

15th Kawasaki International Eco-Business Forum
第15回川崎国際エコビジネスフォーラム

Role of Environmentally Advanced Cities for Global society
国際社会における環境先進都市の役割



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ambitious local governments
大胆に取り組む地方自治体

米国と世界を引っ張る Carbon-neutral California

September 2018

Gov. Brown has signed Senate Bill 100 to set a **100% clean energy goal by 2045.**



November 2018

Gov. Brown has signed an Executive Order to make the entire economy produce **zero net emissions by 2045** and to achieve **net-negative emissions after 2045.**

The State of Hawaii ハワイ州

June 2017: Gov. David Ige(イゲ知事、州法に署名)

the first state to pass a law
committing to the Paris Agreement

パリ協定順守の州法は米州では初

We aware of the limits of our
natural environment

「自然環境には限りがある。CCは現実だ」



June 2018: イゲ知事、州法に署名

another bill to committing to a carbon
neutral state by 2045

2045年までに、カーボンニュートラルに

Seattle: plastic straw ban プラスチック・ストロー廃止

July 2018, 条例の採択

Seattle is the first major city
to ban single-use plastic straws.

Starbucks:

to ban plastic straws
in all stores by 2020



WH will be powered by RE

Dec.2018:

WDC passes bill to run on 100%
RE by 2032

コロンビア特別区議会が
the Clean Energy DC Act
を、全会一致で可決した
the bill was passed unanimously

好むと好まざるに拘わらず、ホワイトハウスもREが点る
the WH will be powered by renewable energy
whether they want it or not.



States United for Climate Action

US Climate Alliance: 1 June 2018~

- committed to taking real, on the ground action that urgently addresses the climate change
- Implement policies that advance the goals of the Paris Agreement
- Track and report progress to the global community
- Accelerate new and existing policies to reduce carbon pollution and promote clean energy deployment

<19 members>

NY, NJ, California, Washington,
Hawaii, Oregon, Vermont, etc



London: 1.5°C Climate Action Plan

the Mayor of London S.Khan (Dec. 2018)

“a new 1.5°C Compatible Plan
to **make London a zero carbon city by 2050**”

- 2025年までに、CO2排出を90年比▲60%
 - buildings retrofitted with energy efficiency measures
 - grid decarbonisation
 - a zero carbon transport system



Paris plans to ban the combustion engine by 2030

October 2017

Mayor Anne Hidalgo:

Paris=The world`s most visited city
エンジン車のパリ市内乗り入れを禁止へ



Already announced:

France will ban the sales of engine-powered cars from 2040.

Paris will ban diesel-powered cars from 2024 when Paris hosts the Summer Olympic Games.

Tokyo Cap-and-Trade Program

東京都キャップアンドトレード制度

Launched: April 2010

Tokyo`s goal:
to become a city with the lowest environmental
impact in the world.

November 2016:

All covered facilities achieve their CO2 emission
reductions for the first compliance period (~2016. 9)
91% was met by **energy efficiency measures**.



C40 : net zero carbon buildings pledge


August 2018:

The Net Zero Carbon Buildings Declaration

19 cities representing 130 million urban citizens committed to cut GHG emissions from their cities by ensuring that new buildings operate at **net zero carbon by 2030.**

NY, London, Paris, LA, Johannesburg, SF, Stockholm, Sydney, Toronto, Montreal, Tokyo, WDC, etc





Role of Environmentally Advanced Cities

環境先進都市の役割

Functions of cities

都市の機能

- concentration of population(人口の集中)
habitable(住む)、gathering(集まる)、
interchange(交流する)
- cite for business(ビジネスの実現の場)
- cultural and art center(文化／芸術の現場)
- concentration and dispatch of information
(情報の集積と発信)

World Urbanization Prospects

世界都市人口予測

The 2018 Revision(United Nations)

増加の要因: 人口増と農村からの移動

1950: 30%

2018: 55%

2050: 68% (increase of 2.5b)

sustainable urbanization is key to successful development
持続可能な都市化がカギ

Role of cities: 都市の役割

- a place for implementation
action on the ground(実践の場)
中央政府にはない現場と直結
- leadership(リーダーシップ)
国全体ができないことを、都市独自にやれる
moving ahead of the nation
- generation and transmission of information
情報の発信,内外への公示効果は大きい
big impact on citizens



From Katowice COP24の会場から

2019年2月7日

国際社会における環境先進都市の役割

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Keywords from COP24

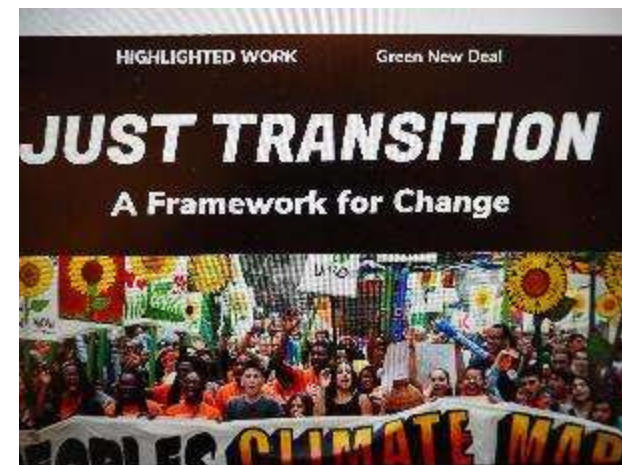
- **1.5°C**

People`s mindset has changed:
Not 2°C、but 1.5°C
人々の頭の中が変わった



- **Just Transition**
公正・公平な転換を

No choice but to accept transition
But it should be JUST



Thank you for your attention
ご清聴ありがとうございました

Just say **No to Anthropocene**(人新世)

