

# **NEAT Italy – Data Sources, Difficulties, Uncertainties**

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## ***Second Workshop of the International Network “Non Energy Use and CO2 Emissions (NEU - CO2) ”***

### ***NEAT ITALY Data sources, Difficulties, Uncertainties.***

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### ***Outline***

NEAT ITALY

Data from:

- National Energy Balance;
- Bollettino Petrolifero;
- Parpinelli Tecnon (consultants)

Some preliminary results and comparison with IPCC RA.



## Main Steam Crackers in Italy

Location	Operator	Capacity (Kton ethylene/yr)
Brindisi	Polimeri Europa	360
Gela	ENICHEM	250
Priolo	ENICHEM	740
Porto Torres	ENICHEM	250
P. Marghera	ENICHEM	460



### BILANCIO ENERGETICO ITALIANO

Segue: 1996

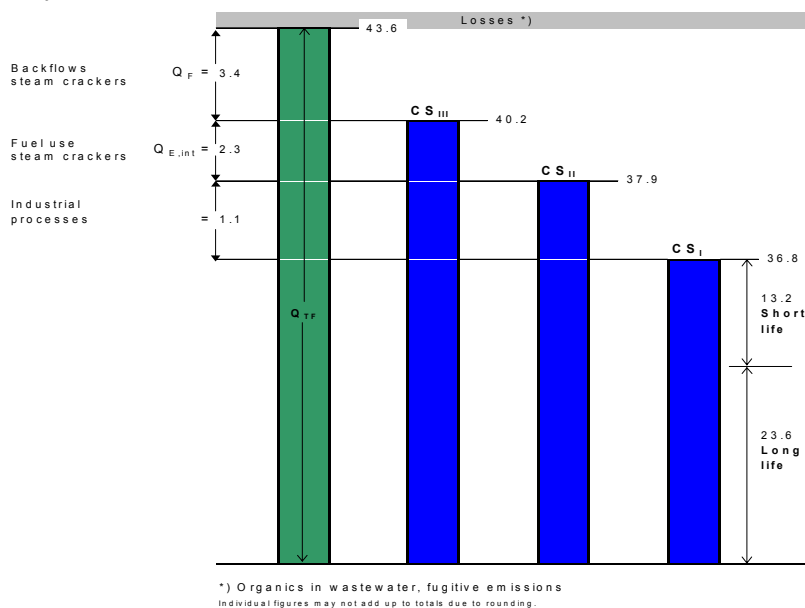
(cifre esp)

BILANCIO	FONTI SECONDARIE															
	Energia elettrica	Carbone di legna	Coke da cokeria	Coke da gas	Gas di cokeria	Gas di officina	Gas di altfor.	Prodotti da carb. non ener.(f)	G.P.L.	Gas residui di raffin.	Distillati leggeri	Benzine	Carbo-turbo	Petrolio	Gasolio	Olio combust.
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Unità di misura	GWh	kt	kt	kt	Mrc	Mrc	Mrc	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. PRODUZIONI (c)	244.424	72	4.932		2.187	468	10.912	230	2.271	2.873	4.087	20.121	3.525	1.282	31.732	18.416
2. IMPORTAZIONI	38.148	36	388						1.793	1.366	1.550	45			1.724	17.797
3. VAR.SCORIE			158						-28		-6	-219	36	-156	-83	-520
4. MISCELAZIONI																
5. TOTALE RISORSE	282.573	108	5.194		2.187	468	10.912	230	4.062	2.873	5.488	21.880	3.534	1.437	33.538	36.733
6. TRASFORMAZ. (Al.1)			1.403		610		4.900		28	382	28				189	24.415
7. C. & P. (Al.2)	41.119		51		754	7	3.036		44	2.283	38	85	16	7	49	1.682
8. CONSUMI FINALI (Al.3)	240.694	108	3.640		823	492	2.946	222	3.843	208	4.882	19.036	2.816	1.208	24.365	3.529
a) Agricoltura	4.107								78			109		1	2.526	20
b) Industria	119.069	17	3.553		823	20	2.946		275		946	28	15	11	325	3.148
c) Servizi	30.919								1.510			17.522	2.801		15.057	90
d) Usi domestici e civili	86.603	91	87			472			1.676						114	4.701
Totale (a+b+c+d)	240.694	108	3.640		823	492	2.946		3.538		946	17.658	2.816	126	22.619	3.558
Usi non energetici								222	304	208	3.936	1.377			1.083	1.746
TOTALE CONSUMI ENERGETICI (7+8)	281.813	108	3.691		1.577	498	6.012	222	3.887	2.491	4.921	19.121	2.832	1.216	24.414	5.191
9. Consumi finali non energetici																
Var.scorie di Consumatori															26	537
10. Burkeraggi															586	1.738
11. Esportazioni	760		100						6	177		538	2.768	702	221	8.334
12. TOTALE IMPIEGHI	282.573	108	5.194		2.187	468	10.912	230	4.062	2.873	5.488	21.880	3.534	1.437	33.538	36.733



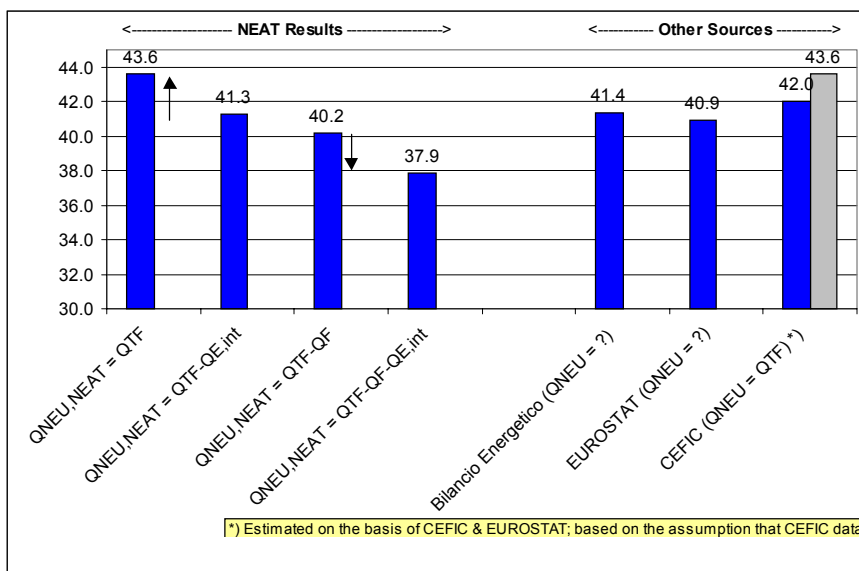
**NEAT RESULTS**

Country: **ITALY** Year: **1996**  
 All figures in Mt CO<sub>2</sub>



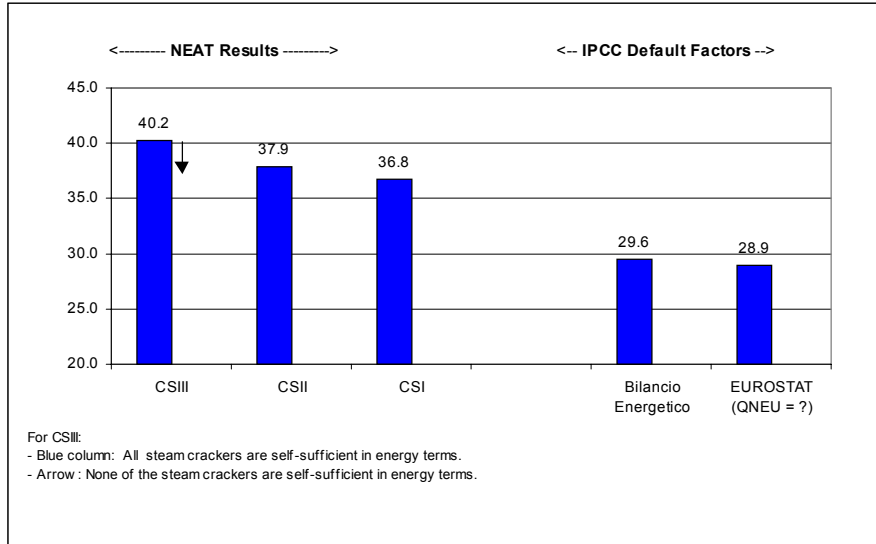
**NON-ENERGY USE - COMPARISON OF NEAT RESULTS WITH STATISTICAL SOURCES**

Country: **ITALY** Year: **1996**



# CARBON STORAGE -COMPARISON OF NEAT RESULTS WITH RESULTS USING IPCC DEFAULT FACTORS

Country: ITALY Year: 1996

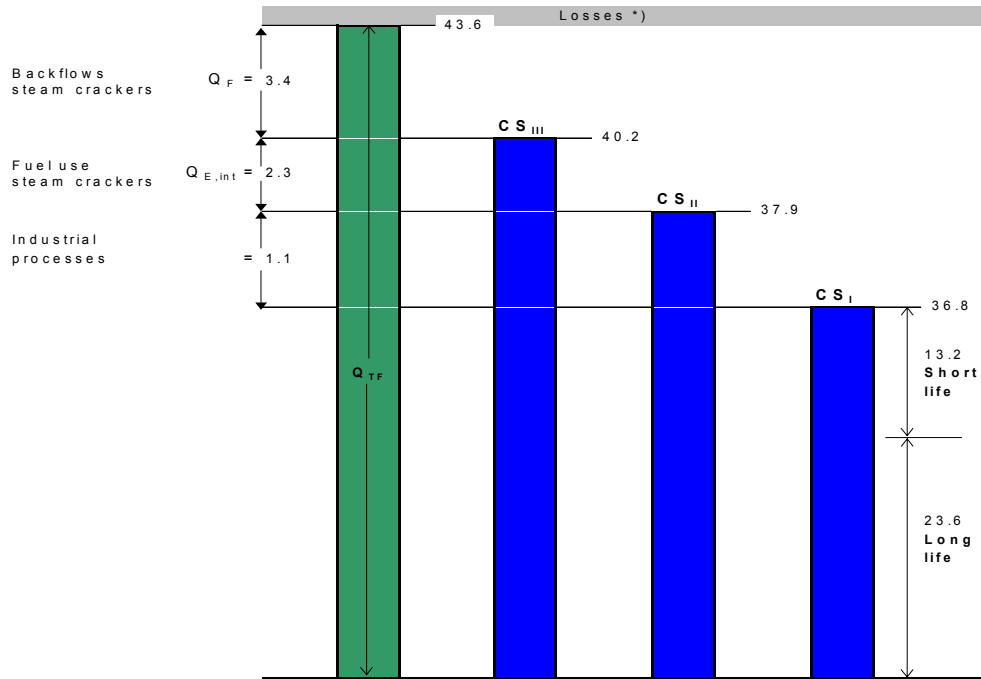


## NEAT RESULTS

Country: ITALY

Year: 1996

All figures in Mt CO<sub>2</sub>

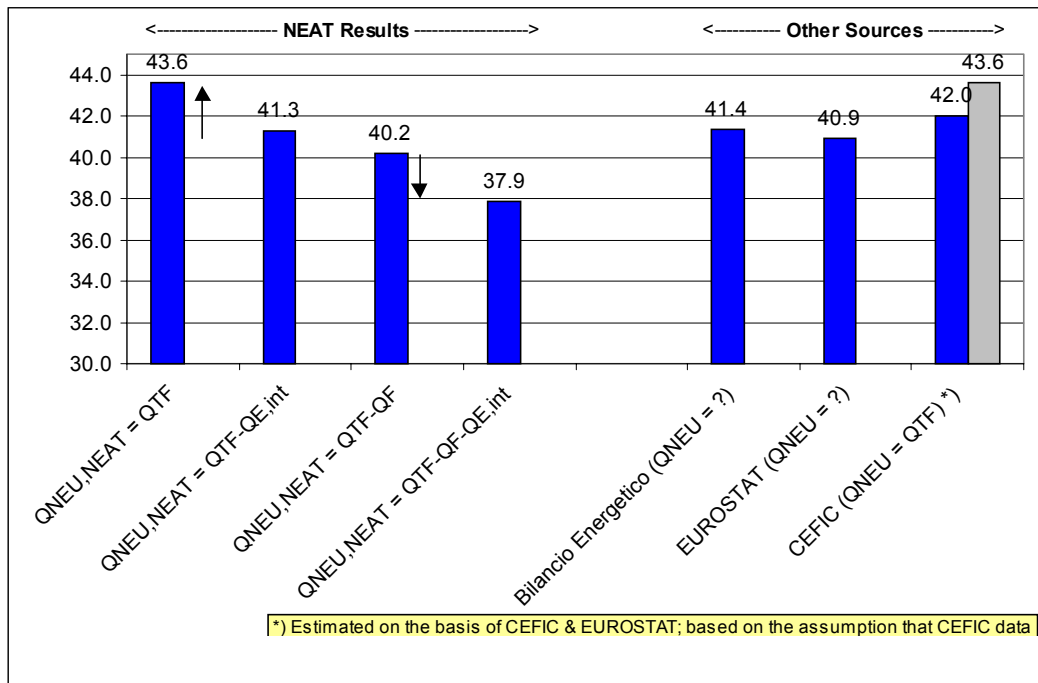


\*) Organics in wastewater, fugitive emissions  
 Individual figures may not add up to totals due to rounding.

## NON-ENERGY USE - COMPARISON OF NEAT RESULTS WITH STATISTICAL SOURCES

Country: ITALY

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## CARBON STORAGE

### -COMPARISON OF NEAT RESULTS WITH RESULTS USING IPCC DEFAULT FACTORS

Country: ITALY

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