

20-21 June 2013
BITEC, Bangkok -Thailand

AUTOMOTIVE **SUMMIT 2013**

“Moving Towards Global Green Automotive Industry”

Be Ready for Green

By



Wu, Huan

Co-organized by:



- Green is not a choice, it's a must**
- Green is not spring/summer, it's severe winter**
- Green is not only technology, it's people**



Co-organized by:



□ The challenge & practice of China auto industry

- Energy Security
- Environmental Pressure
- CO₂ Reduction to Fight Global Warming

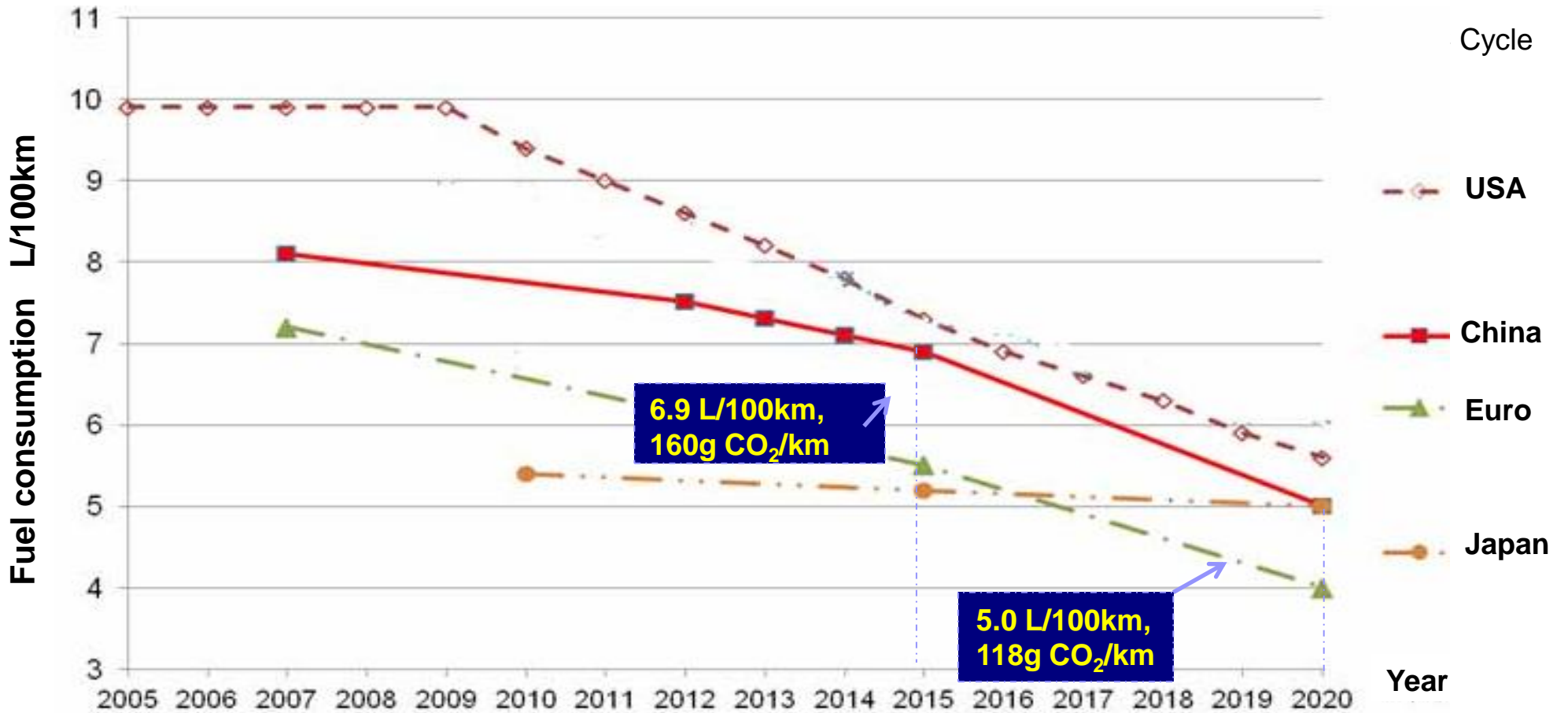


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OEM Average Fuel Consumption Regulations (Passenger Vehicles)



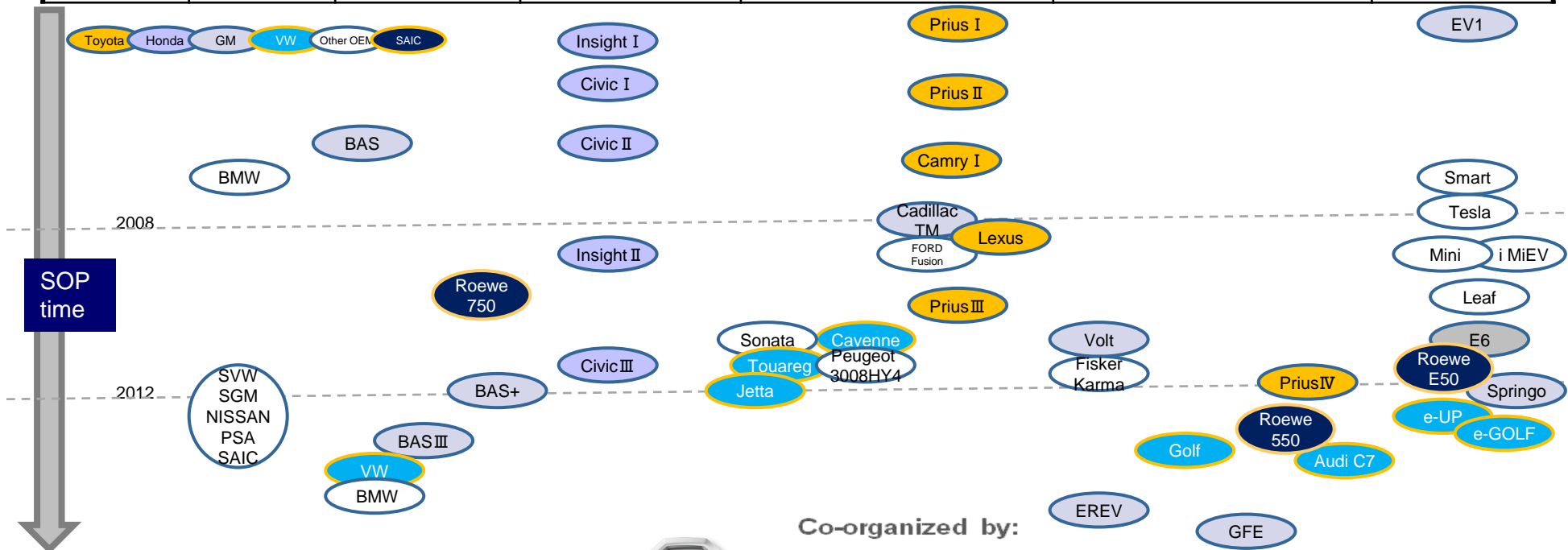
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Category	Micro Hybrid	Light Hybrid	Mild Hybrid	Strong/Full Hybrid		Plug-in Hybrid			BEV
Technology	Stop/Start	BSG	ISG (W/O Clutch)	ISG (W/t Clutch)	Powersplit	EREV	Parallel	Powersplit	BEV
System Voltage (V)	12	12-120	120-200	288-500					
E-Power(kW)	N/A	2-15	10-20	20-50	50-100	50-150			
Nominal Batt. Energy (kWh)	AGM	0.6	0.6-1.2	1.2-2.0		5-20			16-60
CO ₂ Reduction	2.5-5%	2.5-15%	around 15%	20-35%		>50%			100%



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Production Programs in SAIC Motor – 1. Roewe 750 Hybrid



Roewe 750 Hybrid

BSG Motor: 20kW, 16500 rpm

LFP high power battery: 4.4 Ah/115V

Fuel saving more than 20%

SOP date: Oct. 2011



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Production Programs in SAIC Motor – 2. Roewe E50 BEV



Roewe E50

Electric range > 120km in NEDC

0~50km/h in less than 5.3 sec

Max. speed 130 km/h

Fast and normal charging modes

Motor peak power 52 kW

Li-Ion battery, 18 kWh

SOP date: Nov. 2012

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Production Programs in SAIC Motor – 3. Roewe 550 PHEV



Roewe 550 PHEV

Electric range 58 km in NEDC

Combined fuel consumption 2.3L/100km

0~100km/h in less than 10.5 sec

1.5 L engine delivers 80kW

Two Speed Electric Drive Unit features:

twin motors / dual clutches / automatic shifting

Traction motor 50kW / ISG motor 25kW

Li-Ion battery, 11.8 kWh

SOP date: Dec. 2013

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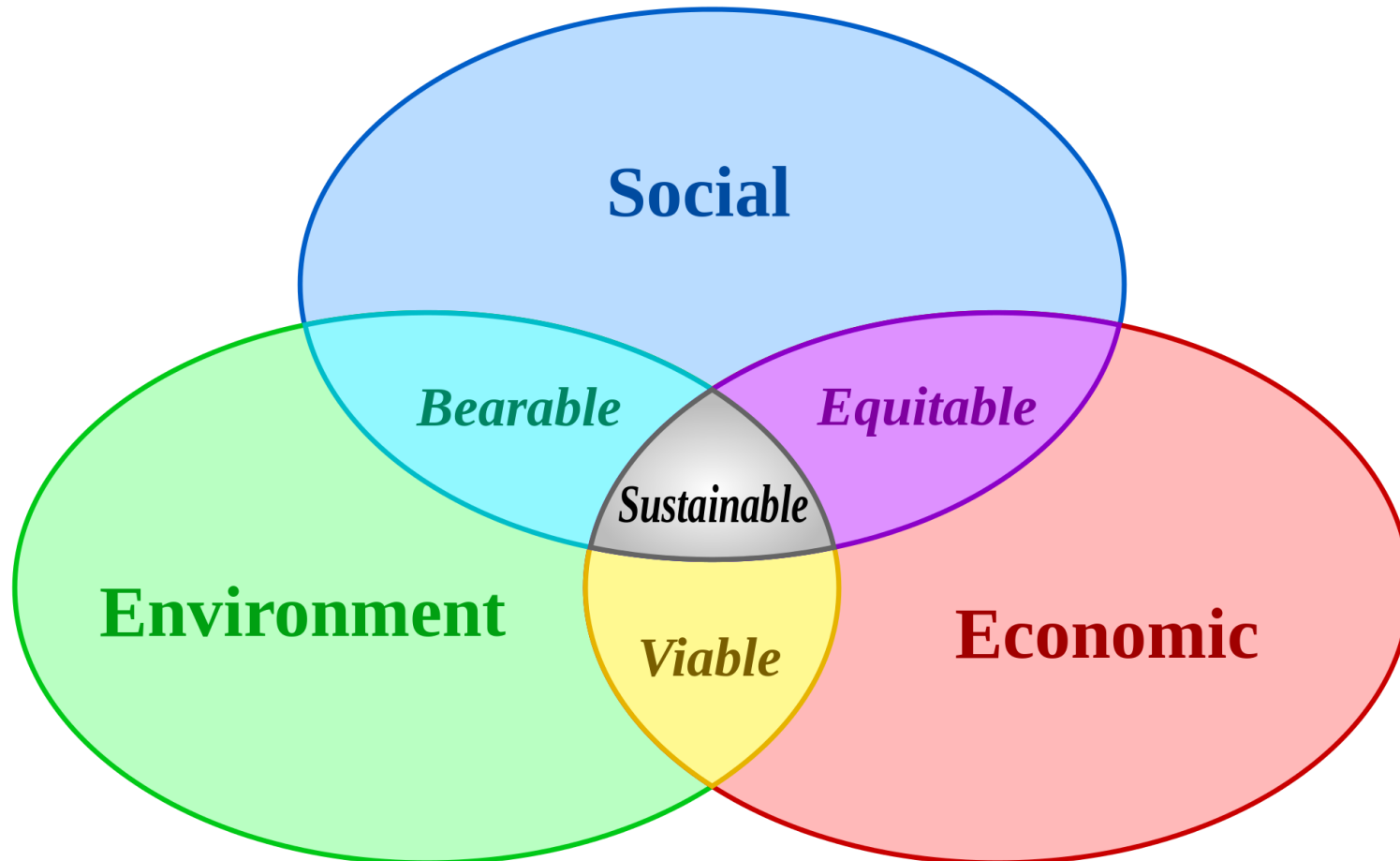


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Thank You



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