



Transit Oriented Development and Smart Growth

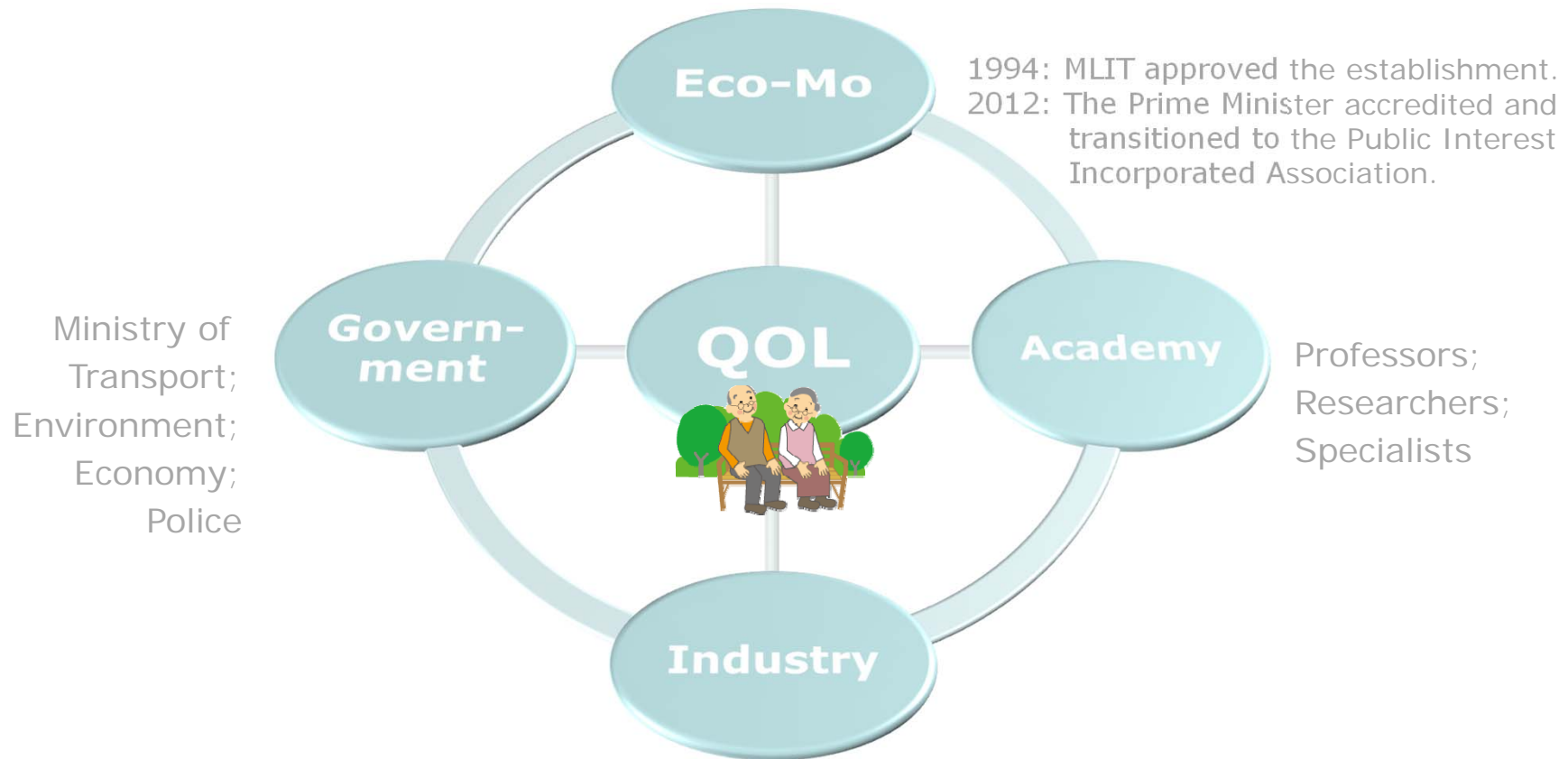
Case of Green Slow Mobility

Hirotsugu Maruyama
General Manager

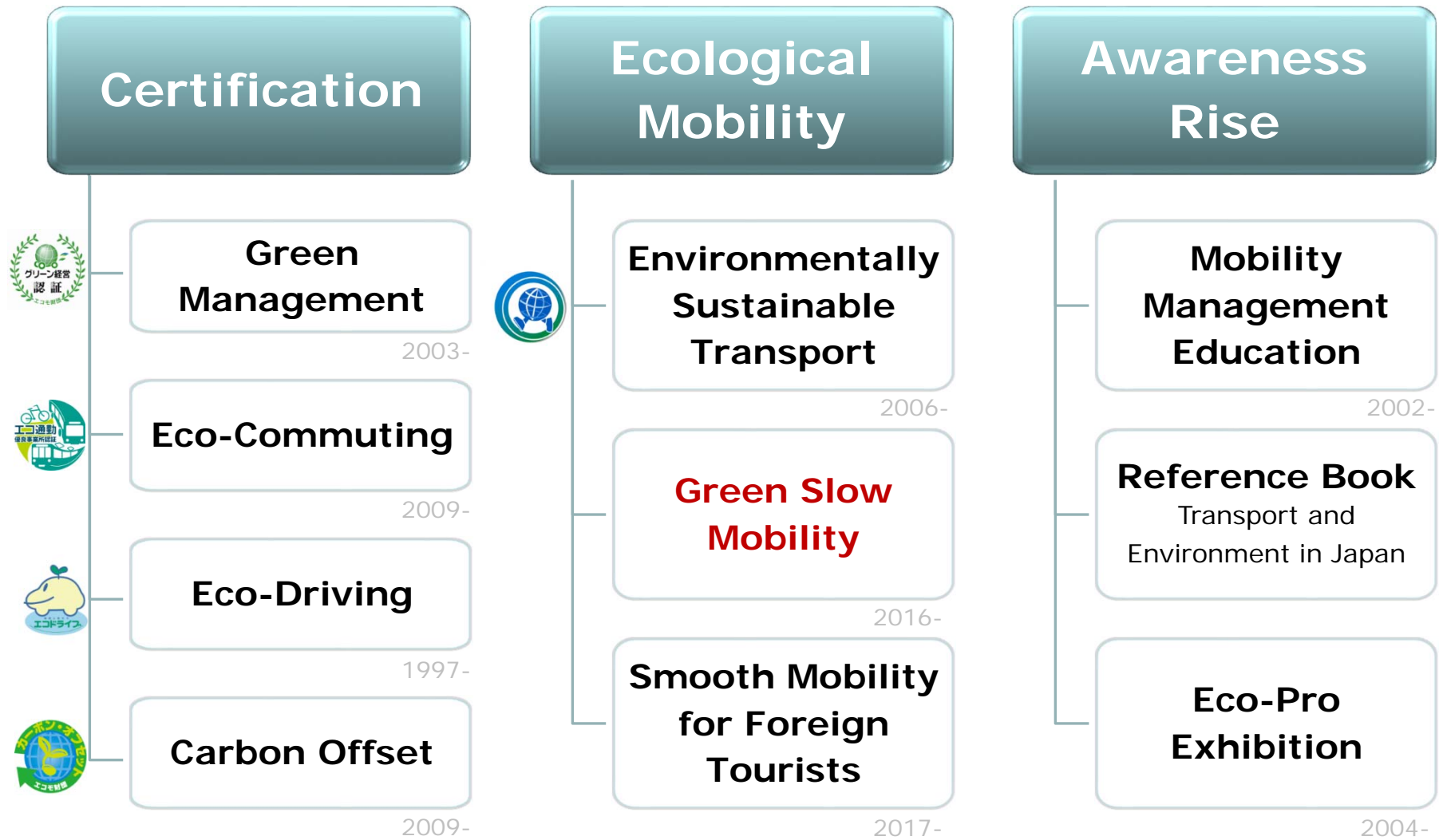
Foundation for Promoting Personal Mobility and Ecological Transportation

What is Eco-Mo Foundation

Ecological and barrier-free mobility for a better QOL



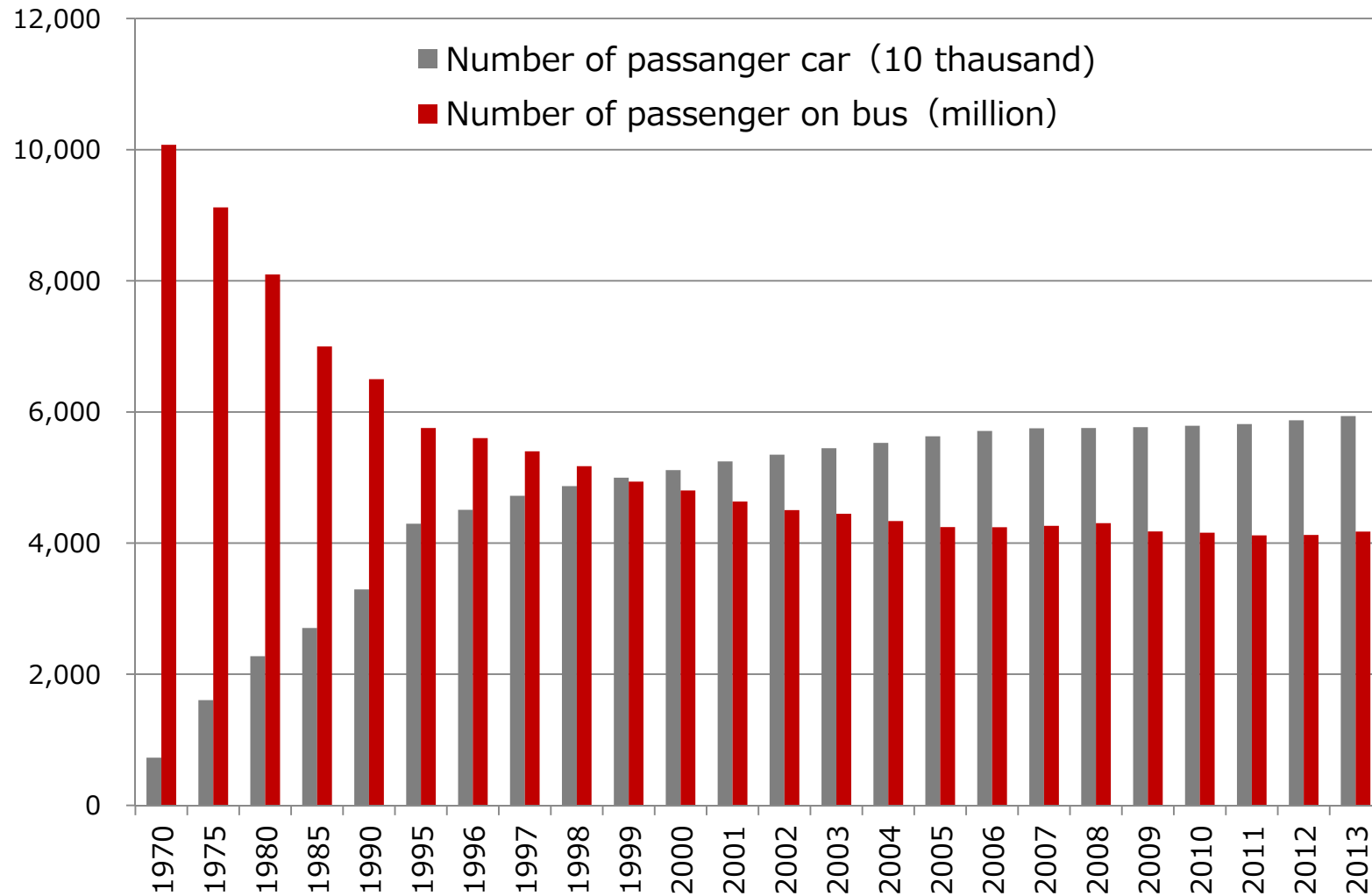
10 Projects of Environmental Transport Promotion Division



Ecological Mobility



Deterioration of public transportation

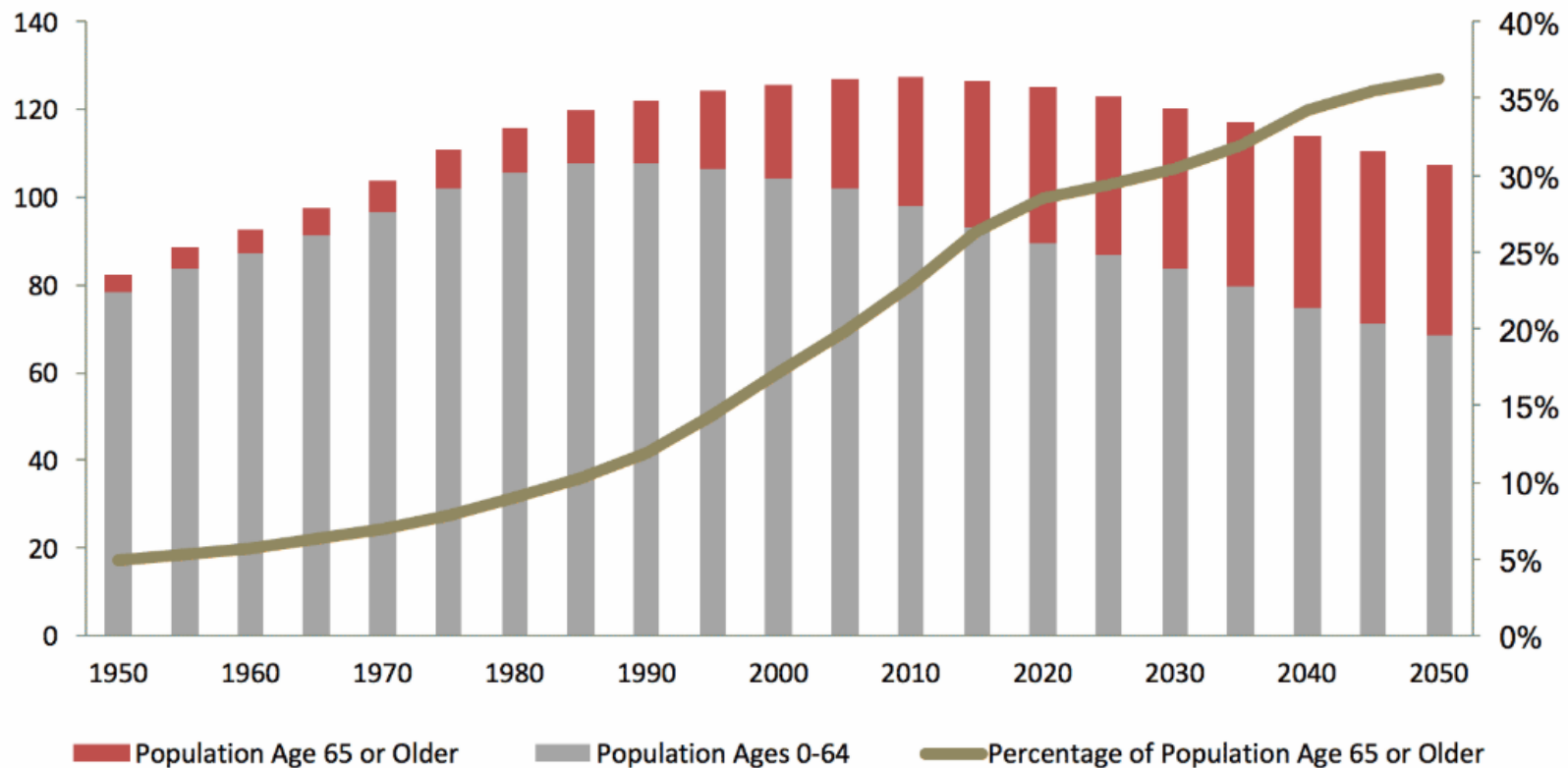


Source: http://www.mlit.go.jp/sogoseisaku/transport_policy/sosei_transport_policy_fr1_000010.html



Aging

Japan Graph 1 Population by Age Group (in Millions) and Percentage of Population Age 65 or Older



Source: UN Population Division, OECD



Wajima City



What is Green Slow Mobility

- ✓ Battery EV, A speed limit of 20km/h, Four or more passengers
- ✓ Low speed deregulation: Seatbelts-free
- ✓ No type-approval: Crash test exemption
- ✓ Easy to get on and off: A low floor, a high roof, no doors, a solid handrail and a high seat position
- ✓ Example: “Conventional electric golf car” + “Speed Limiter” + “Headlights” + “Back mirror”

Feature	Positive	Negative
Slow (20km/h)	Faster than walking, Relaxed, Close communication, Safer for the elder	Slower than vehicle
Open	Easy access Can feel direct air and smell	Wet on rain (avoid by rain cover)



History of GSM promotion

2014

- Wajima Chamber Commerce started the first GSM service on a public road

2015

- Yamaha Motor Co., Ltd presented GSM promotion initiative at EST seminar

2016

- Start of a new committee for the promotion
- Feasibility study

2017

- Case study of the U.S.A.
- Public forum on possible solutions by GSM

2018

- Real-world examination by MLIT & Eco-Mo

2019

- Subsidy to vehicle procurement by MLIT & MOE





下のスーパーの英訳
走行中の映像をご覧ください

道の駅輪島ふらっと訪夢～輪島朝市～輪島キリコ会館



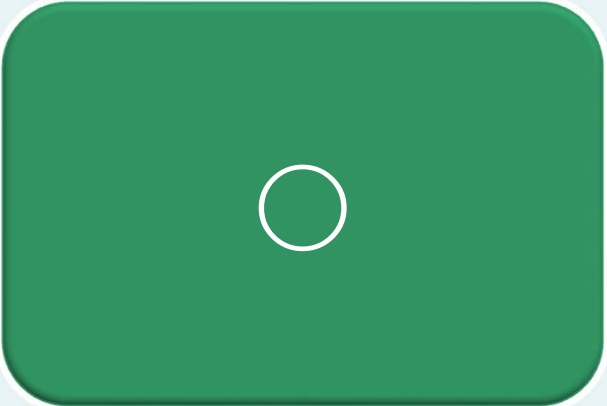



朝日新聞
DIGITAL

Obvious issues, possibly solved by GSM

			Senor	Student	Delivery	Tourist
Public road	Downtown	City			Less parking space	
		Rural				
	Local	City	Few bus and taxi			Limited schedule
		Rural				
	Mountain					
	Island		High fuel price			
Huge parking lot Amusement park		Long distance walk Heavy baggage				



Real-world examination

			Senor	Student	Delivery	Tourist
Public road	Downtown	City			N.A.	
		Rural				
	Local	City				
		Rural				
	Mountain					
	Island					
	Huge parking lot Amusement park					



The first taxi of GSM in Tomonoura city



Next step

- ✓ Nationwide promotion
 - The government provides the budget as the subsidy to vehicle procurement from 2019 to 2023.

- ✓ Business model, Profitability support
 - WAJIMA Chamber of Commerce challenges a health effect demonstration as preventive welfare to get the support of the national welfare budget for GSM service.



Thank You



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