

ARCHIVES HISTORIQUES DE LA COMMISSION

COLLECTION RELIEE DES
DOCUMENTS "COM"

COM (77)471

Vol. 1977/0148

Disclaimer

Conformément au règlement (CEE, Euratom) n° 354/83 du Conseil du 1er février 1983 concernant l'ouverture au public des archives historiques de la Communauté économique européenne et de la Communauté européenne de l'énergie atomique (JO L 43 du 15.2.1983, p. 1), tel que modifié par le règlement (CE, Euratom) n° 1700/2003 du 22 septembre 2003 (JO L 243 du 27.9.2003, p. 1), ce dossier est ouvert au public. Le cas échéant, les documents classifiés présents dans ce dossier ont été déclassifiés conformément à l'article 5 dudit règlement.

In accordance with Council Regulation (EEC, Euratom) No 354/83 of 1 February 1983 concerning the opening to the public of the historical archives of the European Economic Community and the European Atomic Energy Community (OJ L 43, 15.2.1983, p. 1), as amended by Regulation (EC, Euratom) No 1700/2003 of 22 September 2003 (OJ L 243, 27.9.2003, p. 1), this file is open to the public. Where necessary, classified documents in this file have been declassified in conformity with Article 5 of the aforementioned regulation.

In Übereinstimmung mit der Verordnung (EWG, Euratom) Nr. 354/83 des Rates vom 1. Februar 1983 über die Freigabe der historischen Archive der Europäischen Wirtschaftsgemeinschaft und der Europäischen Atomgemeinschaft (ABl. L 43 vom 15.2.1983, S. 1), geändert durch die Verordnung (EG, Euratom) Nr. 1700/2003 vom 22. September 2003 (ABl. L 243 vom 27.9.2003, S. 1), ist diese Datei der Öffentlichkeit zugänglich. Soweit erforderlich, wurden die Verschlussachen in dieser Datei in Übereinstimmung mit Artikel 5 der genannten Verordnung freigegeben.

COMMISSION OF THE EUROPEAN COMMUNITIES

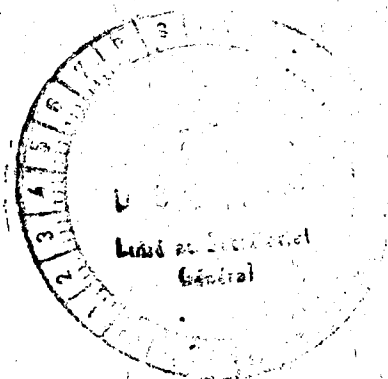
COM(77) 471 final.

Brussels, 5 October 1977.

REPORT FROM THE COMMISSION TO THE COUNCIL

The Community's energy supplies

First half of 1976 (estimates); Second half of 1976 (estimates);
First half of 1977 (forecasts)



COM(77) 471 final.

EXPLANATORY MEMORANDUM

Regulation (EEC) n° 1729/76 adopted by the Council on 21 June 1976 requires Member States to communicate twice a year to the Commission information concerning their energy-supply situation in the form of an estimate for the preceding calendar half-year and a forecast for the current half-year.

The regulation provides, furthermore, that the Commission shall send to the Council an annotated summary of the information received.

The annexed report provides a definitive summary of the information arising from the first two applications on the regulation (September 1976 and March 1977) and reflects the experience acquired on that occasion.

Aims : This report must be transmitted to the Member States pursuant to article 3, § 2 of that regulation.

The Community's energy supplies
First half of 1976 (estimates); Second half of 1976 (estimates);
First half of 1977 (forecasts)

1. Regulation (EEC) No.1729/76¹ adopted by the Council on 21 June 1976 requires Member States to communicate twice a year to the Commission information concerning their energy-supply situation in the form of an estimate for the preceding calendar half-year and a forecast for the current half-year. An agreement written into the Council minutes provides that in the first operative year Member States supply the necessary information on 1 September 1976 and 1 March 1977. The Regulation provides, furthermore, that the Commission shall send to the Council an annotated summary of the information received and organize any consultations necessary.
2. A provisional memo based on the information arising from the first application of the Regulation, relating to 1976, was distributed at the meeting of the Energy Committee on 22nd March 1977 (Doc.COM/ENER/10/77).

Estimates relating to the energy market in the second half of 1976 and forecasts for the first half of 1977 should have been supplied before 1 March 1977; the information in question reached the Commission between 23 February and 25 May 1977.

Apart from the fact that several Member States were late in supplying their information, one of them - be it noted - supplied only part of the information required.
3. The tables and graphs hereafter provide a definitive summary of the information arising from the first two applications of the Regulation (September 1976 and March 1977).
4. In the light of experience with this exercise, and having regard to the fact that the necessary machinery has now been set up by the Member States' governments, the Commission:

- is pleased to note that the information secured is reliable;

¹ Council Regulation (EEC) No.1729/76 of 21 June 1976 concerning the communication of information on the Community's energy supplies, published in the Official Journal of the European Communities No.L228, 23 July 1976.

- wishes to draw the attention of Member States to the importance of the Regulation, particularly should an upheaval occur in the energy market;
- consequently calls on all Member States to do what is essential in order to supply the required information on time;
- requests that the Governments of Member States - and the Government of the Netherlands in particular - do their utmost to ensure that all the required information is supplied.

5. The data received from Member States on both halves of 1976 have been compared, on a Community basis, with the 1975 data. Comparison of the estimates supplied by the Member States with the latest statistics for 1976 also confirms their reliability.

Community million toe or %	1975 Euro- stat	I/1976 +II/1976 Ref.1729	1976- 1975 △ in %	1976 provis. data Eurostat	1976- 1975 △ in %
Inland consumption	387.0	396.5	+2.5%	397.6	+2.7%
Net imports	523.6	562.8	+ 7.5%	562.1	+7.4%
Changes in stocks	-14.3	-15.1	-	-13.6	-
Bunkers	31.1	32.6	+ 4.8%	31.9	+2.6%
Gross inland consumption	865.2	911.6	+ 5.4%	914.2	+5.7%

6. The information received between March and May 1977 included forecasts for the first half of 1977. From this information, compared with the estimates previously supplied for the first half of 1976, it was possible to derive the following movements for the Community as a whole:

Community million toe or %	Reg.1729/76 I/1976 Sept.1976	Reg.1729/76 I/1977 March 1977	I-1977/ I-1976 △ in %
Inland production	195.8	219.0	+ 11.8
Net imports	270.8	269.9	- 0.3
Changes in stocks	+ 2.9	+ 2.3	-
Bunkers	16.1	16.7	+ 3.7
Gross inland consumption	453.4	474.5	+ 4.7

7. One conclusion stands out: in the Community the year 1976 and the first half of 1977 saw a deterioration in the ratio of growth in energy demand to GDP growth.

	Δ Energie	Δ PIB	$\Delta E / \Delta$ PIB
Eurostat: average for 1964-73	+ 4.5%	+4.6%	0.975
Eurostat: 1973/1972	+ 6.0%	+5.5%	1.10
Regulation 1729: 1976/1975	+ 5.4%	+4.3%	1.25
Regulation 1729: I-1977/I-1976	+ 4.7%	(+3.5%)	(1.35)

8. According to the information from Member States, the Community's net imports of energy in the first half of 1977 should not exceed the level in the first half of 1976; there should even be a fall of about 2% in net oil imports. This is due to the very appreciable increase in Community oil production which, from just below 9 million toe in the first half of 1976, is expected to rise above 23 million toe in the first half of 1977. Stocks of energy products held in the Community at the end of June 1977 should represent - on the basis of inland requirements recorded in 1976 - about 99 days' consumption of solid fuels, 93 days' consumption of oil products, and 15 days' consumption of natural gas.

Annexes: 1. Summary of replies to the questionnaire from Regulation 1729/76

- Gross inland consumption
- Production of primary sources
- Net imports
- Stocks

2. Graphs of energy production and consumption

- Community
- Belgium
- Denmark
- Germany
- France
- Ireland
- Italy
- Luxembourg
- Netherlands
- United Kingdom

Synthèse des réponses au questionnaire du Règlement 1729/76

Summary of replies to questionnaire on Regulation 1729/76

Synthese der Antworten auf den Fragebogen der Verordnung 1729/76

Mio tep	Houille	Lignite	Pétrole	Gaz	Electricité	TOTAL
Mio toe	Hard Coal	Lignite	Oil	Gas	Electricity *	TOTAL
Mio t ROE	Steinkohle	Braunkohle	Ol	Gas	Elektrizität	INSGESAMT

Consommation intérieure brute - Gross inland consumption - Brutto-Inlandsverbrauch

1er semestre 1976 - 1st Half-year 1976 - 1. Halbjahr 1976

Belgique	4,790	0,005	11,774	5,005	0,885	22,459
Danmark	1,543	0,005	8,188	-	0,194	9,930
Deutschland	23,500	12,800	63,992	19,269	4,498	124,059
France	14,700	0,468	57,305	8,649	7,510	88,632
Ireland	0,232	0,673	2,367	0,041	0,028	3,341
Italia	4,451	0,197	42,292	11,203	4,800	62,943
Luxembourg	1,010	0,010	0,785	0,230	0,508	2,543
Nederland	(1,600)	-	13,910	16,570	(0,360)	(32,440)
United Kingdom	37,260	-	46,285	18,550	4,945	107,040
COMMUNAUTE	89,086	14,158	246,898	79,517	23,728	453,387

2ème semestre 1976 - 2nd Half-year 1976 - 2. Halbjahr 1976

Belgique	4,502	0,005	11,937	4,669	0,605	21,718
Danmark	1,500	0,005	8,000	-	0,093	9,598
Deutschland	26,100	12,000	70,563	19,560	5,072	134,195
France	15,262	0,747	52,366	8,464	7,120	83,959
Ireland	0,279	0,620	2,690	-	0,023	3,612
Italia	5,006	0,173	47,595	10,933	5,860	69,567
Luxembourg	0,910	0,008	0,691	0,193	0,536	2,336
Nederland	(1,300)	-	13,890	(17,130)	(0,460)	(32,780)
United Kingdom	35,105	-	43,310	16,985	5,000	100,400
COMMUNAUTE	89,964	14,458	251,042	77,934	24,769	458,167

1er semestre 1977 - 1st Half-year 1977 - 1. Halbjahr 1977

Belgique	4,825	0,005	12,625	4,935	0,494	22,884
Danmark	1,610	0,005	8,730	-	0,004	10,349
Deutschland	22,700	12,700	67,970	20,560	5,322	129,252
France	17,082	0,714	57,500	10,464	9,100	94,860
Ireland	0,294	0,702	2,650	-	0,031	3,677
Italia	4,636	0,200	45,489	11,915	5,863	68,103
Luxembourg	0,910	0,008	0,730	0,196	0,550	2,394
Nederland	(1,500)	-	12,000	(18,000)	(0,400)	(31,900)
United Kingdom	38,045	-	46,885	20,730	5,375	111,035
COMMUNAUTE	91,602	14,334	254,579	86,800	27,139	474,454

- () Estimation des services de la Commission - Information non reçue
 Estimates of the services of the Commission - Indications not received
 Schätzungen der Dienststellen der Kommission - Nicht erhaltene Angaben
 • Autres produits primaires inclus - included other primary fuels -
 einschliesslich andere primäre Brennstoffe

Mio tep	Houille	Lignite	Pétrole	Gaz	Nucléaire	Autres	TOTAL
Mio. toe	Hard Coal	Lignite	Oil	Gas	Nuclear	Others	TOTAL
Mio t ROE	Steinkohle	Braunkohle	Ol	Gas	Kernenergie	Sonstige	INSGESAMT

Production primaire Primary production Erzeugung von Primärenergie

1er semestre 1976 - 1st half-year 1976 - 1. Halbjahr 1976

Belgique	2,496	-	-	0,020	1,310	0,038	3,864
Danmark	-	-	0,057	-	-	0,003	0,060
Deutschland	30,800	12,600	2,901	7,542	2,476	1,472	57,791
France	7,940	0,474	0,823	2,707	2,030	5,120	19,094
Ireland	0,016	0,400	-	-	-	0,028	0,444
Italia	-	0,180	0,566	6,702	0,350	4,320	12,118
Luxembourg	-	-	-	-	-	0,066	0,066
Nederland	-	-	0,766	36,230	(0,360)	-	(37,356)
United Kingdom	38,300	-	3,740	18,055	4,365	0,595	65,055
COMMUNAUTE	79,552	13,654	8,853	71,256	10,891	11,642	195,848

2ème semestre 1976 - 2nd half-year 1976 - 2. Halbjahr 1976

Belgique	2,059	-	-	0,008	0,877	0,038	2,982
Danmark	-	-	0,120	-	-	0,003	0,123
Deutschland	31,700	12,800	2,858	7,480	3,067	1,877	59,782
France	7,253	0,520	0,890	3,201	1,460	5,550	18,874
Ireland	0,031	0,954	-	-	-	0,023	1,008
Italia	-	0,147	0,576	6,224	0,480	5,275	12,702
Luxembourg	-	-	-	-	-	0,108	0,108
Nederland	-	-	0,780	38,670	(0,460)	-	(39,910)
United Kingdom	35,485	-	8,115	16,595	4,650	0,360	65,205
COMMUNAUTE	76,528	14,421	13,339	72,178	10,994	13,234	200,694

1er semestre 1977 - 1st half-year 1977 - 1. Halbjahr 1977

Belgique	2,452	-	-	0,010	1,046	0,069	3,577
Danmark	-	-	0,250	-	-	0,003	0,253
Deutschland	31,500	12,600	2,779	7,460	3,220	1,967	59,526
France	8,400	0,575	0,850	3,134	2,090	6,900	21,949
Ireland	0,019	0,555	-	-	-	0,031	0,605
Italia	-	0,180	0,550	6,085	0,440	5,313	12,568
Luxembourg	-	-	-	-	-	0,111	0,111
Nederland	-	-	0,760	(37,500)	(0,400)	-	(38,660)
United Kingdom	38,070	-	17,935	20,360	4,875	0,500	81,740
COMMUNAUTE	80,441	13,910	23,124	74,549	12,071	14,894	218,989

() Estimation des services de la Commission - Information non reçue

Estimates of the services of the Commission - Indications not received

Schätzungen der Dienststellen der Kommission - Nicht erhaltene Angaben

• Hydraulique et géothermique + autres - Hydraulic and geothermal energy + other -
Wasserkraft und Erdwärme + andere

Mio tep	Houille	Lignite	Pétrole	Gaz	Electricité	TOTAL
Mio toe	Hard Coal	Lignite	Oil	Gas	Electricity	TOTAL
Mio t ROE	Steinkohle	Braunkohle	Ol	Gas	Elektrizität	INSGESAMT

Importation nette - Net import - Nettoeinfuhr

1er semestre 1976 - 1st half-year 1976 - 1. Halbjahr 1976

Belgique	2,654	0,005	12,037	4,970	-0,463	19,203
Danmark	1,331	0,003	7,212	-	0,191	8,737
Deutschland	-4,300	0,200	62,436	11,769	0,550	70,655
France	6,247	0,026	56,337	6,034	0,360	69,004
Ireland	0,130	-0,005	2,440	0,040	-	2,605
Italia	4,151	0,017	46,419	4,543	0,130	55,260
Luxembourg	0,993	0,007	0,765	0,220	0,422	2,407
Nederland	(1,600)	-	17,340	-19,800	-	(-0,860)
United Kingdom	0,460	-	42,885	0,495	-0,015	43,825
COMMUNAUTE	13,266	0,253	247,871	8,271	1,175	270,836

2ème semestre 1976 - 2nd half-year 1976 - 2. Halbjahr 1976

Belgique	2,294	0,005	13,139	4,691	-0,310	19,819
Danmark	1,569	0,007	9,123	-	0,090	10,789
Deutschland	-4,300	0,100	72,687	12,195	0,128	80,810
France	7,843	0,070	61,901	5,849	0,110	75,773
Ireland	0,248	-0,001	2,672	-	-	2,919
Italia	4,517	0,026	50,603	5,219	0,105	60,470
Luxembourg	0,910	0,008	0,694	0,193	0,436	2,241
Nederland	(1,300)	-	20,229	(-20,900)	-	(0,629)
United Kingdom	0,025	-	38,130	0,390	-0,010	38,535
COMMUNAUTE	14,406	0,215	269,178	7,637	0,549	291,985

1er semestre 1977 - 1st half-year 1977 - 1. Halbjahr 1977

Belgique	2,318	0,005	14,395	4,920	-0,621	21,017
Danmark	1,606	0,005	8,101	-	0,001	9,713
Deutschland	-5,000	0,100	66,440	13,200	0,135	74,875
France	8,454	0,049	56,250	7,037	0,110	71,900
Ireland	0,303	-0,001	2,767	-	-	3,069
Italia	4,536	0,020	47,460	5,830	0,110	57,956
Luxembourg	0,910	0,008	0,730	0,196	0,439	2,283
Nederland	(1,500)	-	16,310	(-19,500)	-	(-1,690)
United Kingdom	-0,240	-	30,600	0,370	0,000	30,730
COMMUNAUTE	14,387	0,186	243,053	12,053	0,174	269,853

- () Estimation des services de la Commission - Information non reçue
 Estimates of the services of the Commission - Indications not received
 Schätzungen der Dienststellen der Kommission - Nicht erhaltene Angaben
 • Autres produits primaires inclus - included other primary fuels
 einschliesslich andere primäre Brennstoffe

Stocks : situation
fin juin 1977

Stocks : level
end June 1977

Bestände : Stand
Ende Juni 1977

Mio tep Mio toe Mio t ROE	Houille+coke Hard coal+Coke Steinkohle+Koks	Lignite+Tourbe Lignite+Peat Braunkohle+Torf	Pétrole+Produits Oil+Products Ol+Produkte	Gaz Gas Gas
Belgique	0,789	-	6,660	-
Danmark	1,506	0,001	5,008	-
Deutschland	18,200	-	31,064	-
France	6,800	0,225	28,300	4,113
Irlande	0,085	1,330	1,444	-
Italia	1,932	-	20,965	2,336
Luxembourg	0,178	-	0,083	-
Nederland	(.)	-	10,155	-
United Kingdom	25,545	-	22,715	-
COMMUNAUTE(*)	55,035	1,556	126,394	6,449

Stocks : variations pendant le
2ème semestre 1976
et le 1er semestre
1977

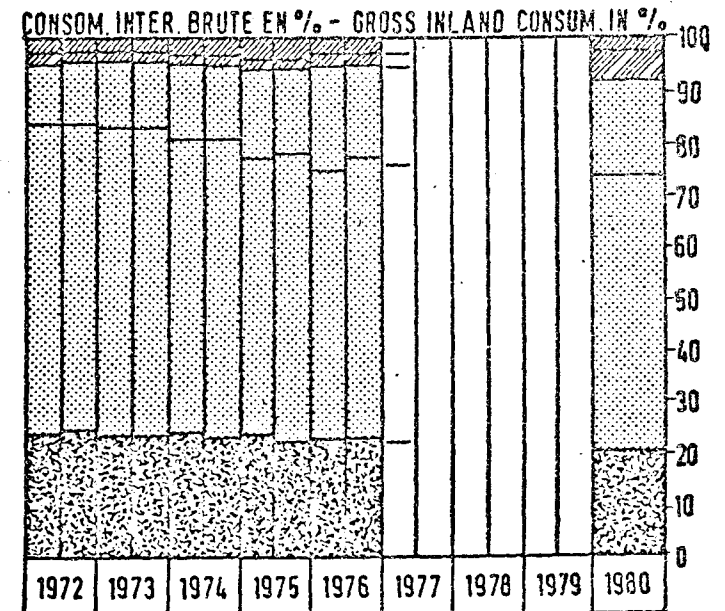
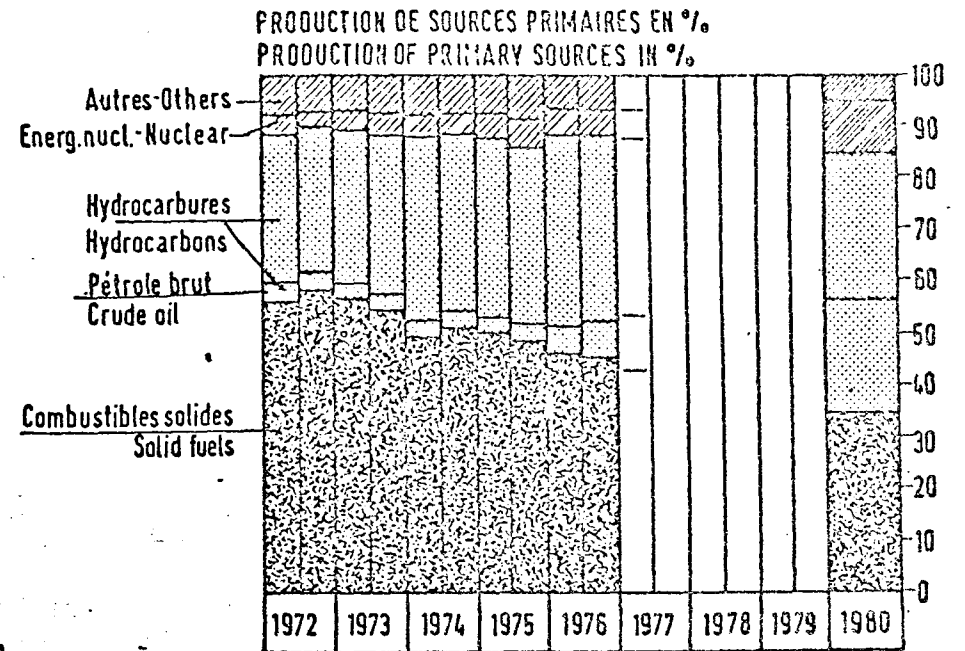
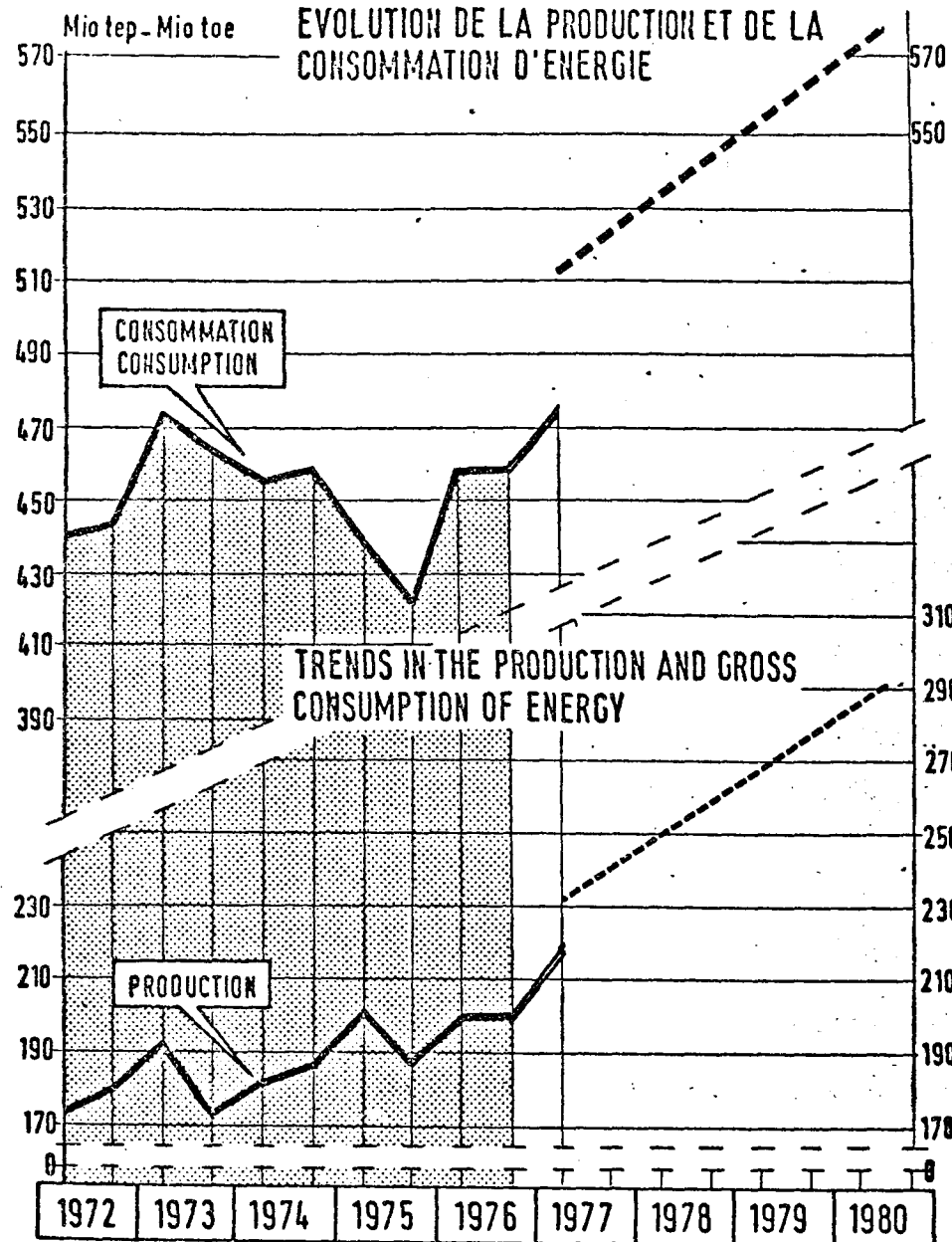
Stocks : variations during
2nd half-year 1976
and 1st half-year
1977

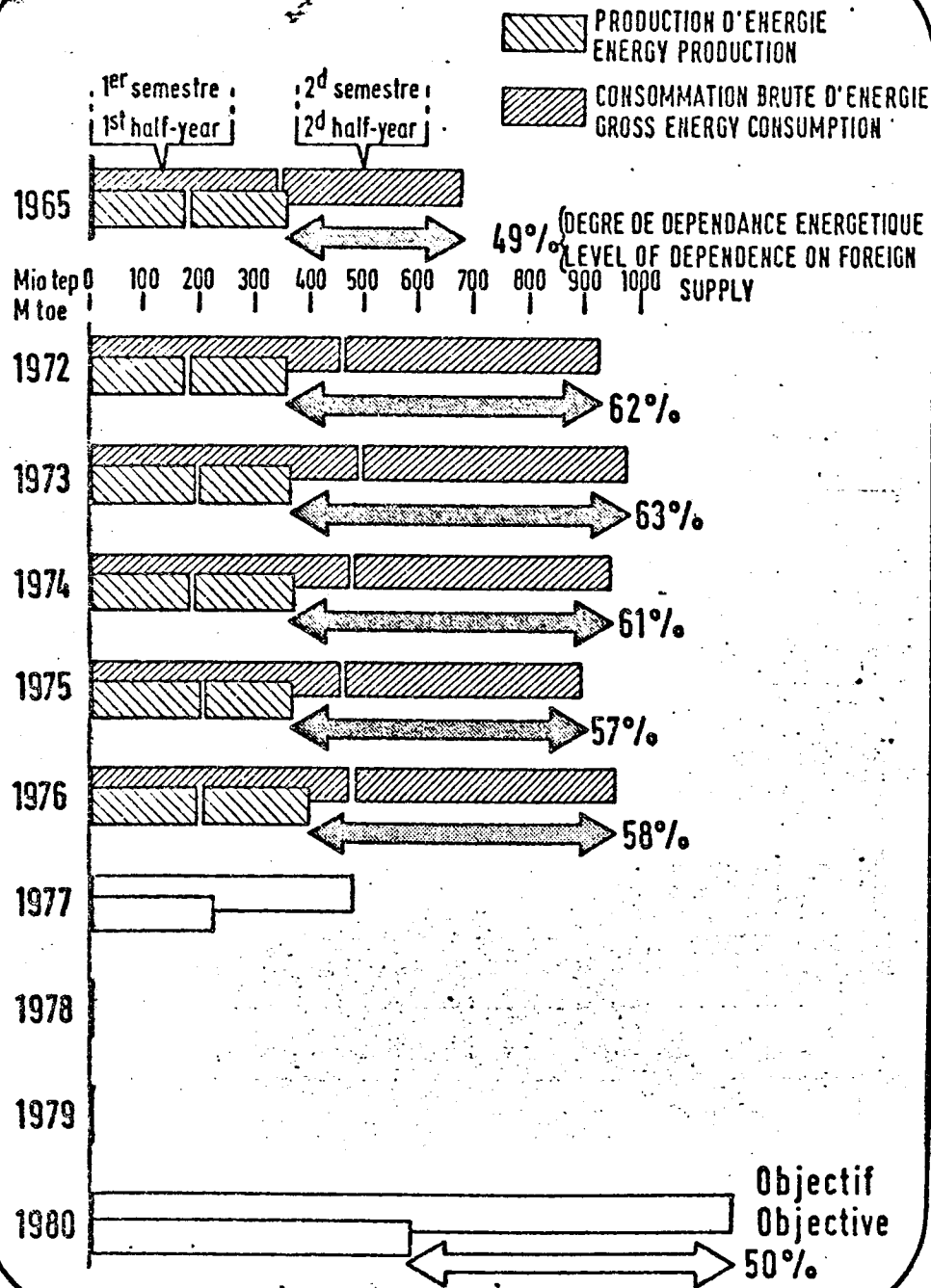
Bestände : Veränderungen
im 2. Halbjahr 1976
und 1. Halbjahr
1977

Mio tep Mio toe Mio t ROE	Houille+Coke Hard Coal+Coke Steinkohle+Koks	Lignite+Tourbe Lignite+Peat Braunkohle+Torf	Pétrole+Produits Oil+products Ol+Produkte	Gaz Gas Gas	TOTAL TOTAL INSGESAMT
Belgique	+0,204	-	-0,196	-0,025	-0,017
Danmark	-0,065	-0,002	-0,324	-	-0,391
Deutschland	-5,100	-	-3,401	-0,215	-8,716
France	+0,394	+0,247	-5,109	-0,293	-4,761
Irlande	+0,028	+0,185	-0,095	-	+0,118
Italia	+0,589	-	+0,721	-0,510	+0,800
Luxembourg	-	-	+0,003	-	+0,003
Nederland	(.)	-	-0,327	-	(-0,327)
United Kingdom	-0,190	-	-1,290	-	-1,480
COMMUNAUTE(*)	-4,140	+0,430	-10,018	-1,043	-14,771

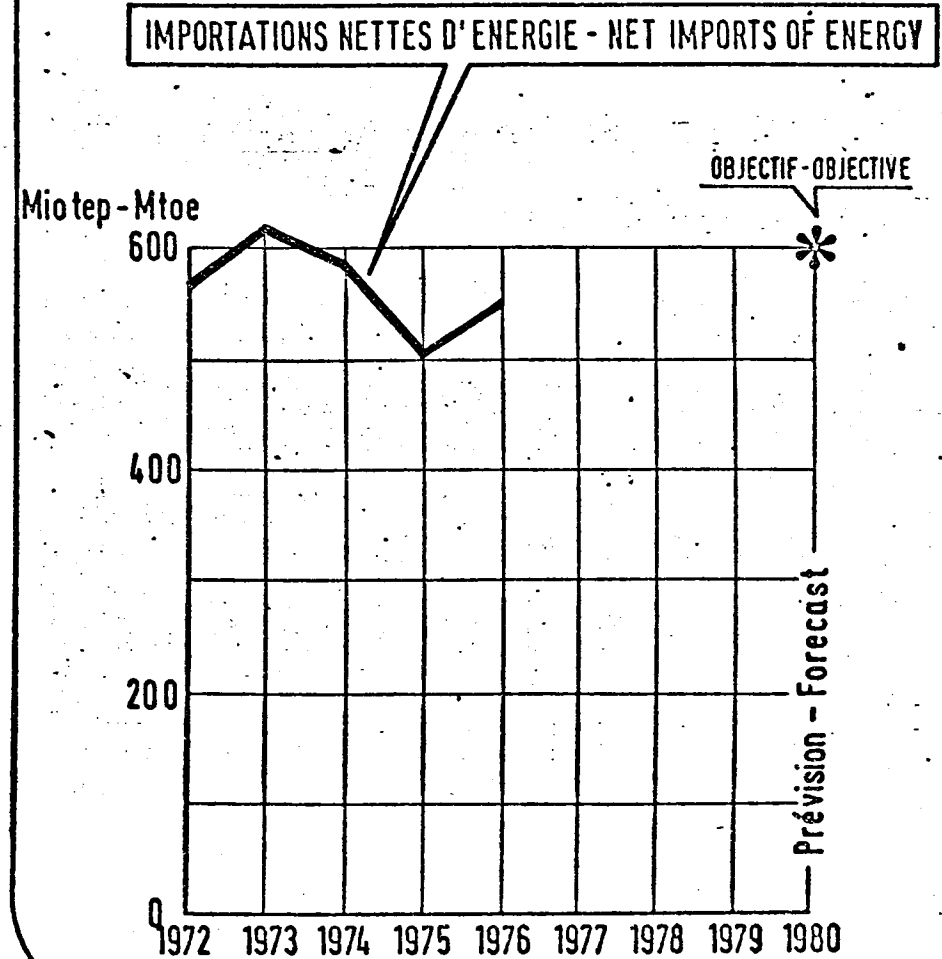
() Estimation des services de la Commission - Information non reçue
Estimates of the services of the Commission - Indications not received
Schätzungen der Dienststellen der Kommission - Nicht erhaltene Angaben

COMMUNAUTE EUROPEENNE-EUROPEAN COMMUNITY



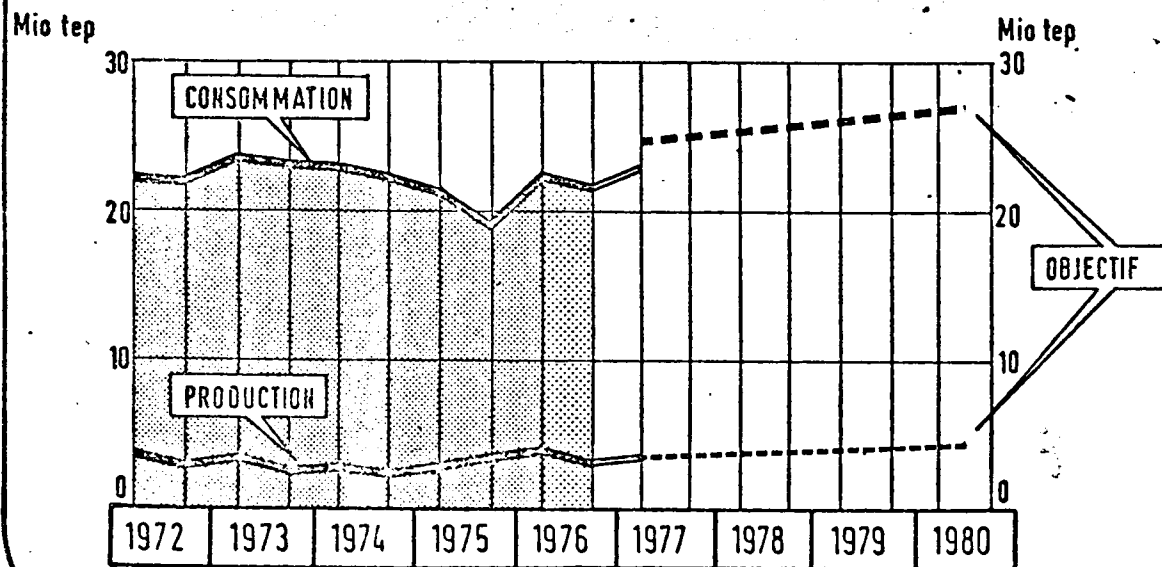


COMMUNAUTE EUROPEENNE EUROPEAN COMMUNITY

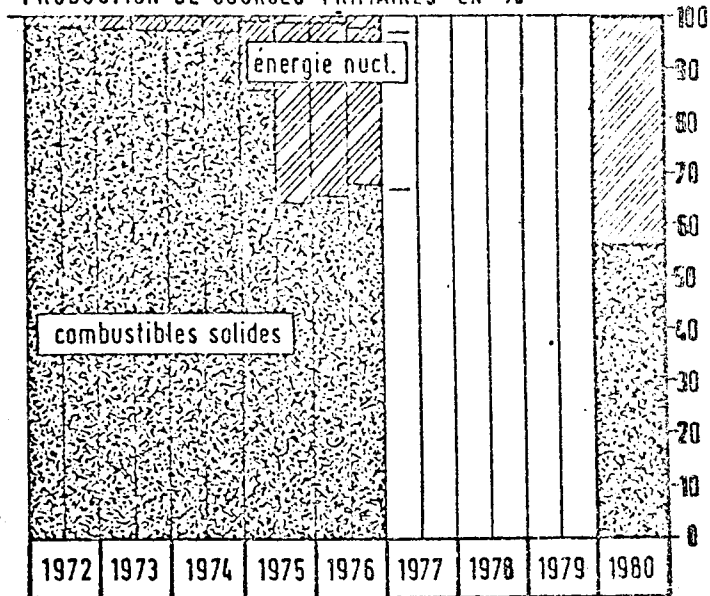


BELGIQUE

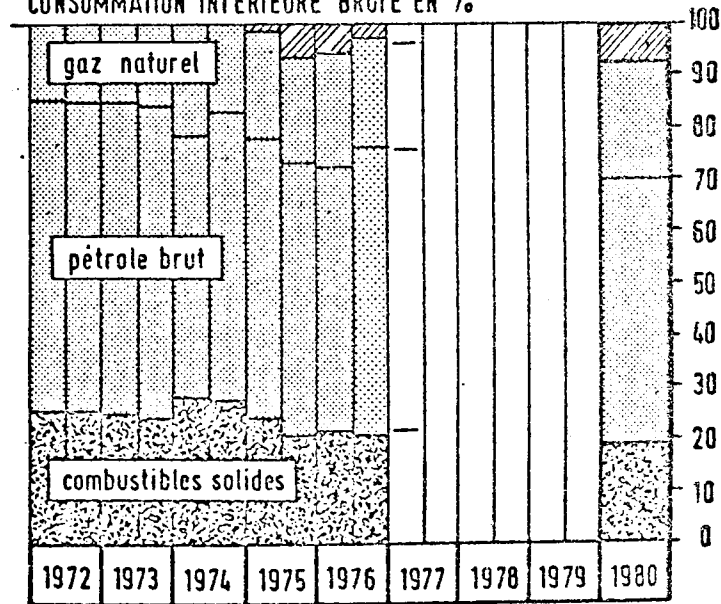
EVOLUTION DE LA PRODUCTION ET DE LA CONSOMMATION D'ENERGIE



PRODUCTION DE SOURCES PRIMAIRES EN %.

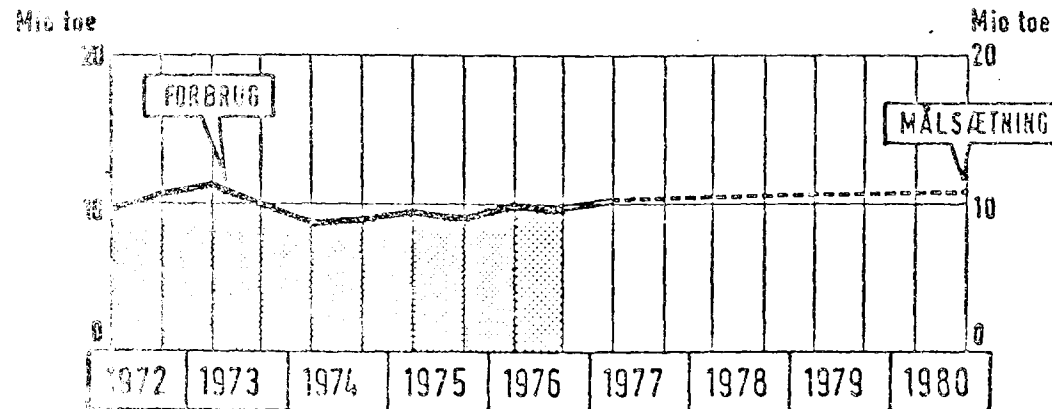


CONSOMMATION INTERIEURE BRUTE EN %.

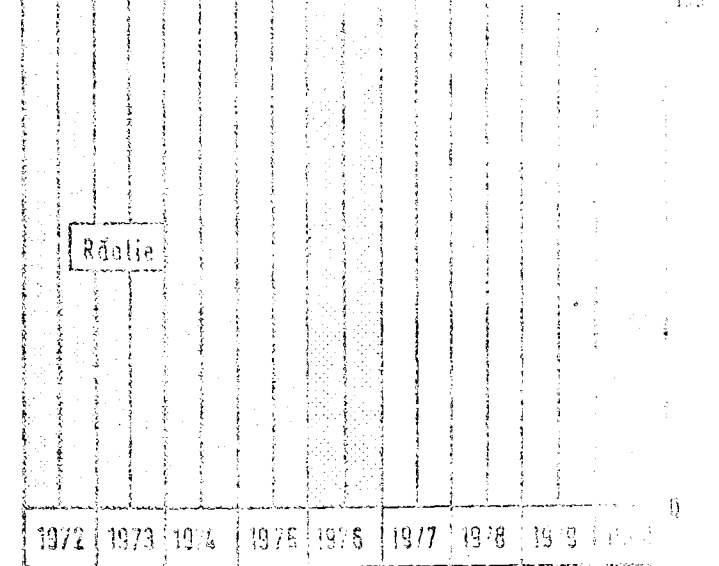


DANMARK

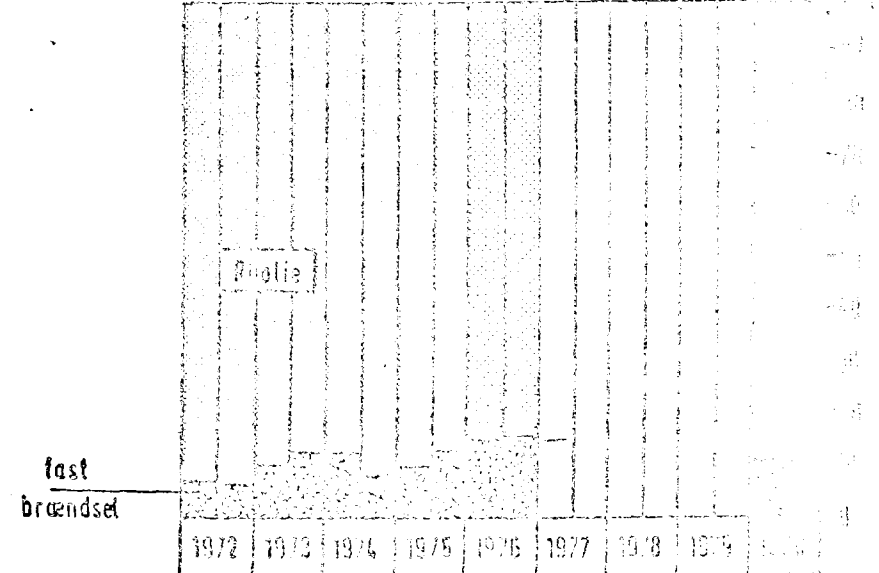
UDVIKLING AF PRODUKTIONEN OG BRUTTOENERGIFORBRUGET



PRODUKTION AF PRIMÆRE ENERGIKILDE (%)

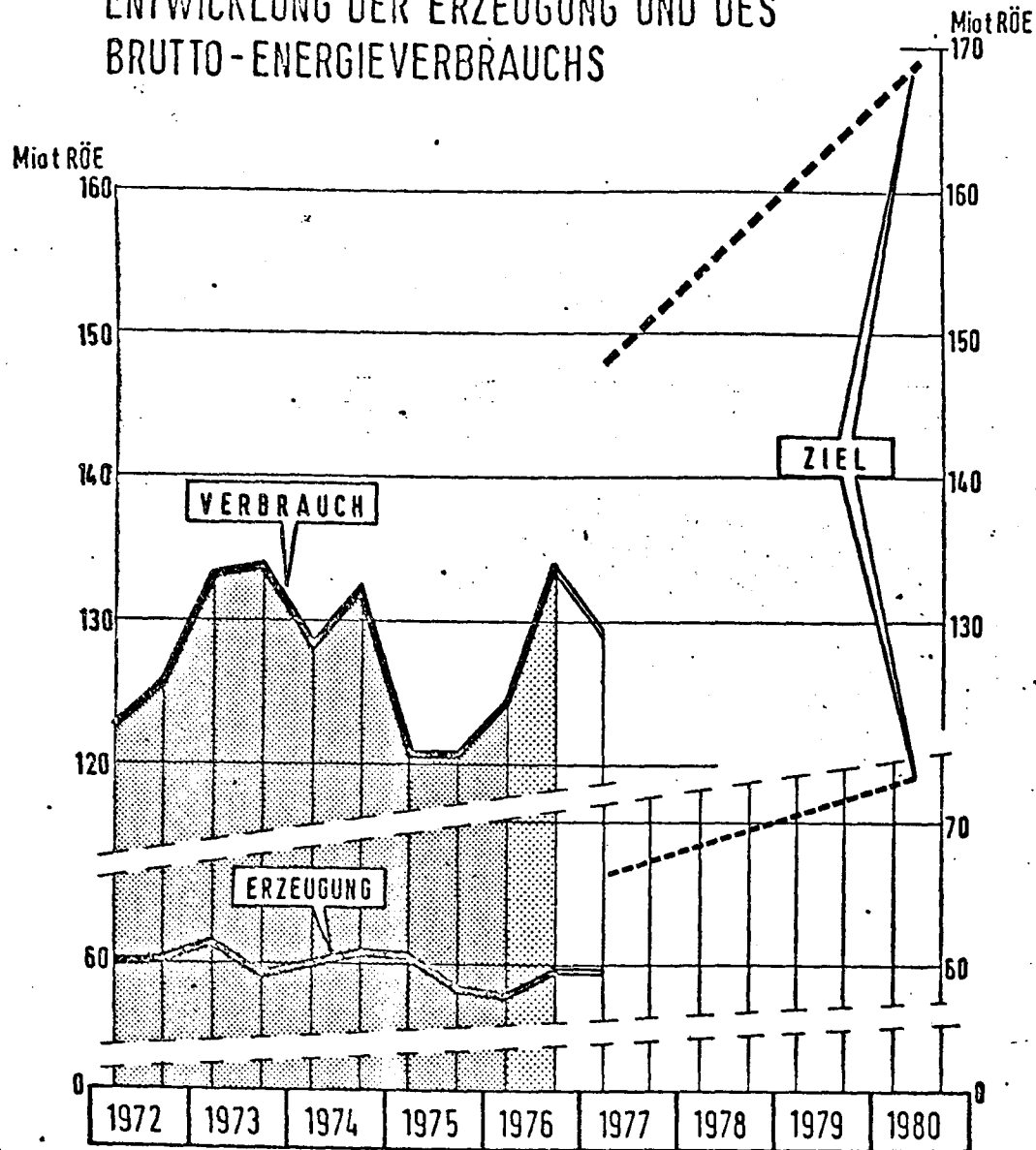


INDEMLANDSK BRUTTOFORBRUG (%)

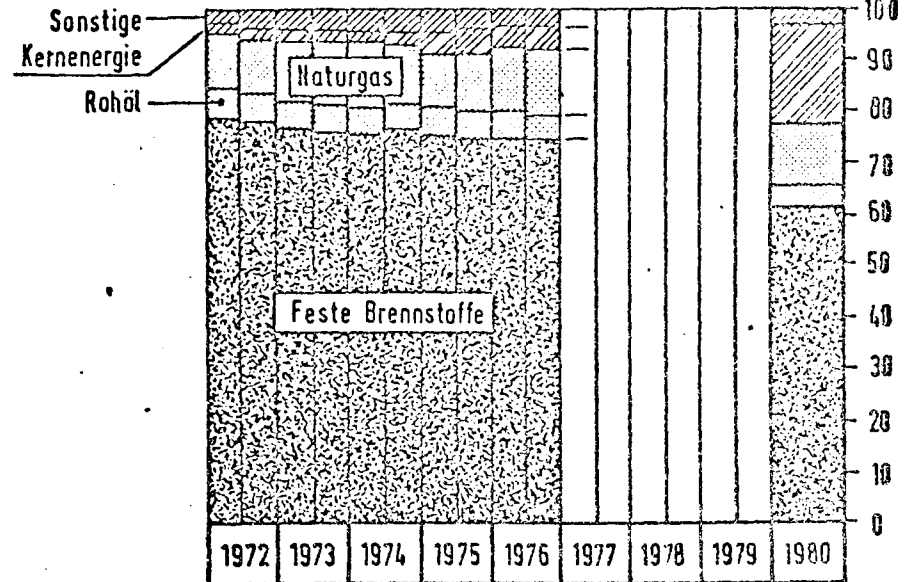


IM DEUTSCHLAND

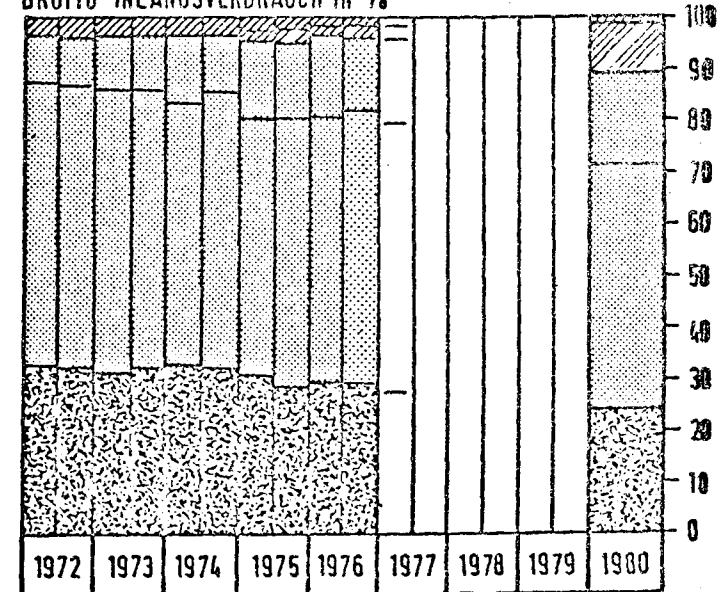
ENTWICKLUNG DER ERZEUGUNG UND DES BRUTTO-ENERGIEVERBRAUCHS



ERZEUGUNG VON PRIMÄRENERGIETRÄGERN IN %

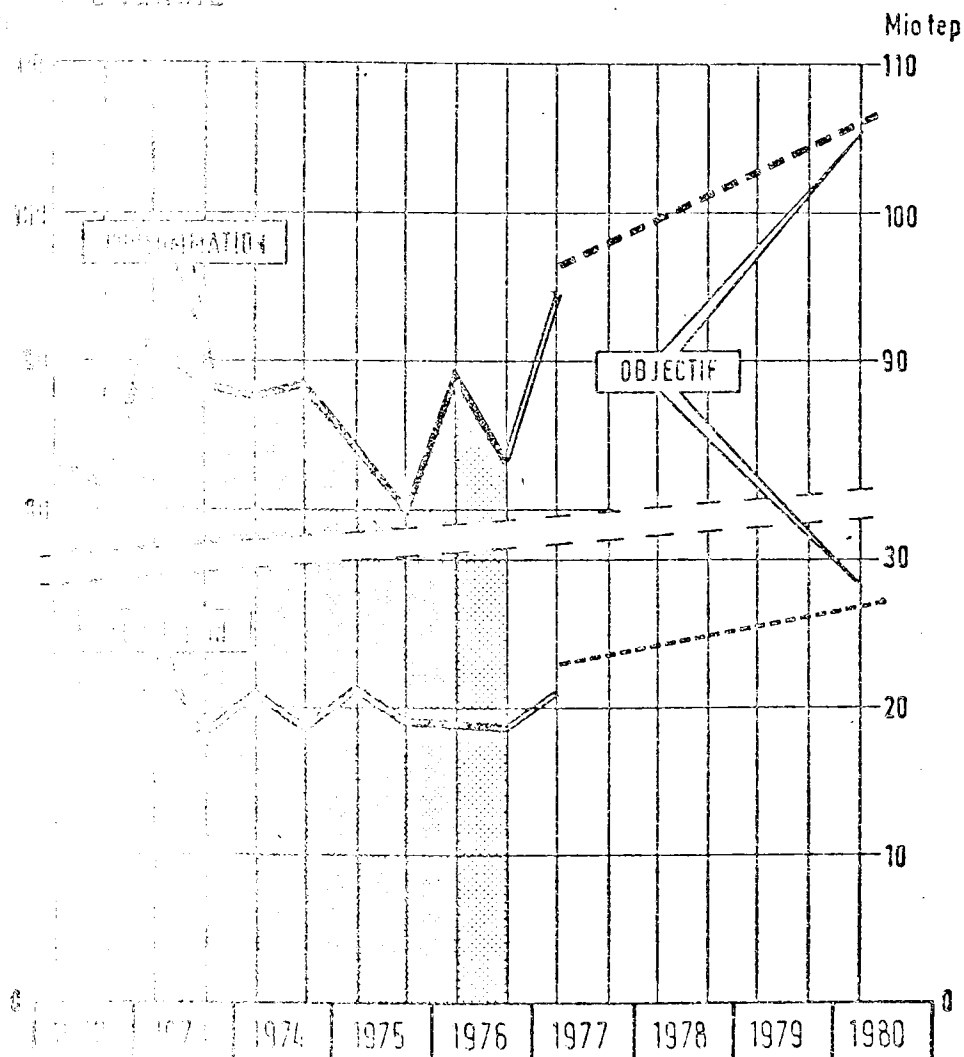


BRUTTO-INLANDSVERBRAUCH IN %.



EVOLUTION DE LA PRODUCTION ET DE LA CONSOMMATION D'ENERGIE

FRANCE



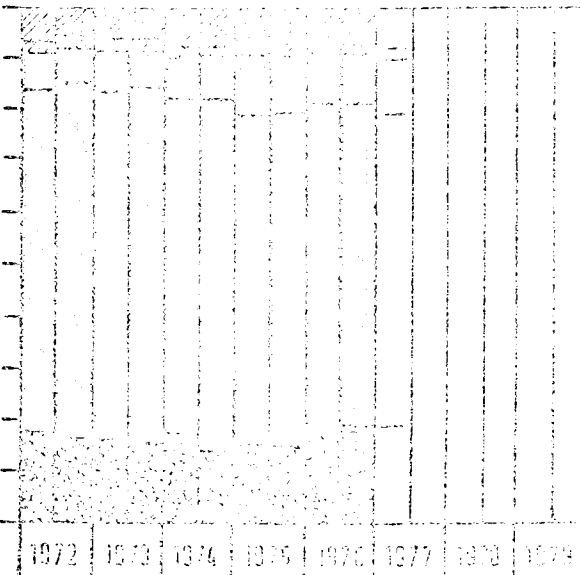
PRODUCTION DE SOURCES PRIMAIRES EN %

énergie
nucléaire
gaz naturel
pétrole brut

Autres (Hydroélectrique)

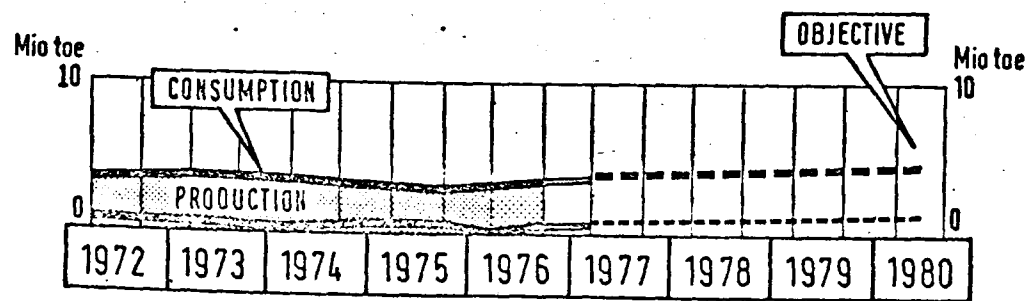
combustibles solides

CONSOMMATION INTERIEURE BRUTE EN %

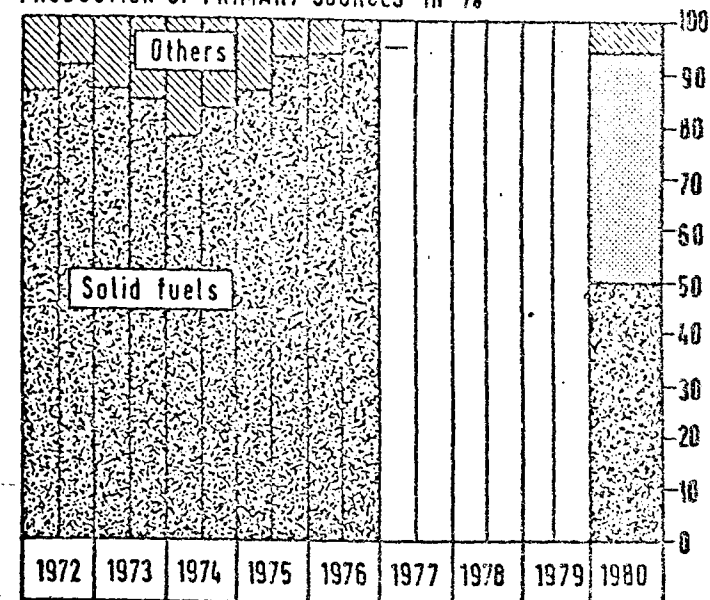


IRELAND

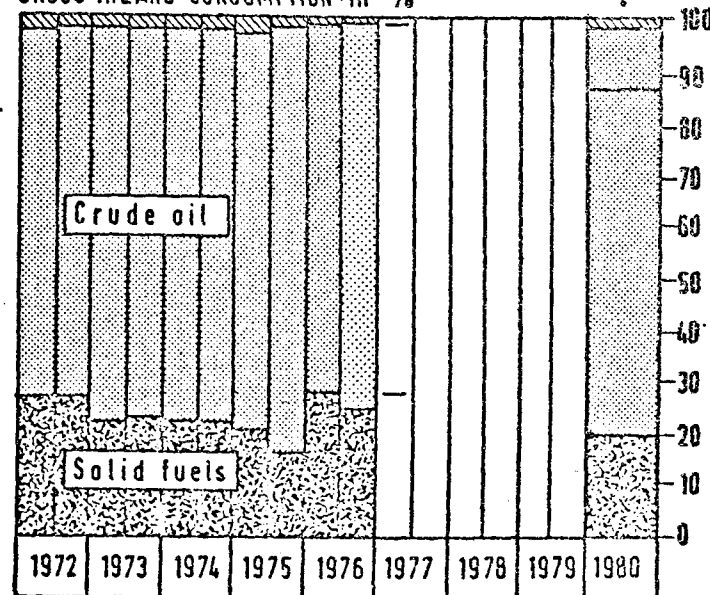
TRENDS IN THE PRODUCTION AND GROSS CONSUMPTION OF ENERGY



PRODUCTION OF PRIMARY SOURCES IN %

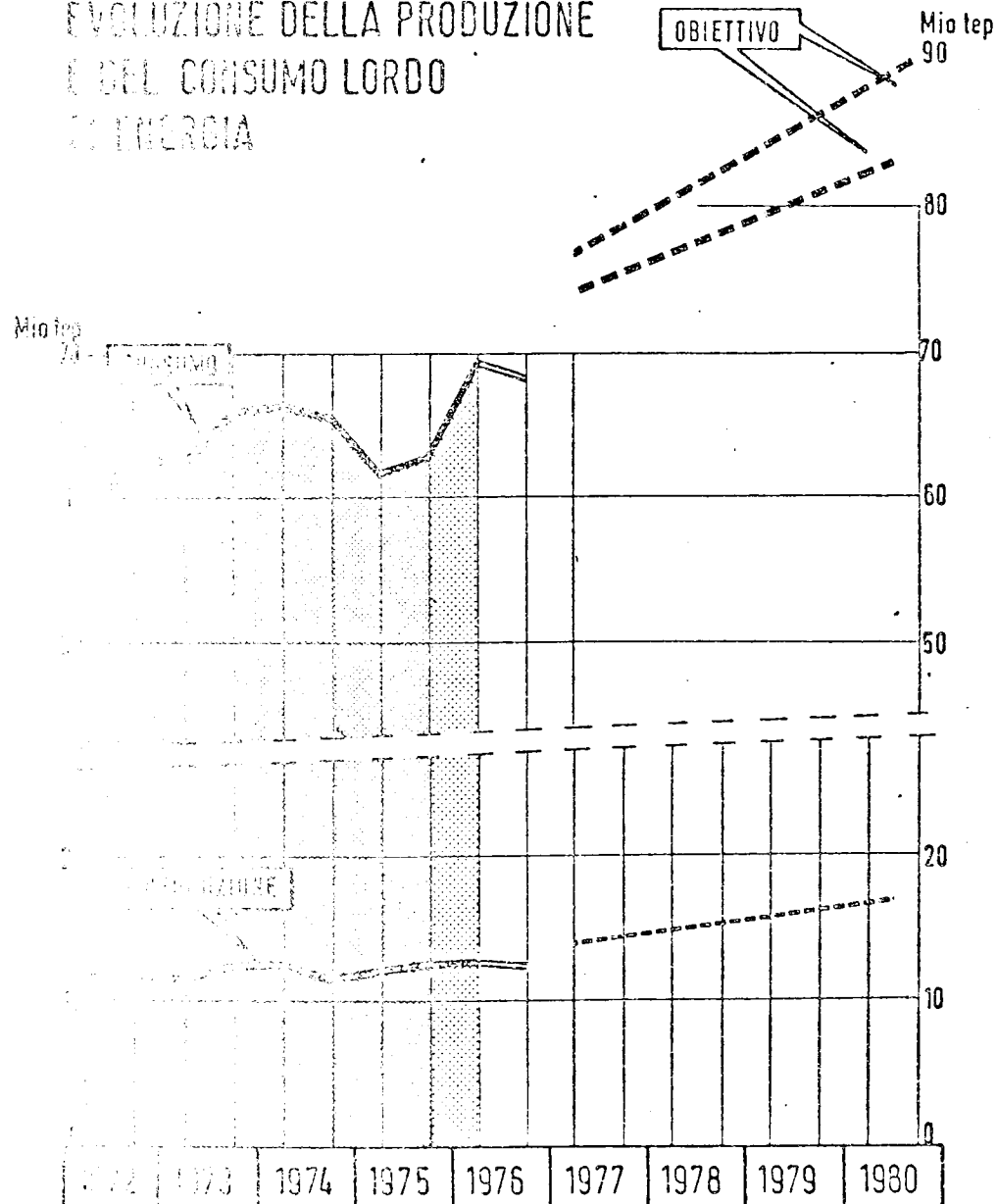


GROSS INLAND CONSUMPTION IN %

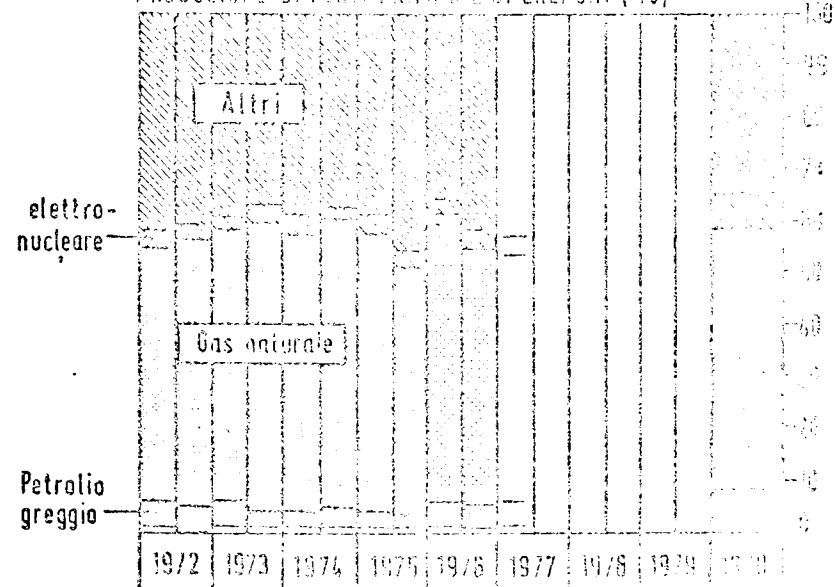


ITALIA

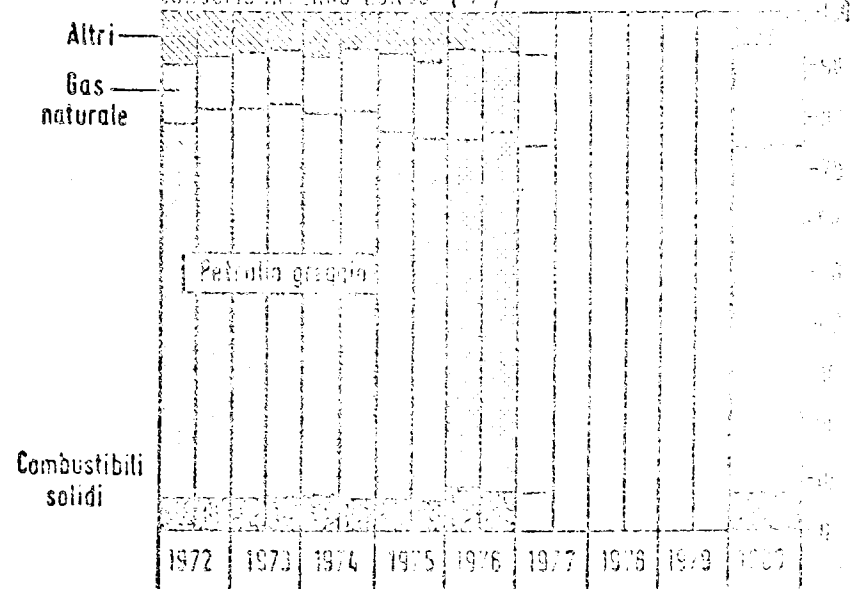
EVOLUZIONE DELLA PRODUZIONE E DEL CONSUMO LORDO DI ENERGIA



PRODUZIONE DI FONTI PRIMARIE DI ENERGIA (%)

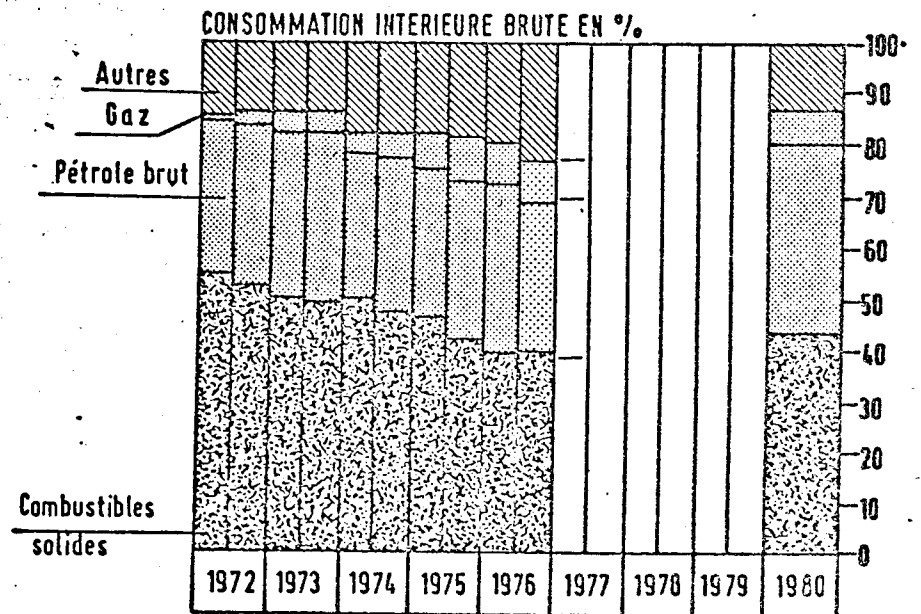
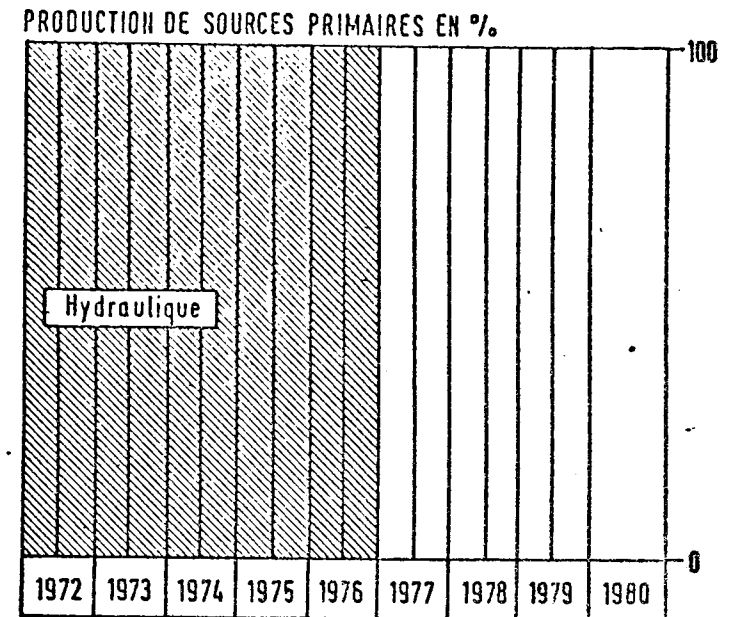
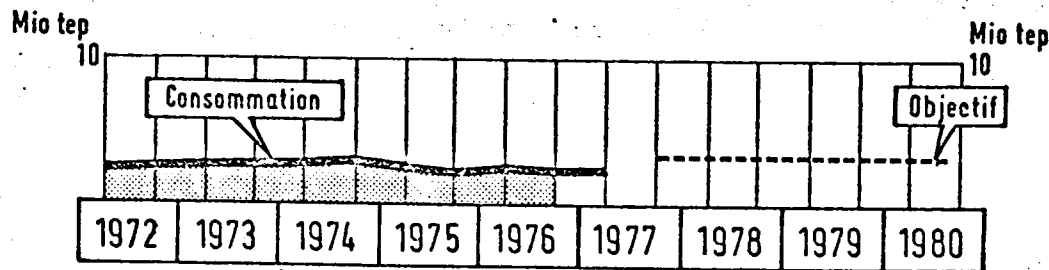


CONSUMO INTERNO LORDO (%)



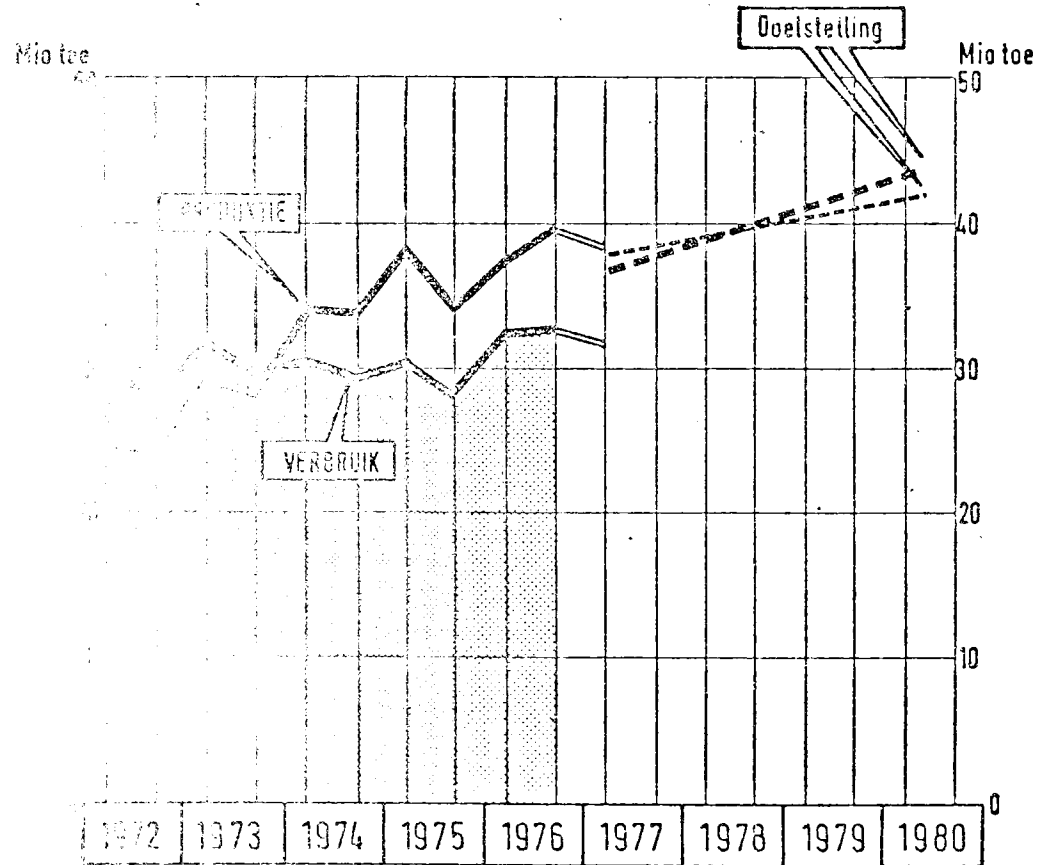
LUXEMBOURG

EVOLUTION DE LA PRODUCTION ET DE LA CONSOMMATION BRUTE D' ENERGIE



NEEDERLAND

ONTWIKKELING VAN DE PRODUKTIE EN BRUTO-ENERGIEVERBRUIK



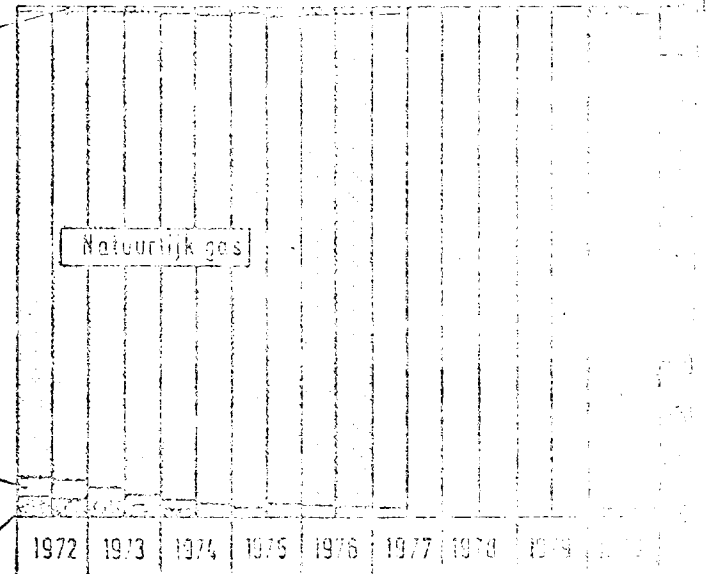
PRODUKTIE VAN PRIMAIRE ENERGIEDRAGERS IN %

Kernenergie

Natuurlijk gas

ruwe
aardolie

vaste
brandstoffen

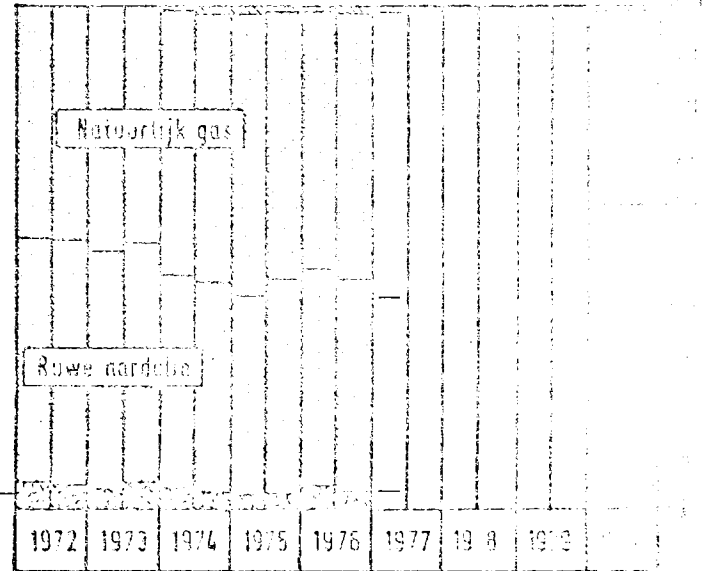


BRUTO BINNENLANDS VERBRUIK IN %

Natuurlijk gas

Ruwe aardolie

vaste
brandstoffen



UNITED KINGDOM

TRENDS IN THE PRODUCTION AND GROSS CONSUMPTION OF ENERGY

