



# Integrated management systems to increase cities resilience to climate change.

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Ancona 14 dicembre 2010



# Questions

- **Who are the key-actors to be involved?**
- **What synergies can and should be made at the local level?**
- **Which actions to be implemented?**
- **How to define the priority sectors?**
- **How to define an Integrated Urban Adaptation Strategy?**



# Climate Change is a cross-cutting issue: many actors and administration sectors need to be involved



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Local Response to Climate Change

# Citizens, first of all

- Educational campaigns to motivate citizens in actions implementation
- Participated planning, ngos experts as input in decisional processes
- Citizens as active drivers (e.g. owners of renewable power stations)



# All departments need to be involved

- **Land use - Mobility - Environment - Education - Health Depts**
- **Public utilities: energy, water, waste, transport green areas...**



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Local Response to Climate Change

# Mayors direct engagement!



# Actions, Synergies

**ACTION: Compact and mix urban structure, public spaces care**

**SYNERGY:**

- Support sustainable mobility patterns and reduce vehicle related emissions,
- Reduce accidents, noise, congestion and create more liveable and safe cities

**ACTION: Green Building codes**

**SYNERGY:**

- Reduce energy demand and related CO2 emissions
- Reduce local pollutant emissions
- Reduce energy costs
- Reduce urban heat island effects



# Actions, Synergies

**ACTION: Creation /conservation of forests, green corridors, public green spaces:**

**SYNERGY :**

- Adapt cities to risk of floods,
- Improve CO<sup>2</sup> absorption local capacity,
- Help to balance the urban microclimate.





# The challenge: Integrated visions



# Integrated actions



# How to define an Integrated Urban Adaptation Strategy?

- **CHAMP** model is based on **EMAS** and **ISO 14001** approaches, integrating **Aalborg Commitments**, and **Covenant of Mayors** issues and guidelines.



# Integrated Management for Sustainability

## Structured approach

- to develop a long-term vision
- to break the vision down to measurable targets
- to develop measures to achieve the targets
- to monitor progress towards targets
- to monitor efficiency of measures
- to involve citizens

## Thereby

- ensuring cost-efficiency of projects and measures
- ensuring timely adjustment of strategies
- ensuring consistency of policies



# How does it work?



# Climate Plans, adaptation strategies

## CHICAGO CLIMATE ACTION PLAN

How Climate Change Affects Chicago

What Chicago is Doing

What Residents Can Do

What Businesses Can Do

Research &...

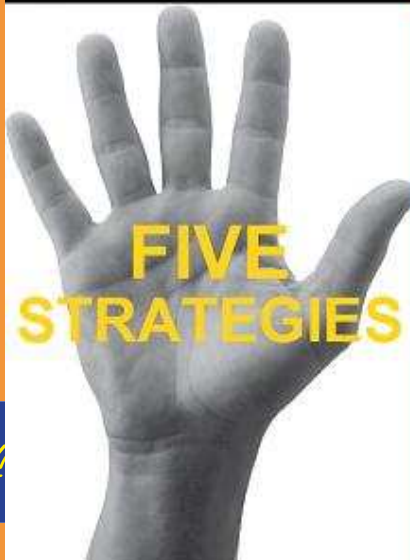


### NEWS & EVENTS

### What is the Chicago Climate Action Plan?

From the start, the charge and scope of the Chicago Climate Task Force was broad and ambitious. Dozens of experts and a nationally recognized research advisor committee

## Chicago Climate Action Plan



### ADDRESSING THE CHALLENGE OF CLIMATE CHANGE

ENERGY EFFICIENT BUILDINGS  
8 ACTIONS

CLEAN & RENEWABLE ENERGY SOURCES  
5 ACTIONS

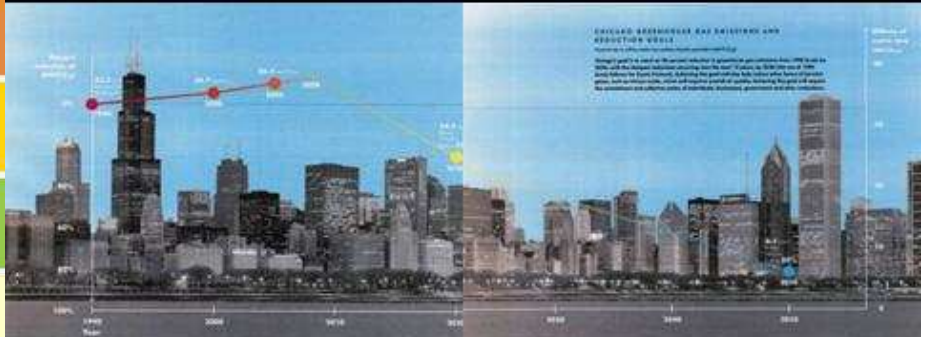
IMPROVED TRANSPORTATION OPTIONS  
10 ACTIONS

REDUCED WASTE & INDUSTRIAL POLLUTION  
3 ACTIONS

ADAPTATION  
9 ACTIONS

=  
35 WAYS  
TO ENSURE A RESILIENT CITY

**TARGET DEL PIANO:** riduzione delle emissioni di CO<sub>2e</sub> del 25% entro il 2020 e dell'80% entro in 2050



### PROGRESS REPORT First Two Years

## CHICAGO CLIMATE ACTION PLAN

OUR CITY. OUR FUTURE.

- page 1 | IMPACT HIGHLIGHTS
- page 2 | MESSAGE FROM THE MAYOR
- page 3 | STRATEGY 1. ENERGY EFFICIENT BUILDINGS
- page 4 | STRATEGY 2. CLEAN & RENEWABLE ENERGY SOURCES
- page 5 | STRATEGY 3. IMPROVED TRANSPORTATION OPTIONS
- page 6 | STRATEGY 4. REDUCED WASTE & INDUSTRIAL POLLUTION
- page 10 | STRATEGY 5. ADAPTATION
- page 12 | ENGAGEMENT
- page 18 | RECOGNITION & PARTNERS



# Che supporto offre CHAMP ?

- Un **pacchetto formativo completo** fruibile on-line
- **Strumenti e programmi intensivi di formazione** messi a punto attraverso il coinvolgimento diretto di autorità locali
- **4 centri di iniziativa nazionali** (in Italia, Germania, Finlandia e Ungheria) per la formazione e il supporto degli enti locali
- Un **Network europeo** di competenze sui sistemi di gestione integrata



# How CHAMP is supporting Local and regional Authorities?

- **by establishing training and knowledge structures:**
  - development of training programme
  - capacity development package
  - national training-hubs
  - training workshops for local authorities, auditors and advisors of local authorities





# How CHAMP will support Local and Regional Authorities?

- **by establishing a European Partnership for practitioners of Integrated Sustainability Management (local authorities, regional authorities, advisors, auditors, trainers...)**
  - **Further development of Integrated Management for Sustainability towards standardization**
  - **Quality control**
  - **Capacity Building**
  - **Advocacy for better conditions for local authorities with IMS in place (incentives)**





Local authorities

Trainers and consultants

Auditors

Multipliers

Introduction » Local authorities » Baseline review



## Introduction to the Climate Baseline Review

Planning the Baseline Review  
Map the local situation  
Evaluate the local situation  
Present the findings



[Edit]



## 1. Introduction to the Climate Baseline Review

What is our city or region's carbon footprint?  
How will the local and regional climate change?  
Which sectors and actors are contributing to this and how much?  
What risks and opportunities will arise from climate change?  
Is the current local and regional management related to climate & energy set up resiliently?  
What legal requirements need to be fulfilled?  
What sectors have opportunities to act – both in climate mitigation and adaptation programmes?  
What priority areas should be focused on?

These are some of the important questions addressed by a Climate Baseline Review. The review aims at creating a solid basis for setting priorities and targets in a city's or region's climate change response. It takes stock of present climate conditions and expected changes and helps to evaluate strengths and weaknesses, risks and opportunities in terms of climate mitigation and adaptation efforts.

The Baseline Review will inform all following steps in the management cycle and allow to set targets and draft a climate strategy – stand alone or as part of the overall Strategic Programme. Furthermore, it will serve as the point of reference when monitoring and evaluating progress achievements, as improvements are only measurable and visible if compared to the 'point of departure' - the baseline.

[BASELINE REVIEW](#)

[DOWNLOADS](#)

[SUPPORT MATERIAL](#)

[GOOD PRACTICES](#)

[FURTHER RESOURCES](#)



# Want to know more?



**Download the Guides  
in English from:**

[www.localmanagement.eu](http://www.localmanagement.eu)



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Local Response to Climate Change

# In ITALY : training programme

Ente Locale	Provincia	Regione	Profilo CHAMP
Comune di Asti	Asti	Piemonte	2 - sperimentatori
Comune di Caltanissetta	Caltanissetta	Sicilia	3 - osservatori
Comune di Capannori	Lucca	Toscana	3 - osservatori
Comune di Cesano Maderno	Monza e Brianza	Lombardia	2 - sperimentatori
Comune di Desio	Monza e Brianza	Lombardia	3 - osservatori
Comune di Firenze	Firenze	Toscana	2 - sperimentatori
Comune della Spezia	La Spezia	Liguria	2 - sperimentatori
Comune di Mantova	Mantova	Lombardia	1 - esperti
Comune di Padova	Padova	Veneto	1 - esperti
Comune di Pavia	Pavia	Lombardia	2 - sperimentatori
Provincia di Bergamo	Bergamo	Lombardia	3 - osservatori
Provincia di Siena	Siena	Toscana	1 - esperti



# CHAMP door is still open to local authorities committed in Climate plans and to local trainers

- **E' possibile aderire al progetto CHAMP**
- **Impegno previsto:** mettere a disposizione del progetto, come caso studio, il proprio Piano Clima (se finalizzato entro giugno 2011)
- **Benefici:**
  - 1 giornata formativa presso l'Ente
  - Partecipazione al network europeo e valorizzazione della propria esperienza in Europa.



# PER INFORMAZIONI

[www.localmanagement.eu](http://www.localmanagement.eu)

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