

Figures

Figure 1: Fossil energy input in the production of bio-ethanol based on wheat

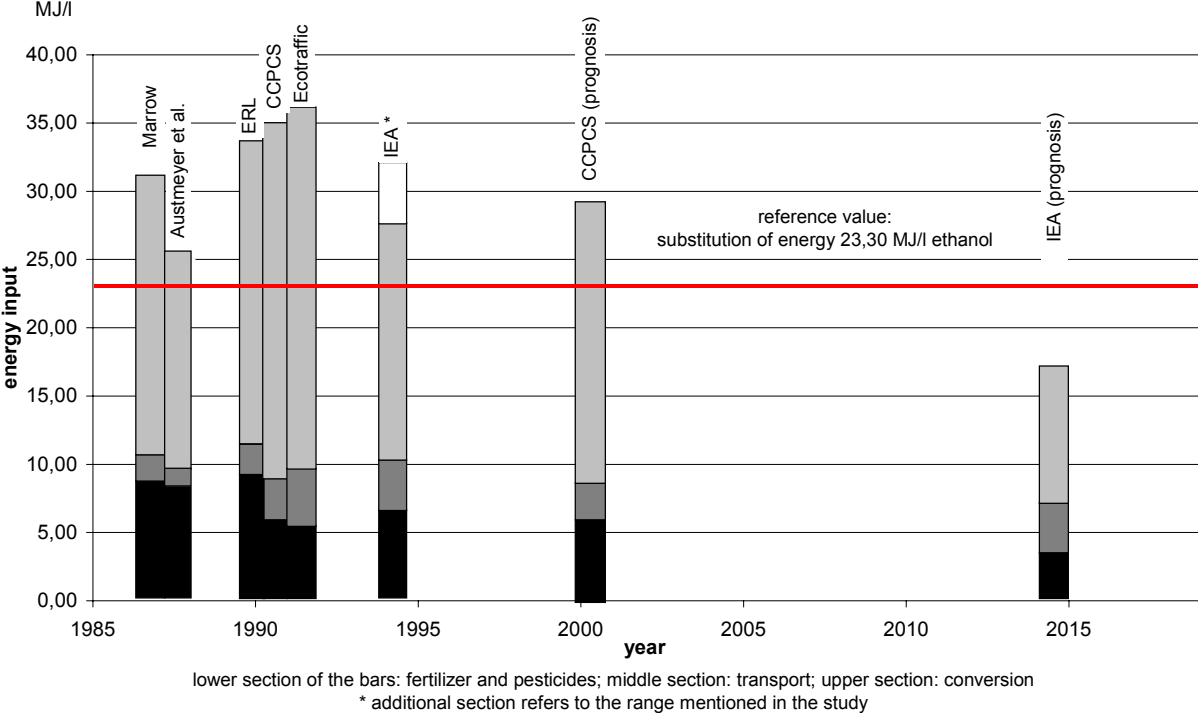


Figure 2: Fossil energy input in the production of bio-ethanol based on sugar beets

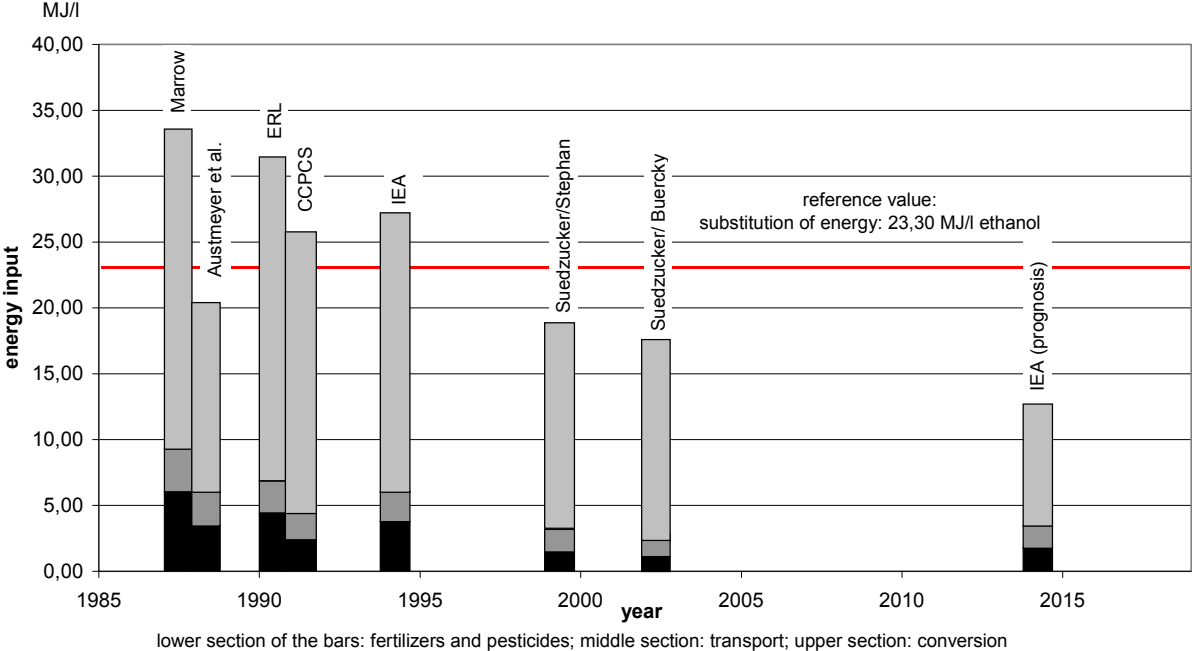
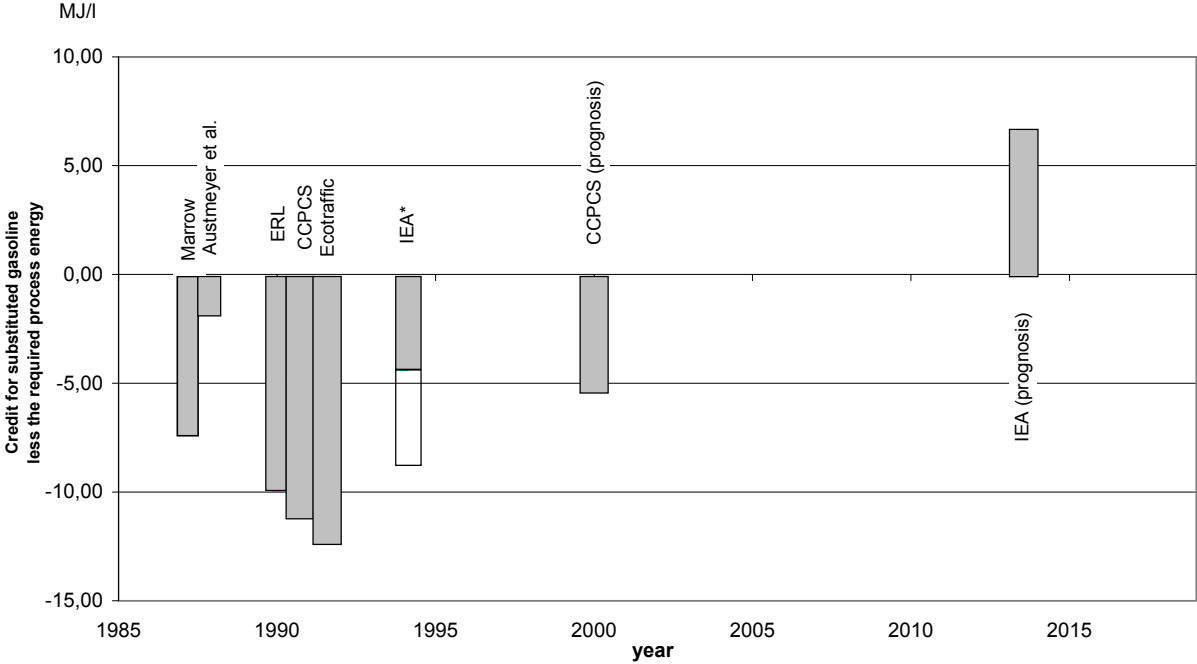
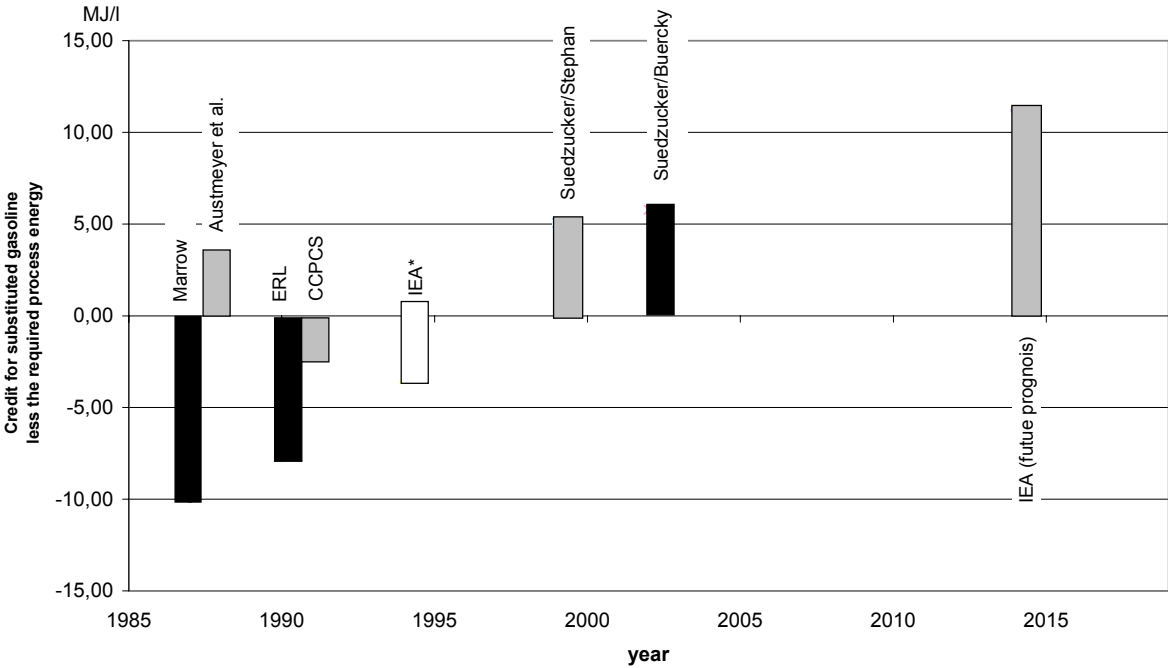


Figure 3. Net energy balance for the substitution of gasoline by bio-ethanol based on wheat



* additional section refers to the range mentioned in the study

Figure 4: Net energy balance for the substitution of gasoline by bio-ethanol based on sugar beets



* additional section refers to the range mentioned in the study

Figure 5: Fossil energy savings per hectare for different agricultural feedstock and substitution of different energy sources

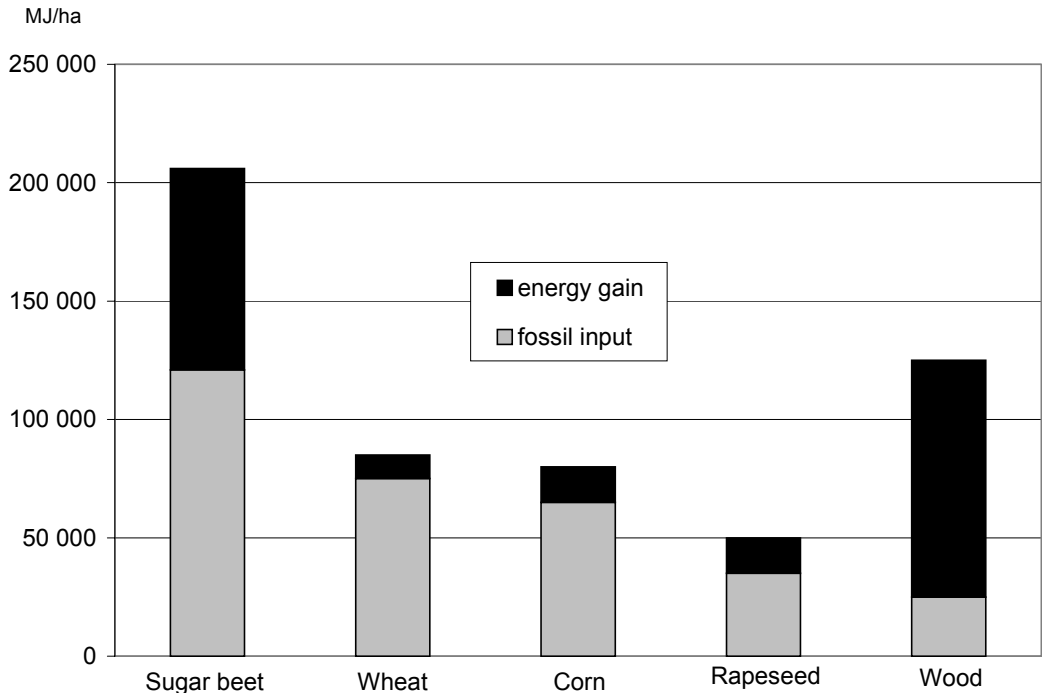
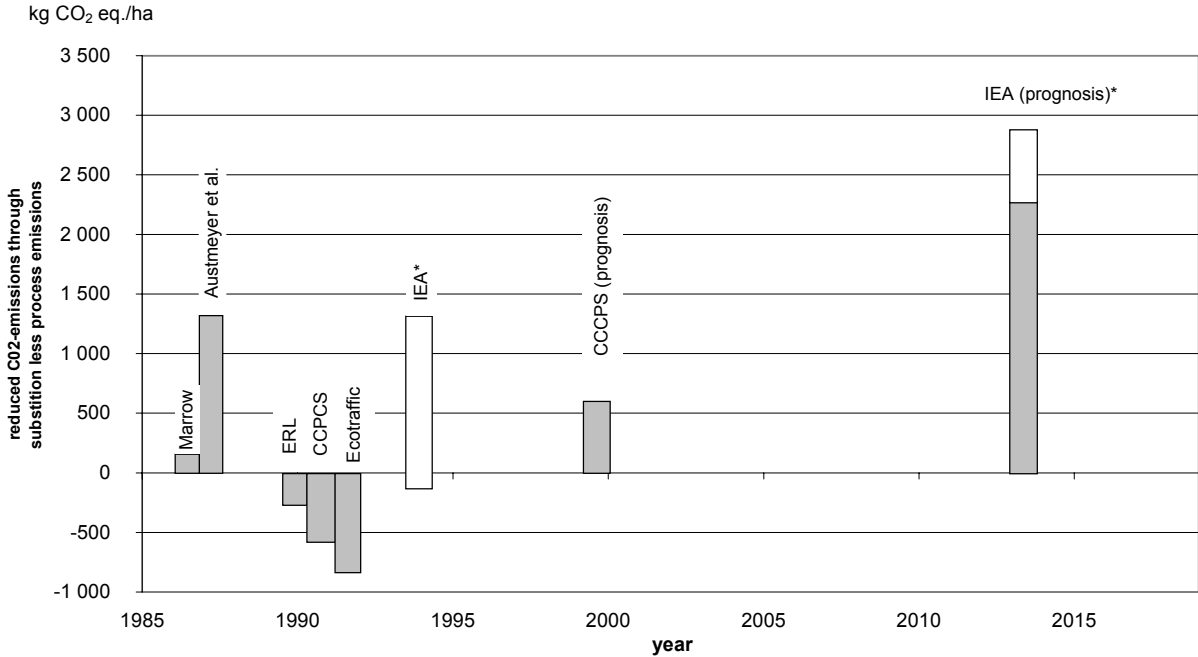
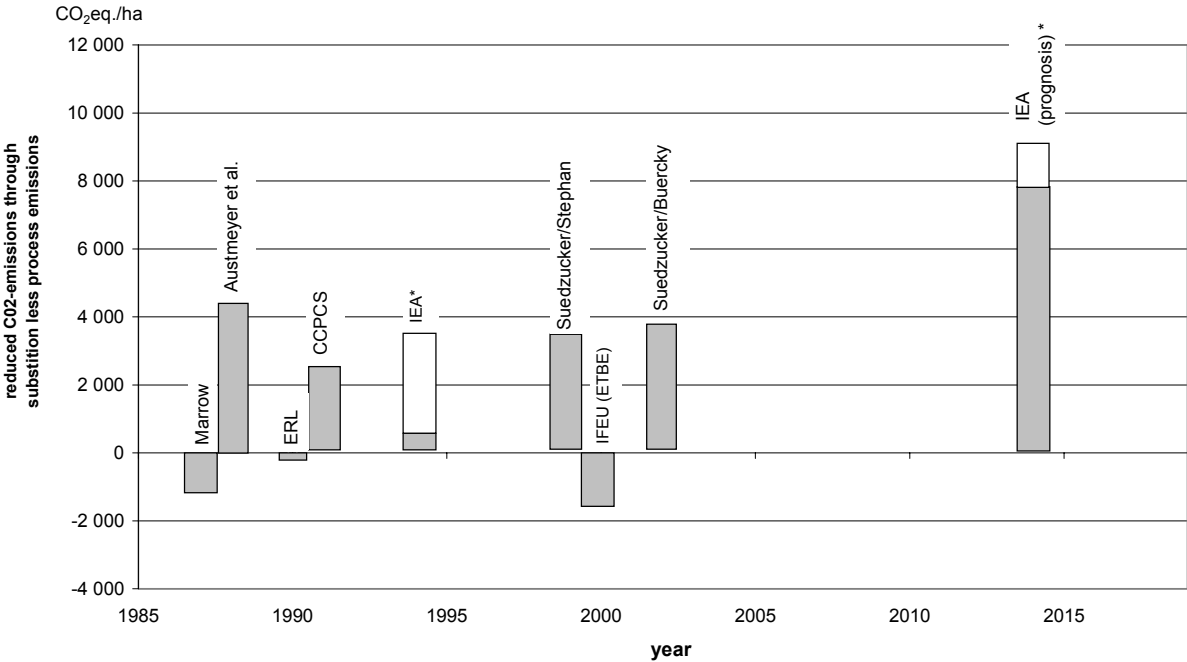


Figure 6: Net greenhouse gas balance in the production of bio-ethanol based on wheat



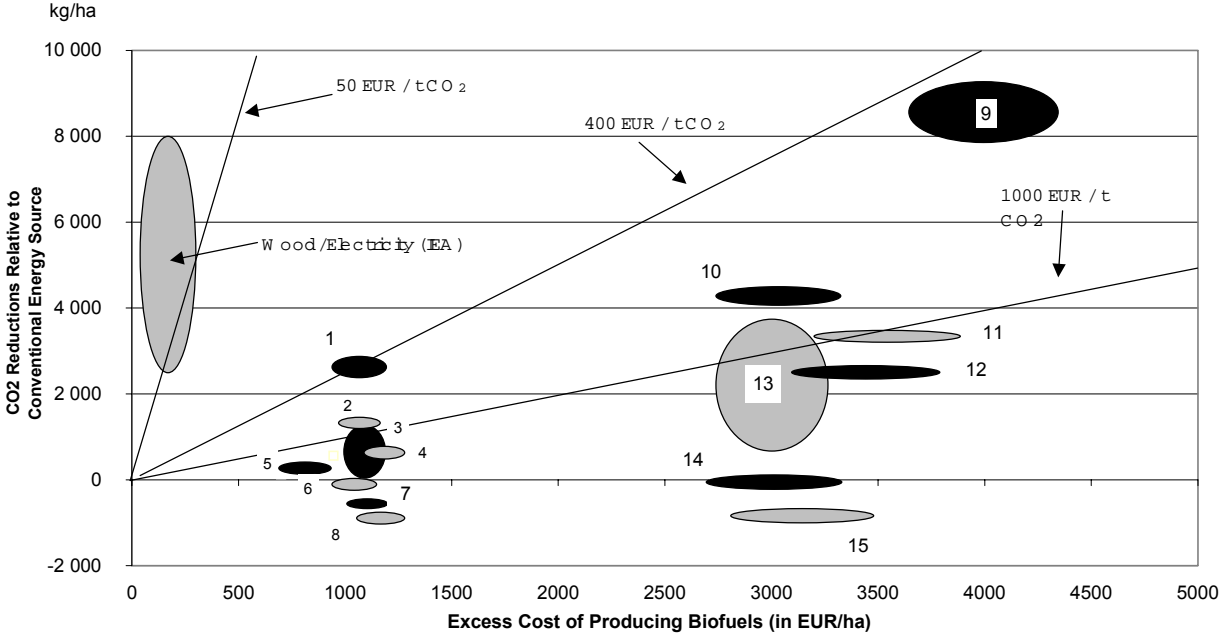
* additional section refers to the range mentioned in the study

Figure 7: Net greenhouse gas balance in the production of bio-ethanol based on sugar beets



* additional section refers to the range mentioned in the study

Figure 8: Relationship between process costs and CO₂ abatement for producing biofuels



Wheat	1 IEA (prognosis)	2 Austmeyer et al.	3 IEA	4 CCPCS (prognosis)
	5 Marrow	6 ERL	7 CCPCS	8 Ecotraffic
Sugar beets	9 IEA (prognosis)	10 Austmeyer et al.	11 Suedzucker (Buercky & Stephan)	
	12 CCPCS	13 IEA	14 ERL	15 Marrow