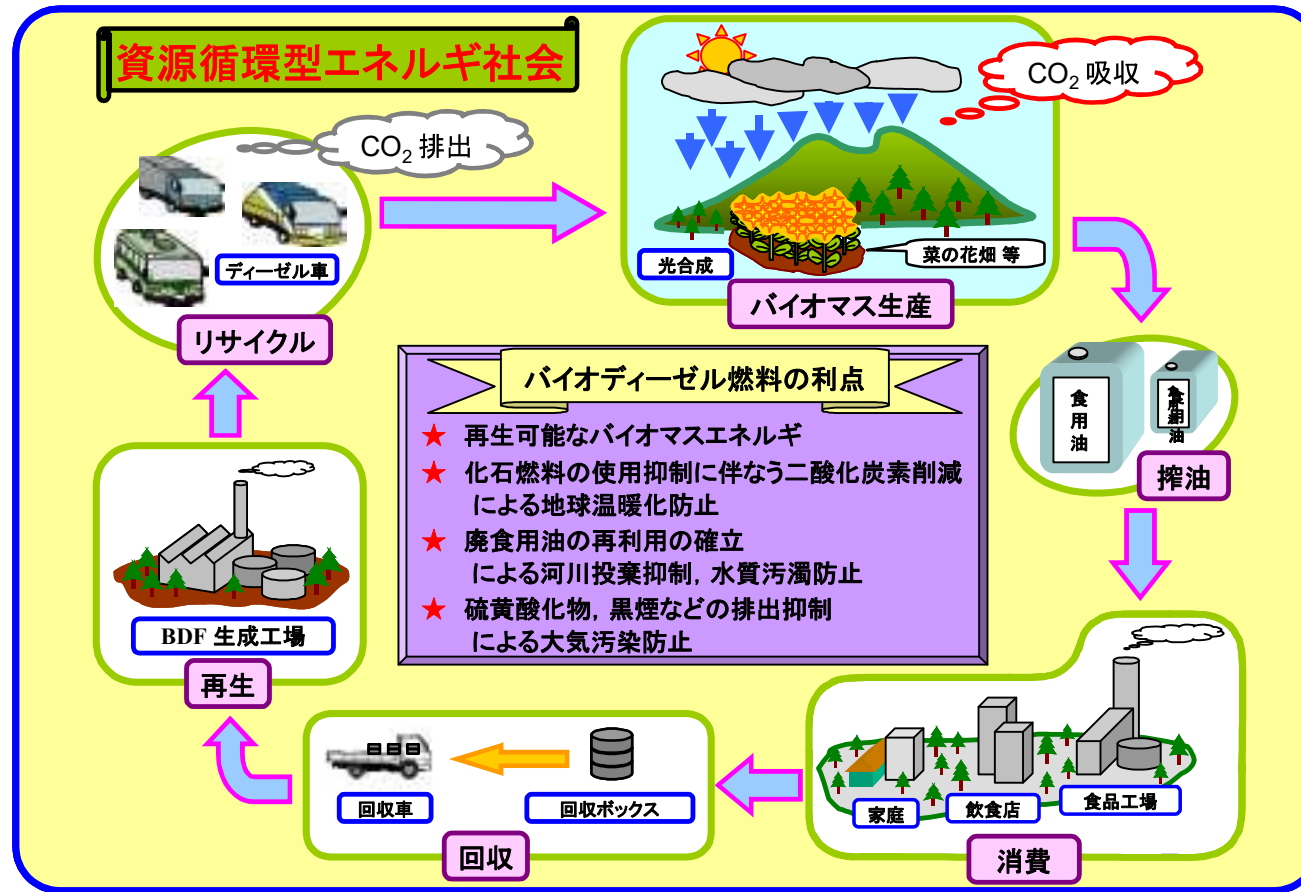


# Background

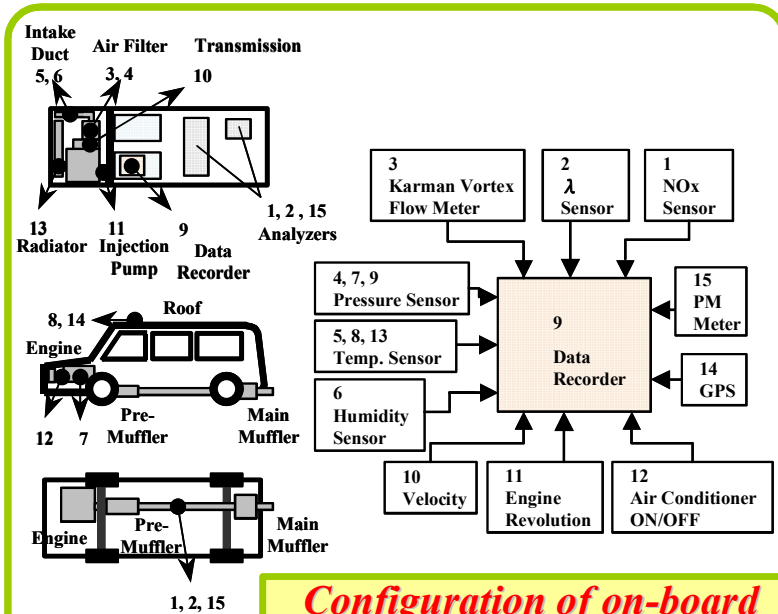


## Fuel properties

	JIS No.2 Gas oil	Bio Diesel Fuel ( B100 )
Density [kg/m <sup>3</sup> ]	832 - 838	887 - 889
Kinematic viscosity [mm <sup>2</sup> /s]	2.8	5.5
Cetane Index	55 - 56	51 - 52
Oxygen [mass%]	-	11.1 - 11.2
Sulfur [mass%]	0.02 - 0.05	0.0001
Calorific value [MJ/kg]	44.5 - 45.5	37.7

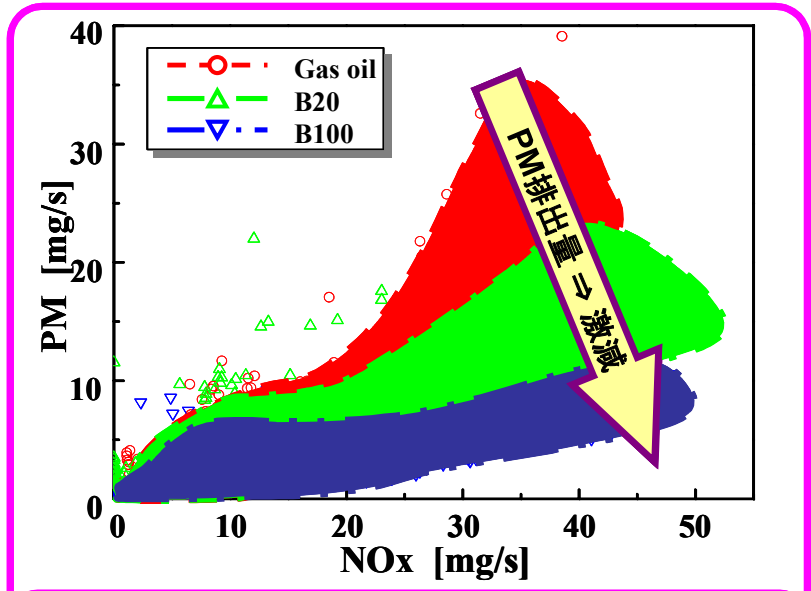


# オンボード車輻性能の測定

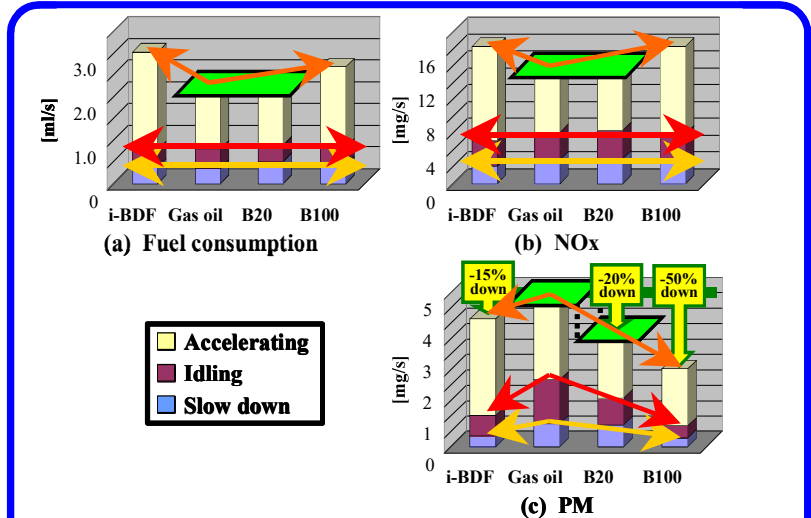


**Configuration of on-board measurement system**

Items	Specifications
Engine type	IDI diesel ; with inter-cooler and turbocharger
EGR	With
Bore × stroke [mm]	82.7 × 93.0
Engine displacement [l]	1.998
Compression ratio	22.4
Max. output [kW] / [rpm]	64.7 / 4500
Max. torque [Nm] / [rpm]	176.5 / 2500
Gearshift	4 AT
Vehicle weight [kg]	1500
Product year	1994
Running history [km]	110,000



**Correlation between NOx and PM emissions**



**Influence of 3-mode drives at intersection**