sao Paulo emission by source in 2003 (GgCO₂eq)



Comparison between total emissions and emissons per inhabitant in Sao Paulo

	National Emissions (1994)	Emissions of Sao Paulo City (2003)	Emissions of Rio de Janeiro City (1998)
Population	157,290,000	10,710,997	5,633,407
Total Emissions (t CO _{2eq})	1,289,406,000	15,738,241	12,798,000
Total Emissions Per inhabitants (t CO _{2 eq})	8.20	1.47	2.27
Emissions Generated by the energy Usign (t CO _{2eq})	244,926,000	12,034,061	8,066,000
Emissions per inhabitants regarding the energy usign (t CO _{2eq})	1.56	1.12	1.43

Note: This table is merely illustrative

Mitigation Efforts Reducing GHG Emissions



Waste Management

- » Methane collection in Bandeirantes and Sao Joao Municipal Landfills
- » Installing two power plants that transform methane in electric energy that supplies 700 thousand inhabitants in the city. The second power plant was installed in Sao Joao landfill in January 2008 and it is the largest of its kind in the world
- » Receiving Carbon Credits by the United Nations Framework Convention on Climate Change (UNFCCC). Two Public auctions, in 2007 and 2008, collected 70 million reais (26 million Euros), which have been invested mainly in social and environmental projects developed in the areas surrounding the landfills



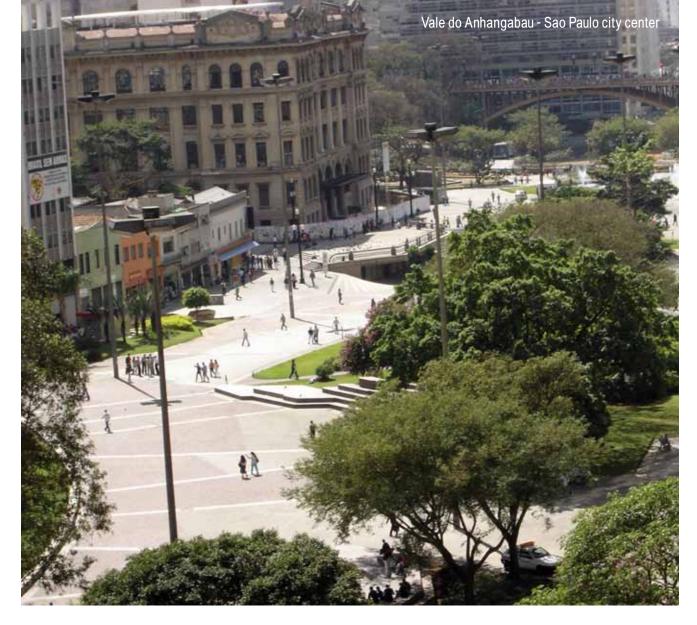
Center for social-environmental capacity building: project financed by Carbon Credits

Examples of projects that are being developed

- » Implementation of Perus Linear Park
- » Implementation of Center for Capacity Building in Social-Environmental Area (asylum center for wild animals, vivarium and school for wood works)
- » Implementation of Squares
- » Urban, social and residential interventions
- » Installing of eco-points and rubble disposal withdrawal







Urbanism

The Municipal Secretariat for Environment brings to Sao Paulo the concept of compact city. It is a program for redevelopment / revitalization, energy efficiency and culture of peace. It aims at recovering the city center, which is under inoccupation process, and its expansion through a rational and multi-classicist way. The project intends to avoid the city scattering to spring areas and environmental reserves, which have been occupied lately.





Vehicle Inspection

This is the first municipal program in Brazil, which has begun in 2008. It was implemented progressively and will reach the whole fleet (6 million vehicles) in 2010.

The program reduces the pollution caused by gases that harms human health (representing about 1.5 year of loss in the population's life expectance); and it is also a program for energy efficiency.

The regulated vehicles consume less fuel and therefore emit less GHG gases.

Following the example of Sao Paulo, the inspection will be extended to the rest of Brazil as a decision of the National Council for Environment.









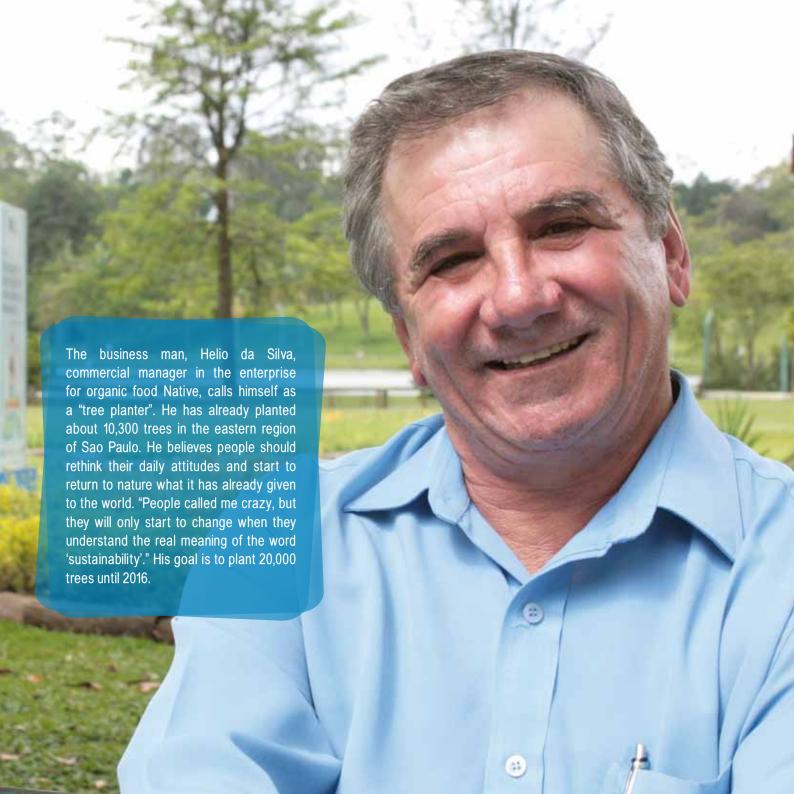


Transport

The goal is to increase the public transport in quantity and in quality. It is a program for energy efficiency in order to reduce oil consumption (GHG emissions source). It is a cooperative work with the government of the state of Sao Paulo:

- » Metro expansion and modernization of train service
- » Bus fleet renovation
- » Bus Corridor
- » Stimulating bicycle as a mean of transport.
- » Trolebus (electric bus)
- » Accessible sidewalks





Afforestation

Project "Greener Sao Paulo"

In 2006, the Program for Municipal Afforestation was created in Sao Paulo. Between 2005 and 2009, more than 600,000 new trees were planted in the city. This means that nearly 40% of the carbon emissions, caused by the activities of public institutions in Sao Paulo, were neutralized.

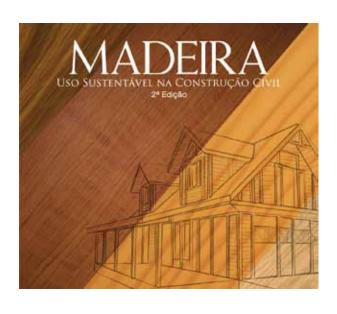


Sustainable purchasing

The City Hall and the governments of the states of Sao Paulo and Minas Gerais, supported by the British Embassy and ICLEI (Local Governments for Sustainability), have initiated a program of systematic study for their purchasing, aiming at a more sustainable behavior.

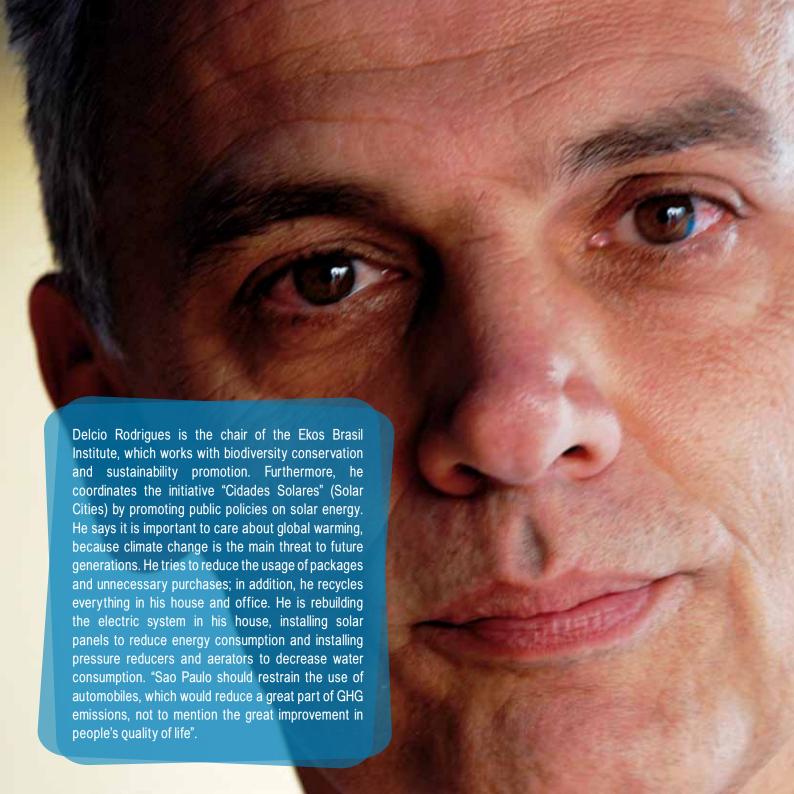
The most striking result is the commitment to use legal wood in order to combat the Amazon's deforestation. It was initially signed in 2005 between Sao Paulo city and the NGO Greenpeace Brazil. It was later extended to the government of the state of Sao Paulo, more than 40 cities and many institutions such as WWF-Brasil, Sindicato da Construção Civil de Grandes Estruturas do Estado de São Paulo (Union of the civil construction of large structures in the state of Sao Paulo), Associação Brasileira dos Escritórios de Arouitetura (Brazilian Association of Architecture Bureaus), Conselho Brasileiro de Construção Sustentável (Brazilian Council of Sustainable Construction), Sindicato das Empresas de Compra, Venda, Locação e Administração de Imóveis Residenciais e Comerciais de São Paulo (Union for enterprises of purchase, sale, rent and management of residential properties in Sao Paulo) etc.





Solar Bill

The city of Sao Paulo was also the first city in the country to approve a law supporting the use of solar energy (Bill number 14,459; 3rd of July 2007). According to a forecasts made by Solar Cities, if a building with 20 floors, housing 80 apartments with 4 people living in each apartment, adopts the solar heating system to supply 40 % of its annual demand for hot water, it will avoid the emission of 10 tons of CO₂ per year.



100 parks

In 2005 the city of Sao Paulo had only 34 municipal parks (15 million square meters of protected area). The number was raised to 48 parks in 2008 (24 million square meters) and the goal is to achieve 100 parks by 2012 (50 million square meters).















Fogo Park



Examples of how it is possible to act

Linear parks

The main threats to Sao Paulo are the extreme climate events, specially the urban floods.

The city currently has more than 20 linear parks under construction, aiming at combating floods, and recovering areas under environmental protection as well as promoting leisure activities for the population who live in the surrounding areas.





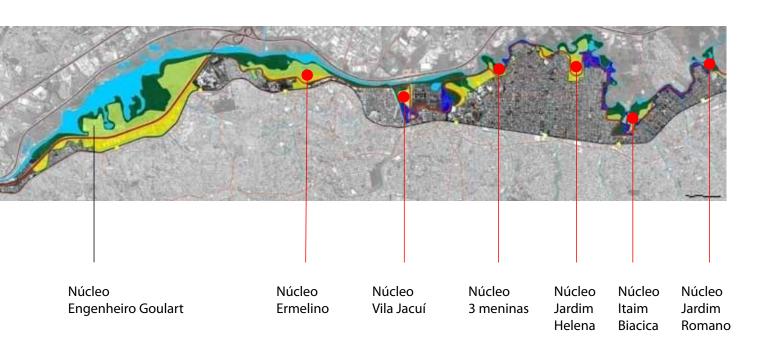
Varzea do Tiete Linear Park

It is the most important adaptation action to Climate Change in Sao Paulo. It aims at expanding green areas, increasing the soil absorbing capacity to preventfloods, installing proper sanitation, promoting residential programs to move the population living in high risk areas to safer neighborhoods and creating leisure, sports and cultural areas.

The park is being built with the support of the state government, as an environmental offset to the reconstruction of Marginal Tiete, an important highway along Tiete River.

Clean Stream

In cooperation with the state government, this project aims at cleaning streams and rivers in the city. 50 of those have already been cleaned and other 50 are in place.



Municipal Policy for Climate Change (Bill Number 14,933)

The Bill was approved unanimously in the Municipal House of Representatives, in 05th of July 2009 (the day for the Environment), after one year of discussion. It establishes as a goal the reduction of 30% in GHG emissions in the city until 2012. Although the objective seems to be ambitious, since 2005, Sao Paulo has reduced about 20% of its emissions as a result of the implementation of two biogas stations in Bandeirantes and Sao Joao landfills.

The law establishes:

- » Public transportation as a priority
- » Support to the use of means of transportation with lower emission of pollutants
- » Appropriate times for cargo storage and monitoring in the night period
- » Progressive reduction on the use of fossil fuels
- » Compulsory programs for recycling and waste collection
- » Establishing of standards for energy efficiency, environmental sustainability and efficient use of materials in the building sector
- » Adapted actions to combat flood
- » Compact city



A municipal committee was created in order to manage programs and actions that enable the accomplishment of the Policy for Climate Change in the city. Now regulated by the law, this group is a more recent and improved version from a previous committee established in 2006.

Public Sector (Represented by the corresponding secretaries)

Municipal Secretariat for Urban Development - Chair

Municipal Secretariat for Environment

Secretariat for Municipal Government

Municipal Secretariat for Finance

Municipal Secretariat for Urban Infrastructure and Work

Municipal Secretariat for Education

Municipal Secretariat for Transport

Municipal Secretariat for Housing

Municipal Secretariat for Health

Municipal Secretariat for Services

Municipal Secretariat for International Relations

Secretariat for Sanitation and Energy of the state of Sao Paulo

Organizations and Institutions (one representative per entity)

Local Governments for Sustainability (ICLEI)

Federation of Industries in the State of Sao Paulo (FIESP)

University of Sao Paulo (USP)

State University of Sao Paulo (UNESP)

National Association for Automobile Producers

Greenpeace

National Association of Public Transport

Union for Industry of Civil Construction in the state of Sao Paulo (Sinduscon)

Enterprise's Union for Purchase, Sale, Rent, Management and Administration

of Residential and Commercial Properties in Sao Paulo (Secovi)

Central Force Union



United for Action

- » Local Governments for Sustainability (ICLEI) = Sao Paulo is part of the Executive Committee since 2006
- » Climate Leadership Group (C40 Cities) = Sao Paulo is an Executive member since 2008
- » National Association for Environmental Municipal Institutions of Brazil (ANAMMA) = Sao Paulo was nominated, in 2009, to coordinate the new ANAMMA Secretariat for Climate

Environmental Education

Charter of the Earth

Development of the program Charter of the Earth Diffusion in the municipal education network. Promoted in 800 schools.

Program Healthy and Green Environments

It aims at strengthening the relation between environmental, health and social development sectors, with a multidisciplinary focus on health and environment. About 5,000 health and social protection agents were trained and approximately 700 projects are under development along with the Municipal Secretariat for Health.

Regional Councils

Regional Councils for the Environment, Sustainable Development and Culture of Peace are being elected based on the 31 district administrations within the city. It facilitates the population's participation in debating and constructing municipal environmental policies.







I am not made of plastic

It is a permanent campaign, launched in 2007, for the responsible use of plastic bags. It stimulated independent campaigns developed by supermarkets and stores aiming at offering their own options to disposable plastic bags. Other cities, motivated by the impacts of the campaign promoted by Sao Paulo, developed similar initiatives.



Meat-free Monday

The Municipal Secretariat for the Environment and the Brazilian Vegetarian Society launched, in October 2009, the campaign "Monday without meat", with the purpose of motivating people to not consume meat at least one day a week, bringing benefits to the planet and to their own health. The cattle farming is responsible for nearly 18% of total GHG emissions. Furthermore, the campaign aims at turning routine meals more diverse, as it invites people to "forget" meat at least one day a week, and try other kinds of food and recipes.





Mobilization for Climate

Two municipal meetings for Climate Change have been promoted, bringing information to a very diverse audience.

Focusing on transportation issues, the City Hall promoted the event "Challenges to Sustainable Transportation in the City of Sao Paulo". It gathered representatives from the municipal government and the main car producers that work on alternative energy sources for automobiles.

The Municipal Conference for Health and Environment had the objective to achieve a more specific audience comprising agents and advisors in the health-care area. At this event, Climate Change issues were also debated.

The City Hall supports the climate agenda of several organizations, such as the campaigns "Tic-Tac", "You are what you eat", both developed by Greenpeace Brazil and others.

Other multidisciplinary activities will be held in the next few months, spreading information among the most diverse sectors. The accomplishment of 30% reduction of GHG in the city's emissions depends mostly on change of habits. Those are practical examples that Sao Paulo is going to take to the Copenhagen Summit in December 2009.

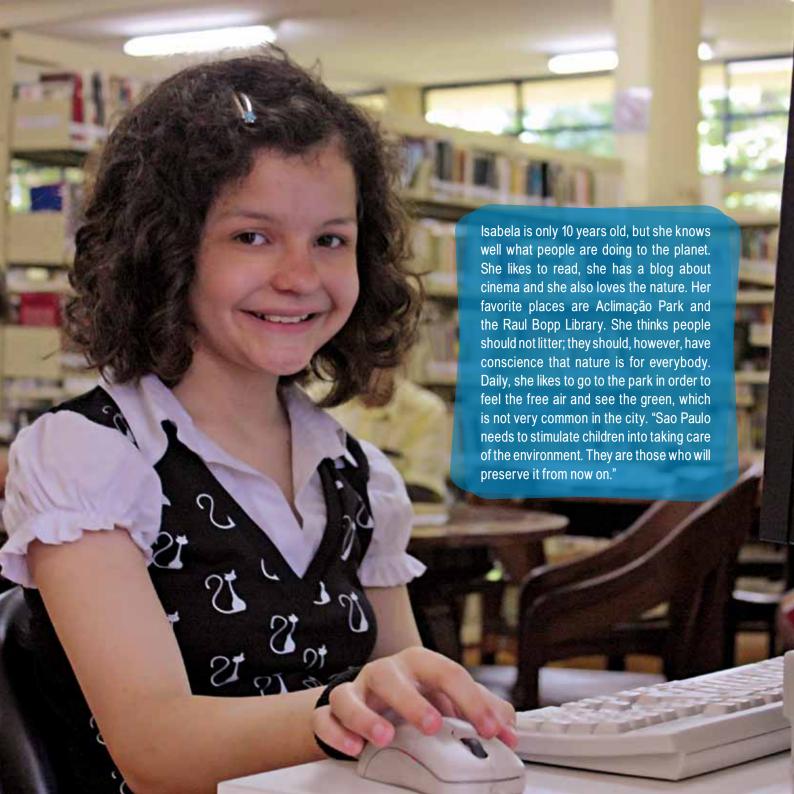




Mahatma Gandhi used to say that we must be the change we want to see in the world. In order to talk to students, housewives, workers, functionaries, businessmen, farmers, other municipal governments and governments of other states, we need to get our part done.

Sao Paulo will act with the purpose to turn the Copenhagen Summit (COP-15) into a successful meeting regarding technical resolutions, policies and solidarity between nations, in order to enable the survival of our species and the others that coexist with us on Earth.





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Advisor for the Cabinet and Executive Secretary of the Committee for Climate Change and Eco-economy Volf Steinbaum

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