

# Japan's real success of low cost transport carbon mitigation, transferable to ASIA

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Oct. 3, 2018

# What is Eco-Mo Foundation

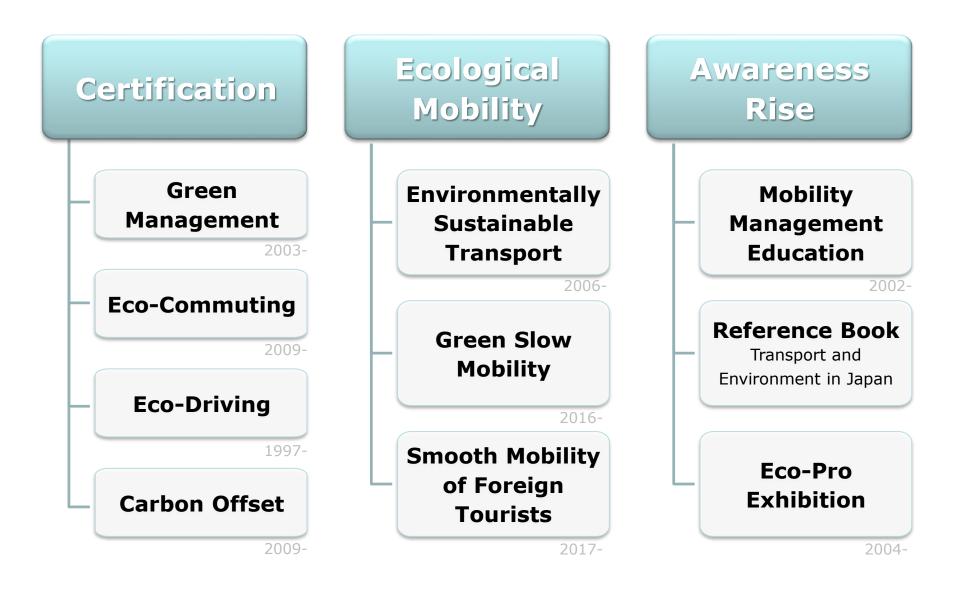
# HISTORY

- In **1994**, the Minister of Transport approved the **establishment** of the Foundation for Promoting Amenities of Transport.
- In 1997, renaming of the organization to "Foundation for Promoting Personal Mobility and Ecological Transportation" was approved by the Minister of Transport.
- In 2012, The Prime Minister accredited and transitioned to the Public Interest Incorporated Association.

# MISSION

• Better life for all people through sustainable mobility with less CO2 and no barrier



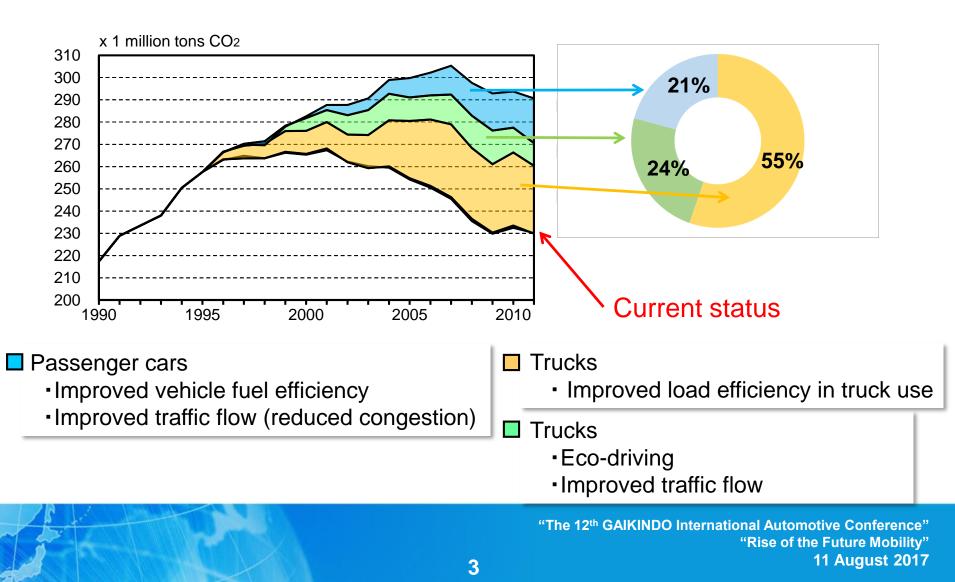




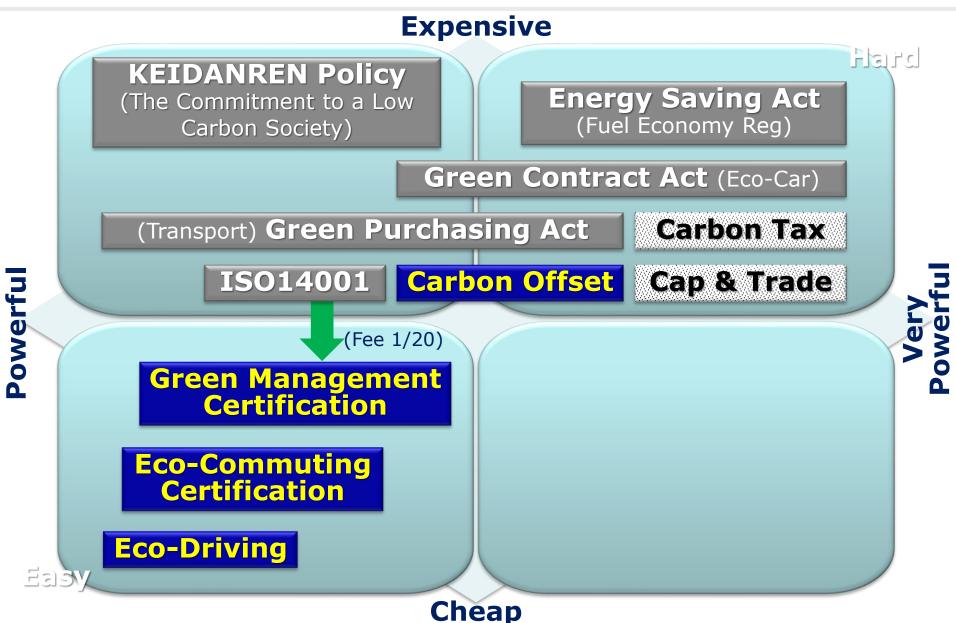
# Factors Contributing of CO<sub>2</sub> Reduction by Integrated Approach



Main factors to reduce CO2 in the road transport sector in Japan.

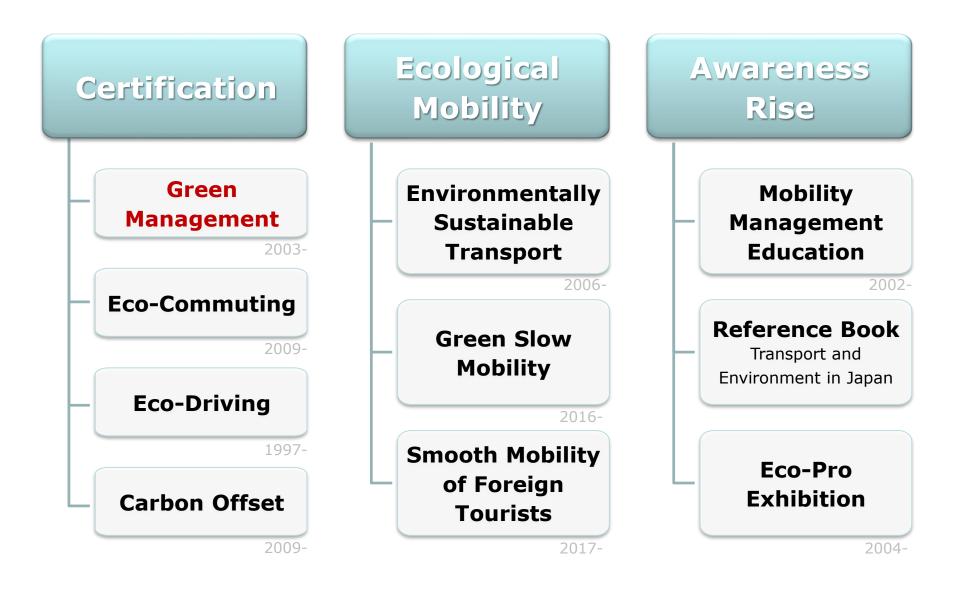


# **Cost Performance of Policies**





Even the second second







#### Comparison between Green Management and ISO

	Eco-Mo GM	ISO14001
Sector Coverage	+ <sup>*1</sup>	+++
Less Certification Fee	+++	+
<b>Onsite Review</b>	++ 2 years	+ every year
Less Renewal Fee	+++	+
Less Requirement	+++	+
Less Workload	+++	+
Direct Effect	+++	+++
Indirect Effect	++	++

\*1 Truck, Bus, Taxi, Warehouse, Port Transportation, Domestic Passenger Shipping, Domestic Cargo Shipping





#### Overview

- MLIT Environment Action Plan is supporting the promotion of the Green Management Certification
- Eco-Mo establishes the Green Management Manual\* of check list basis, by which transport companies can operate the Green Management
- Eco-Mo assigns third party investigation and issues the certification

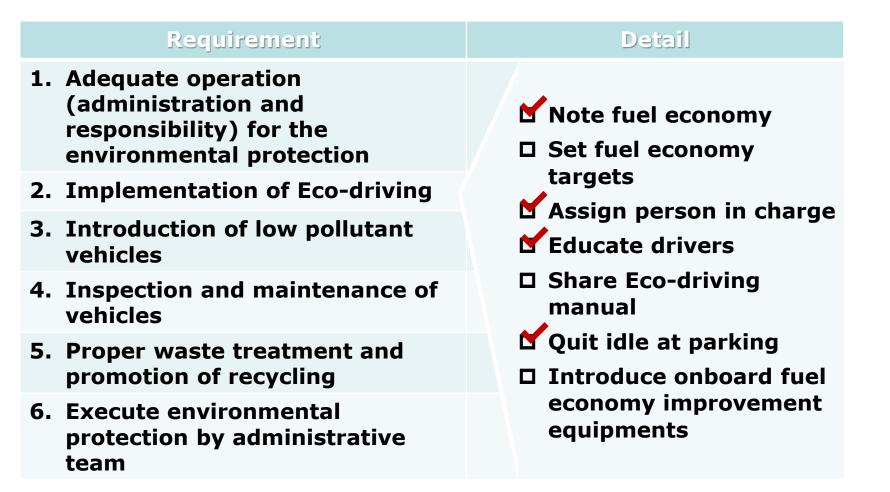
#### \*1 The Manual requires C-A-P-D cycle

Check	Find weakness & strength according to the manual
Act	Take measures for weakness & strength
Plan	Make or modify action plan
Do	Complete the plan; Repeat C-A-P-D





#### Example of the check list



Threshold: 36 items out of 67 in total



Foundation for Promoting Personal Mobility and Ecological Transportation



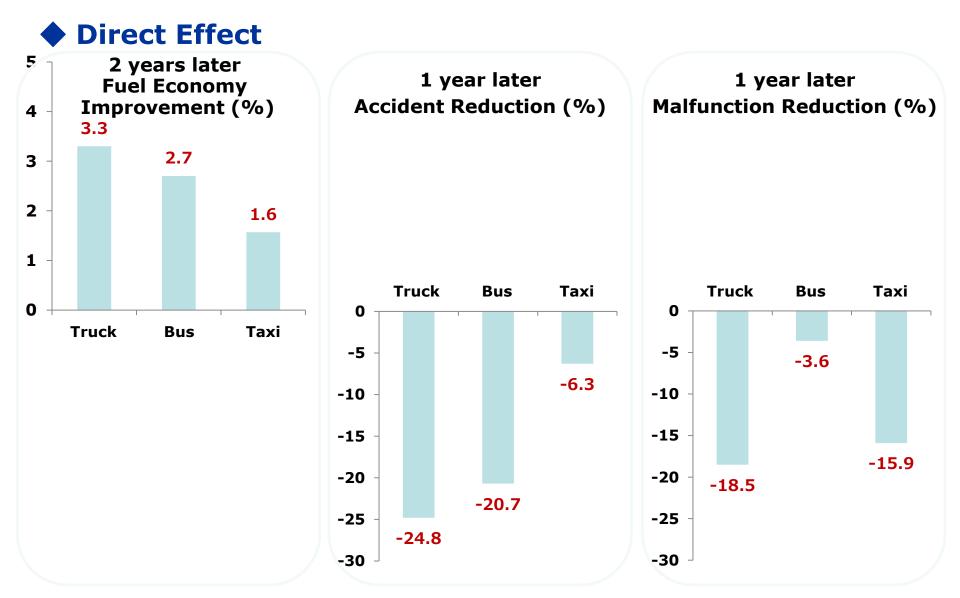
#### **Incentives**

Law/ Rule/ Organization	Incentive	
1. Energy Saving Act	Priority Procurement	
2. Green Purchasing Act		
3. Chartered Bus Procurement Guideline		
4. Community Bus Procurement Guideline		
5. Excellent HV/CNG Truck/Bus Subsidy	<b>Condition Mitigation</b>	
<ol> <li>Excellent HV/CNG Truck/Bus Subsidy</li> </ol>		
7. 8 Local Governments, 37 Truck Associations	<b>Certification Fee Subsidy</b>	
8. 41 Banks, 1 Insurance	Low Interest Loan	



# **Green Management Certification**

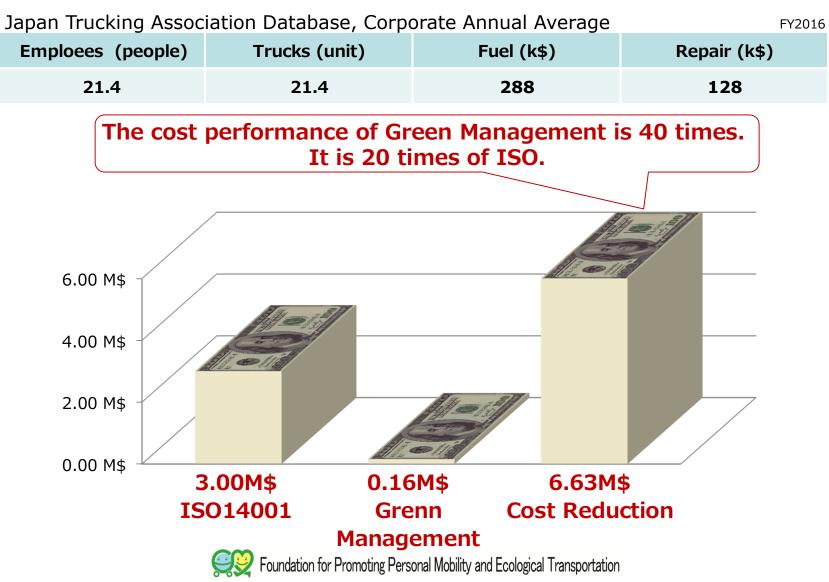






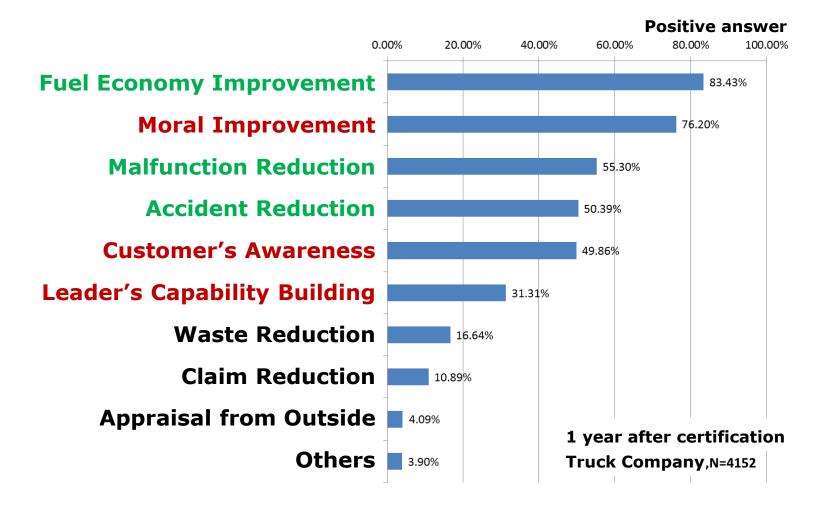


#### Conversion to money

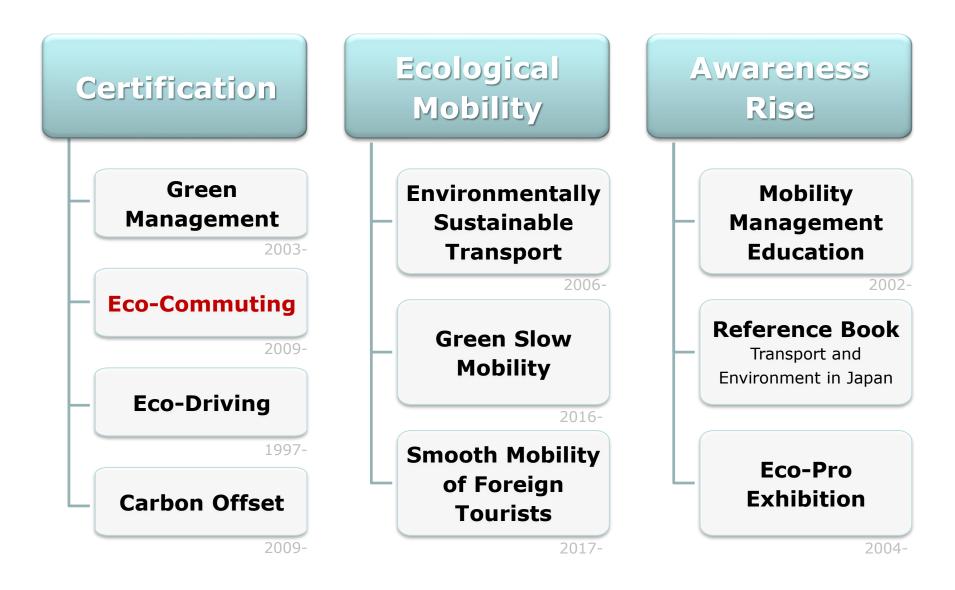




#### Indirect Effect





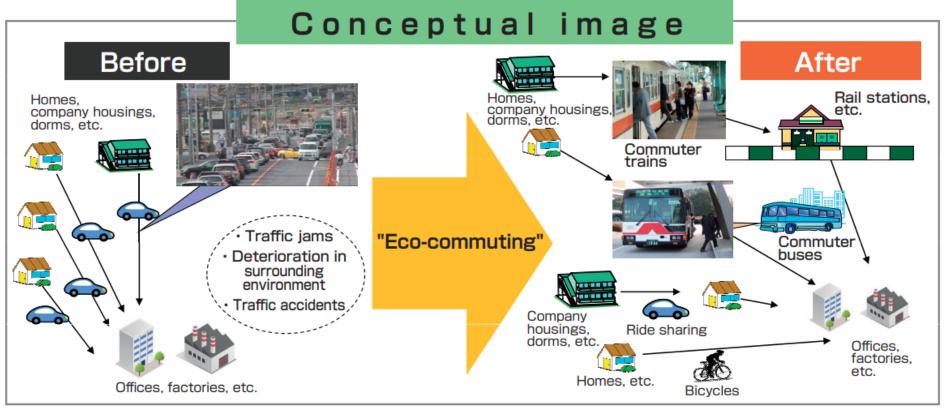




# **Eco-Commute Certification**



"Eco-commuting" is an approach that encourage company workers to change their means of commuting from private cars to public transport, bicycles and on foot.



Sources: MLIT



#### Overview

- Encourage employee's commute behavior change from passenger car to public transportation/bicycle/walk
- MLIT promotes Eco-Commute and issues a guideline
- Eco-Mo certifies an office promoting the Eco-Commute

#### Certification conditions

- Assign a person in charge
- Check each employee's commute behavior
- Make an action plan
- Show efforts, i.e. announce, post

### Effectiveness

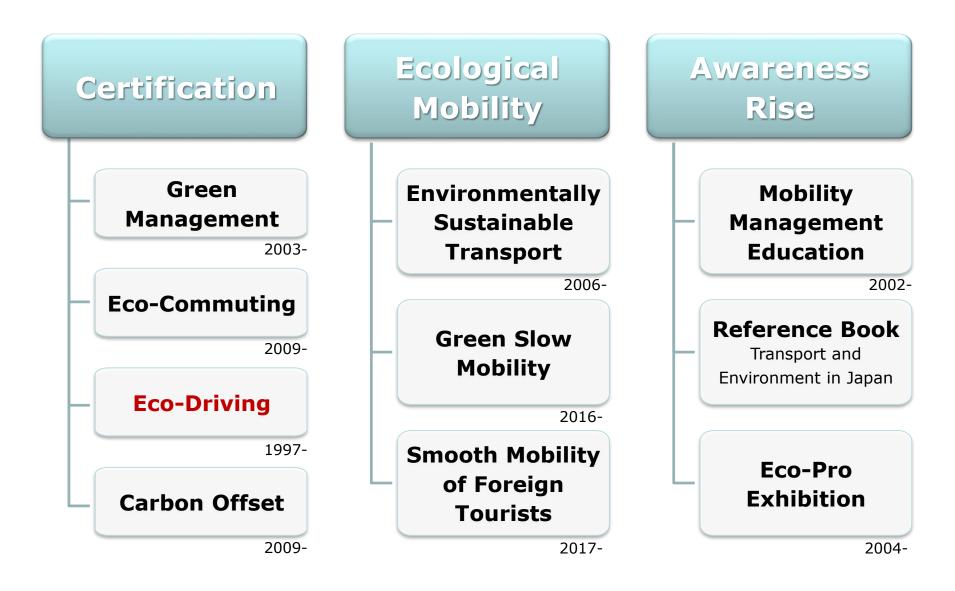
 Global warming, Health, Parking lot, Congestion, Safety

#### Situation

• 655 offices are certified









# **Eco-Driving**



- Certification for training programs of Eco-driving educational organizations (Truck manufacturers, Sales dealers, Local truck associations and Driving schools)
- Certification for education completion of students

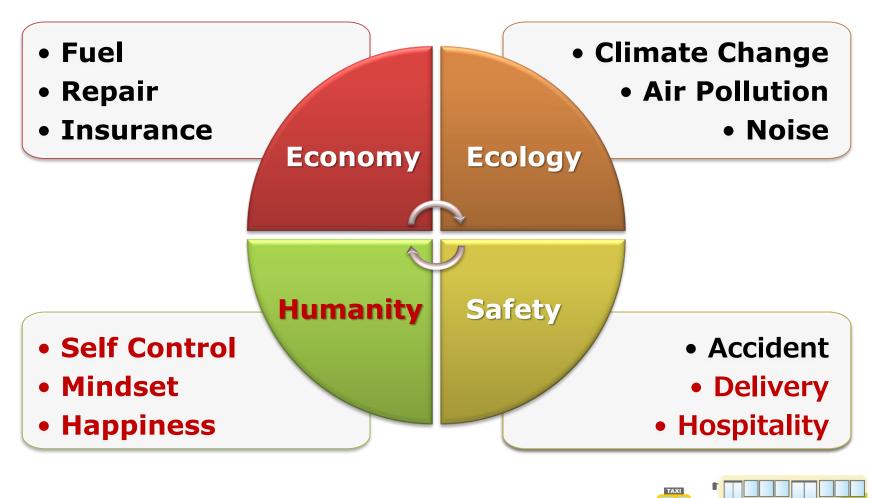




# **Eco-Driving**



#### Expected further improvements





# **Eco-Driving**



#### Eco-Drive United Nation Declaration

#### **Guiding Principles of EcoDrive:**

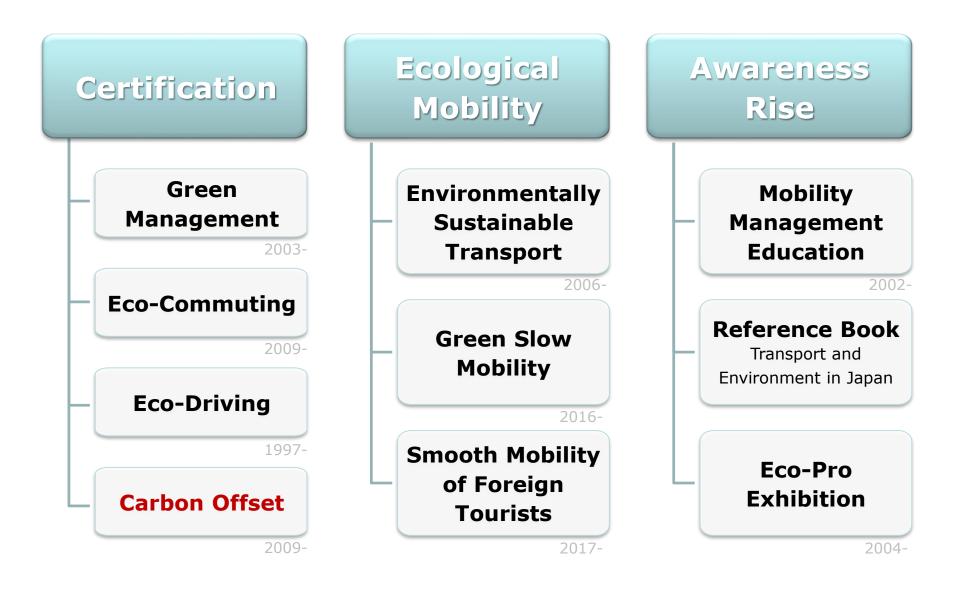
- 1. Reduces CO2 levels, which positively contributes to our future.
- 2. Saves lives by reducing accidents.
- 3. Preserves fuel resources.
- 4. Makes driving safer, more relaxed and convenient.
- 5. EcoDrive lowers stress, which improves health.
- 6. EcoDrive encourages courtesy and culture of respect, which strengthens a feeling of well-being among all of us.
- 7. EcoDrive can be done anytime, anywhere and by anyone.

#### Methodology:

- 1. Accelerate Gently.
- 2. Maintain a steady speed and keep a safe distance to the car in front.
- 3. Slow down by releasing the accelerator.
- 4. Make appropriate use of air conditioner.
- 5. Do not idle the engine while standing still.
- 6. Plan your trip to avoid congested route.
- 7. Check the tire pressure regularly.
- 8. Avoid unnecessary loads to reduce weight.
- 9. Respect Parking rules and regulations.
- 10. Monitor the Fuel Efficiency.

http://www.asua.ne.jp/conference/declaration.pdf



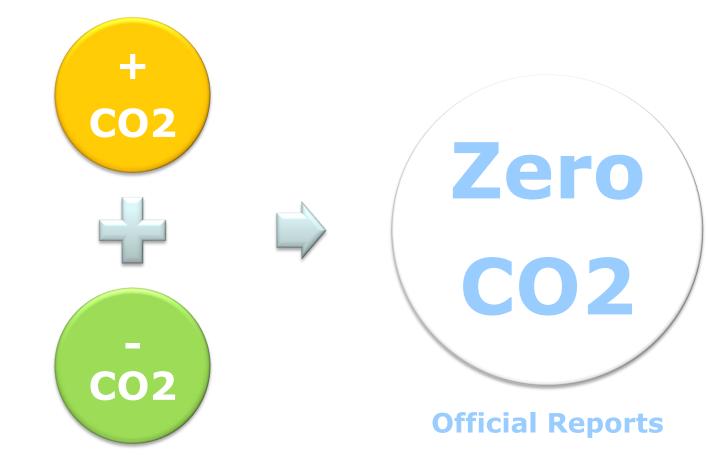




# **Carbon Offset for Transport & Tourism**



#### **Corporate Activities**



**National Official Credits** 



Soundation for Promoting Personal Mobility and Ecological Transportation



#### Carbon Offset Web Support System



Apply for use of Web

**Pay Annual Web Fee** 

**Purchase Carbon Credit** 

**Operate Offset Project** 

# **Report Offset**

# **Issue Certificate**



Foundation for Promoting Personal Mobility and Ecological Transportation

# **Thank You**

http://www.ecomo.or.jp/english/tej.html



EXE Foundation for Promoting Personal Mobility and Ecological Transportation