

# Cooperative Project of Realizing of the Low-carbon City in Putrajaya, Malaysia, and NEDO's Role

## マレーシア国プトラジャヤ市の低炭素都市構想 実現のため協力事業とNEDOの役割について

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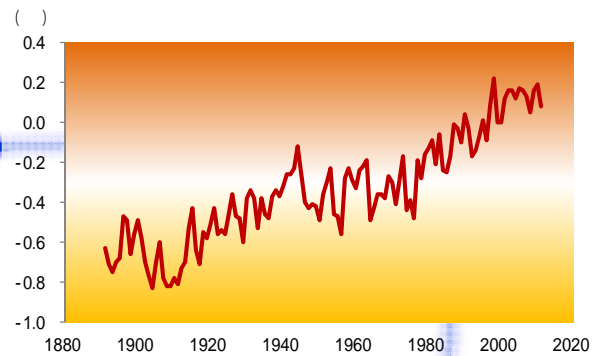
New Energy and Industrial Technology Development Organization (NEDO)

July 25, 2012

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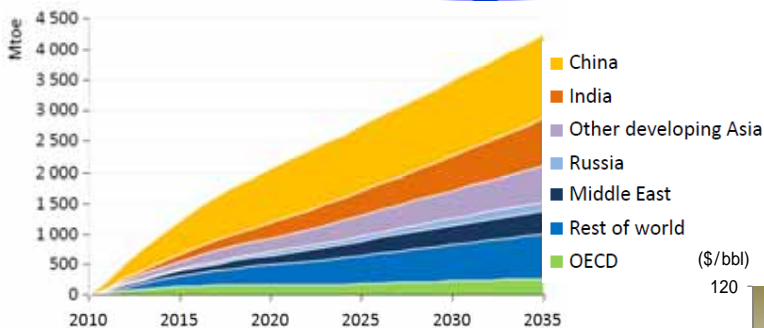
### Energy and Environmental Problems エネルギー・環境問題

#### Global Warming



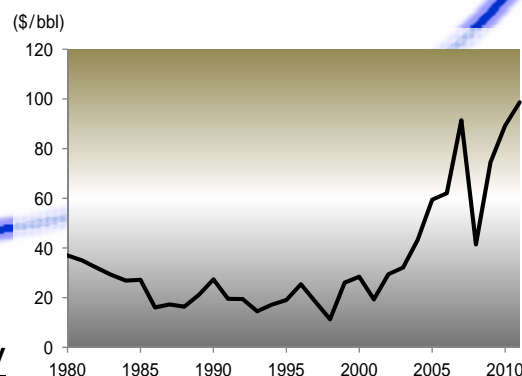
Change of Average Earth  
Ground Temperature

#### Increase of Energy Demand



Demand Perspective of  
Primary Energy in the World

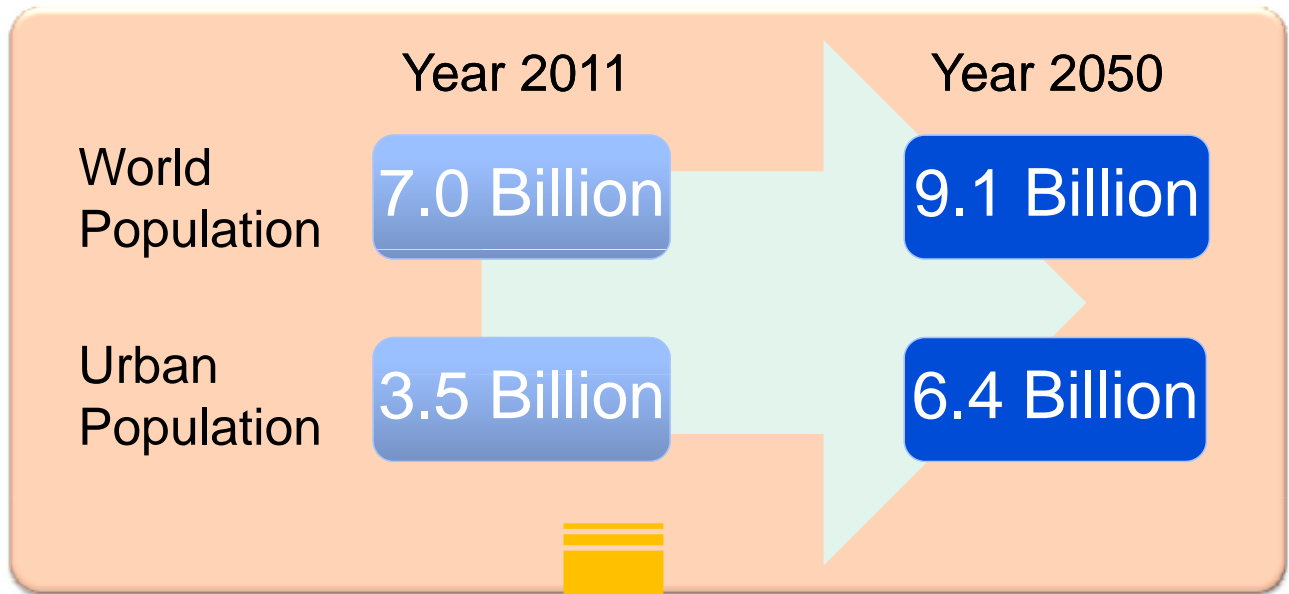
#### Energy Security



Increase of Oil Price

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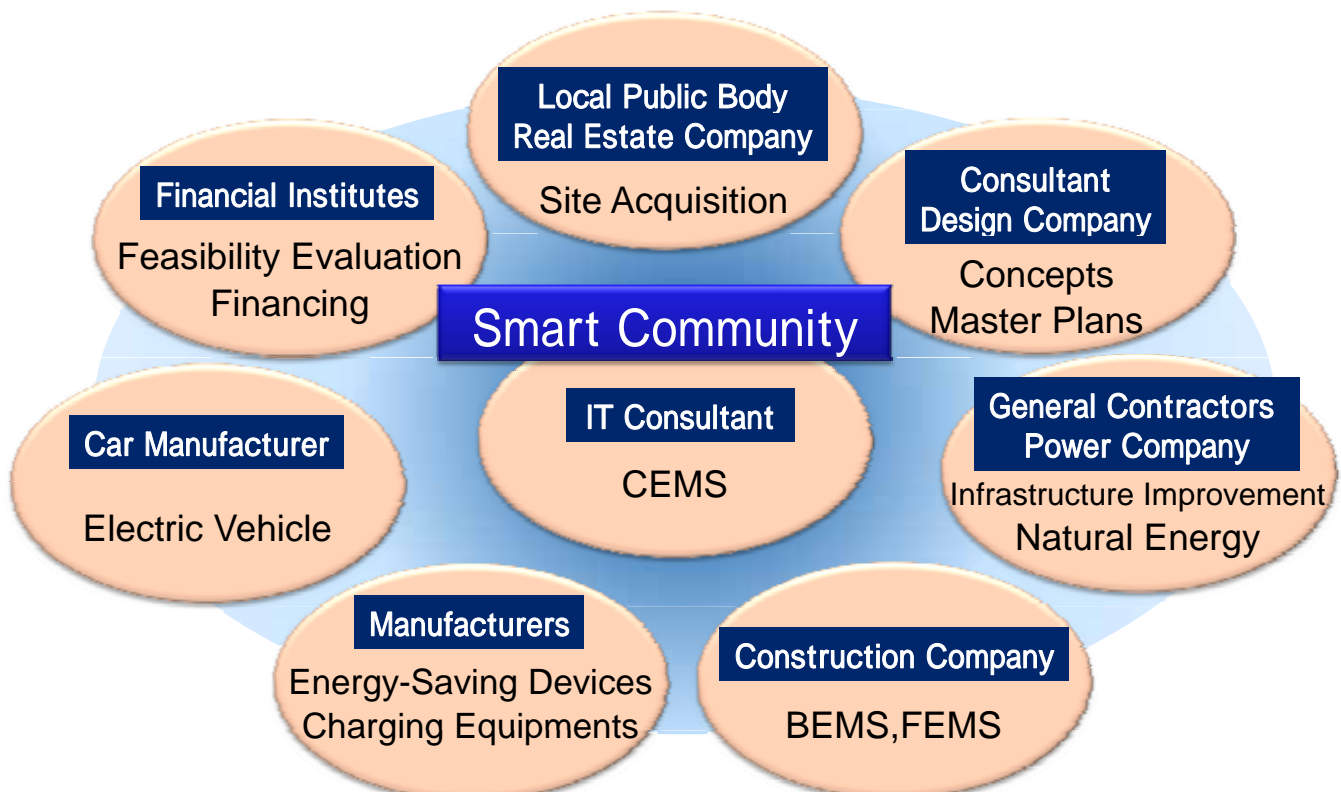
# Increase of World Population and Concentration in Urban Areas *世界の人口増大と都市への集中*



Source: United Nations Fund for Population Activities

- Energy Increase in Urban Areas
- Traffic Congestion
- Air Pollution
- Waste Disposal
- Aging Society

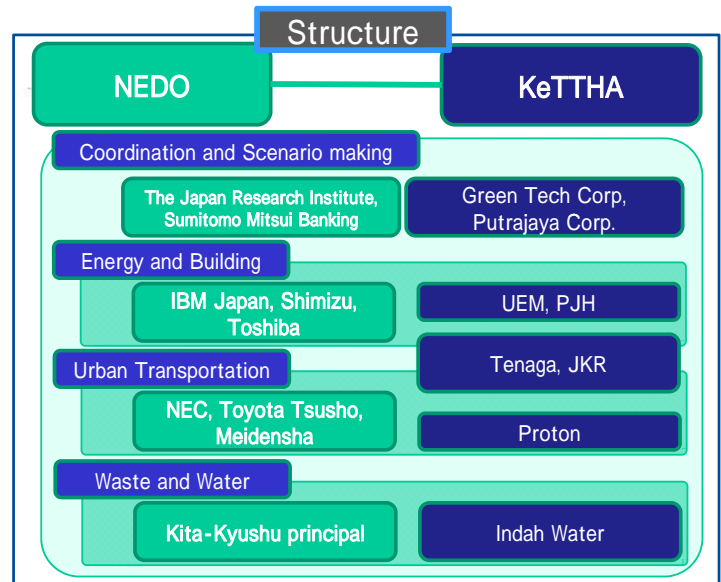
# A New Social System "Smart Community" *新しい社会システム「スマートコミュニティ」*



# Low Carbon City Action Planning Project in Putrajaya/Cyberjaya, Malaysia *NEDO-KeTTHA 協力事業の背景*



- The Prime Minister of Malaysia, Dato' Sri Mohd. Najib Tun Razak had announced to develop Putrajaya and Cyberjaya as Low Carbon Cities and as a "Showcases" for other cities in Malaysia.
- Under the circumstance, JSCA -Government-private sector mission was held in December 2012 with attendance of the Minister Peter Chin of the Ministry of Energy, Green Technology and Water, Malaysia (MEGTW, or KeTTHA). At the session, a intent that the realization of Low Carbon city development in both cities by cooperation of Japan was shown, and Japan and Malaysia agreed that both countries cooperate to each other to implement it.
- In April 2011. Letter Of Intent to draw up action plans for both cities, was concluded between NEDO and KeTTHA and this research project was started.
- This research project is to draw up the concrete action plans and roadmaps to achieve the realizations of Low Carbon City concepts based on PGC2025 and LCCF which Malaysia have already made before.

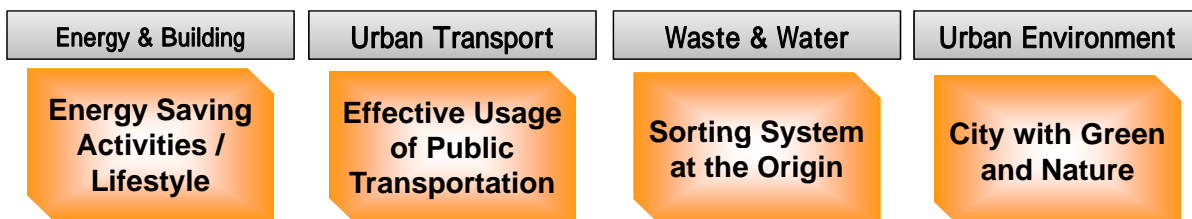


# Low Carbon City Action Planning Project in Putrajaya/Cyberjaya, Malaysia *NEDO-KeTTHA 協力事業の実施内容*



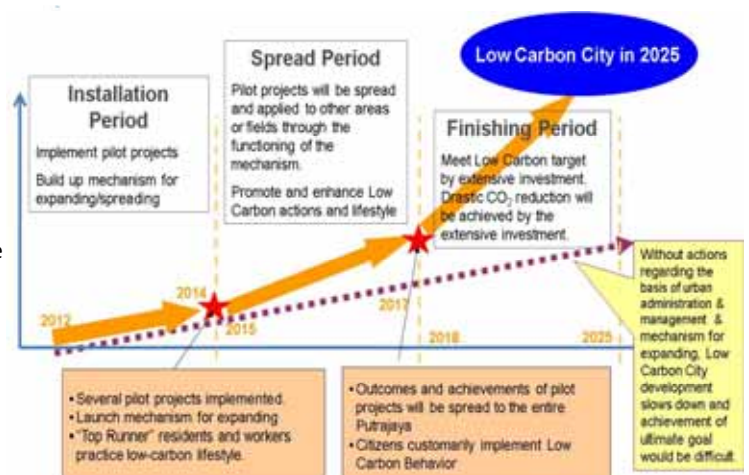
- Examine in each 4 sector with many Malaysian stakeholders , and draw up the action plans and roadmaps.

## Strategic direction in each sector



## Concept of Strategic Roadmaps

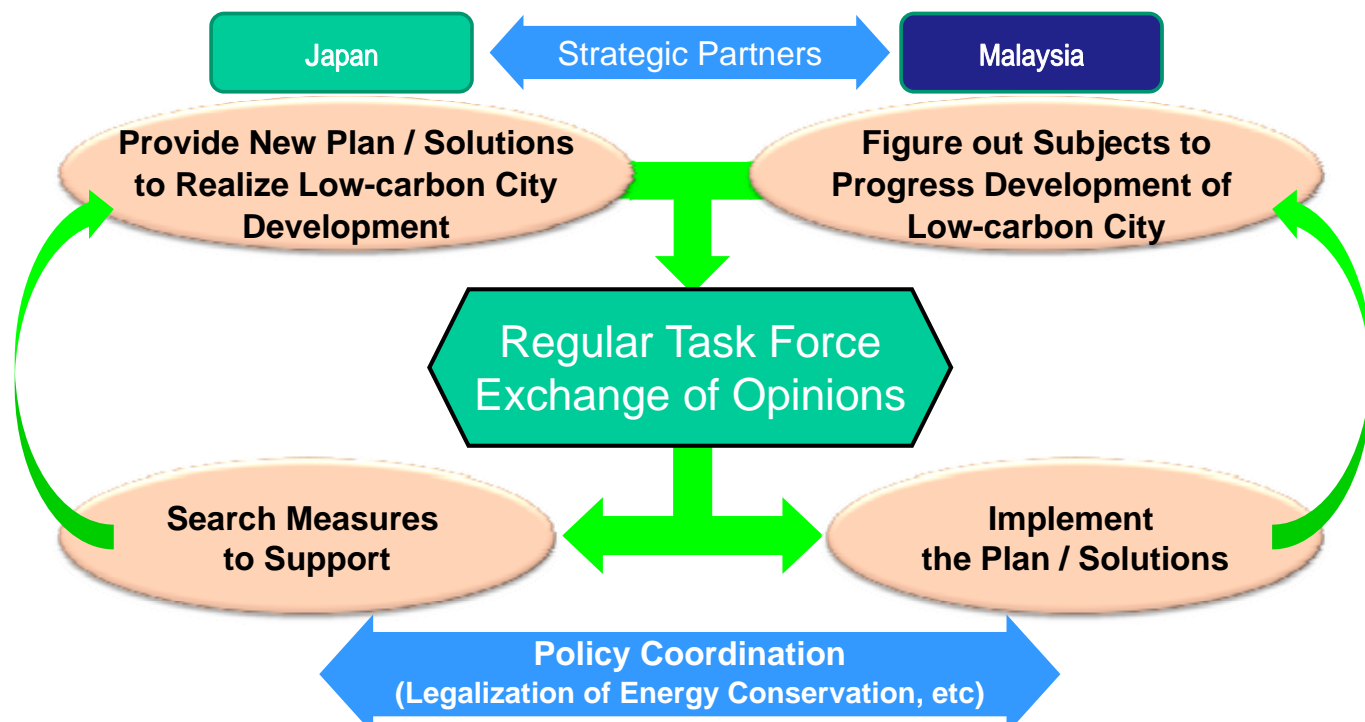
- Common subjects from each sector are that people's behavior change to low carbons, and that the basis of urban administration & management (such as firm leaderships and systems to drive PDCAs) to back up those behaviors is weak. Therefore it was cleared that some low carbon efforts/projects made in the past are not spread or diffused.
- The comprehensive strategies for to realize Low Carbon City are
  - 1) Designing a model which serves as a rule (pilot projects)
  - 2) Construction of diffusion mechanism for expansion and draw roadmaps for action plan in each 4 sectors.
- Following subjects are proposed as pilot projects which consist of diffusion mechanism.
  - 1) Low Carbon City Partnerships
  - 2) Green Node Development



# Future Activity - Establishing Task Force - 今後の活動 ~ タスクフォースの設置 ~



- Establishing regular task force to exchange opinions on realization of low-carbon city
  - Following-up for Realization of Action Plans
  - Cooperation to Realize Low-carbon City Plan for Whole Malaysia



<http://www.nedo.go.jp/>