

LEDS GLOBAL PARTNERSHIP

What cities do best - Subnational integration & ideal roles for cities in climate action

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SOME HOUSEKEEPING ITEMS

To ask a question:

- Select the “questions” pane on your screen and type in your question.

Having trouble with the webinar:

- PDFs of the presentations can be accessed at LEDSPG.ORG
- A video/audio recording of this webinar and slide decks will be available

SUBNATIONAL INTEGRATION WORKING GROUP (SNI-WG)

MISSION:

To enhance capacity, capture synergies and improve and support the coordination and vertical integration of low emission development strategies among national and subnational governments.

ACTIVITIES:

- Mapping issues, activities and resources
- Capacity building, training
- Ongoing dialogue

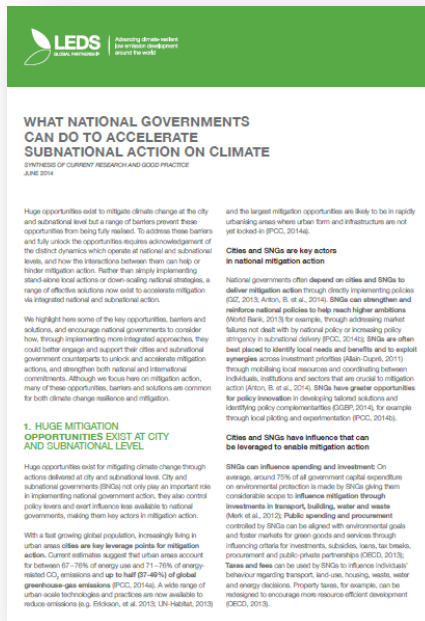
Launched in 2013, the SNI Working Group of the LEDS GP has +100 members including governments, IGOs and NGOs



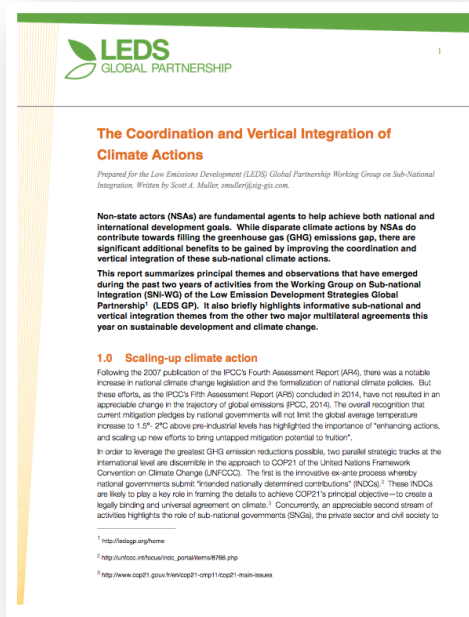
LEARNING: SNI Working Group Resources

- More info -

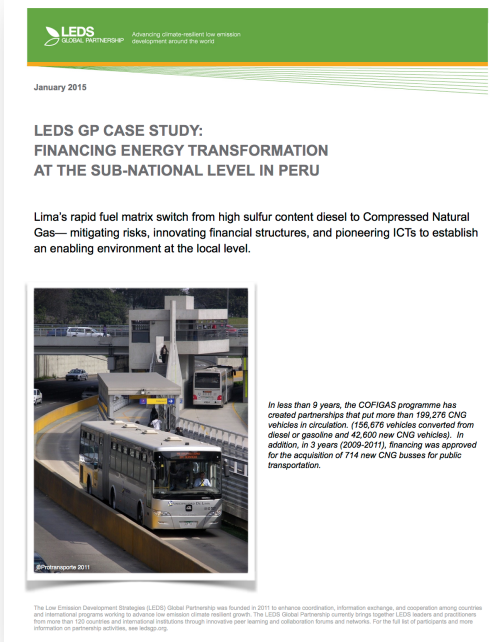
Synthesis of Trends and Good Practice



White Papers - WG Lessons Learned



Case Studies



2016 Flagship Activity: Regional Assessments at the Country Level on the Coordination and Vertical Integration of Climate Actions

- Document innovative and cutting edge subnational LEDS policies and measures across the LEDS LAC and AfL Platforms
- Prepare comprehensive inventory of climate policies and actions linked to multi-level governance.
- Categorize and unpack common challenges
- Identify model programmes and good practices for coordination and vertical integration of climate actions.
- Outline recommendations to national and sub-national governments for future initiatives to improve coordinated and vertically integrated climate policies and actions that accelerate LEDS implementation.



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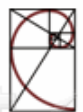
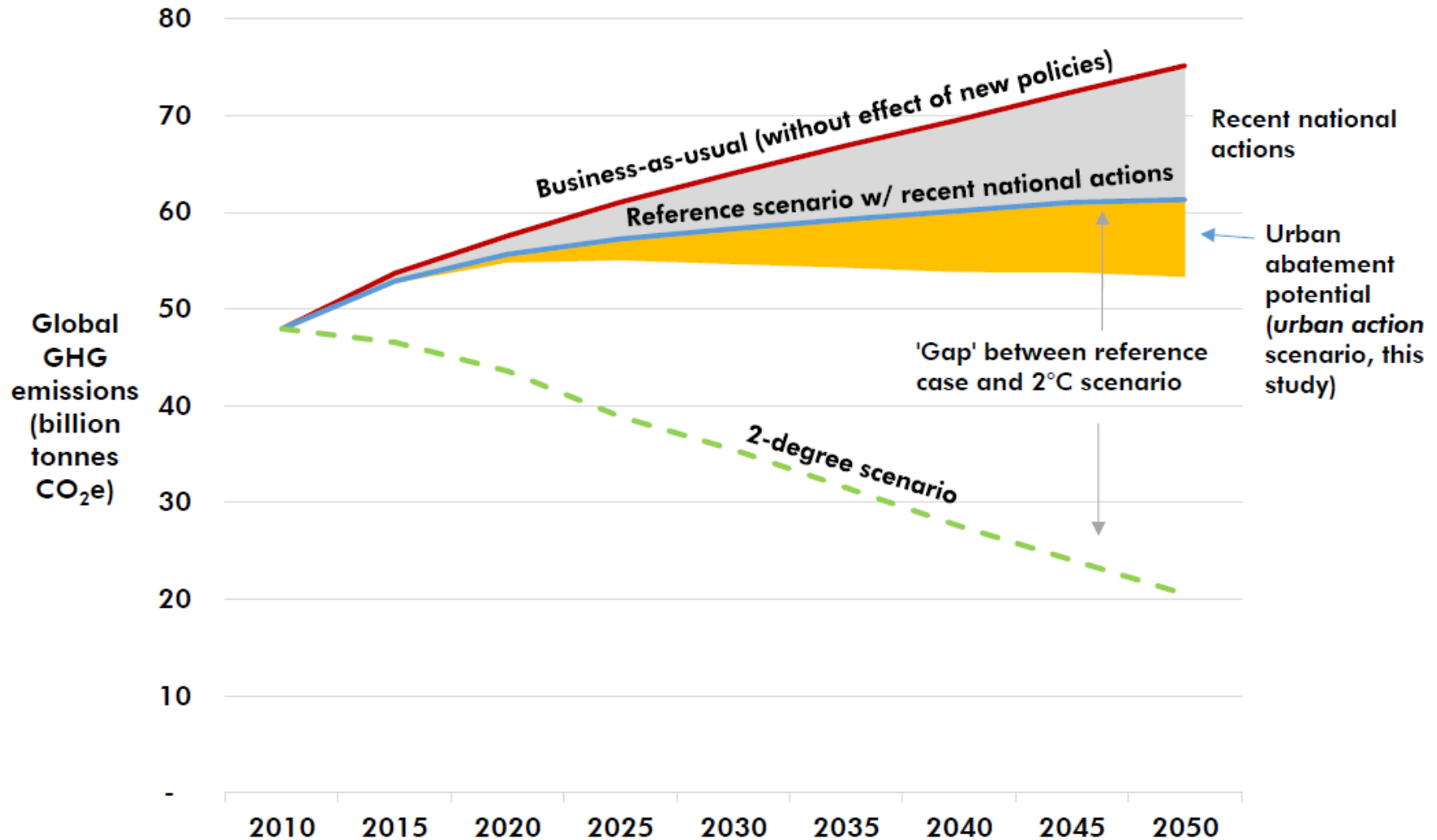


What cities do best: Subnational integration and ideal roles for cities in climate action

Peter Erickson and Derik Broekhoff,
Senior scientists, SEI-US

LEDS Global Partnership, 9 February, 2016

Cities have substantial potential



Outline of presentation

1. Framing the question

Alternate ways to look at the role of urban action on GHG emissions

2. By the numbers

What technologies and practices have the greatest abatement potential (Gt CO₂e) in urban areas, and where?

3. How to maximize the role of cities?

What is the best role for city governments?
For national governments?



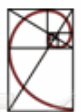
1. Two alternate framings...

1. Cities as leaders, innovators, and exemplars (“lighthouses”)

OR

2. Cities as essential partners, implementers, and administrators (“workhorses”)

- *Both are important roles that can complement each other*
- *Both could benefit from national support*



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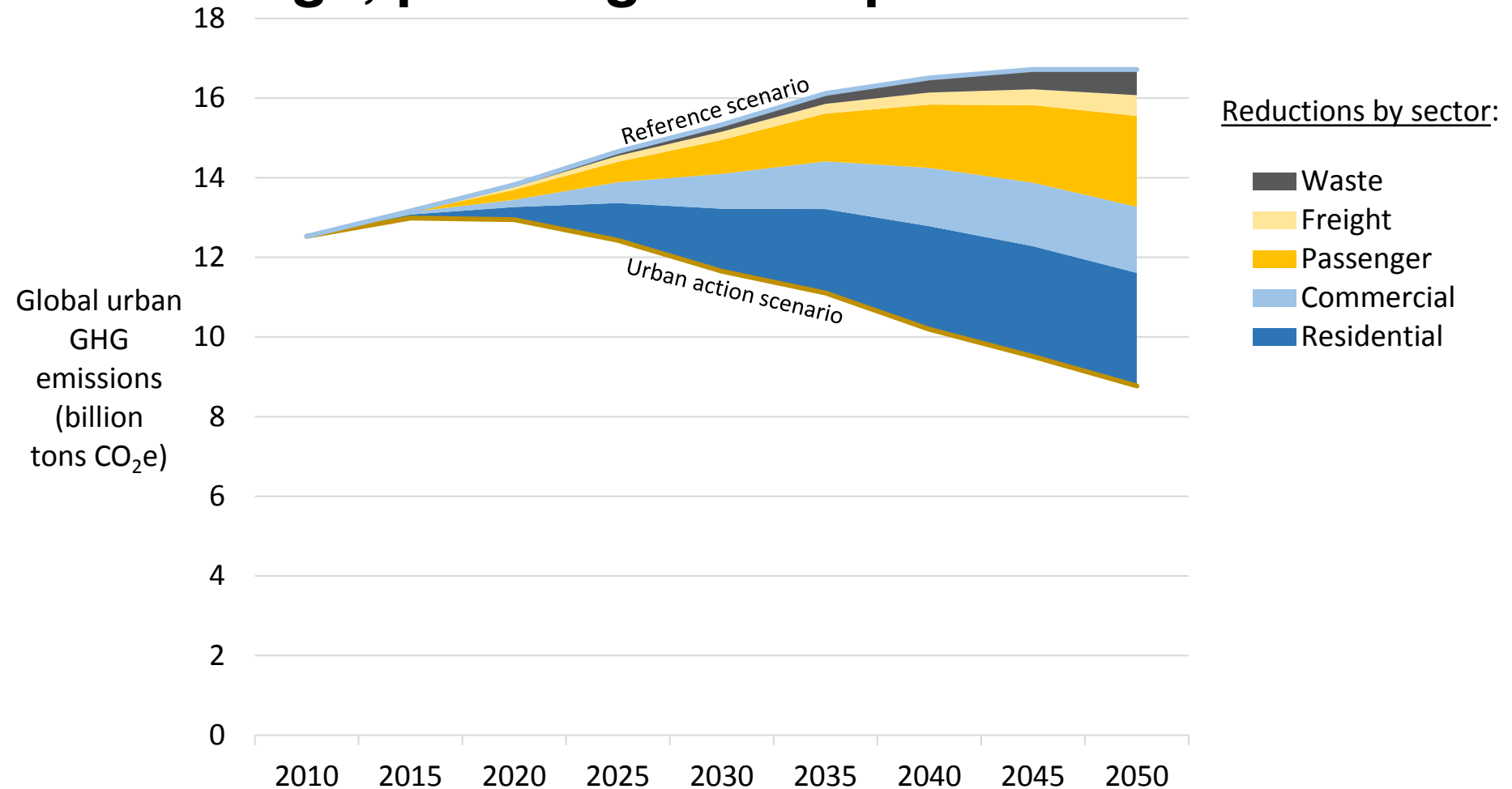
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Our focus: maximizing ambition of global GHG abatement, i.e....

- What is “maximum” GHG abatement potential?
- What is “best” way to achieve that?
- In short: what is the role of cities in an efficient global pathway to 2 (or 1.5) degrees?...
 - ...and what actions are needed at each level of government to get there?

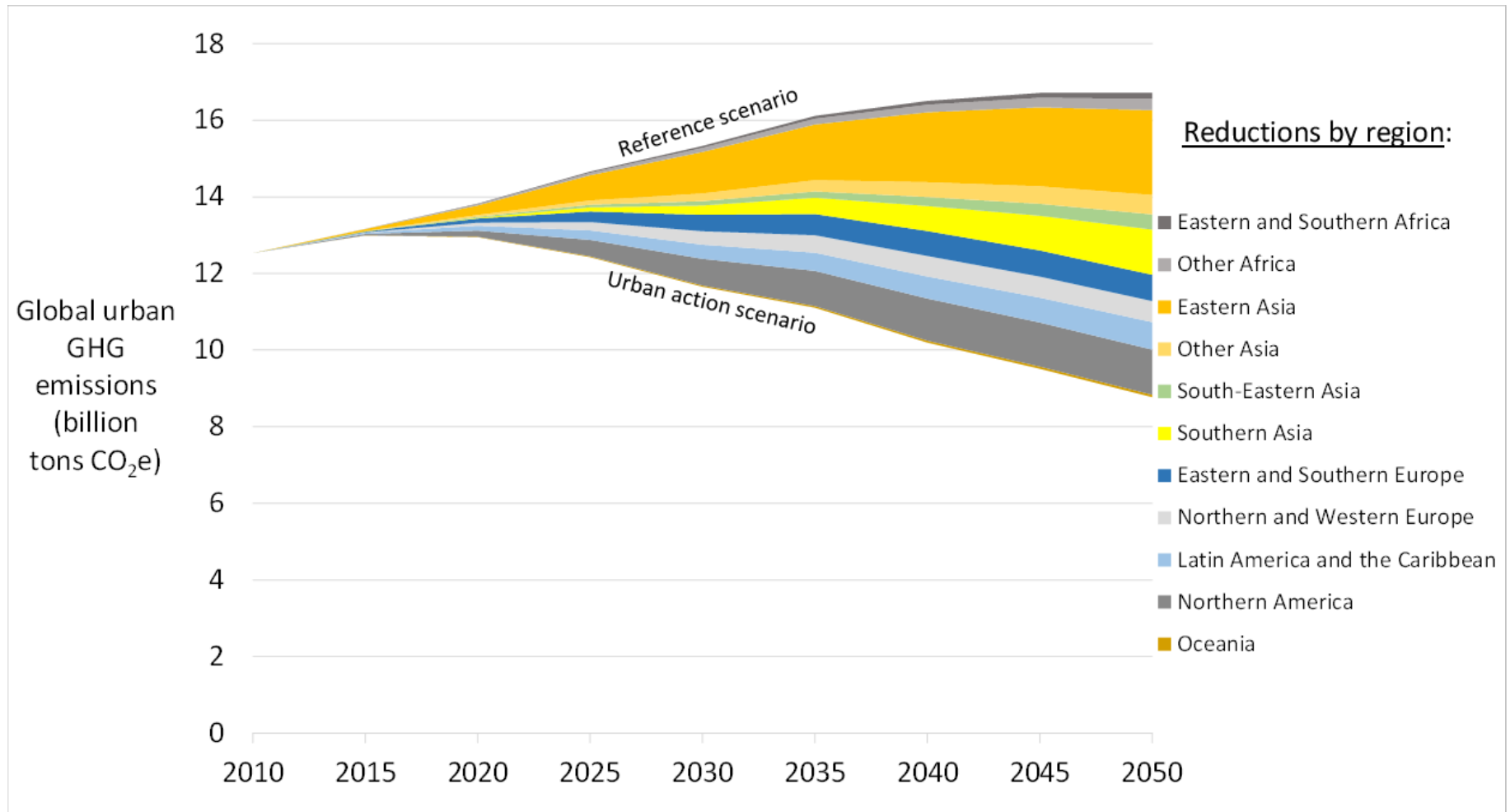


2. Urban abatement potential concentrated in... buildings, passenger transport



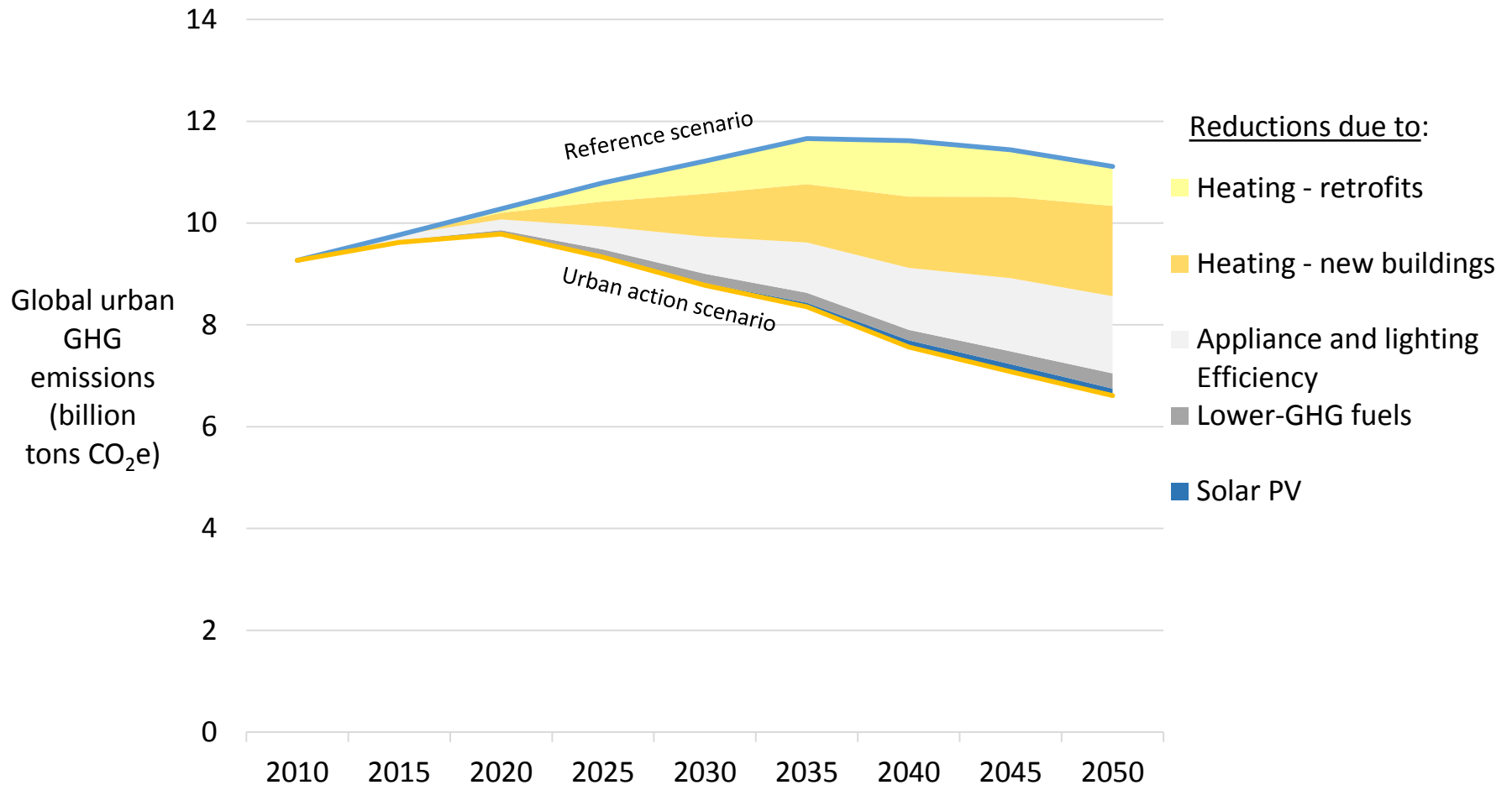
Source: Erickson, Peter, and Kevin Tempest. "Advancing Climate Ambition: How City-Scale Actions Can Contribute to Global Climate Goals." Seattle, WA, US: Stockholm Environment Institute, September 2014. Funded by Bloomberg Philanthropies.

Urban abatement potential concentrated in... Asia, North America, Europe



Country-by-country / regional breakdowns are indicative only and have not been vetted with in-country analysis. For this reason, please do not cite or quote.

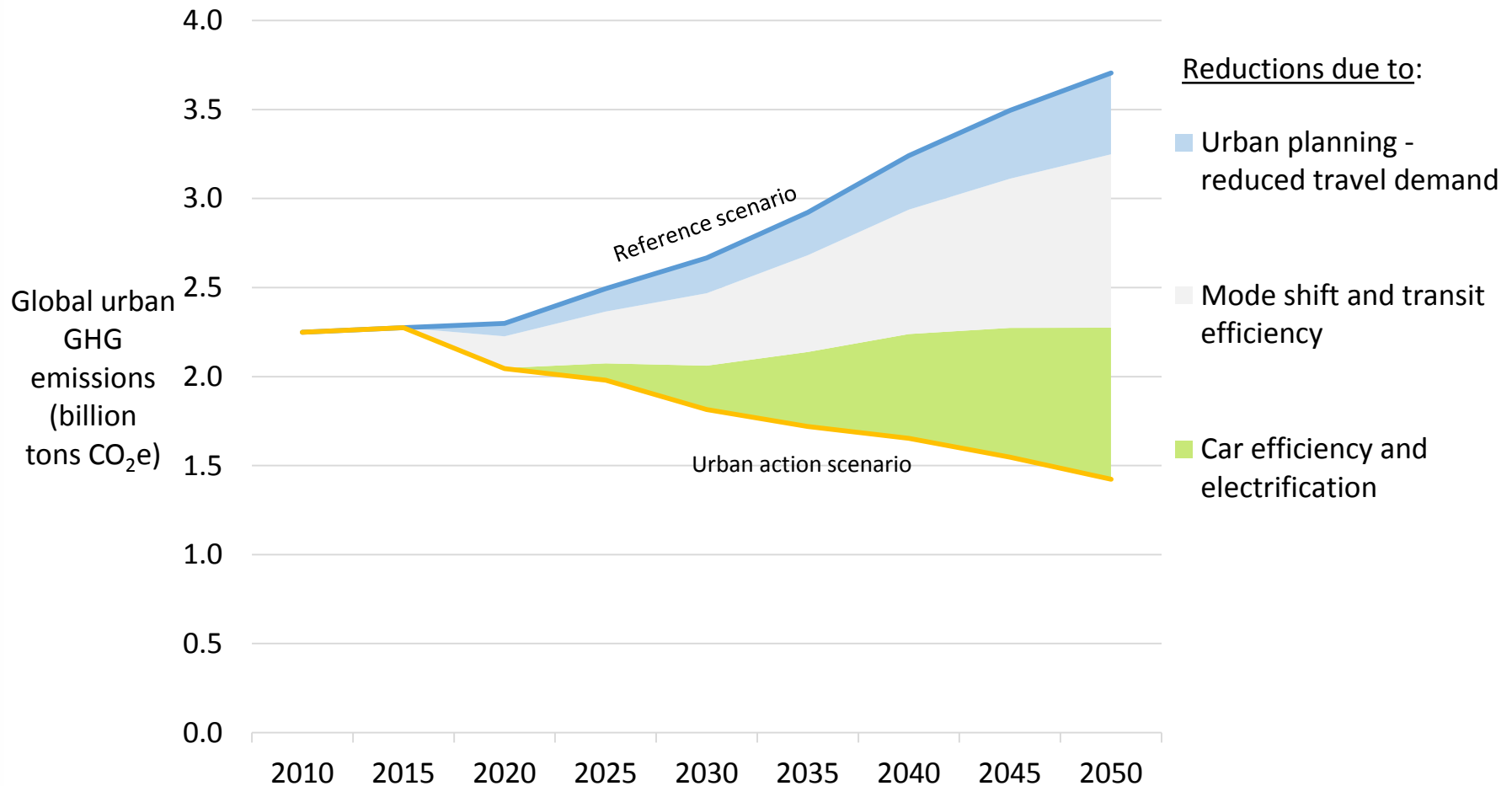
In buildings, heating dominates..



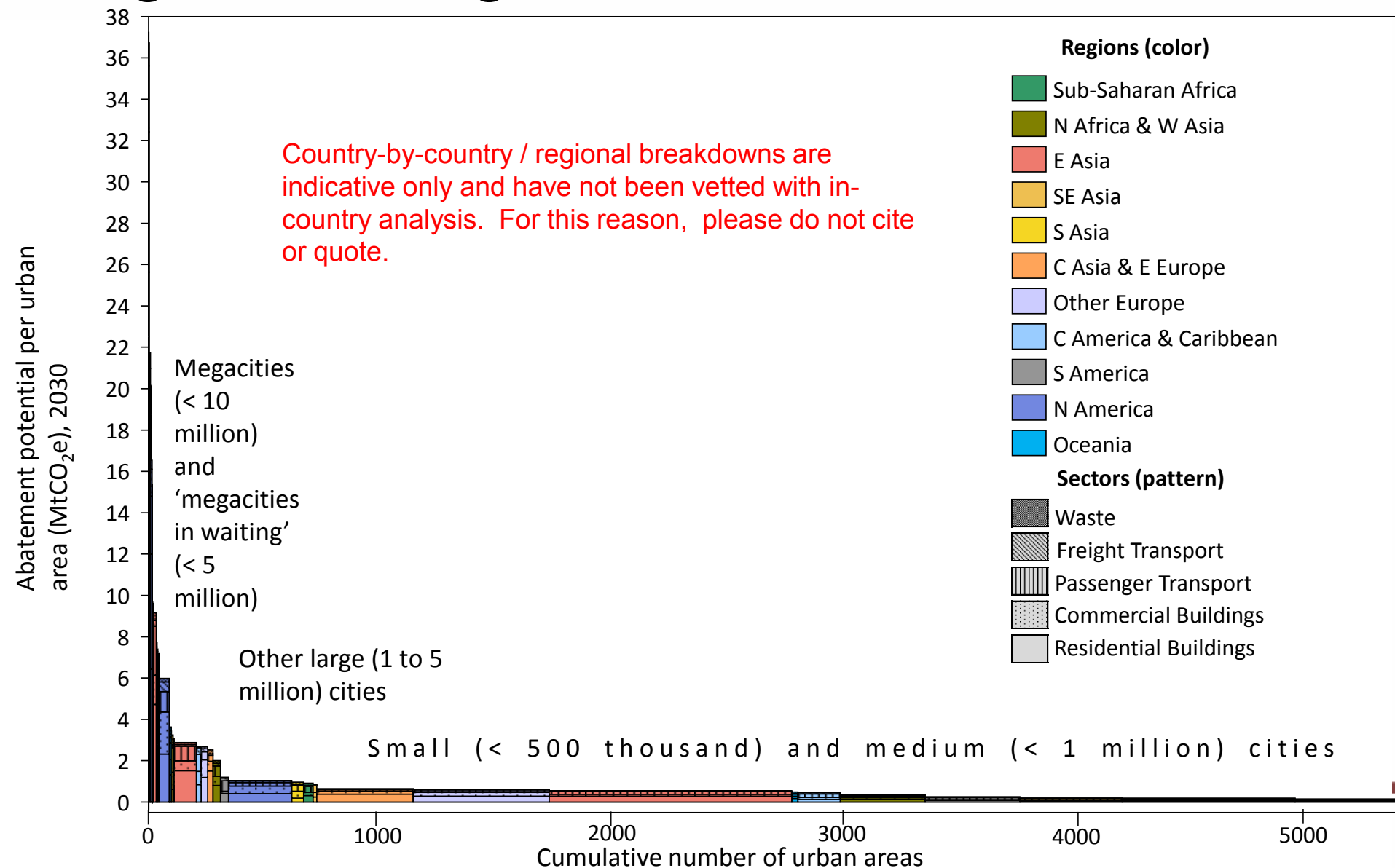
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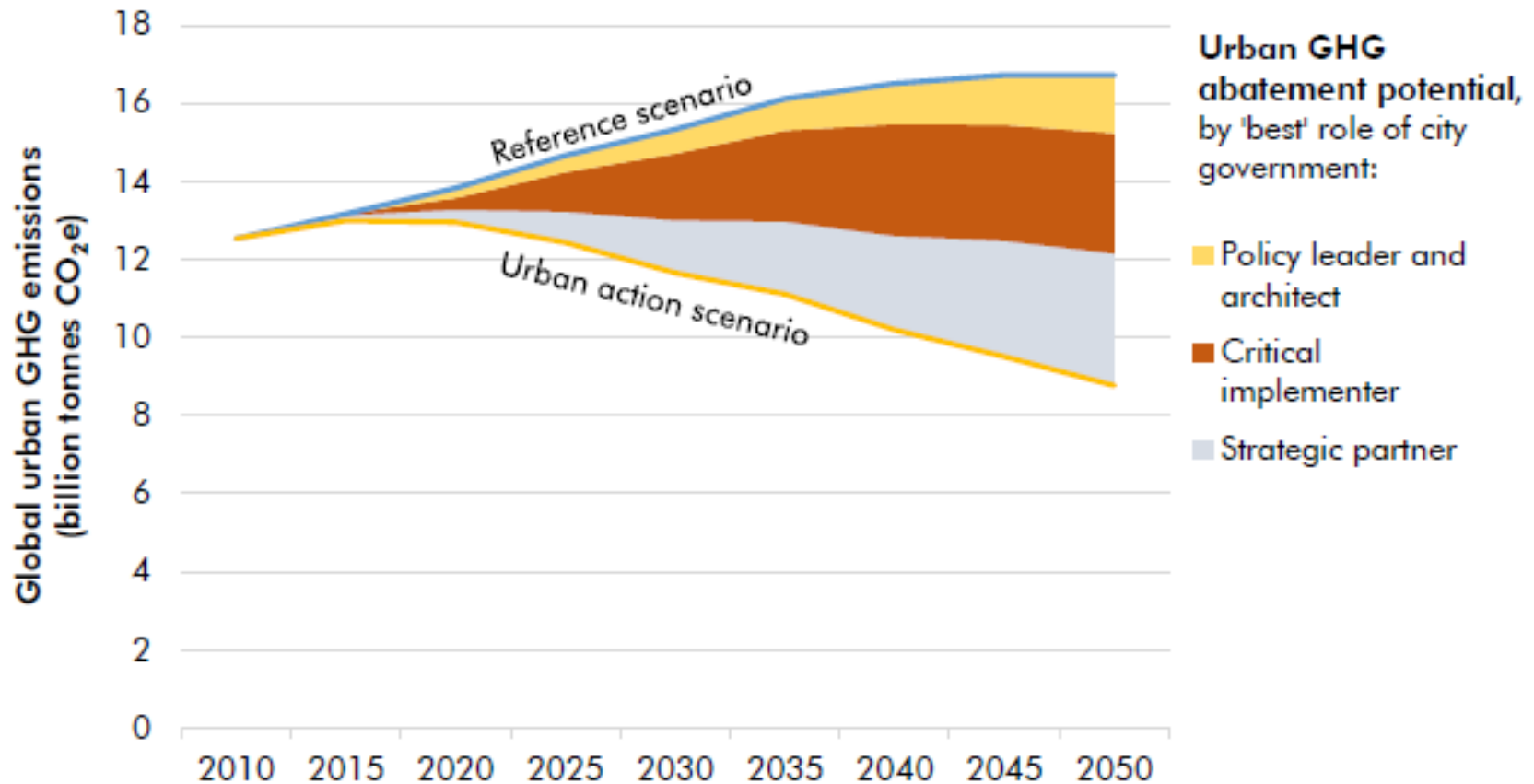
In passenger transport,... urban form and transit dominate...



But... abatement potential is diffuse: half in highest-emitting ~660 areas, half in lowest 5,000



3. What is the most appropriate role for city governments in realizing this potential?



Source: Broekhoff, D., P. Erickson, and C. Lee, 2015. *What cities do best: Piecing together an efficient global climate governance*. Stockholm Environment Institute, November 2015. Funded by Bloomberg Philanthropies.

When is city or national involvement most appropriate?

City government involvement in climate policy is appropriate where success depends on...

- Existing local government capacities
- Access to local data and information
- Mobilization of local resources
- Responsiveness and tailoring to local needs and circumstances
- Communication and engagement with local stakeholders
- Adaptability to changing (local) conditions
- Integration with other local policy objectives
- Targeted mitigation measures (contained within city boundaries) with low leakage risks

National or state involvement in climate policy is appropriate where success depends on...

- Achieving economies of scale
- Economy-wide market transformation effects
- Coordinating actions across multiple jurisdictions
- Avoiding in-country leakage of emissions
- Avoiding free-riding or “race to the bottom” behaviour among subnational jurisdictions



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“Best” roles for cities

- ***Policy architects and leaders***
 - Urban spatial planning
 - Public transit
- ***Critical implementers***
 - Building code implementation and enforcement
- ***Strategic partners***
 - EE information and outreach
 - EV infrastructure deployment
 - Distributed energy resource zoning/permitting

National & state government roles

- ***Lead***
 - Efficiency standards (buildings, appliances, vehicles)
 - Distributed energy policies (e.g., rooftop solar)
- ***Implement***
 - Vehicle & appliance efficiency standards
- ***Coordinate***
 - Multi-jurisdiction transportation planning
- ***Enable***
 - Enhance local capacities & authority



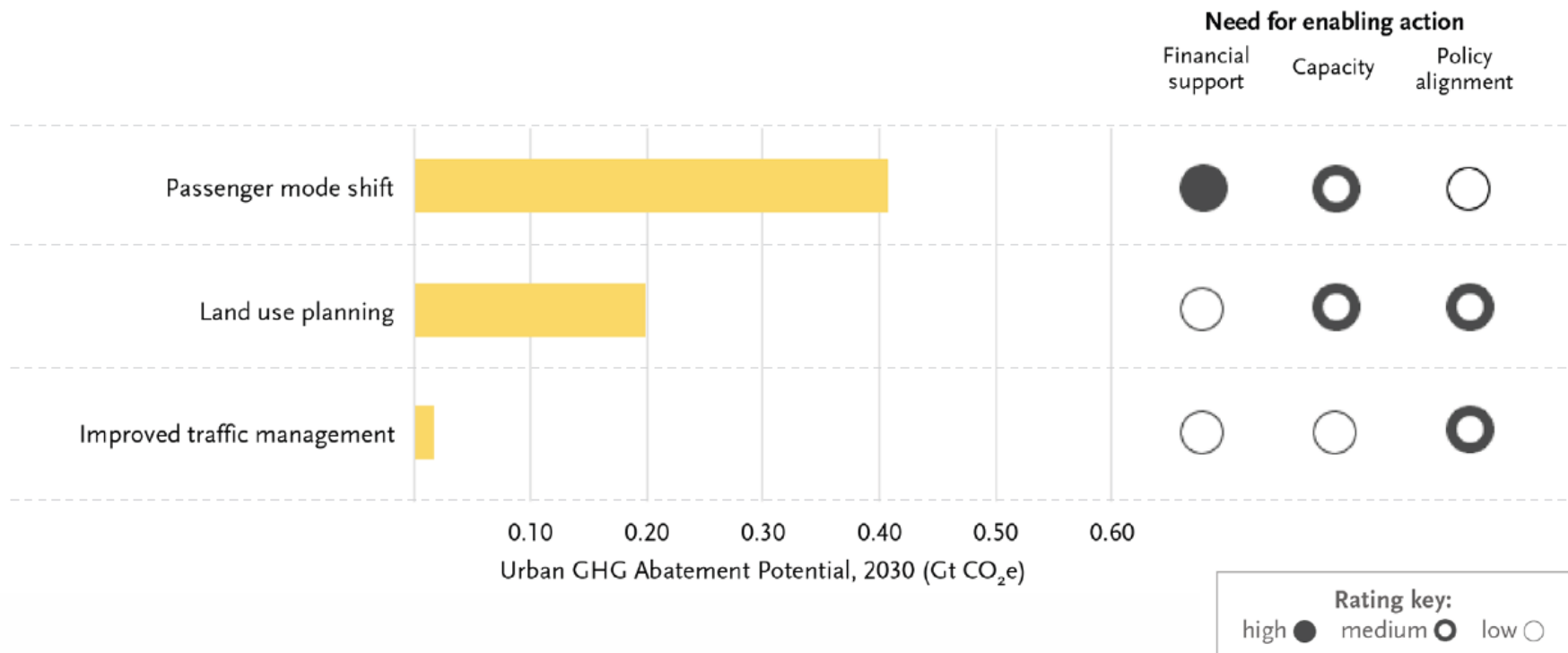
Key enabling actions

- ***Provide, or improve access to, local government financing***
 - transportation infrastructure
- ***Strengthen local government capacities & governance structures***
 - building code enforcement
- ***Align policies and eliminate conflicts***
 - enable local autonomy (e.g., for congestion charges)



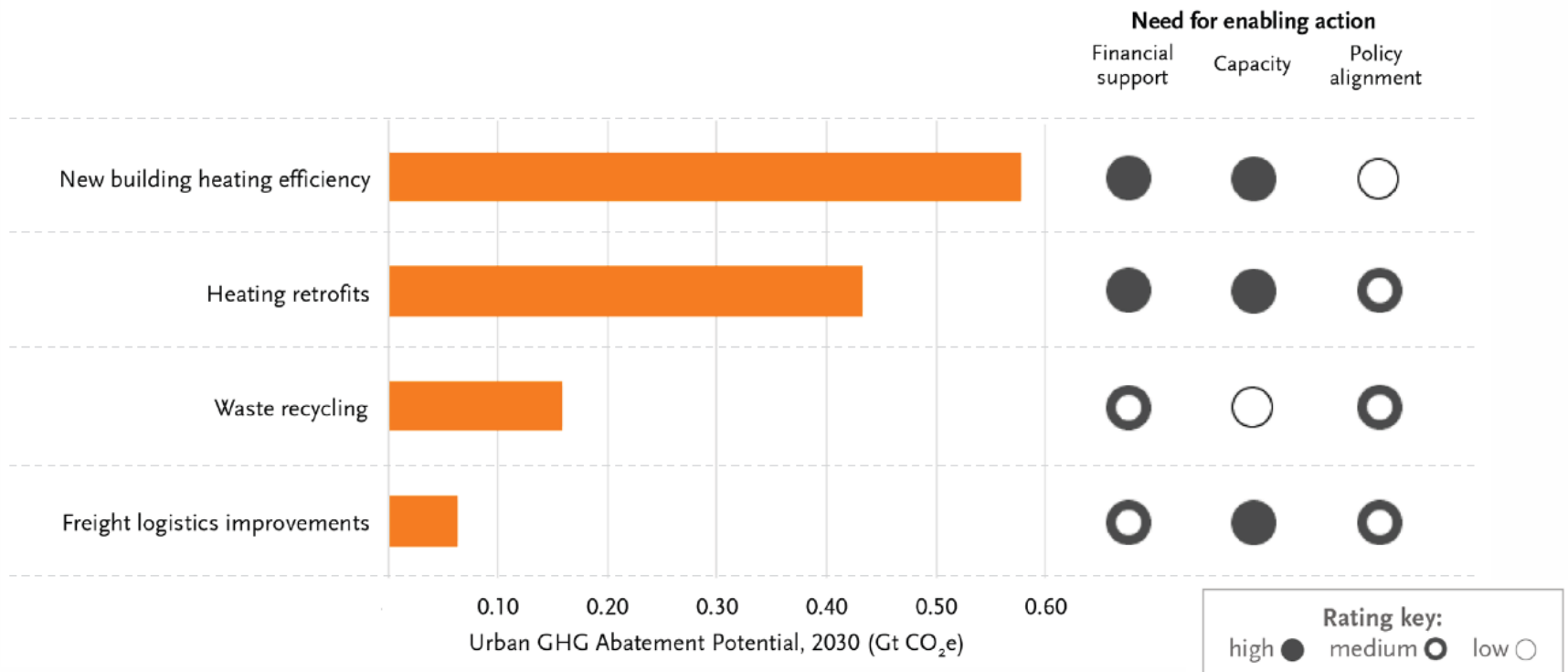
Cities as policy leaders

- Approximately 20% of urban action mitigation potential...



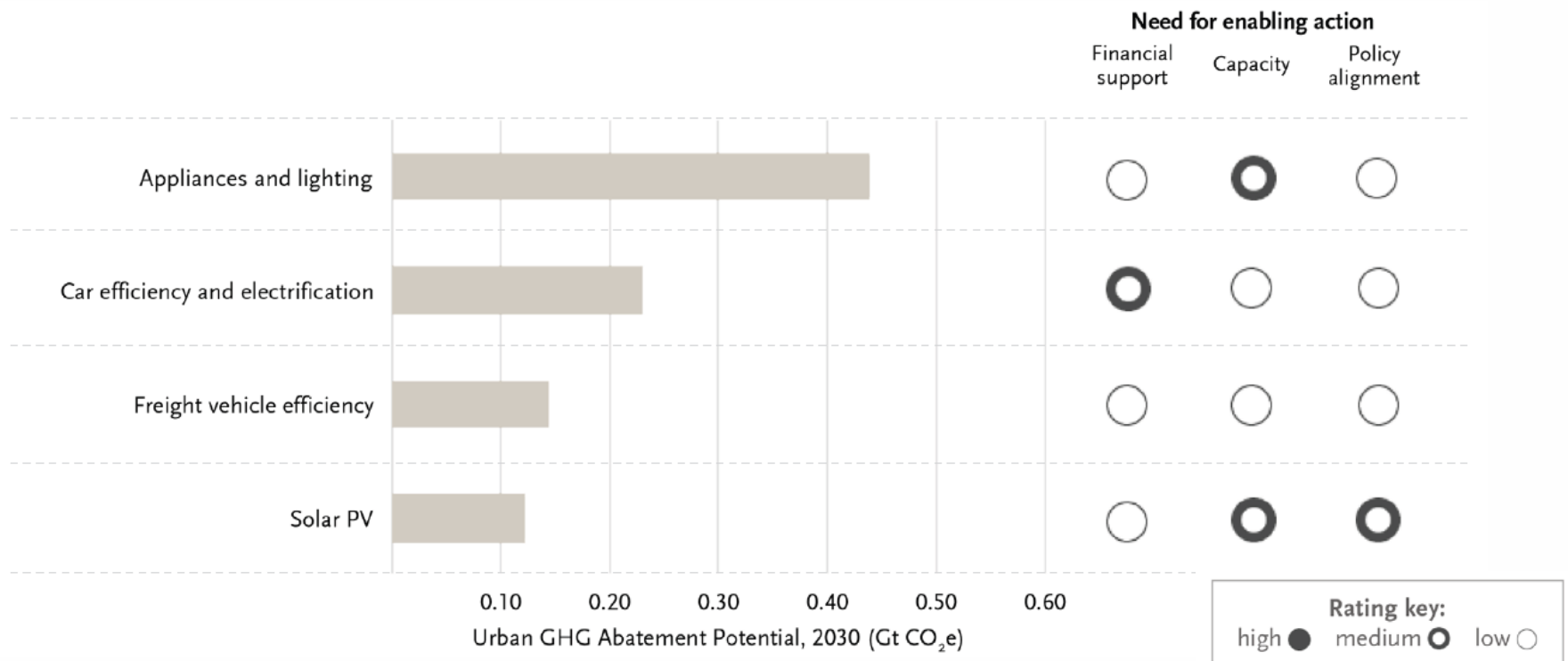
Cities as critical implementers

- Approximately 40% of urban action mitigation potential...



Cities as strategic partners

- The remaining 40% of urban action mitigation potential...



Key messages

1. Under an aggressive, global program of action, cities could make up about 15% of the emissions “gap”
2. Cities contribute about a third of future “carbon lock-in” annually, through inefficient buildings and sprawling urban forms
3. Engagement and coordinated action from national governments could help cities achieve reductions more quickly, fully, and cost-effectively, and increase the chances of realizing full abatement potential



Discussion topics

- The “lighthouse” vision –
 - “Cities are centers of innovation – this is where climate change will be solved” - NY deputy mayor
- The “workhorse” vision –
 - Abatement potential is widely dispersed
 - Many cities face pressing finance and capacity needs
 - National coordination could be highly beneficial
 - Cities should focus on “what cities do best” – local responsiveness, implementation, strategic partnering



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Discussion topics

- What is the right strategic balance between these visions? Between national and city-level engagement?
- How do we work towards more vertically integrated policies to achieve deep GHG reductions?

Thank you

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