

# Yokohama – Frankfurt am Main: Visions for a carbon neutral future

**EU-IUC Japan, 5th Exchange Meeting**

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# Frankfurt am Main



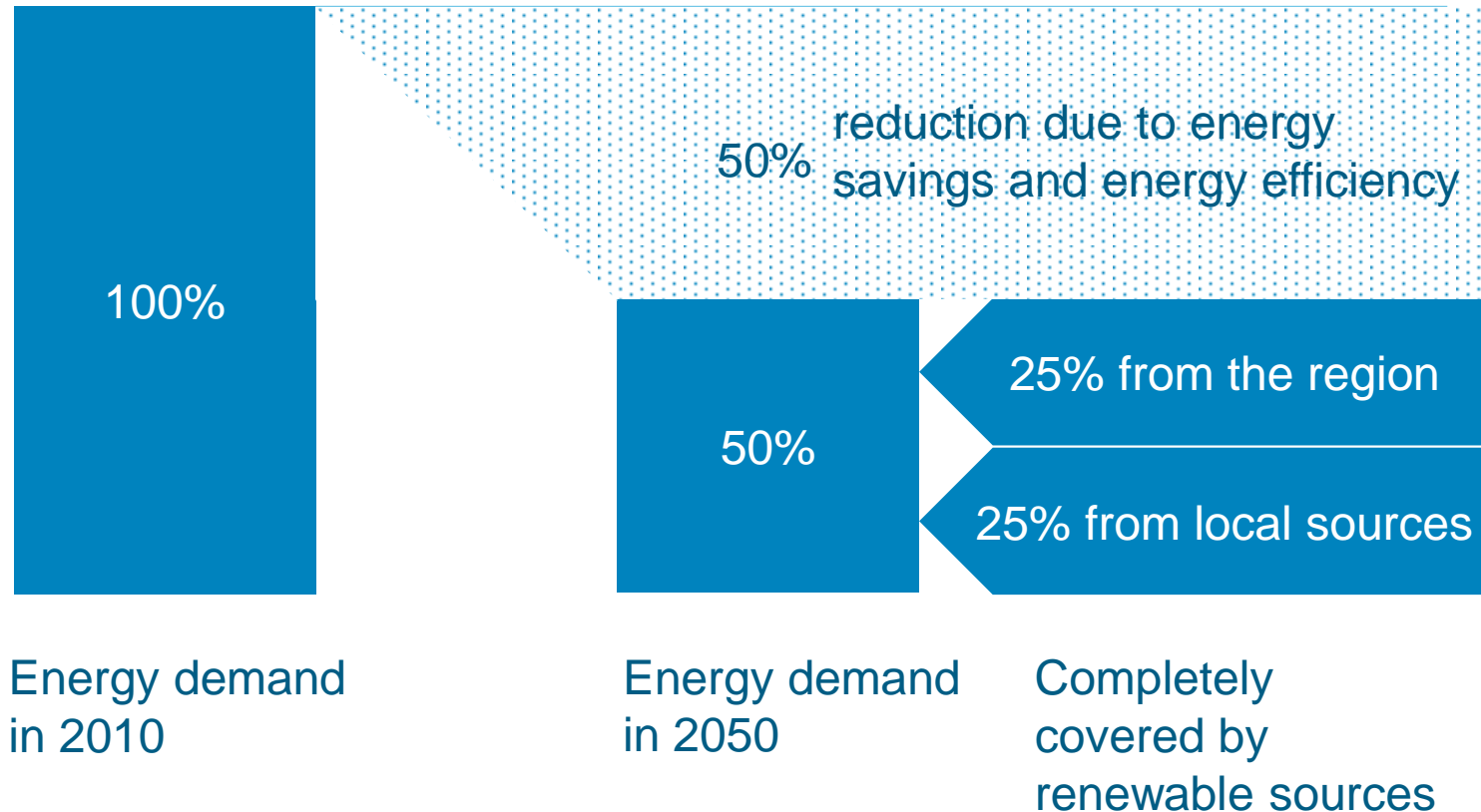
# Masterplan 100% Climate Protection

- Consideration of all sectors
- Assessment of energy related potentials: gains through energy efficiency, energy savings and the development of renewable energy sources
- Set up of a package of measures for all sectors
- Szenario Development for 2010 – 2050
- Save up to 95% CO<sub>2e</sub> by 2050

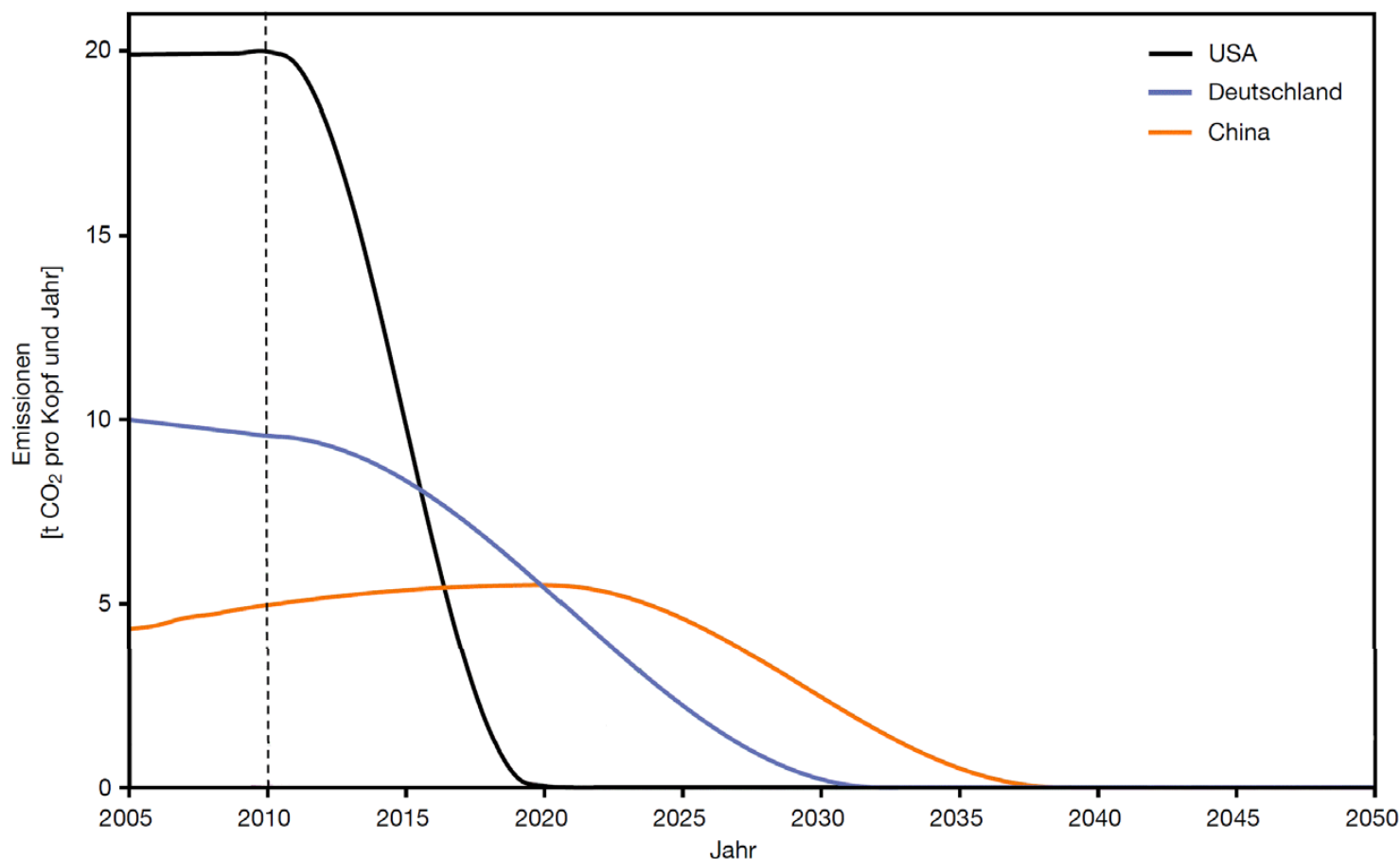


Source: Fotolia .de # 61843070

# Masterplan 100% Climate Protection



# CO<sub>2</sub>-Budget Plan for 2050? 2030?

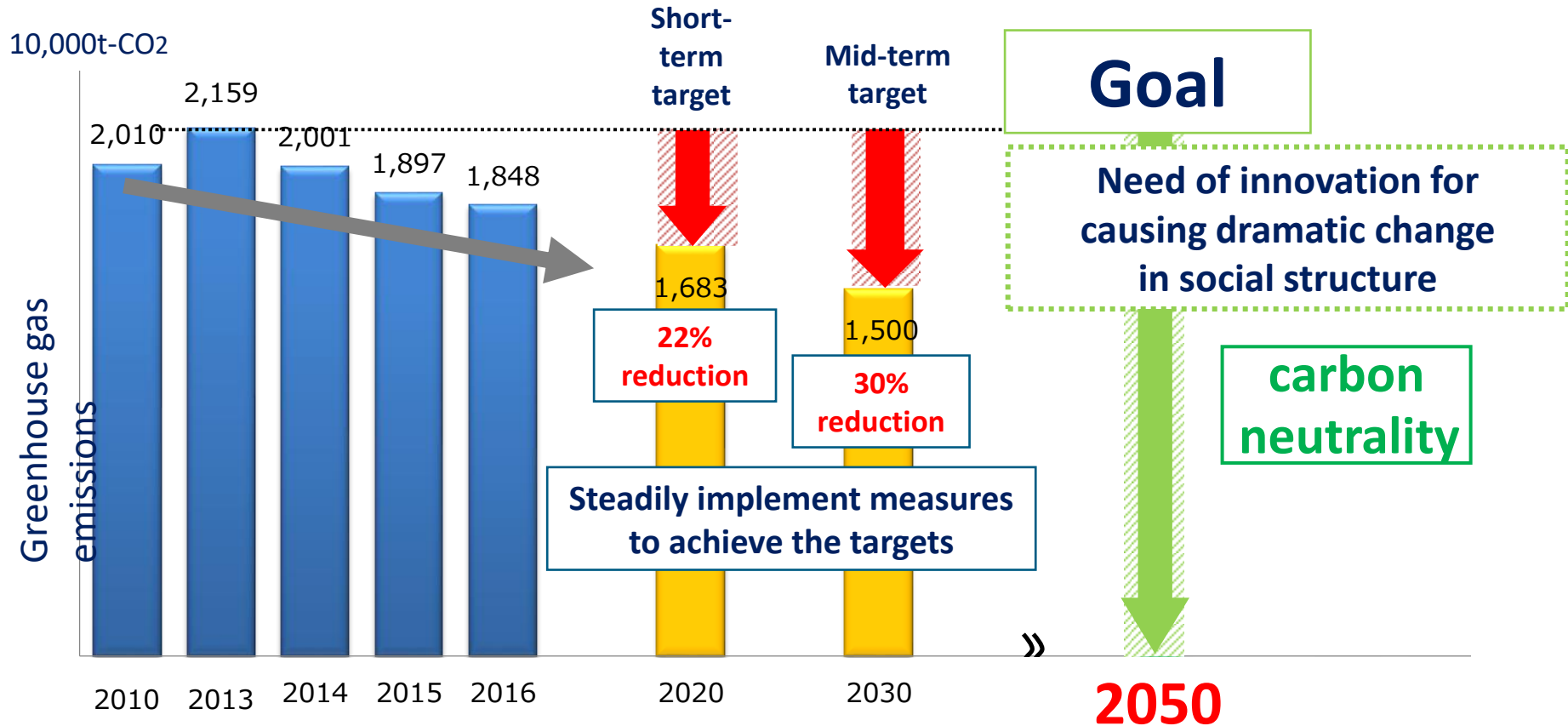


Quoted after Schmidt-Kanefendt 2013, Source: Wissenschaftlicher Beirat für globale Umweltfragen (WBGU); „Kassensturz für den Weltklimavertrag – Der Budgetansatz“; Sondergutachten 2009, Seite 12, 31 ([www.wbgu.de/sondergutachten/sg-2009-budgetansatz/](http://www.wbgu.de/sondergutachten/sg-2009-budgetansatz/)).

# City of Yokohama



# Vision: Zero Carbon Yokohama



# The way of Realizing Zero Carbon Yokohama

## Zero Carbon Yokohama Achieving Carbon Neutrality

Substantial reduction in  
energy consumption



Energy source shift



Substantial  
reduction in  
energy  
consumption



Mainly Renewable Energy

Produced inside  
the city

External  
procurement

# Strategy for using renewable energy (under development)

Estimation of potential of renewable energy in the city

Set of the target of renewable energy by 2030

Measures for increasing renewable energy



## Measures in the strategy (TBD)

Cooperation with other  
municipalities in RE production

City Hall RE 100

Support for local SMEs in the  
introduction of renewable energy

Virtual Power Plant Action Plan

# Focus of Cooperation

- 1) **Renewable energy utilisation** (Under the consideration of the interdependency with developments in the metropolitan area)
- 2) **Awareness raising projects using the “nudge” approach** (learning how behavioral science approaches are implement in Germany and in Japan on energy related topics)

## Lessons learned through our partnership

- Take the time to understand the context in which your partner city is operating in, particular under the consideration of the existing legal framework, the current status and impact of the political system and the impact of cultural dimensions.
- Be in touch on a frequent basis and create an trustful exchange.

# Overview of Action Plan

## 7 AFFORDABLE AND CLEAN ENERGY



## 13 CLIMATE ACTION



# Overview of Action Plan

## Common challenges:

- Increasing renewable energy share
- Behavioral change of citizens / businesses

## Cooperation areas: Energy Transition

## Focus:

- Interdependency with regional development
- Raising awareness with regard to different target groups

## Specific objectives:

- Development of cooperation with other municipalities to support the utilization of additional renewable energy production
- Launching a new raising awareness project using “nudge” approaches

# Danke,

dass Du was für das Klima machst.

[www.klimaschutz-frankfurt.de](http://www.klimaschutz-frankfurt.de)



**TEAM**   
**FRANKFURT**  
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**KLIMASCHUTZ 2050**

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