



ADP2.3 Workshop on pre-2020 ambition:  
urbanization and the role of governments in facilitating climate  
action in cities

**Introductory presentation**

**Raising *Global* level of ambition  
through *Local* climate action**

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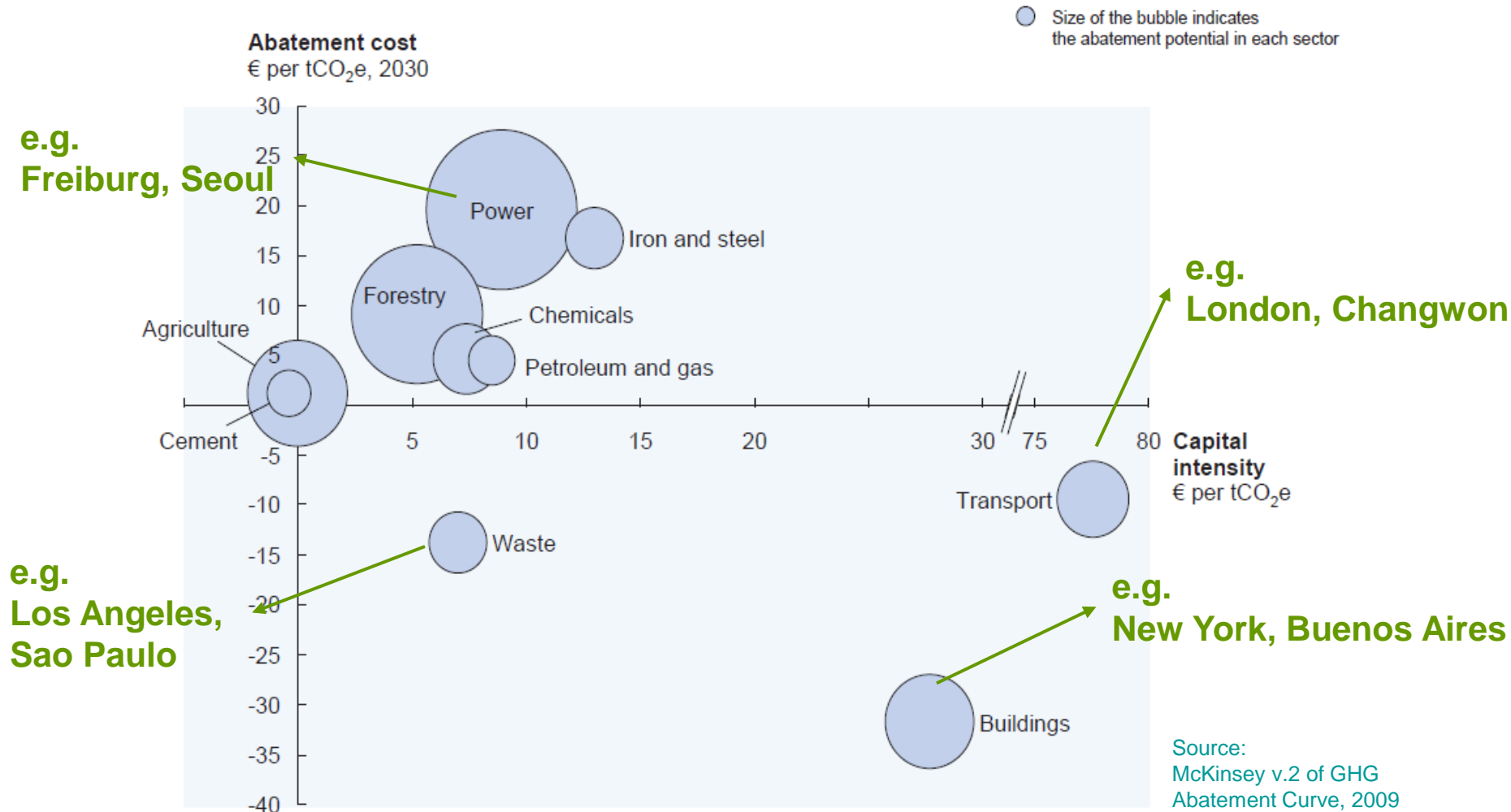
## 3 Core Messages

- **Urbanization:**
  - the right time, the right point
- **Local and subnational governments:**
  - beyond point zero in MRV-able climate action
- **ADP:**
  - seizing the opportunity to scaling-up through engagement in the global architecture



# Cities and climate mitigation : *the art of collecting “Low Hanging Fruits”*

## Capital intensity and abatement cost



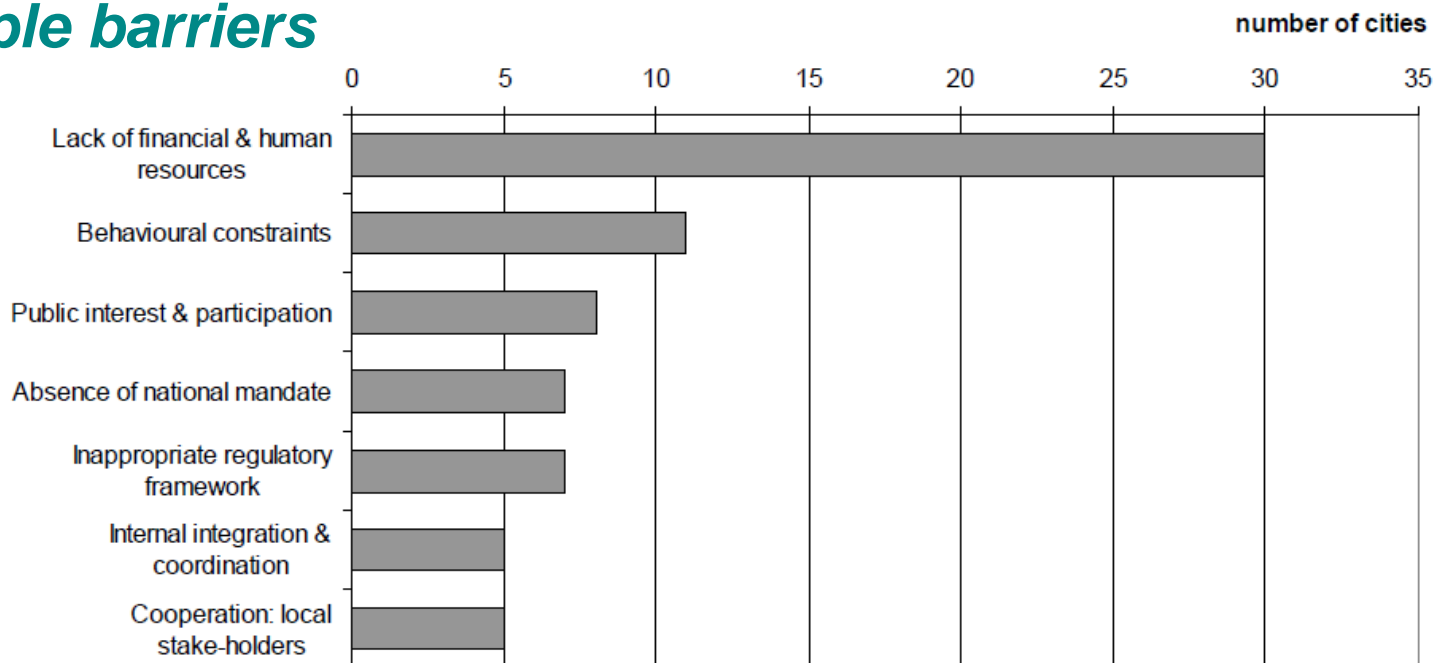
Source:  
McKinsey v.2 of GHG  
Abatement Curve, 2009

## Local governments and climate mitigation :

### Broad options

- **Self-governing** (role model)
- **Governing through enabling** (grants)
- **Governing through provision** (facilities)
- **Governing by authority** (tax)
- **Governing by leadership** (commitment)

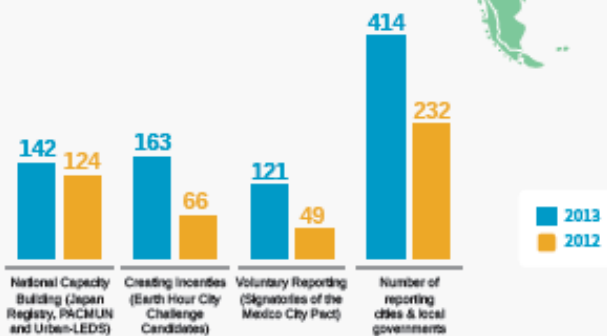
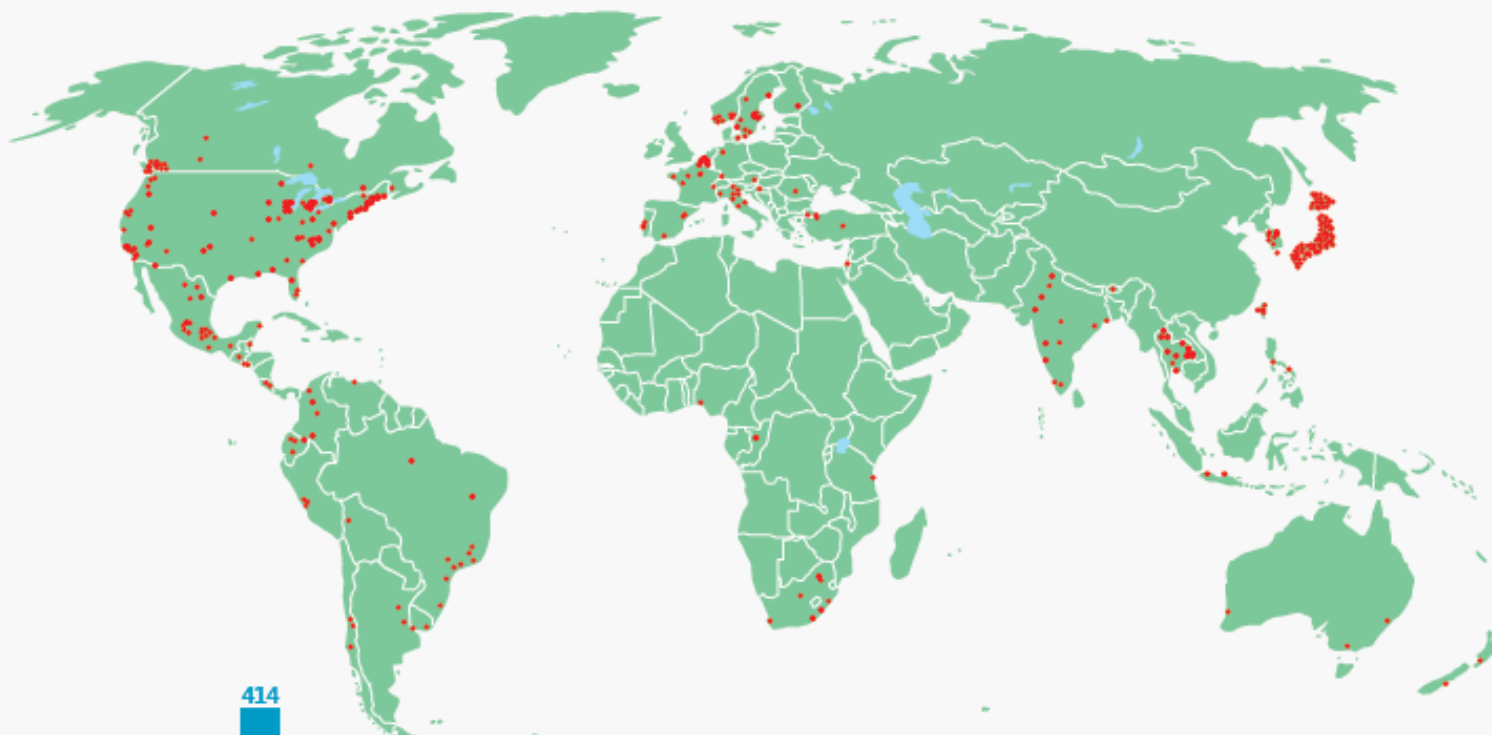
### Multiple barriers



Source: Sippel-IER, 2010



The world's largest global database of local climate action\*  
[www.citiesclimater registry.org](http://www.citiesclimater registry.org)



As of October 2013, 414 cities and local governments, with a population of 438 million people in 45 countries, reported 836 climate and energy commitments, 4,208 mitigation and adaptation actions and 770 greenhouse gas inventories covering municipal operations and community activities that aggregate to an annual GHG emissions of 2.2 Giga tons of CO<sub>2</sub> equivalent.



\*Non-verified data reported to cCCR as of October 2013.  
 \*Figures are based on the latest available inventories and rounded up.  
 \*A local government can be involved in of more than one initiative

# City Climate Report of Nagpur at cCCR: 2 energy commitments, 2 GHG inventories, 6 actions

## City Climate Report: Nagpur Commitments and Performance



## City Climate Report: Nagpur Actions and Action Plans



Nagpur  
Republic of India, Southern Asia  
Population: 2,447,000 (2007-08)  
Territory Size: 217.65 km<sup>2</sup>



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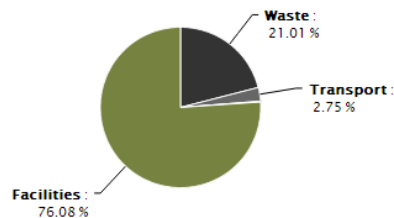


### Commitments

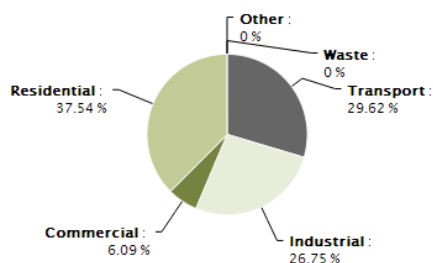
	Government	Community
CO <sub>2</sub> e reduction target:	n/a	n/a
CO <sub>2</sub> reduction target:	n/a	n/a
Carbon intensity target:	n/a	n/a
Renewable energy target:	n/a	n/a
Energy efficiency target:	20% by 2012 (2005)	3% by 2012 (2005)

### Performance

Government GHG Emissions  
Total ( 2007 ) : 121,185 tCO<sub>2</sub>e



Community GHG Emissions  
Total ( 2007 ) : 1,534,552 tCO<sub>2</sub>e



### Mitigation actions

Action Title	Sector	Field	Funding Source	File	Status
Model Solar City Project Approved by Government of India	Waste	Technology Investment	(Sub) National		Completed
Energy Efficient Lighting in Girls' School	Buildings	Technology Investment	International (ODA)		Completed
Solar powered streetlights in NMC premises	Facilities	Technology Investment	Local		Completed
Waste water reuse project in Nagpur	Facilities	Technology Investment	Local		In Progress
Water supply and treatment system audit and implementation of recommendations	Facilities	Technology Investment	Local		In Progress

### Adaptation actions

Action Title	Sector	Field	Funding Source	File	Status
Model Solar City Project Approved by Government of India - Solar	Urban Infrastructure	Technology Investment	(Sub) National		Completed

### Action plans



Towards measurable, reportable, verifiable local climate action

## World's largest global database of local climate action

(analysis based on reported information as of cCCR November 2013 Updates)

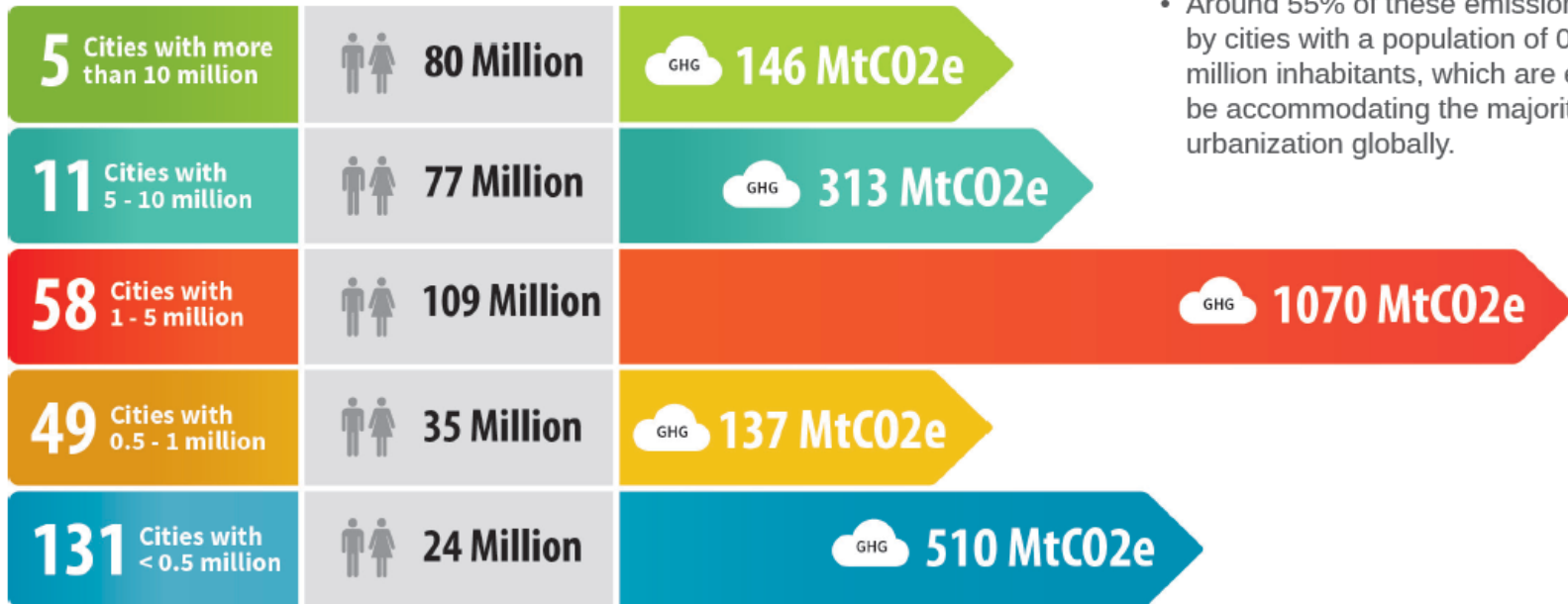


### Performance

CITIES  
(Total 254)

POPULATION REPRESENTED  
(Total 325)

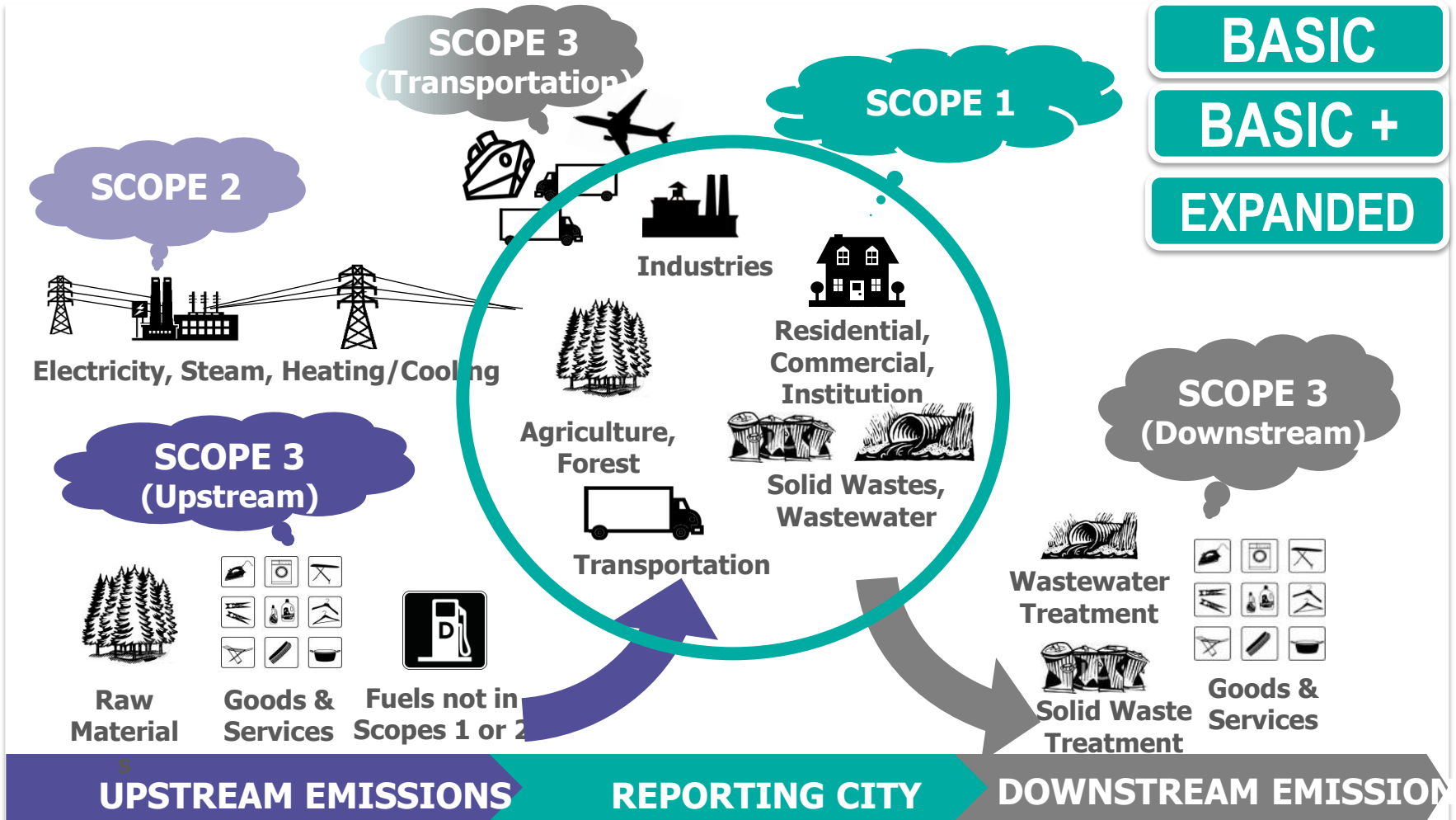
REPORTED GHG EMISSIONS BY  
CITY SIZE (TOTAL: 2175 MtCO<sub>2</sub>e/yr)



- Community GHG inventories of 254 cities with a population of 327 million people indicate an aggregate annual GHG emissions of 2.2 Giga tCO<sub>2</sub>e/yr
- Around 55% of these emissions are reported by cities with a population of 0.5-5.0 million inhabitants, which are expected to be accommodating the majority of future urbanization globally.



# Global Protocol For Community-Scale Greenhouse Gas Emissions (GPC)





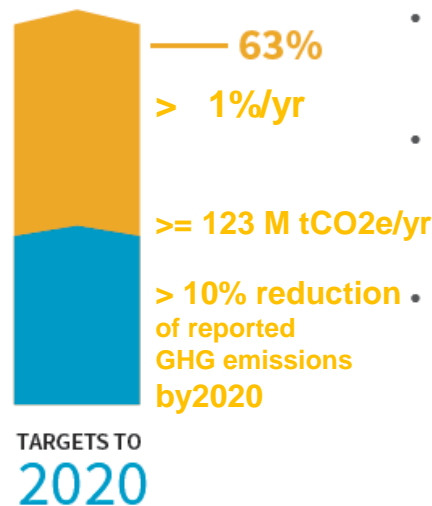
Towards measurable, reportable, verifiable local climate action

## World's largest global database of local climate action

(analysis based on reported information as of cCCR November 2013 Updates)



### Commitments



- 74% of the climate reduction commitments aim to 2020 or an earlier date as the target year.
- 63% of these commitments have a reduction ambition of more than 1%/yr, exceeding the value of even most ambitious national governments under the Kyoto Protocol.
- An aggregate of at least 123 million tCO<sub>2</sub>e/yr GHG reductions can be expected by 2020, based on commitments of 163 cities that are quantified based on their reported community GHG inventories.



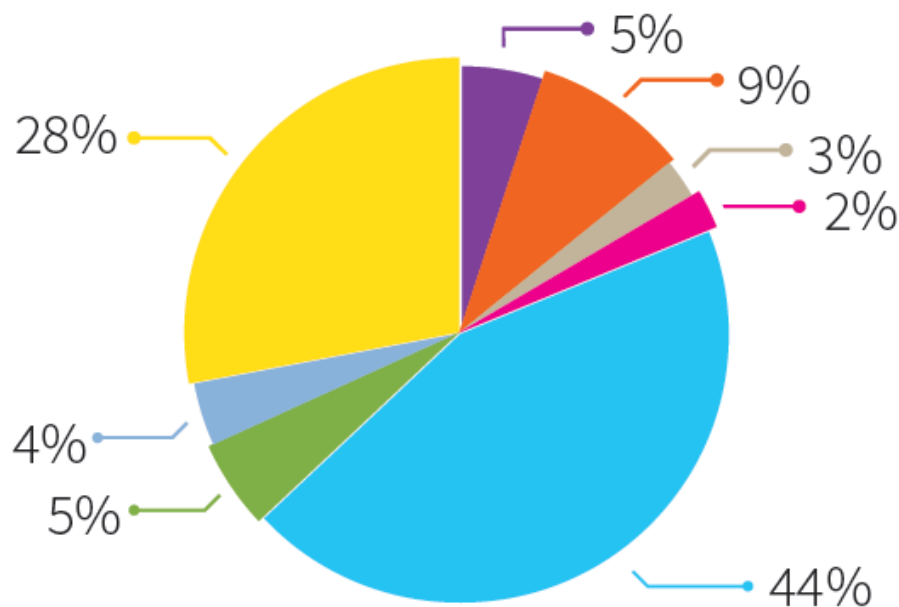
Towards measurable, reportable, verifiable local climate action

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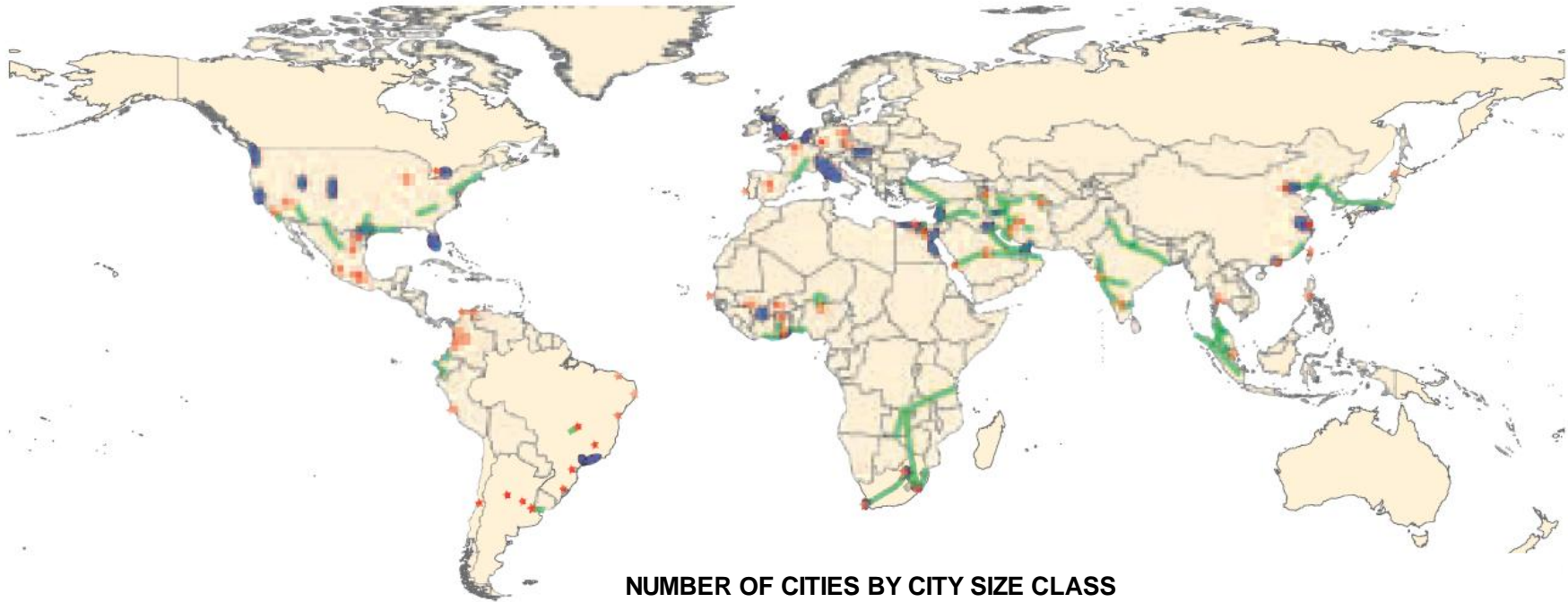
### Actions



- More than 90% of all reported 4,000+ actions are either completed or in progress,
- More than 50% of these actions which are financed by municipal resources.
- Policy/strategy development (45%) and technical/ infrastructure investments (28%) are the most frequently reported actions in 2013 GHG inventories.

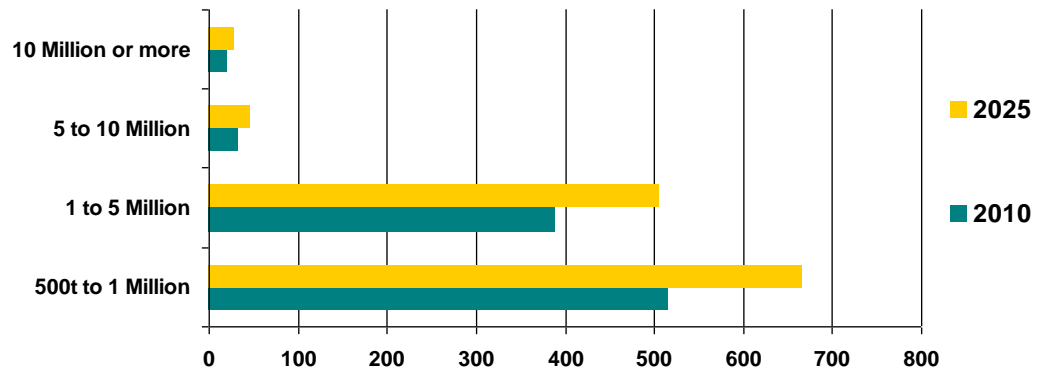
- Assessment / Research
- Education / Awareness Raising
- Fiscal / Financial mechanism
- Organizational / Governance
- Policy / Strategies / Action Plans
- Public Participation / Stakeholder engagement
- Regulatory
- Technical / Infrastructure investment

# Multilevel governance is the key to turn challenges into opportunity in the upcoming new urbanization



**NUMBER OF CITIES BY CITY SIZE CLASS**

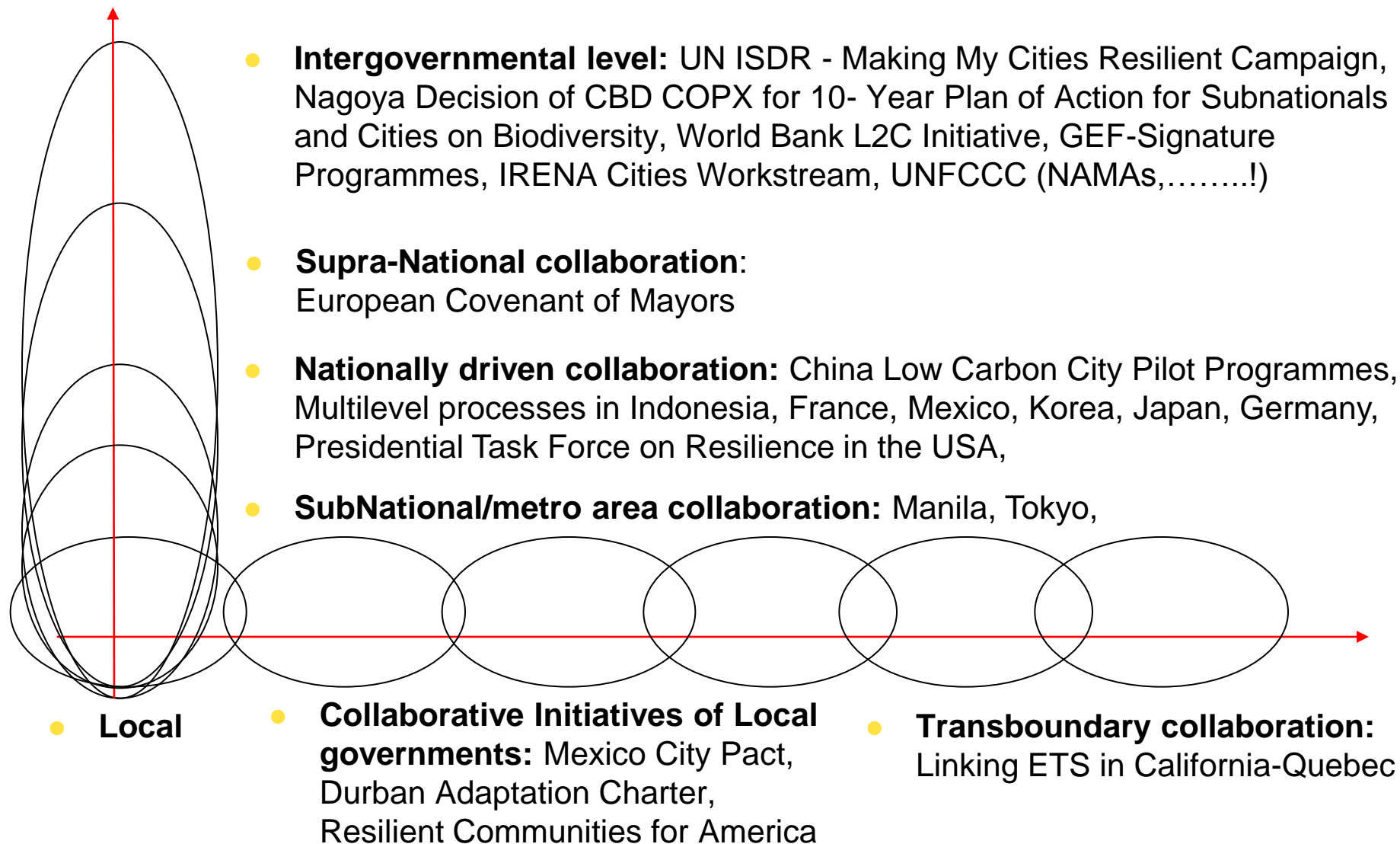
- ★ City-regions
- Urban corridors
- Mega-regions



Source: UN-HABITAT Regional Offices, 2009.

Source: UN-HABITAT, State of the World's Cities 2010/11. Bri

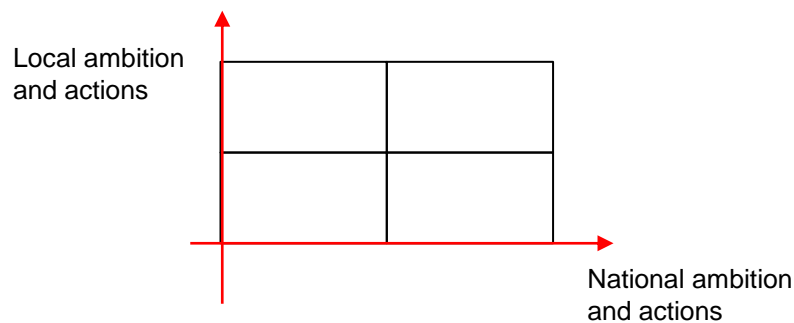
# Vision, Leadership, Transformation, Partnerships multiple levels, multiple processes



## Proposals for ADP – WS2 Processes

- **Preparation of a technical paper by SB40,**

(in particular focusing on para. 20-21 of FCCC/TP/2013/8; incentivising, supporting and vertical integration of ambitions and actions of local and subnational governments as governmental stakeholders, within the national and global efforts)



Pooling a broad range of options  
for different scenarios and conditions

- **Expanding Ministerial-Mayoral dialogues to Ministers of Urbanization/Housing**

- **Facilitation of a 2016-2026 Action Plan for a Decade of Urban Low Emissions Development as a part of Paris 2015 Outcome**

# 21 November Cities Day / #COP19cities

[www.iclei.org/climate-roadmap](http://www.iclei.org/climate-roadmap)

**World Mayors Summit  
on Climate Change 2013**  
27-28 September 2013 | Nantes, France

**Program**


- Paris 2015  
COP21/CMP11
- Lima 2014  
COP20/CMP10
- Warsaw 2013  
COP19/CMP9









**Local Government  
Climate Roadmap** [www.iclei.org/WorldMayorsSummit2013](http://www.iclei.org/WorldMayorsSummit2013)  
#MayorsSummit



**Local Government Climate Roadmap  
Warsaw Dialogues**

[www.iclei.org/climate-roadmap](http://www.iclei.org/climate-roadmap)

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**Featuring  
21 November Cities Day**

