

Biomasse: Overview in Europe



Pisa, 15. June 2005

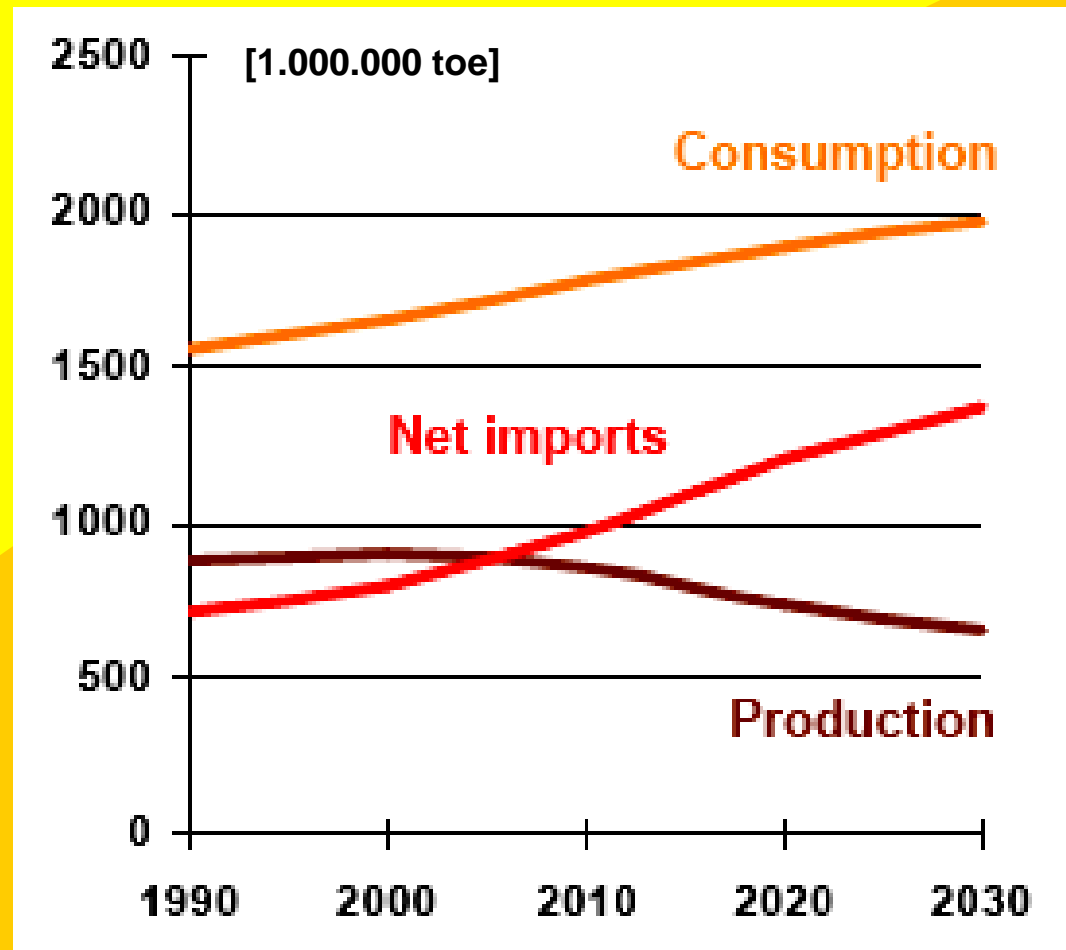


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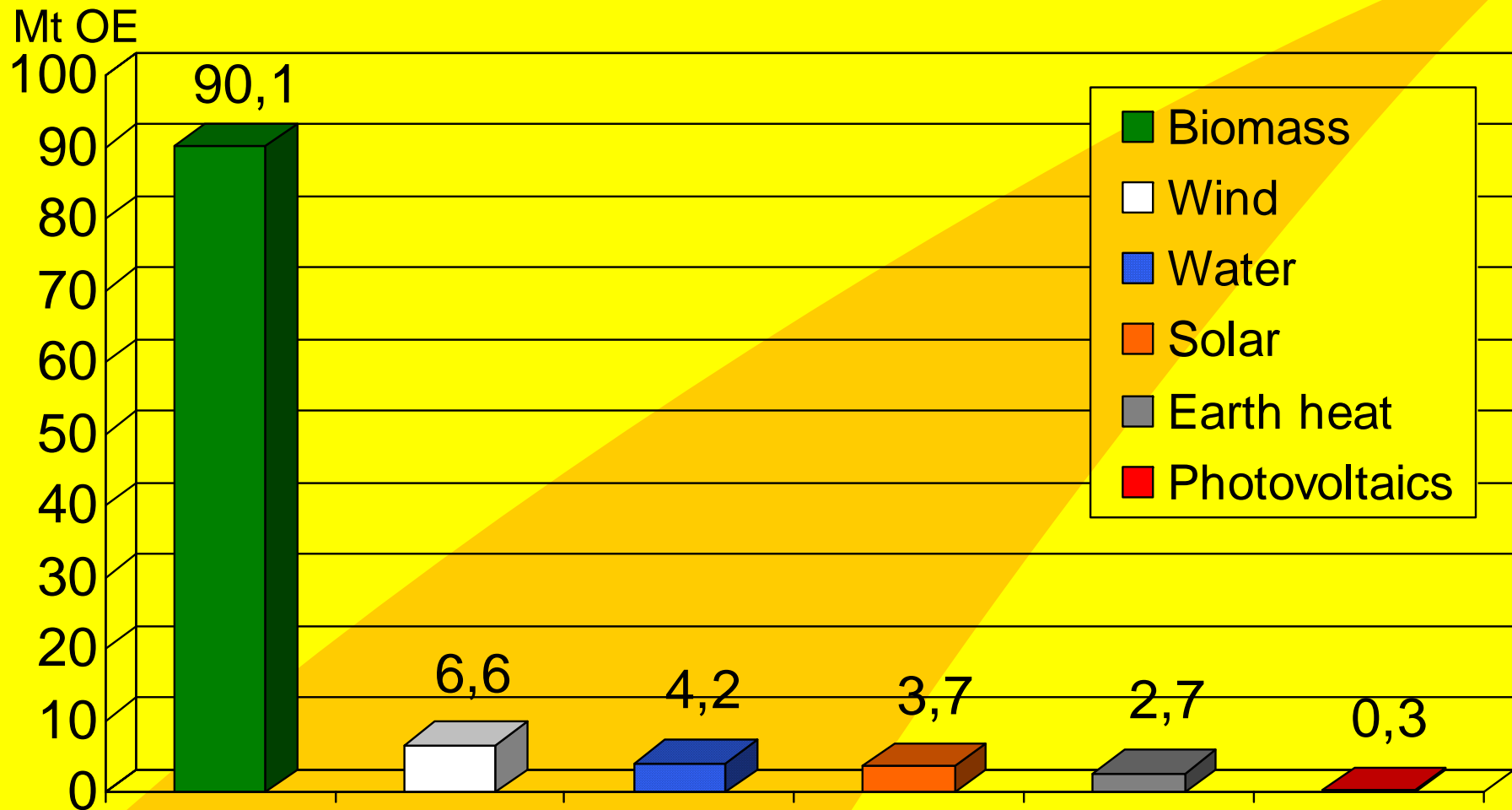
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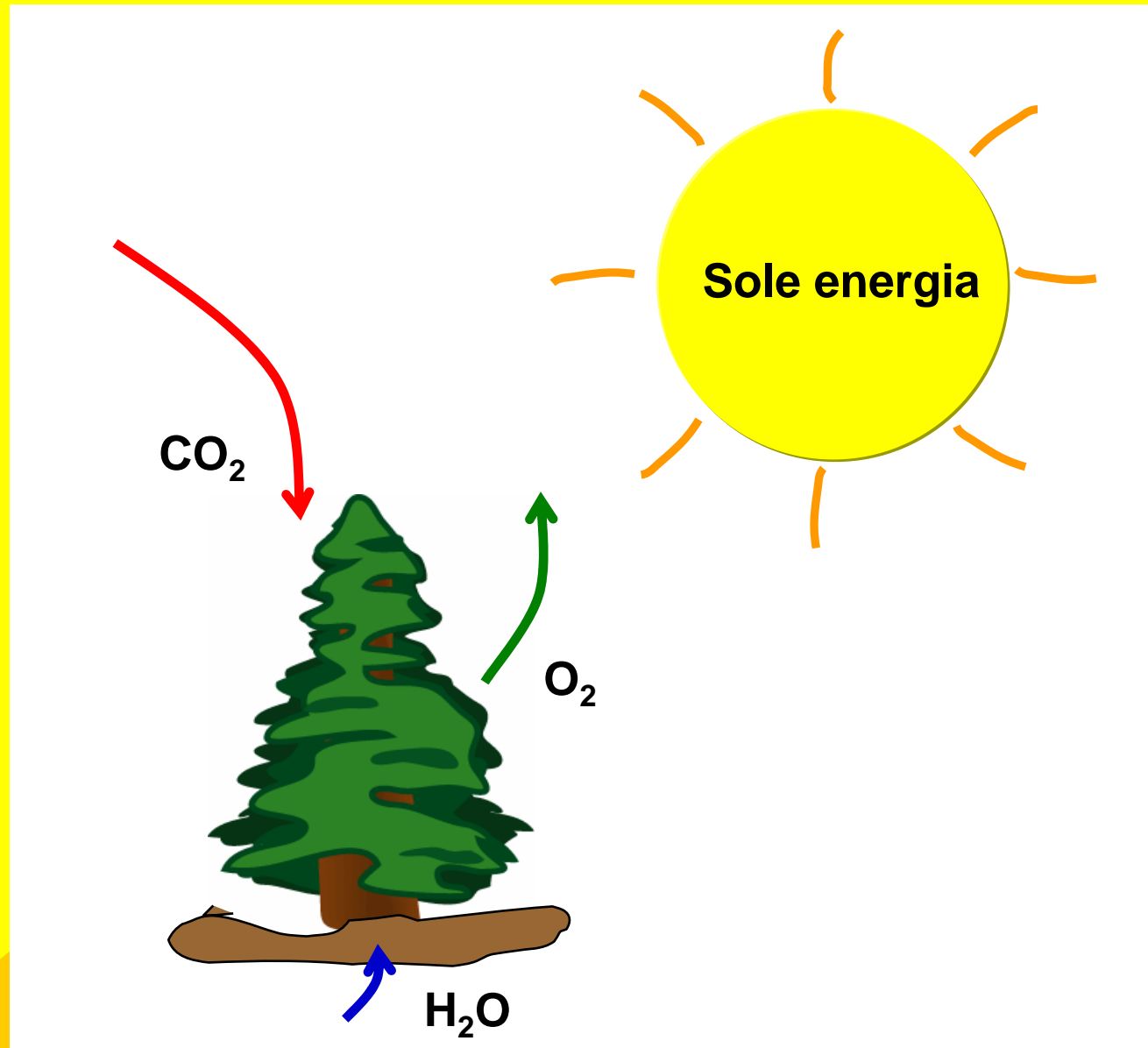
Total Energy Budget of the EU



Overview of the total energy budget of the European Union (EU 25)

White Paper: Expected Increase of RES (1995-2010)







La Biomassa

Materia prima	Transformazione	Energia finale
Legna, paglia	Incenerimento Gassificazione	Calore Calore e Energia elettrica
Piante con zucchero o amido	Fermentazione	Etanoles
Piante oleacee (colza, girasole)	Esterificazione	biodiesel
Biomassa umido, liquame, piante verde (pe silomais)	Fermentazione anaerobica	Biogas calore e energia elettrica biocarburante

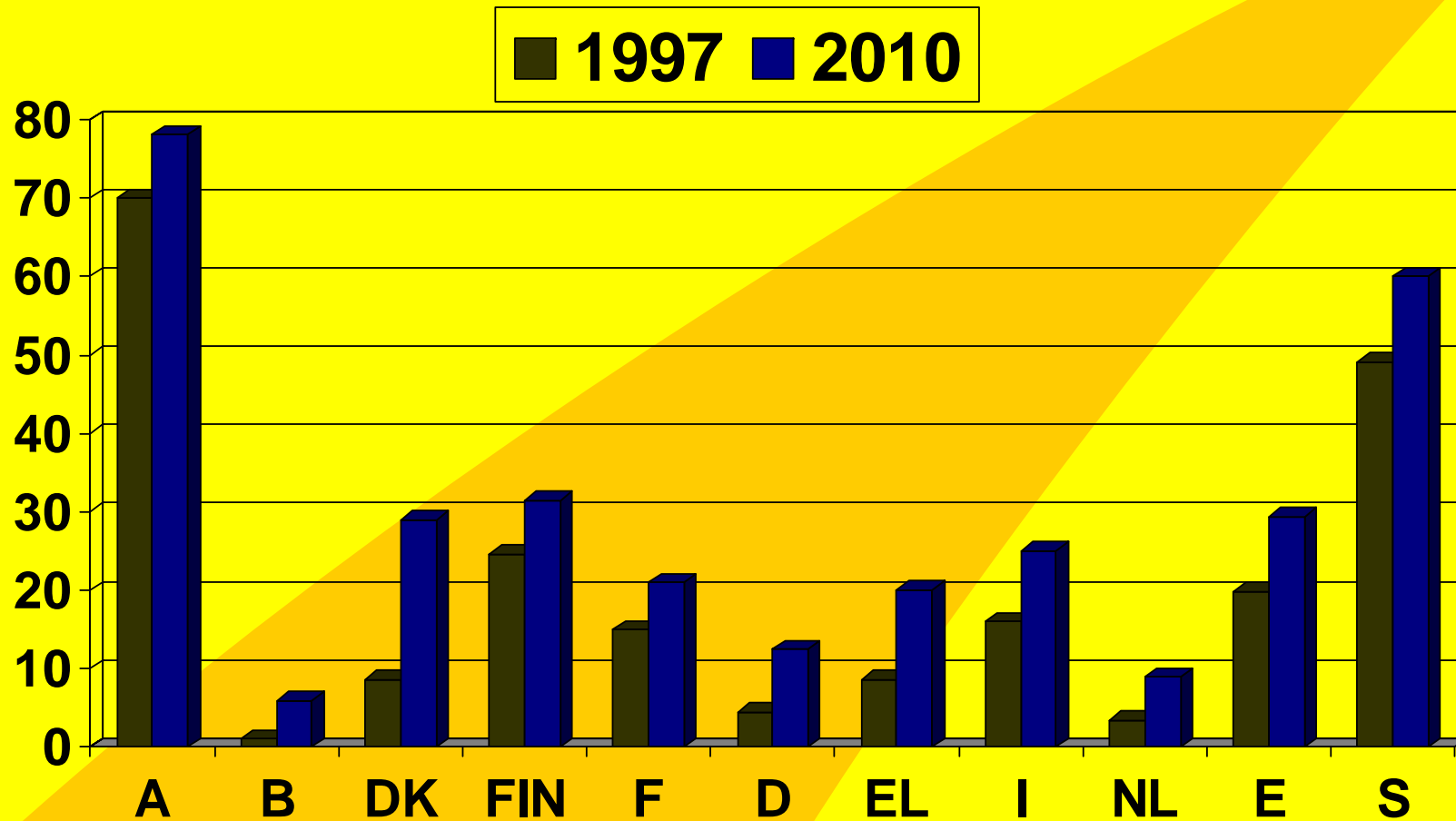


Obiettivi secondo il libro bianco

	1995	2010
Biomassa totale	44,8 Mtoe	135 Mtoe
Dei quali		
Energia elettrica de biomassa	22,5 TWh	230 TWh
Calore de biomassa	38,00 Mtoe	75 Mtoe
Biocarburanti	0	18 Mtoe



Objectives for renewable electricity according to directive 2001/77 (%)



Fuels



fire wood



pellets



wood chips from forestry

Plantation of Wood



Biomassa e calore



Biomass CHP Güssing based on gasification process



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Biogas plant



Austrian Biomass Association

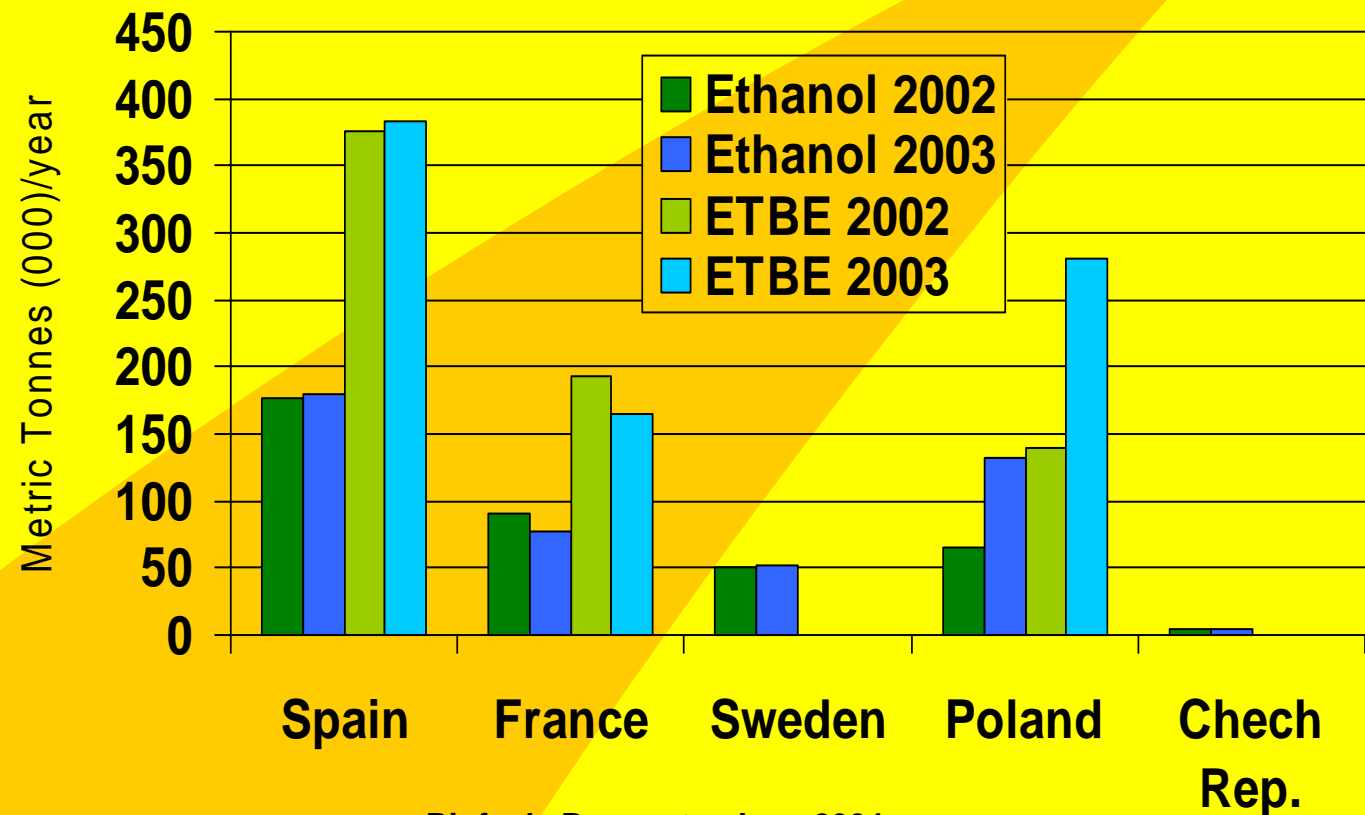
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Bioethanol and BioETBE Production in EU 25



2003

- only **5 Member States** produce Bioethanol/
BioETBE
- **S, F, P** provide 96 % of total EU 25 Bioethanol/
BioETBE production



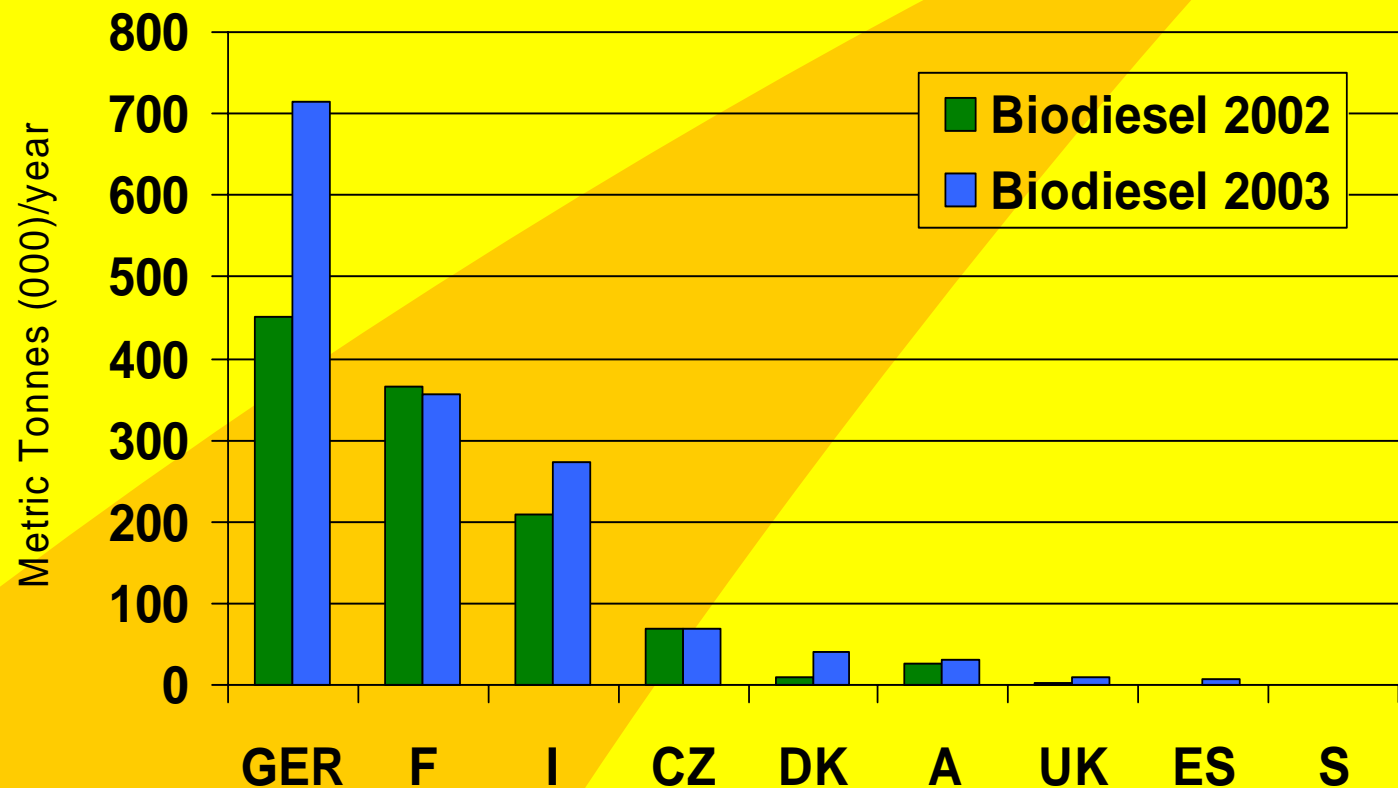
source: Biofuels Barometer June 2004

Biodiesel Production in EU 25



2003

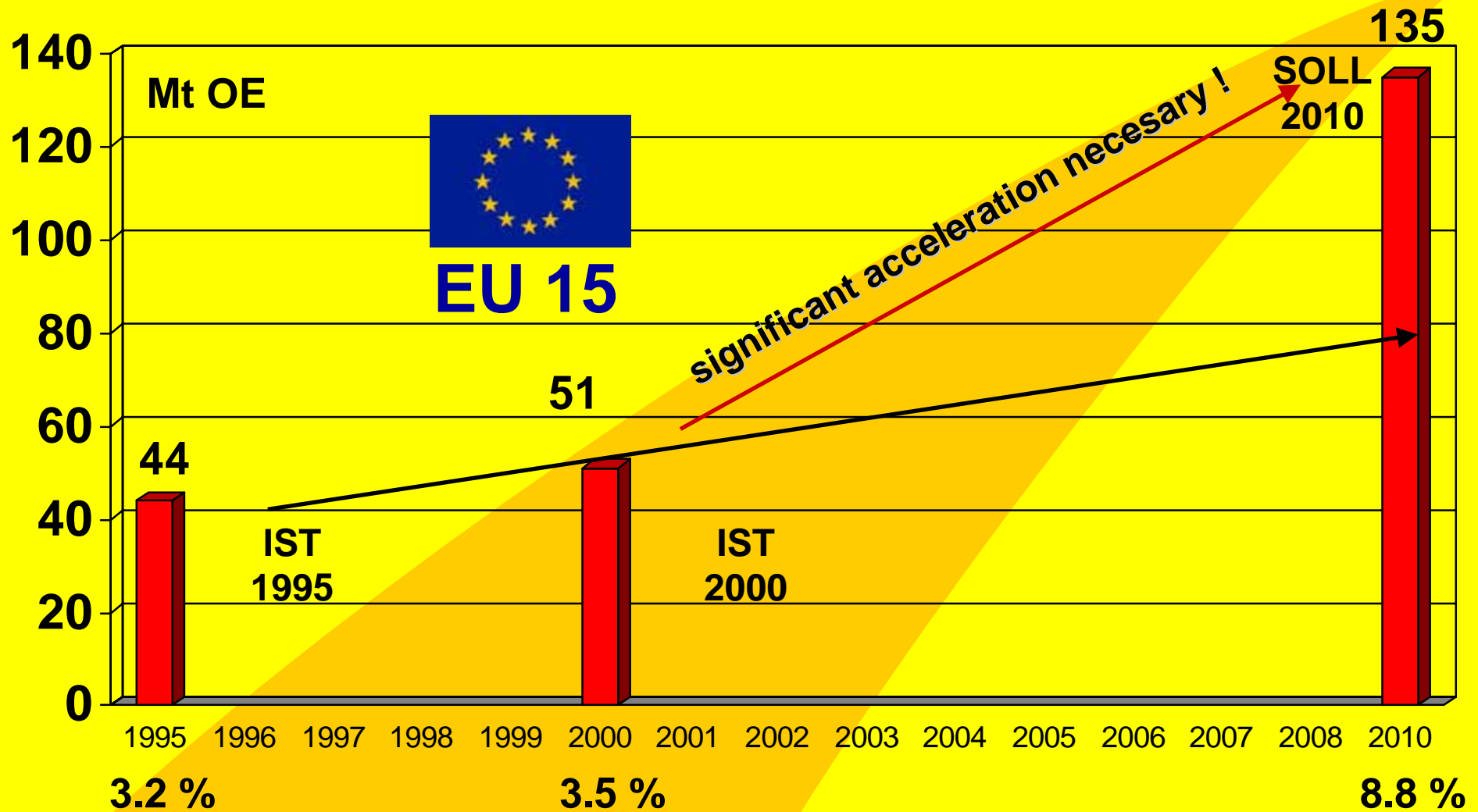
- only **9 Member States** produce Biodiesel
- **D, F, I** provide 89 % of total EU 25 Biodiesel production



source: Biofuels Barometer June 2004

Where are we today ?

Contribution of Biomass to Energy Supply





Quattro motivi per un maggiore uso della biomassa

- 1. Un rifornimento sicuro di energia**
- 2. La riduzione delle emissioni serra**
- 3. Nuovi fonti di guadagno per l'agricoltura e**
- 4. Un sviluppo economico per le aree rurale**



Tante grazie