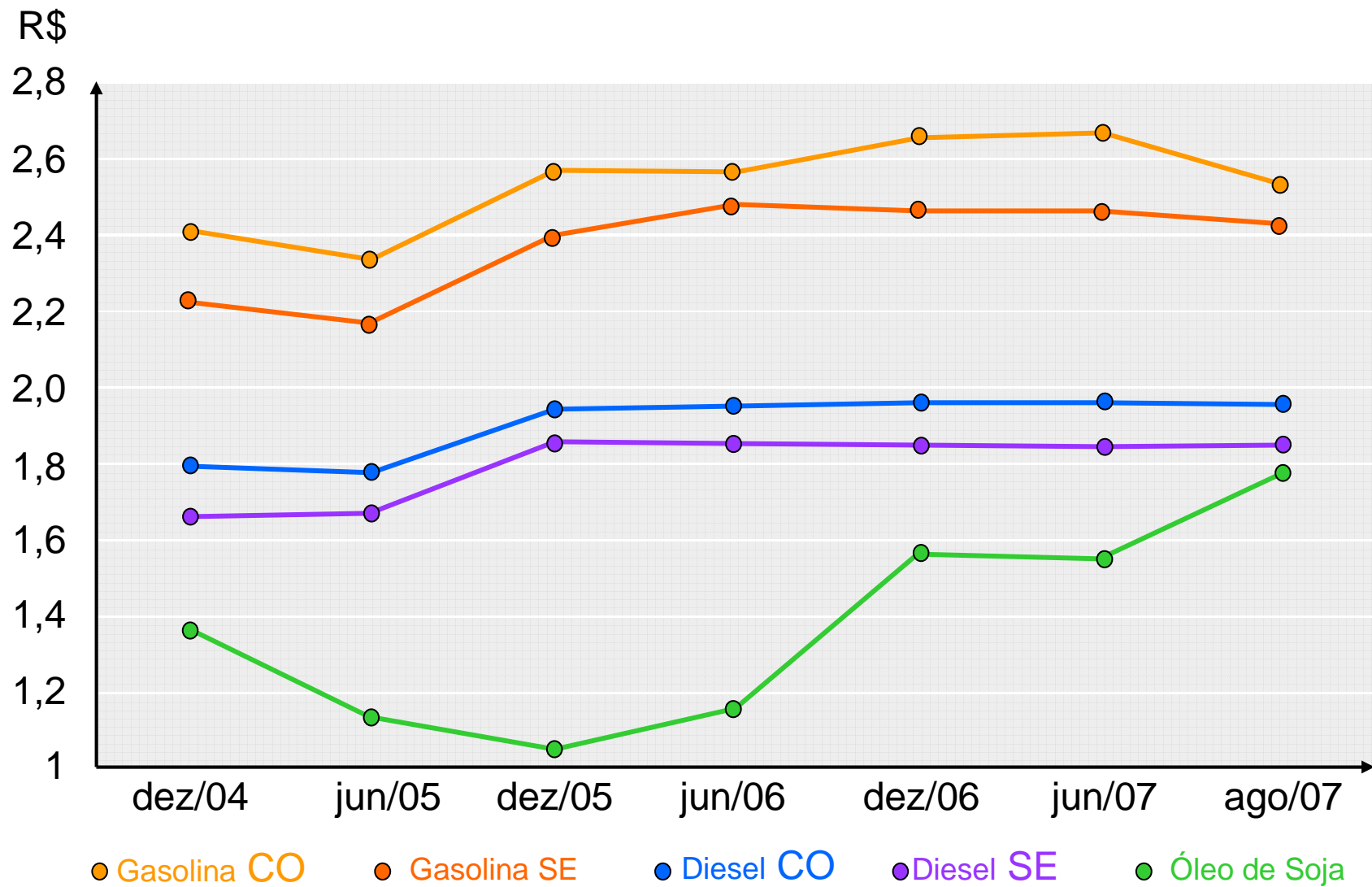


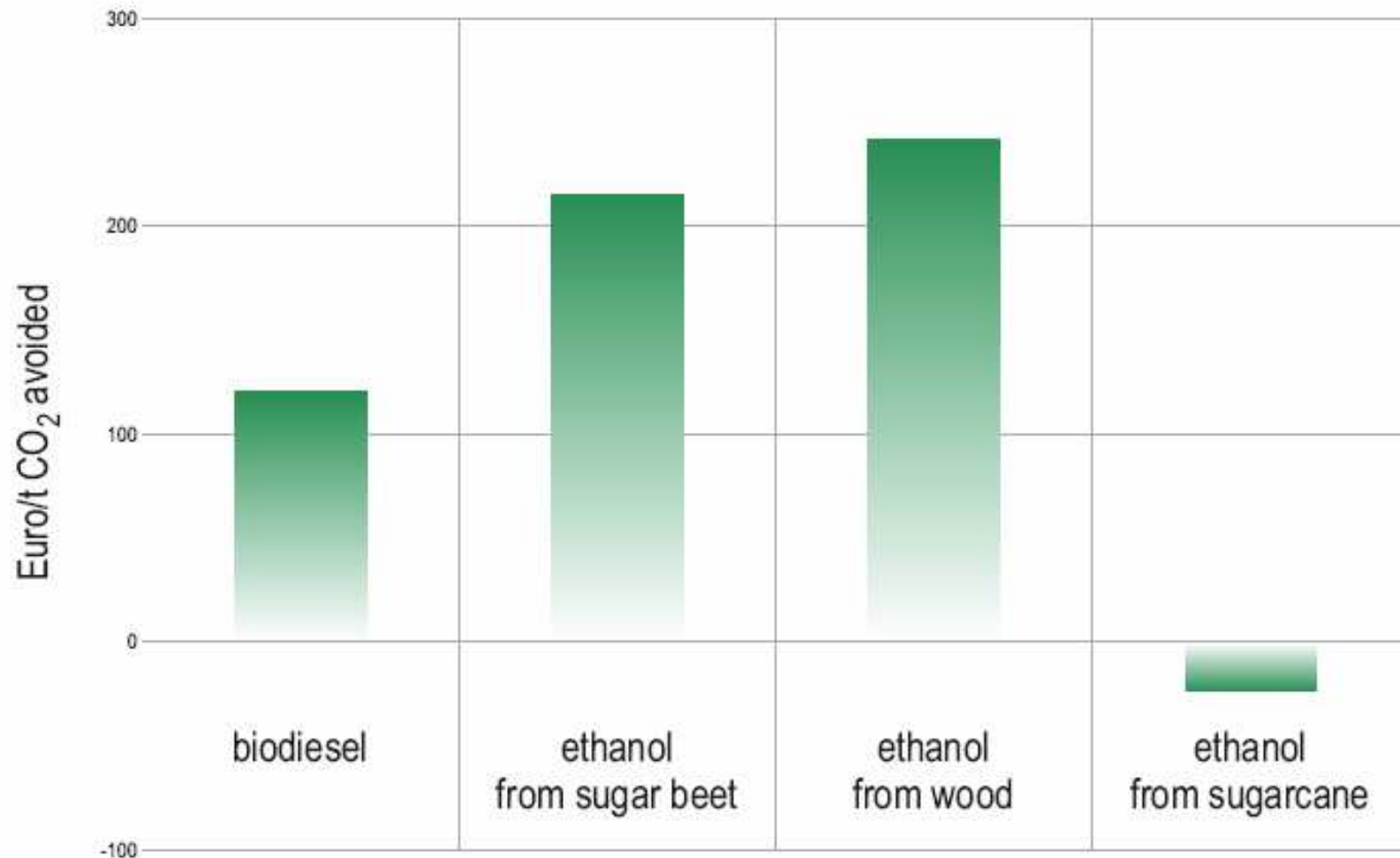
***V Fórum Brasil – Alemanha
Sobre Biodiesel***

***ILHAS DE
SUSTENTABILIDADE***

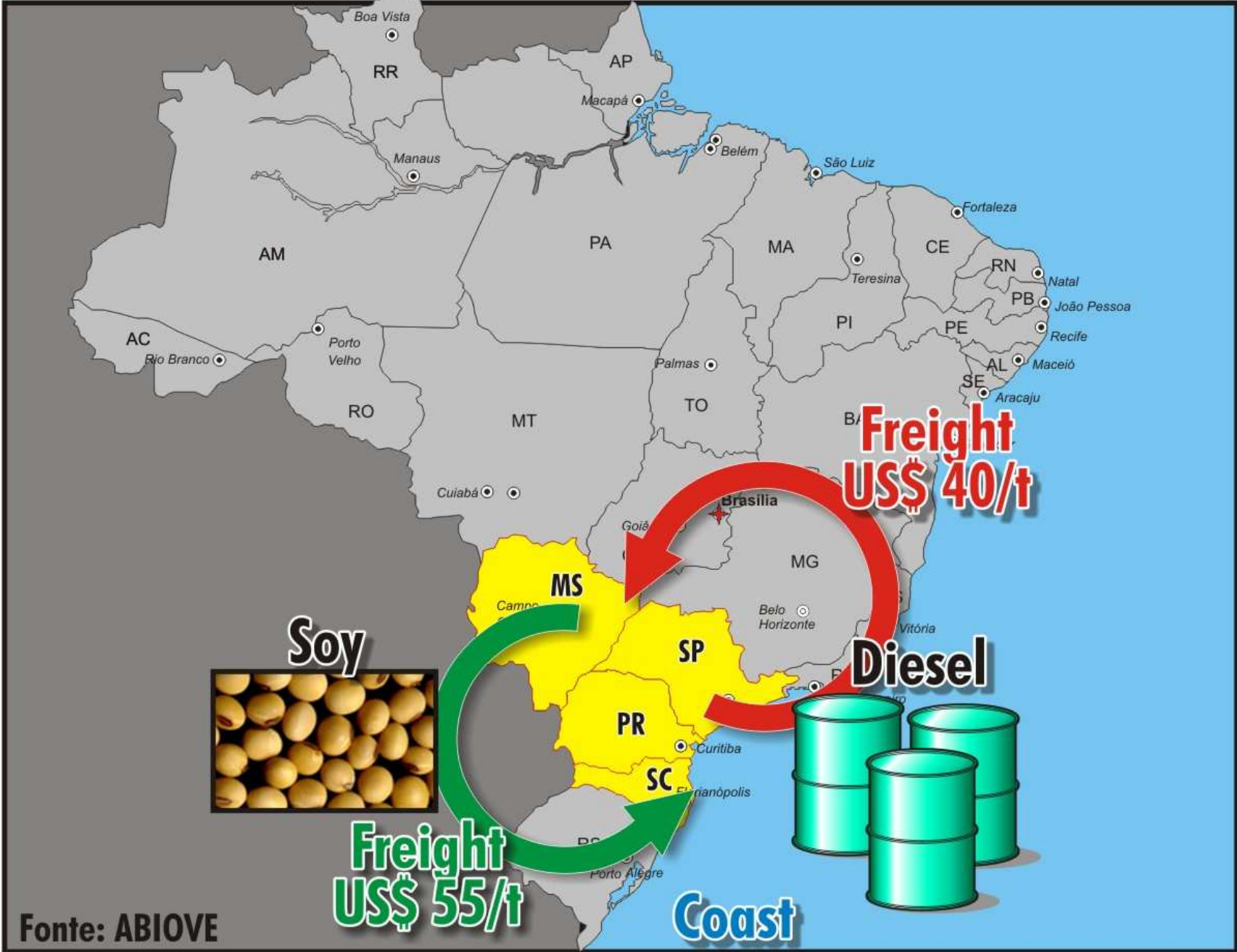
***21 de Agosto de 2007
Dr. Ernesto Moeri, Grupo ECOGEO***



Fonte: ANP, Abiove e Aboissa



Source: German Ministry for Agriculture



Fonte: ABIOVE

Investment (Integrated Biodiesel/Biogas Plant)	R\$
Transesterification BDA-1200	4,850,000
Liquids Tank Farm	850,000
Auxiliary Systems	300,000
Civil Works and Erection	800,000
Biodigestors	1,200,000
Generators (2 x 360 kWel)	1,400,000
Civil Work, Piping etc.	2,000,000
Project and Construction Management	600,000
Miscellaneous	350,000
Total Investment	12,350,000
Products	
10 mi L of biodiesel (production costs = R\$ 1.30/L)	4,000,000
550,000 kWh/month of electrical energy	1,450,000
650,000 kWh/month of heat	100,000
30,000 tons of fertilizer	90,000
CER´s (20,000t/y from biodiesel and 15,000 t/y from biogas)	1,050,000
Liquid Revenues (before depreciation)	6,690,000