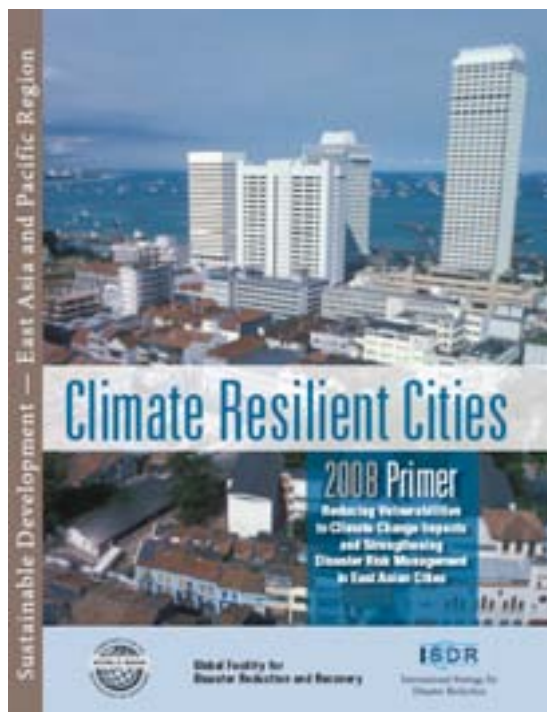


Green Cities Launch Event : A Primer on Climate Change Impacts and Disaster Risk Management in Urban Areas in East Asia



Session 7 – Guidance from the Primer: From Strategy Development to Action – Investing in Resilience

Milan – Climate change mitigation Investments

Federica Ranghieri, World Bank

14 July 2008, Pattaya



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Milan

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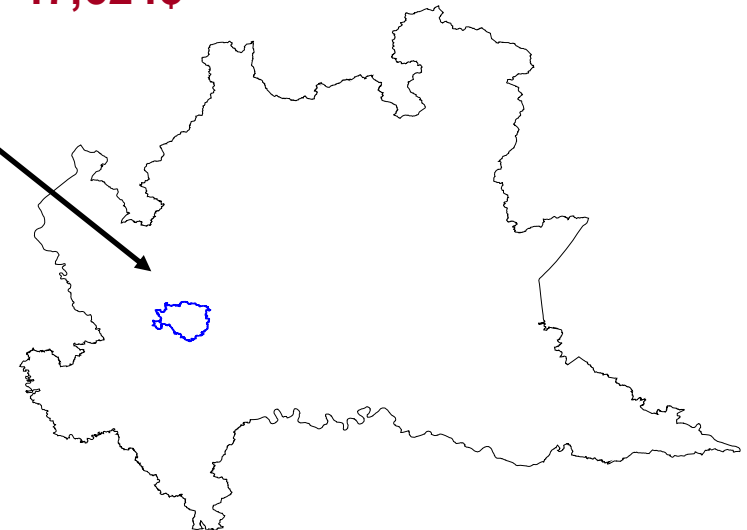


Area: 181.76 km²

Inhabitants: 1.308.000

Population density: 6,988 people/km²

GDP percapita (2006): 30.629€ - 47,624\$



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Agenda

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- GHG emissions
- Mitigation targets
- New initiatives
- Expo 2015
- Expo 2015 CC action plan



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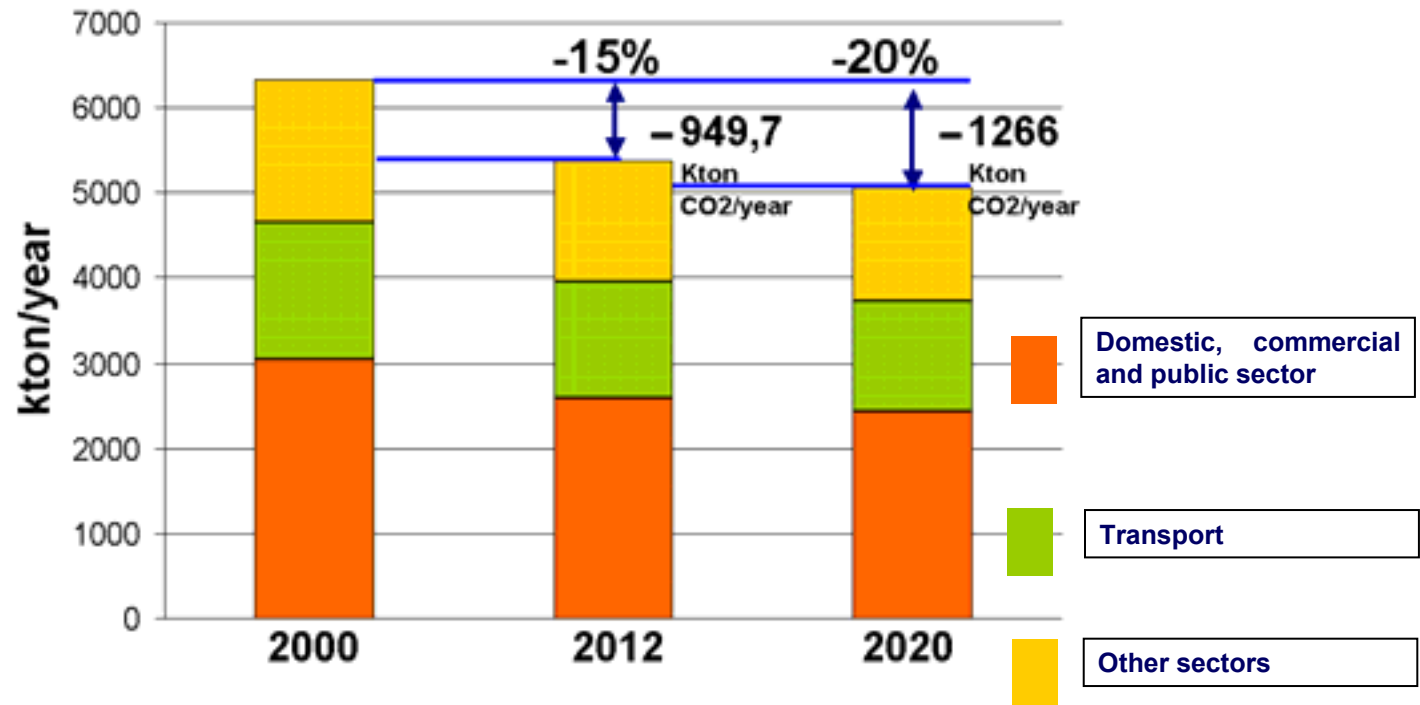


GHG emissions

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Greenhouse gas emissions in the Municipality of Milan in 2005 amounted to 5,803.47 kilo-ton of carbon dioxide (CO₂).



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The Mitigation Plan

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- **Building sector:** incentives for energy efficiency and renewables, energy performance certification, cogeneration and district heating.
- **Transport sector:** public transport improvement, new underground lines and extension of existing ones, pollution charge (ECOPASS), mobility management measures, promotion of sustainable mobility systems, promotion of bicycle use, low impact fleets development.
- **Sustainable management of utility services:** separated waste collection, waste to energy incineration of not recycled waste.
- **Forestation :** 500.000 new trees.
- **International Cooperation:** CDM projects in developing countries



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New measures for mitigation

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Ecopass is a pollution and congestion charge that came into effect on January 2, 2008. It is designed to restrict access to the central *Cerchia dei Bastioni* area of Milan by charging the vehicles that pollute most heavily.

Ecopass Project aims to:

- **Make the air cleaner by reducing particulate matter emissions in the Cerchia dei Bastioni by 30 percent, with a positive fallout on the surrounding areas of the city as well;**
- **Relieve congestion by reducing the number of incoming cars by 10 percent and thereby speeding up public transport in the area;**
- **Boost public transport by reinvesting all Ecopass charges in sustainable traffic and a sustainable environment.**



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EXPO 2015

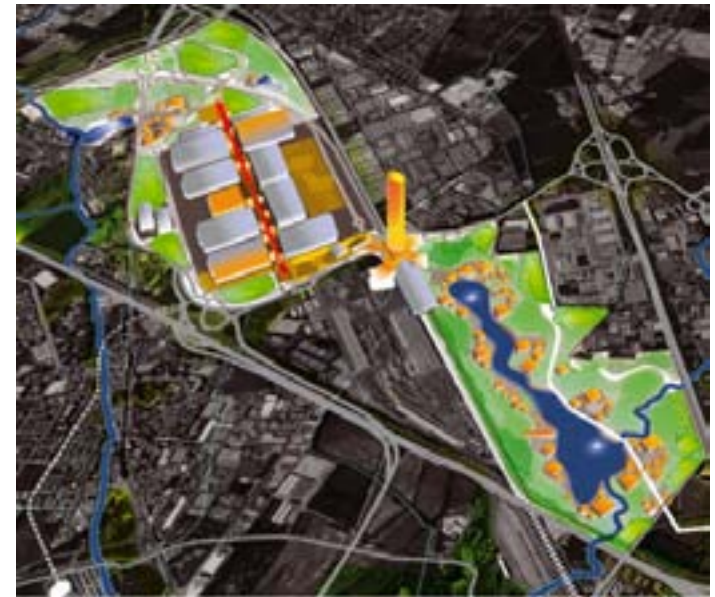


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The event will take place in the new Fiera Milano Exhibition Centre.

Green areas and new buildings will be located in the surrounding areas and the whole city will be deeply involved and transformed by the event.



Surface Area: 1,100,000 mq

Number of estimated visitors: 29,000,000 and 160,000 daily

Financing: 4,1 billion



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New Trade Fair

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THE NEW TRADE FAIR

Surface area: 2,000,000 m² - Exhibition area: 530,000 m²



**Designer:
Massimiliano
Fuksas**

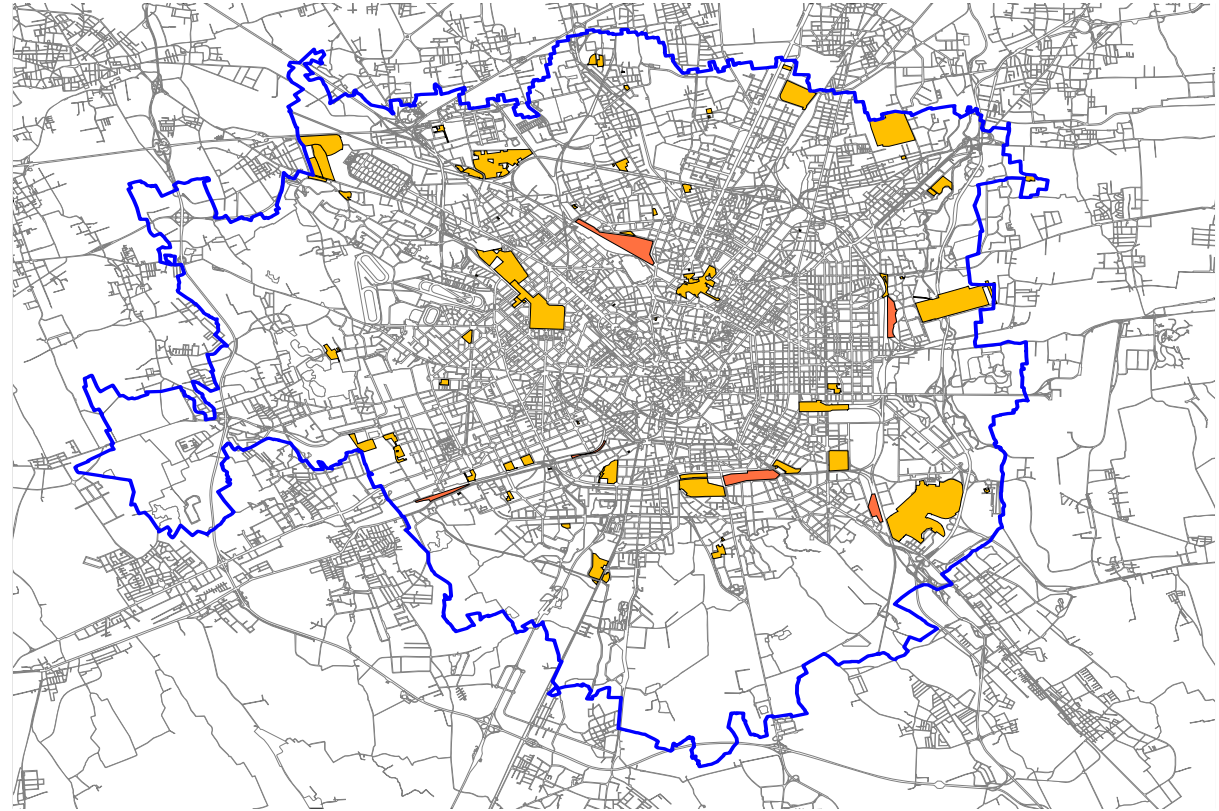


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2015 - Key transformation areas

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EXPO 2015



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Expo's sustainability strategy is primarily based on the ***integrated use of a set of innovative tools and locally coordinated actions***, used to enforce national and EU Environmental and Energy Policies:

- Prevention principle** – organising the EXPO and all its related activities according to environmentally friendly and sustainability criteria right from the bidding phase;
- Strategic planning and management** – defining environmental objectives and targets to be pursued during the organisation and management of the event;
- Stakeholder involvement** – working in close cooperation with all the stakeholders involved in the event;
- Environmental monitoring and reporting** – checking the event efficiency both in terms of the environment and energy efficiency.



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EXPO 2015



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The set of instruments, indications and technical solutions applied in the planning, organisation and management of the Expo will give concrete expression to the principles at the basis of Italian and European environmental policies:

Eco-Management and Audit Scheme (EMAS)

- Strategic Environmental Assessment (SEA)
- Green Public Procurement
- Sustainable design and management of buildings and facilities
- Environmental Review Board
- Sustainability Reporting

The goal is to ensure the sustainability of the event throughout its life cycle: candidature, planning and design, operation and management, closure and post-event activities, thus guaranteeing a long term positive legacy.



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EXPO 2015



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Climate Change Action Plan

- **Targets its own reduction path to 20% by 2020 of its GHG emissions**
- **Develops Kyoto Protocol mechanisms referees, methodologies, guidelines and training sessions**
- **Implements CDM and tests innovative PCDM in developing countries**
- **Finds partnering cities to develop climate change mitigation programs**
- **Offsets its own emissions (EXPO additional emissions included) through the Credits generated by its own projects**



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EXPO 2015



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To match its climate change targets, Milano will implement additional measures:

- **Kyoto Mechanisms Development: CDM, PCDM and JI projects will be developed and implemented with cities in developing countries**
- **CDM Guidelines and training: will be developed Guidelines for CDM Feasibility study and project cycle documentation. Will be held training sessions in Italy and in Developing Countries, also through the support to local Carbon facilities**

Milan will invest 52M€ to implement such projects in partnership with other cities and countries in the World.

MoU signed July the 10th 2008 with the World Bank.



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Additional information

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www.comune.milano.it

www.expo2015.it

Thank you!



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