

C40

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CLIMATE ACTION AT THE CITY LEVEL: LOCAL MITIGATION AND RESILIENCE EFFORTS



WHY CITIES?



- 80% of the planet's population
- 80% global GDP
- 75% of world's energy consumption, 80% CO2 emissions

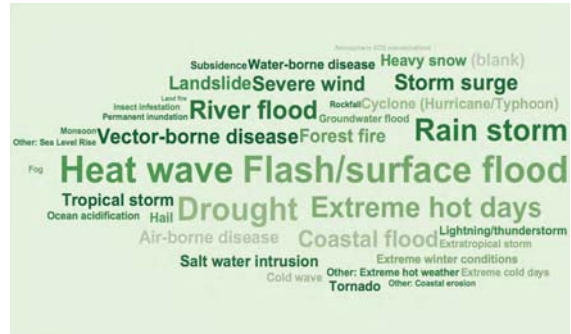
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CITIES AND CLIMATE CHANGE



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INCREASING CLIMATE RISKS



4

COP21

Paris Agreement: compared to what it could have been, it's a miracle



COP21

But Agreement won't come into force until 2020, by which time global emissions must have peaked



WHAT'S NEXT



Headline Findings:

- Presents first significant pathway for relating the ambition of the Paris Agreement to action on the ground
- Ave per capita emissions across C40 cities would need to drop to around 2.9 tCO2e per capita by 2030
- From 2016 to 2050, over \$1 trillion investment is required across all C40 cities
- **DEADLINE 2020: ACTION TAKEN IN THE NEXT FOUR YEARS WILL DETERMINE IF IT IS POSSIBLE FOR CITIES TO GET ON THE TRAJECTORY REQUIRED TO MEET THE AMBITION OF THE PARIS AGREEMENT**
- Mayors can deliver or influence just over half of the savings needed to put C40 cities on a 1.5 degree trajectory
- Wealthier, high carbon cities must deliver the largest savings between 2017-2020
- action to deliver structural changes from outside cities, must start to have a significant impact from 2023 at the latest
- If all cities with a population greater than 100,000 adopted the ambition for C40 cities set out in this report, they could save 863 GtCO2e globally by 2050.

CITIES ACT



CO-ORDINATED CITIES

Successful future cities will run on data



Rio Operations Centre: "I sleep better thanks to it. The worst thing is not having the information, to not have the tools to act. But we do now." (Mayor Paes)



- Prompted by fatal landslides
- Decreased emergency response times 30%
- Co-ordinates all service, including transport and waste



Reinventing Cities

- Public building redesign competition
- 300 buildings
- \$700m sale
- Community-led bids focus on urban farming & green space

TOWARDS LOW CARBON FUTURE

A low carbon development pathway means faster rise in living standards and stronger economies



Thank you

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