



ENERGY PROSPECTS IN THE MEDITERRANEAN REGION UP TO 2020

IN PARTNERSHIP WITH THE “OBSERVATOIRE MÉDITERRANÉEN DE L’ÉNERGIE”

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**Observatoire Méditerranéen
de l'Énergie**

**“ENERGY PROSPECTS
IN THE MEDITERRANEAN REGION
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This study was produced by OME for the benefit of Plan Bleu in the framework of the follow-up of Mediterranean Strategy for Sustainable Development’s Energy chapter and under the aegis of the Mediterranean Commission for Sustainable Development.

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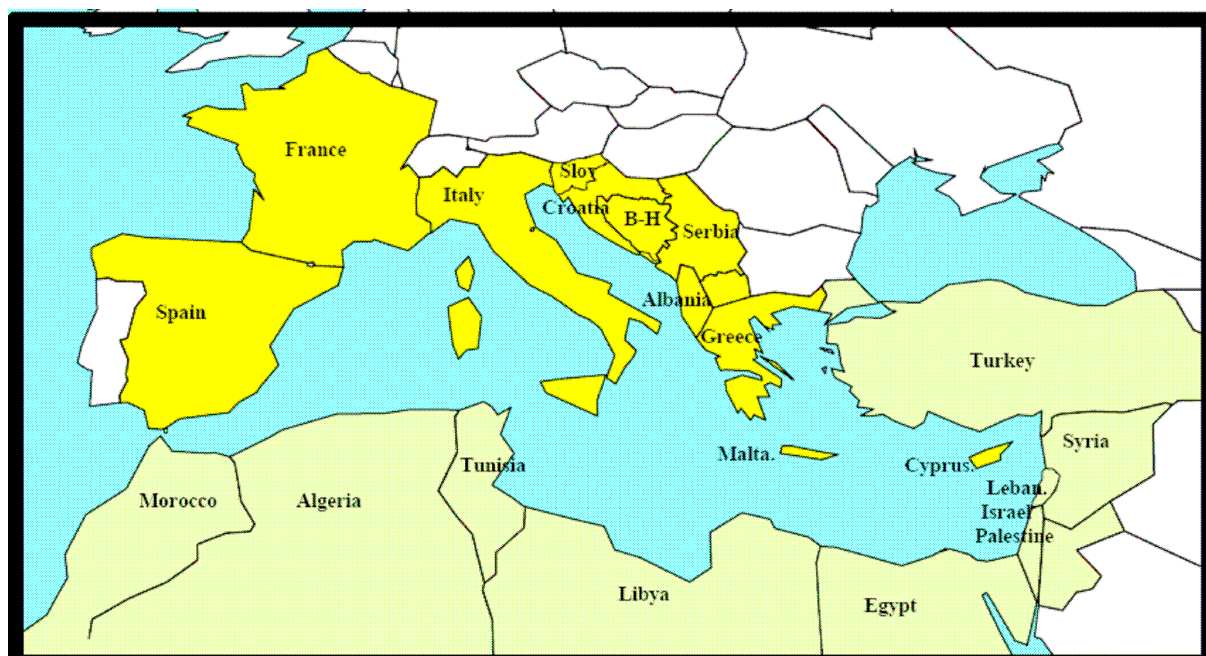
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The Countries of the Mediterranean region

The Mediterranean, as defined in this report, is divided into two sub-regions: the countries of the Southern and Eastern Mediterranean (SEMCs) and the countries of the Northern Mediterranean (NMCs). These are divided up in the following way:

- Countries of the Southern and Eastern Mediterranean Countries (SEMCs) - For the East, included are: Turkey, Israel, Palestine, Syria and Lebanon. For the South side: Egypt, Libya, Tunisia, Algeria and Morocco.
- Countries of the Northern Mediterranean Countries (NMCs) - Spain, France, Italy, Greece, Cyprus, Malta and Monaco. Also included are the Balkans countries: Albania, Slovenia, Croatia, Serbia, Bosnia- Herzegovina and Macedonia.
- As such, excluded from the Mediterranean area are Portugal and Jordan.



Source: OME

List of selected Mediterranean countries

Mediterranean countries

1	<i>North Mediterranean Countries (NMCs)</i>	<i>North Shore</i>	Spain
2			France
3			Italy
4			Greece
5			Cyprus
6			Malta
7			Monaco
8			Slovenia
9			Croatia
10			Serbia & M.
11			Bosnia & H.
12			Macedonia
13			Albania
14	<i>Southern & Eastern Mediterranean Countries (SEMCs)</i>	<i>Eastern Shore</i>	Turkey
15			Israel
16			PNA
17			Syria
18		Lebanon	
19		<i>Southern Shore</i>	Egypt
20			Libya
21			Tunisia
22			Algeria
23			Morocco

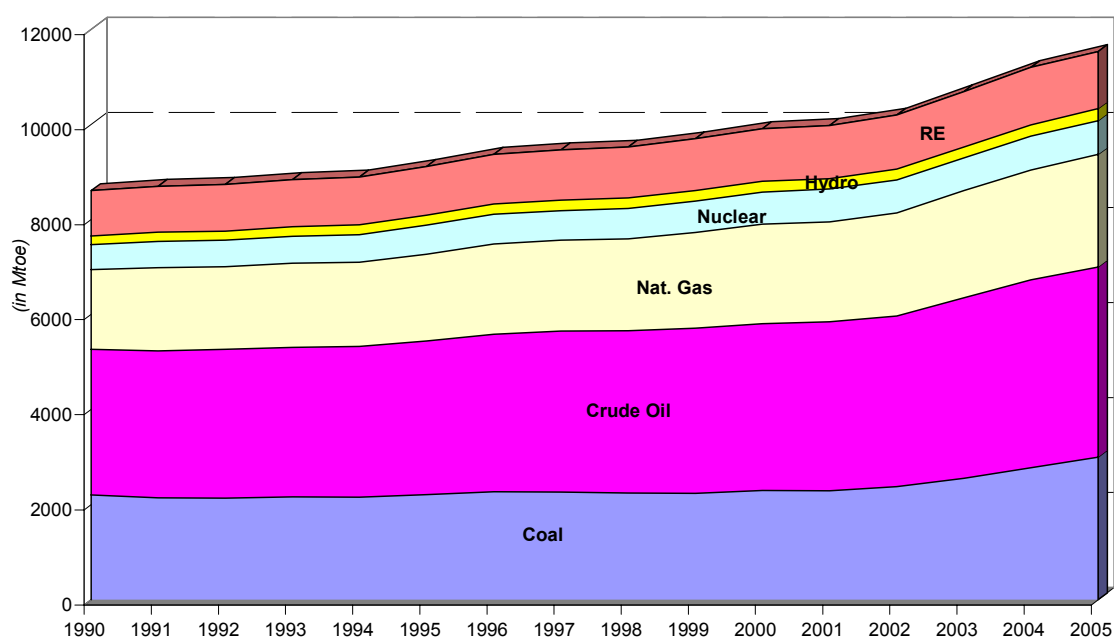
CHAPTER 1

MAJOR TRENDS IN ENERGY DEMAND

1.1. INTRODUCTION

World total primary energy consumption (TPES) has increased at an average rate of 2 per cent per year over the past 15 years (1990-2005)¹. In 2005, world TPES reached 12663 million tones of oil equivalent (Mtoe), representing an increase of about 3 per cent over the previous year. The trends of world TPES is represented in Figure 1.1 by type of fuel. Oil remains the dominant energy source (35 per cent) in the fuel-mix, followed by coal and natural gas (26 and 21, respectively). Most energy forecasts agree that a continued increase in world economic growth should drive a relatively robust increase in world energy over the next two decades – with most of the growth occurring in non-OECD countries².

Figure 1.1 Trends in world TPES (1990-2005) by energy source



Data source: IEA Statistical database

In terms of geographical distribution³, world TPES is divided as illustrated in Figure 1.2, with the Asia Pacific region accounting for the largest share (32 per cent), followed by Europe/Eurasia and North America (28 and 27 per cent). The remaining primary energy consumption is divided up between the Middle-East, South/Central America (5 per cent each) and Africa (3%).

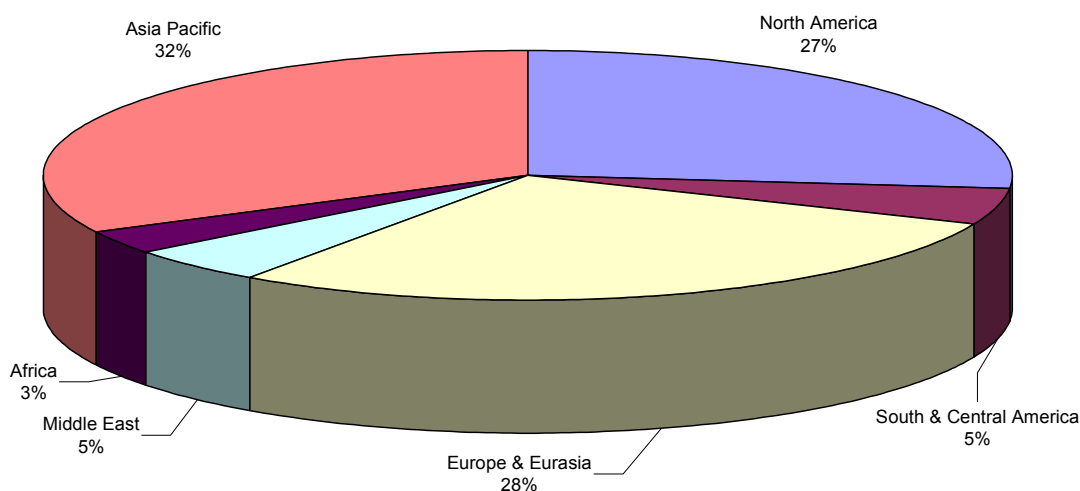
¹ Based on International Energy Agency data sources.

² For more information on world energy forecasts see, among others, projections by the Energy Information Administration (EIA/DOE) and the International Energy Agency (IEA).

³ Data source based on BP Statistical Review of World Energy 2006.

According to this data source, the Mediterranean region (including in this report) accounts for a fair share of total world TPES, amounting to 8 to 9 per cent. The largest share is consumed by Northern Mediterranean Countries (72 per cent) and the remaining 28 per cent by the Southern and Eastern Mediterranean countries.

Figure 1.2 Regional distribution of world TPES (in 2005)



Data sources: BP Statistical Review of World Energy 2006

1.2. PRIMARY ENERGY IN THE MEDITERRANEAN

1.2.1. Introduction

Despite being grouped around a commonly shared sea, Mediterranean countries are characterized by some major differences both between the Northern and the Southern/Eastern shores but also notable differences exist between the countries in each group.

Generally, Southern and Eastern Countries (SEMCs) face a rapid demographic growth combined with relatively low incomes, a rapid urbanization rate and important socio-economic development needs. This translates into a growing and new demand for energy services and related infrastructure. Indeed, in all SEMCs, energy demand (and electricity, in particular) is increasingly quite rapidly. In contrast, Northern Mediterranean Countries (NMCs) are characterized by more mature economies, illustrated by sectoral transformation of their economies towards the services sector and saturation of energy demand for certain energy services.

Taking into consideration two determinant factors of energy consumption, namely demographic trends and economic growth, this South-North divide is clearly illustrated for the Mediterranean region.

Demographic trends

The population of the Mediterranean amounts to 459 Million inhabitants in 2005, with that of SEMCs rapidly outpacing that of NMCs. While the average annual population growth rate in SEMCs is expected to slow down to 1.5 per cent (down from 2.2 per cent in the period 1971-2005, total SEMCs' population should reach 323 million by 2020. By contrast, population in NMCs has been stabilizing and should continue to grow at an average 0.3 per cent per year until 2020, reaching 208 million inhabitants (see Table 1.1). It should also be noted concerning SEMCs' population that the bulk of the region's population will be concentrated in Egypt, Turkey, Algeria and Morocco, which will together represent 80 per cent of the total population in SEMCs..

Table 1.1 Demographic trends in the Mediterranean countries (1971-2020)

	Population (in million inhabitants)				Annual rate of growth (%)	
	1971	1990	2005	2020	1971-2005	2005-2020
NMCs	173	192	200	208	0.4%	0.3%
SEMCs	123	194	259	323	2.2%	1.5%
TOTAL	296	386	459	531	1.3%	1.0%

Sources: Direct communication with national institutions.

Economic Development

Economic growth is another essential determinant of energy consumption. Global Mediterranean economic growth reached 2.8 per cent on average per year between the early 1970s and 2005. This growth has slightly slowed down in the last five years (2.1 per cent). Economic growth in the SEMCs was twice that of the NMCs (3.8 and 1.7 per cent, respectively) between 2000 and 2005.

Despite a more sustained overall economic growth in SEMCs, GDP per capita between the two regions remains considerable, reaching on average the order of 1 to 6.3 in 2005.. The disparity between the lowest and the highest GDP per capita in the Mediterranean is 1110 US\$ in Syria as compared to 23000 US\$ in France. Indeed, SEMCs are confronted with relatively low incomes and rapidly growing populations. In addition, developing countries of the region face a rapid urbanisation which translates in new needs for collective infrastructures, such as schools, hospitals and energy networks. According to several forecasts, this average disparity should slightly decrease (in the order of 1 to 5.3) by 2020 assuming an average yearly 5 per cent economic growth rate in SEMCs.

Table 1.2 GDP per capita in the Mediterranean countries (1971-2020)

	GDP/capita using exchange rates (billion \$2000)				Annual rate of growth (%)	
	1971	1990	2005	2020	1971-2005	2005-2020
NMCs	1448	2590	3453	5023	2.6%	2.5%
SEMCs	204	405	713	1463	3.8%	4.9%
TOTAL	1651	2995	4166	6486	2.8%	3.0%

Sources: Direct communication with national institutions.

Import dependency

The Mediterranean area is also divided up between energy importers and exporters. The Northern shore is exclusively net importer of fossil fuels while the SEMCs are further divided up between exporters (Algeria, Egypt, Libya, and Syria) with the remaining countries importing most of their energy needs.

In 2005, Mediterranean countries imported a total amount of 555 Mtoe of fossil fuels, 455 Mtoe in NMCs and the remaining 100 Mtoe were imported by southern/eastern importer countries. (see details Table 1.3).

Table 1.3 Net imports in the Mediterranean (in Mtoe)

	1971	1990	2000	2005	2020
NMCs	257	324	397	455	586
SEMCs	10	43	85	100	254
Total imports	267	367	482	555	840

Source: OME

In terms of energy dependency in 2005, details by country and by energy source are provided in Table 1.4. Average import dependency in NMCs is 67 per cent in 2005 (up from 64 per cent in 2000) and is expected to continue increasing to reach 71 per cent in 2020. Highest dependency levels are for oil and gas.

Concerning SEMCs, energy import dependency is also high in most countries, Morocco, Lebanon, Israel and Turkey ranking first. Tunisia has recently become a net importer and is expected to reach a much higher dependency level in the coming years.

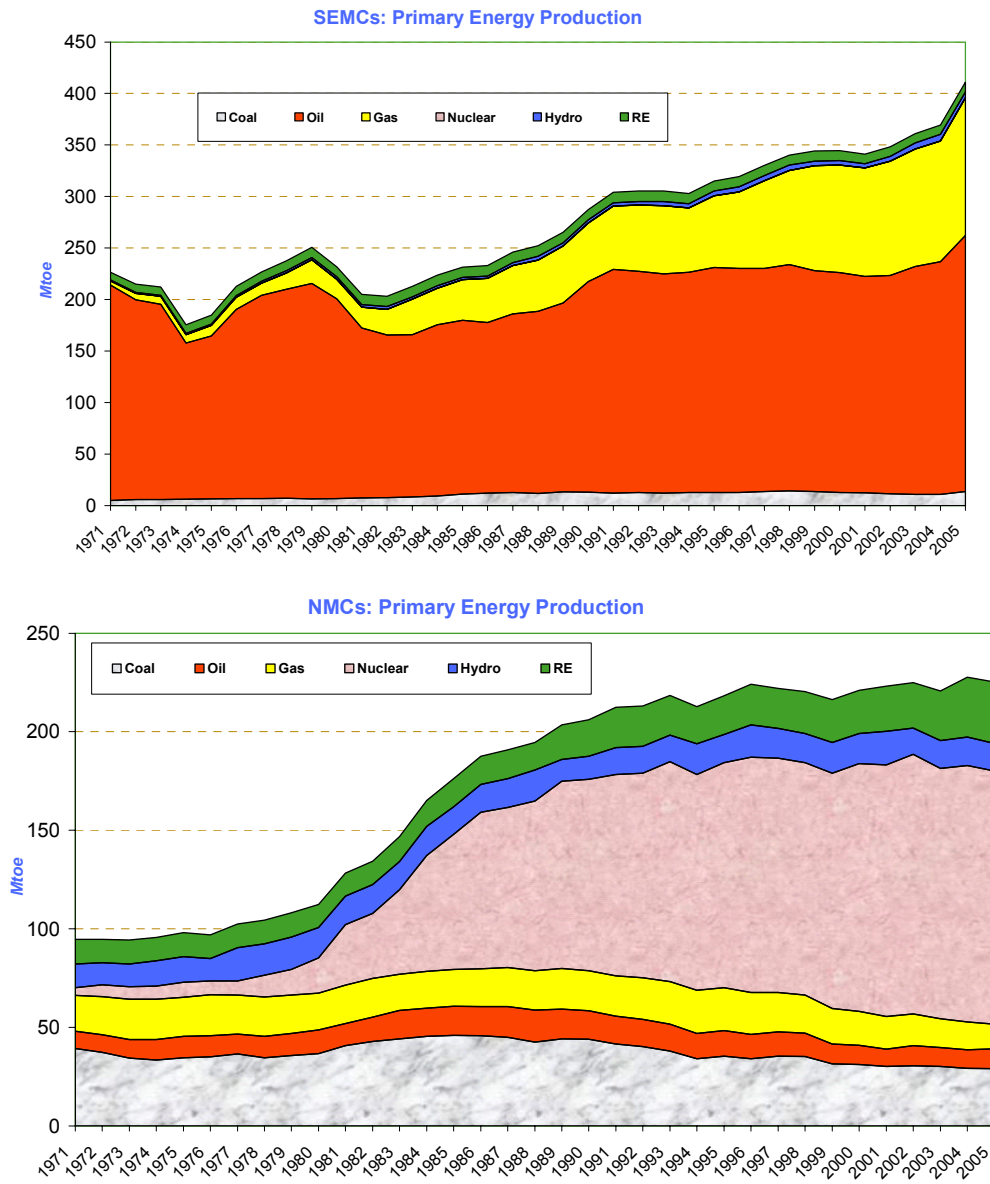
Table 1.4 Energy import dependency 2005 (in %)

	All fuels	Coal	Oil	Gas
Spain	79%	71%	100%	100%
France	51%	97%	99%	98%
Italy	85%	100%	92%	86%
Greece	66%	5%	99%	99%
Cyprus	98%	100%	100%	-
Malta	100%	100%	100%	-
Slovenia	48%		100%	99%
Croatia	60%	100%	74%	42%
Serbia & M.	34%	6%	85%	90%
Bosnia-Herz.	38%	4%	100%	100%
Macedonia	43%	7%	100%	100%
Albania	57%	7%	75%	-
Turkey	70%	46%	92%	97%
Israel	89%	100%	100%	0%
Palestine	100%	-	100%	-
Lebanon	96%	100%	100%	-
Morocco	95%	100%	100%	93%
Tunisia	26%	100%	27%	31%
Syria				
Egypt		100%		
Libya				
Algeria		100%		
NMCs	67%	62%	96%	92%
SEMCs importers	74%	63%	91%	83%

Source: OME

In 2005, the Mediterranean exporter countries supplied about 22 per cent of oil Mediterranean imports and 35 per cent of gas Mediterranean imports. This is due to a sustained oil and natural gas production in the SEMC export countries. In fact, primary energy production in SEMCs represented 1.5 times that of NMCs in the 1990s and 2.5 in the early 2000s. This ratio is expected to increase by 2020 to reach 3.5 times the production of NMCs. In NMCs, the diminishing role of coal and the oil shocks left room for the development of nuclear, hydro and renewable energies. In the meantime, the primary energy production in SEMC export countries is expected to grow very strongly (8 per cent annually between 2005-2020 against 2 per cent between 1971-2005). The SEMCs total energy production is expected to reach about 700 Mtoe against 410 Mtoe in 2005, including mainly natural gas and oil produced by a few exporter countries (as Algeria, Egypt, Libya, and Syria). (see Figure 1.3)

Figure 1.3 SEMCs and NMCs primary energy production (in Mtoe)



Source: OME.

1.2.2. Global trends in primary energy consumption in the Mediterranean

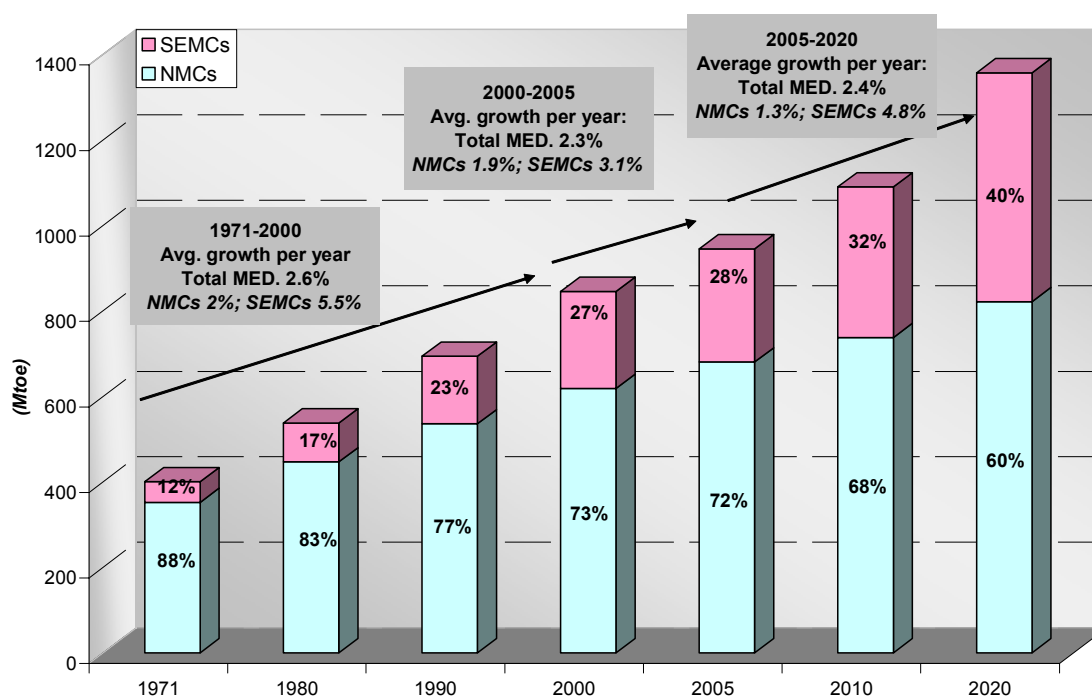
Trends in primary energy consumption are illustrated in Figure 1.4. Total Mediterranean energy consumption increased from 400 Mtoe in 1971 to 945 Mtoe in 2005, growing at an average rate of 2.6 per cent during this period. The Mediterranean region represent around 8 per cent of world consumption.

SEMCs energy consumption increased from 265 Mtoe in 1971 to 536 Mtoe in 2005, growing at an average rate of 5.1 per cent while NMCs growth is slower at about 2 per cent (680 to 820 Mtoe between 1971 and 2005).

As illustrated in the graph, the share of SEMCs consumption in the global Mediterranean region has constantly been increasing from 12 per cent in the early 1970s to 28 per cent in 2005. The share should reach as much as 40 per cent of the total in 2020.

In the future and according to forecasts made by the main energy companies operating in the Mediterranean countries, the primary energy demand will continue to strongly increase: from 945 Mtoe in 2005, it should reach 1090 Mtoe by 2010 and 1360 Mtoe by 2020.

Figure 1.4 Trends in primary energy demand



Source: OME

As far as primary energy consumption per capita is concerned, Mediterranean growth reached an average 1.2 per cent per year between 1971 and 2005. NMCs growth reached 1.5 per cent whereas that of SEMCs 2.9 per cent, thereby decreasing the ratio between the two regions. In fact, SEMCs per capita consumption is currently one-third that of NMCs, compared to one-fifth in 1971. This measure should reach about one half by 2020.

Table 1.5 Per capita primary energy consumption (in koe/cap)

	1971	1990	2000	2005	2020
NMCs	2029	2789	3182	3407	3939
SEMCs	392	815	955	1021	1659
Mediterranean	1351	1798	1957	2059	2553

Source: OME

1.2.3. Primary energy demand by source in the Mediterranean

Figure 1.5 illustrates primary energy consumption between 1971 and 2005 by source for the whole Mediterranean region. Generally, the trends show the increasing penetration of natural gas in the fuel mix and the relative stability of coal and oil. The share of each fuel in 2005 is 45 per cent for oil, followed by natural gas (25 per cent), nuclear (14 per cent), coal (12 per cent), hydro and renewables together (6 per cent).

The following observations can be made for each energy source:

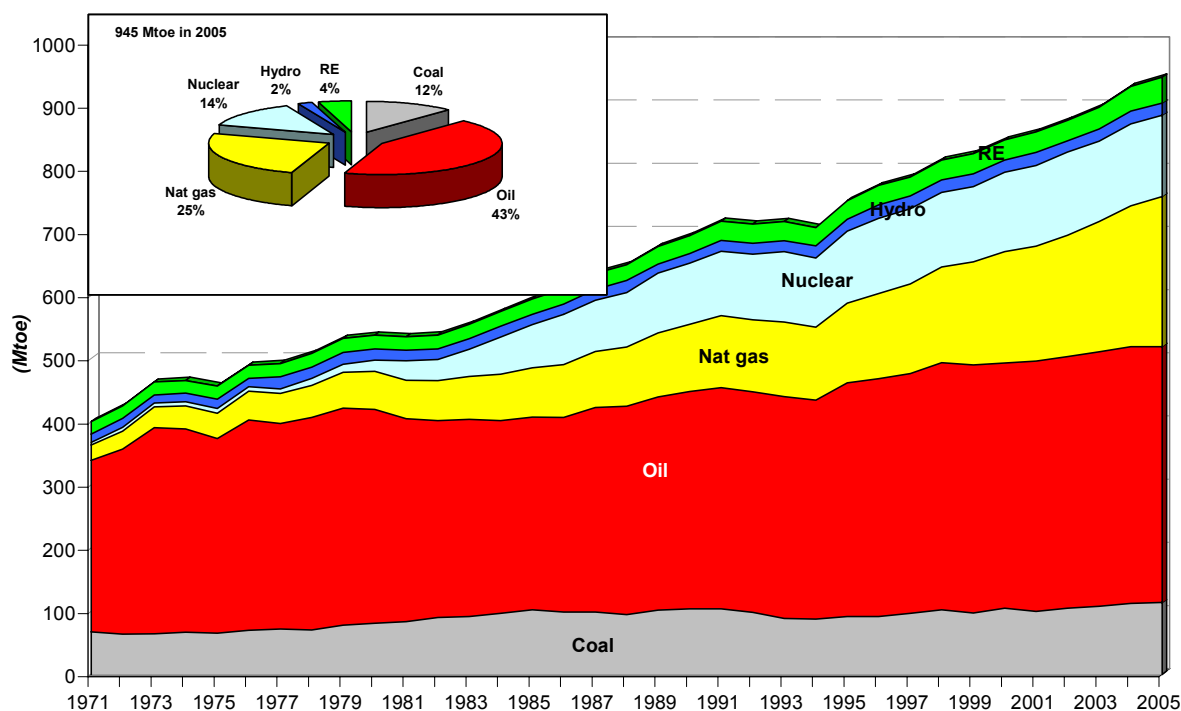
Coal is mostly used in the countries of the Northern shore of the Mediterranean and in Turkey, Israel and Morocco. Its consumption increased from 67 Mtoe in 1971 to about 114 Mtoe in 2005, an average yearly increase of 1.6 per cent. The share of coal slightly decreased (from 17% in 1971 and 15% in 1990) and currently represents 12 per cent.

Coal consumption in the region is expected to reach 163 Mtoe by 2020 (an average annual increase of 2.5 %). This increase in coal consumption is mainly due to the projects of coal power stations in Turkey. The contribution of coal to the overall energy supply will remain stable at around 12 per cent during the period under consideration, consumption in real terms progressing from 114 Mtoe in 2005 to 163 Mtoe in 2020.

The consumption of coal in the SEMCs is likely to increase from 37 to 96 Mtoe between 2005 and 2020, mainly due to the expected growth in Turkey but also in Israel and Morocco.

The NMCs' coal consumption should slightly decrease, from 76 Mtoe in 2005 to 67 Mtoe in 2020, unless the recent commitments of the European Union to reduce its emissions of Carbon Dioxide (after transition phase in the application of the Kyoto Protocol ratified by the European Union) bring about further reductions in coal consumption.

The present estimates already show that coal is resisting the competition in the Mediterranean despite the increase in the use of natural gas. This is linked in particular to its establishment in countries which are at the same time, large producers and large consumers, such as Spain, Italy and France, and its use is maintained in countries such as Turkey, Israel and Morocco who see it as a means of diversification and a secure energy source.

Figure 1.5 Trends in primary energy consumption in the Mediterranean (by source)

Source: OME

Oil has consistently been the dominant fuel in the energy mix of Mediterranean countries. Its consumption had increased from 272 Mtoe in 1971 to 405 in 2005, with an average yearly increase of 1.2 per cent. Its share, however, has been decreasing from 68% in 1971 to 50% in 1990 and 43 per cent in 2005.

In the future, oil consumption is expected to reach 542 Mtoe (average annual growth of 2 per cent until 2020) and its share should stabilize at about 40 per cent. In fact, oil will preserve its commanding position in the Mediterranean and concentrate in those areas of use where no real alternative exists (typically motor fuel and lubrication oils). The relative regression for oil products is essentially explained by the competition from gas in the household and tertiary sectors, especially in the electricity sector (see Power Production in the Mediterranean in Chapter 2).

Growth in oil consumption is expected to be higher in SEMCs (3.3 per cent) than in NMCs (1.2 per cent), the difference being mainly explained by the fast growing demand in transportation sector. As such, oil consumption in SEMCs should increase from 125 in 2005 to 205 Mtoe in 2020 while that of NMCs from 280 to 336 Mtoe in the same period.

In sum, it can be noted that the substitution, notably by gas and electricity, of crude oil in its capacity as "fuel", and the widely increasing "transport" uses, should accelerate the retreat of crude oil to its noble uses - transport and petrochemicals - for which it appears difficult to find a substitute, particularly in the time-scale of this study.

Gas - During the past decades, the average annual increase in the demand for natural gas was about 7 per cent a year, increasing from 24 to 238 Mtoe – a ten-fold increase between 1971 and 2005 (increasing three times more rapidly than total primary energy consumption). One of

the key factors of this considerable growth of the overall energy and natural gas demand is the strong growth of gas-based electricity generation (due to the numerous power plant projects using natural gas, see Power Production in the Mediterranean in Chapter 2). The share of natural gas in the energy balance increased from 6 per cent in 1971 to more than 25% in 2005. In 2020, it should reach a level of 31%, reaching 418 Mtoe with a 3.8 per cent average increase per year.

In the early 1970s, only five Mediterranean countries used natural gas, whereas currently natural gas has a significant share in the energy balance of almost all Mediterranean countries ⁴(except Cyprus, Malta, Lebanon and Palestine). It is also expected that all Mediterranean countries will increasingly consume natural gas.

The natural gas markets in the SEMCs increase more rapidly than those of the Northern Mediterranean countries. In fact, SEMCs natural gas consumption has experienced the strongest growth of all energy sources, reaching an average annual growth rate of 11.3 per cent between 1971 and 2005 (2 to 87 Mtoe). This growth is expected to continue at a rate of 5.6 per cent to reach 196 Mtoe in 2020.

In NMCs, average annual growth was 5.8 per cent between 1971 and 2005 (22 to 151 Mtoe) and is expected to grow by 2.6 per cent until 2020 (222 Mtoe).

Favorite source of fuel for the new power stations in the North as in the South, gas will also see an increase by its penetration in the residential and tertiary markets of the SEMCs, boosted by the growth in population in towns and by the increased urbanization of coastal areas.

The high natural gas consumption levels should easily be satisfied by the availability of the gas reserves (8000 bcm in SEMCs), but will of course require major investments in infrastructure to link production regions to consumption centres.

Nuclear Energy - After a period of rapid growth between the 1970s and 1990s, nuclear energy consumption has remained stable at around 126 to 129 Mtoe between 2000 and 2005. Its share in the energy mix has remained relatively stable 14-15 per cent in the last 15 years and should be falling should to 11 per cent between 2005 and 2020. Its rapid development in the early period under consideration was linked to the massive development of the French nuclear program that started in the 1970s. The growth of nuclear energy in NMCs slowed down following the Italian moratorium on this energy source and the Spanish decision to stop its further development.

Currently, nuclear energy is absent from SEMCs energy mix, even though several nuclear power stations had been announced without their realization. It seems, however, that both Turkey and Egypt have recently called for a nuclear plan of action. Indeed, even their own national energy forecasts that nuclear power generation will represent 4 to 7 per cent of total power production by 2015. In case these projects come to completion, nuclear would represent a share of 2% in primary energy demand of SEMCs by 2020.

⁴ The last entrants were Portugal in 1997, Greece in 1999 (with Algerian LNG), Jordan in August 2003 (with Egyptian gas via the Arab Gasline), Israel since 2004 (with local off-shore production), and Morocco in January 2005 (with commissioning the first NGCC power plant at Tahadart supplied by Algerian GPDFgasline). With the extension of the Arab Gasline, Cyprus, Lebanon and Palestine will join the gas consumer countries.

Renewable energy (including hydro) – Renewables (RE) in the Mediterranean accounted for 33 Mtoe in 1971 and increased to 60 Mtoe in 2005, representing a growth rate of 1.8 per cent on average per year. This is likely to increase at an average annual level of 2.2 per cent between 2005 and 2020 (from 60 Mtoe at present to 83 Mtoe in 2020⁵).

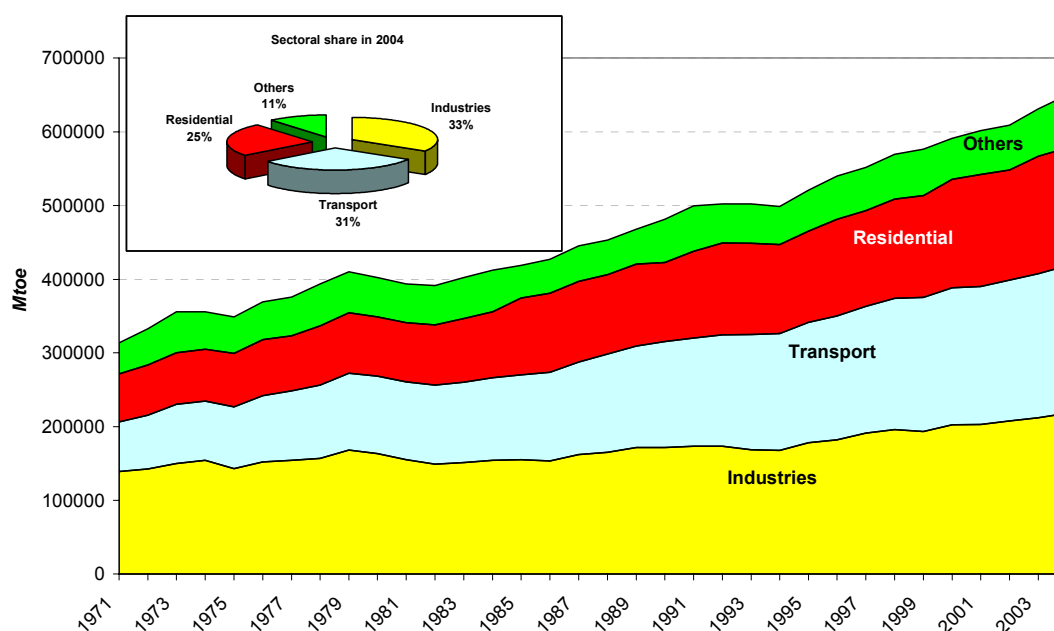
These energies continue to provide only a modest contribution to the energy mix (a share of about 6 per cent) during this period, despite a substantial increase in real terms. Future development will depend on political will and public support, in particular in SEMCs where environmental concerns are at infancy. In NMCs, implementation of several policies (setting a minimum share for RE, introduction of biofuels, etc.) and the introduction of the EU ETS are pointing to a more rapid development of RE in these countries.

⁵ Corresponding for Hydro : from 19 Mtoe in 2005 to 29 Mtoe by 2020; and for renewable energies: from 41 to 53 Mtoe by 2020.

1.3. TOTAL FINAL CONSUMPTION BY SECTOR

Trends in total final consumption (TFC) by sector in the Mediterranean are illustrated in Figure 1.6, showing an average growth of 2.2 per cent per year between 1971 and 2004. The average yearly growth by sector in the same period is 3.3 per cent for the transport sector, followed by the residential & other sectors (2.8 and 1.6 per cent, respectively) and the industrial sector (1.4 per cent). The sectoral breakdown of TFC in 2004 is divided up between residential & others (25 and 11 per cent, respectively), followed by industry (34 per cent) and transport (31%). The shares of the transport sector (23 to 33 per cent) and that of the residential sector (20 to 25 per cent) have increased in the sectoral breakdown.

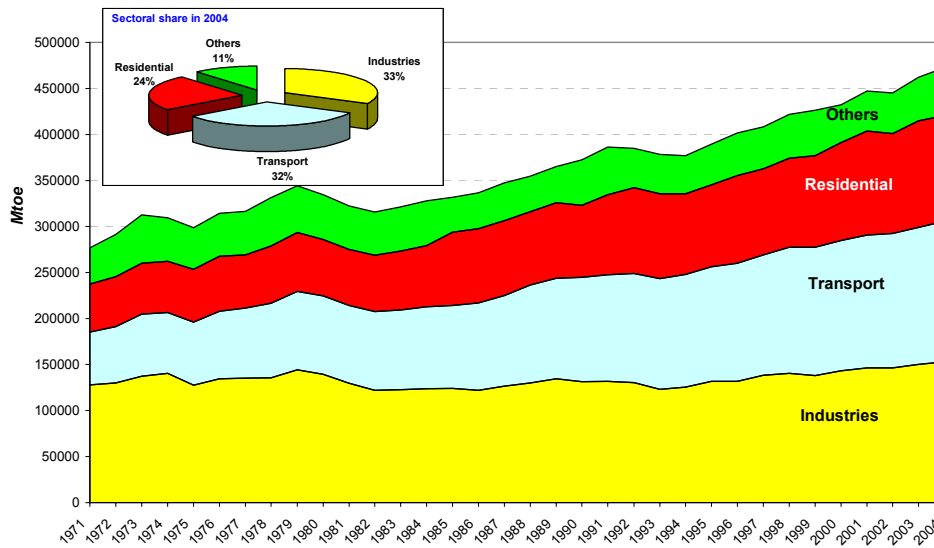
Figure 1.6 Mediterranean total final consumption (by sector)



Source: International Energy Agency, Energy Balances for OECD and non-OECD countries, 2006.

Concerning NMCs, trends in total final consumption (TFC) by sector are illustrated in Figure 1.7, showing an average growth of 1.6 per cent per year between 1971 and 2004. The average yearly growth by sector in the same period is 3 per cent for the transport sector, followed by the residential & other sectors (2.4 and 0.8 per cent, respectively) and the industrial sector (0.5 per cent). The sectoral breakdown of TFC in 2004 is divided up between residential & others (24 and 11 per cent, respectively), followed by industry (33 per cent) and transport (31%). The share of the transport sector in NMCs has considerably increased in the period under consideration (21 to 31 per cent).

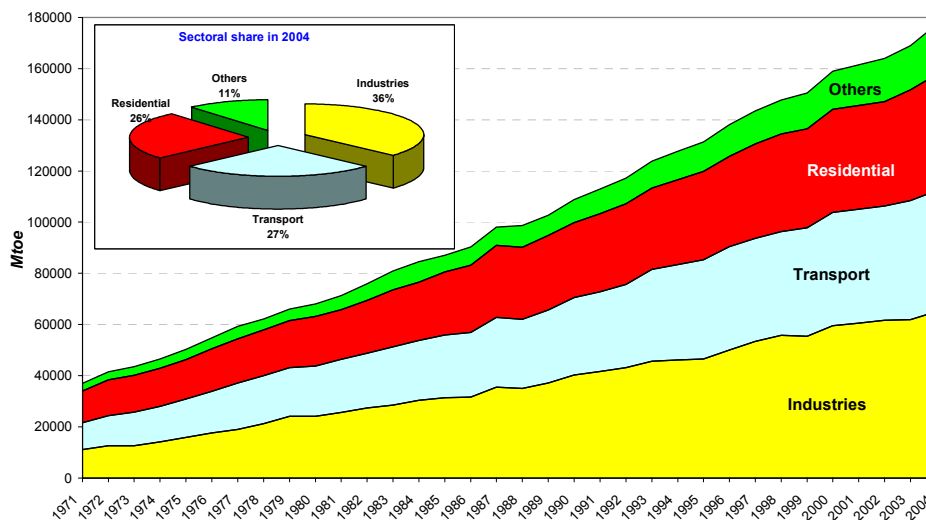
Figure 1.7 NMCs total final consumption (by sector)



Source: International Energy Agency, Energy Balances for OECD and non-OECD countries, 2006.

As far as SEMCs are concerned, trends in total final consumption (TFC) by sector are illustrated in Figure 1.8, showing an average growth of 4.9 per cent per year between 1971 and 2004. The average yearly growth by sector in the same period is 4.7 per cent for the transport sector, followed by the residential & other sectors (4 and 5.9 per cent, respectively) and the industrial sector (5.5 per cent). The sectoral breakdown of TFC in 2004 is divided up between residential & others (26 and 11 per cent, respectively), followed by industry (36 per cent) and transport (27%). It should be noted that the share of industry in SEMCs has grown considerably between 1971 and 2004 (from 29 to 36 per cent).

Figure 1.8 SEMCs total final consumption (by sector)



Source: International Energy Agency, Energy Balances for OECD and non-OECD countries, 2006.

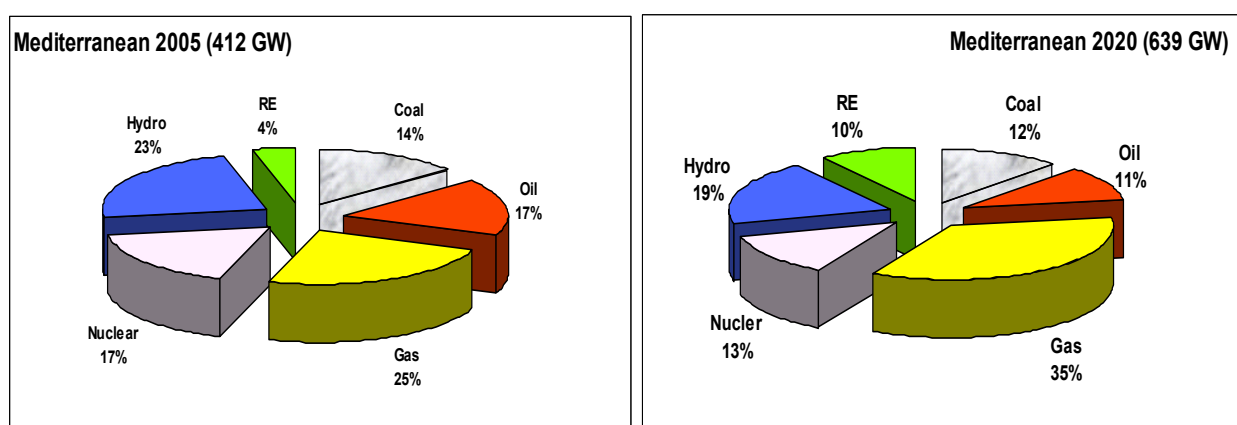
CHAPTER 2 POWER PRODUCTION IN THE MEDITERRANEAN

2.1. INSTALLED POWER CAPACITY

Installed power capacity in the Mediterranean region has grown considerably over the past three decades to reach 412 GW in 2005. The capacity has increased by one-third in the past decade. In 2005, the share of natural gas dominates the power generation park (25 per cent), followed by hydro (23 per cent), oil and nuclear (17 per cent, each), coal and renewables (14 and 4 per cent, respectively).

Between 2005 and 2020, an additional 200 GW of new power plants should be completed. The vast majority should be natural gas-fired power plants (60 per cent of the increase, i.e., +120 GW) and RE (21 per cent share of the increase; i.e., +43 GW), which shows a spectacular increase. It should be noted that the share of oil capacity will decrease throughout the region.

Figure 2.1 Total installed capacity in the Mediterranean region (2005 and 2020)



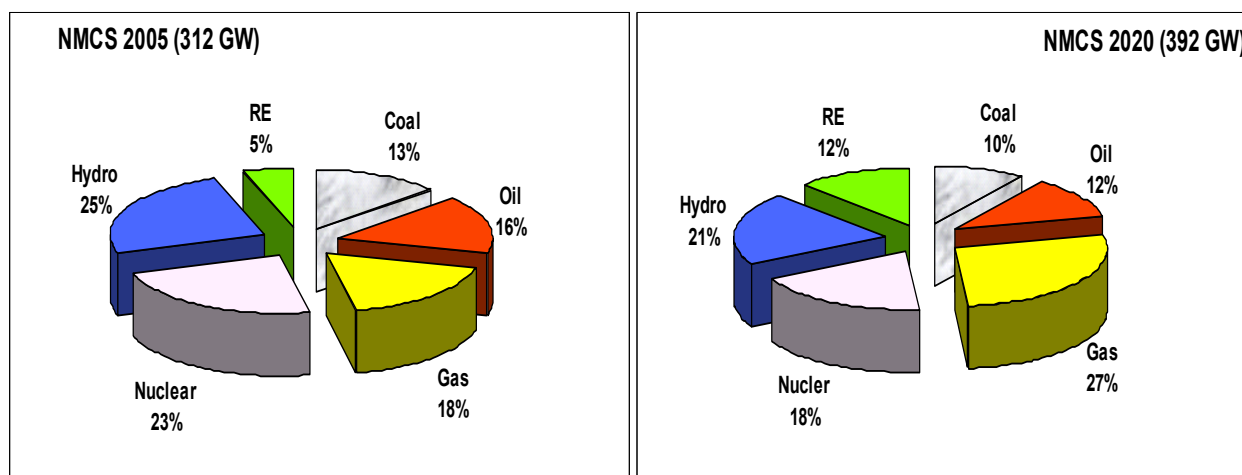
GW	ST Coal	ST Oil	ST Gas	CC	GT & diesel	Nucl.	Hydro	RE	Total
2005	58	49	33	61	24	71	97	17	412
2020	73	39	57	153	33	78	119	60	611

Source: Eurelectric, UAPTDE⁶ and OME direct communication with companies.

In NMCs, about two-third of the total 311 GW installed capacity in 2005 is covered by hydro, nuclear and natural gas (respectively, 25, 23 and 18 per cent). Total installed capacity is expected to increase to 392 GW by 2020, where the share natural gas should dominate, followed by hydro and nuclear. Renewables (excluding hydro) should see their share increase significantly to 12 per cent (against 5 per cent in 2005). This phenomenon is driven by the development in wind-based power generation.

⁶ See <http://www.eurelectric.org/> and http://www.auptde.org/oldsite/english_site.htm

Figure 2.2 Total installed capacity in NMCs (2005 and 2020)

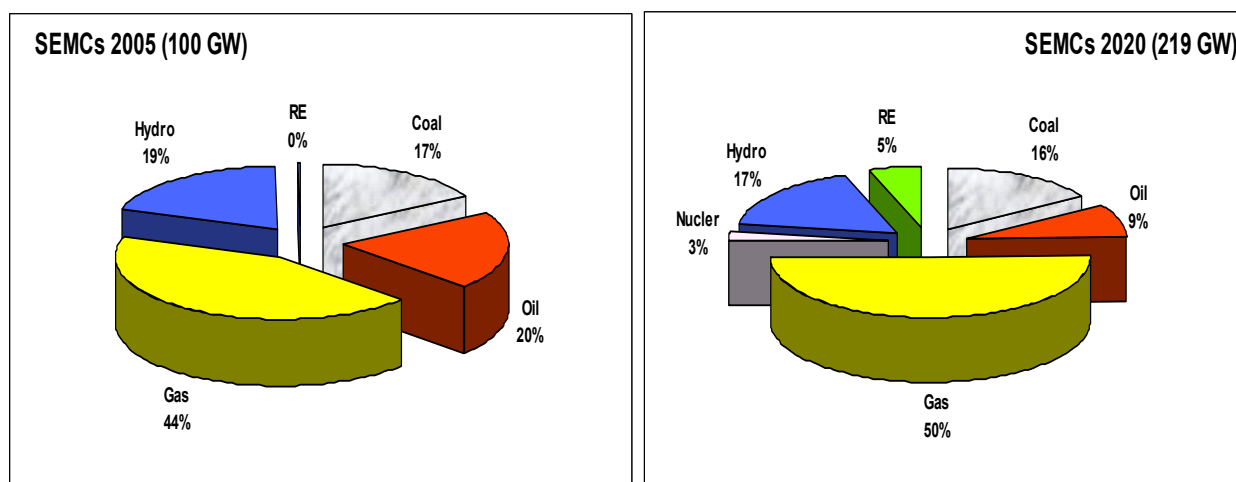


GW	ST Coal	ST Oil	ST Gas	CC	GT	Nucl.	Hydro	RE	Total
2005	42	38	16	40	10	71	77	17	311
2020	38	29	21	86	16	72	81	48	392

Source: Eurelectric, UAPTDE and OME direct communication with companies.

Total installed capacity in SEMCs reached 100GW in 2005, dominated by natural gas, oil and hydro (44, 20 and 19 per cent of the total). Capacity should increase to 219 GW by 2020 (+120 GW), with gas representing as much as 50 per cent of total installed capacity (+66 GW), followed by hydro and coal. Nuclear should appear in the fuel mix by 2015 through the Egyptian and Turkish projects.

Figure 2.3 Total installed capacity in SEMCs (2005 and 2020)



GW	ST Coal	ST Oil	ST Gas	CC	GT & diesel	Nucl.	Hydro	RE	Total
2005	17	11	17	21	15	0	20	0	100
2020	35	10	35	67	17	6	38	12	219

Source: Eurelectric, UAPTDE and OME direct communication with companies.

Between 2000 and 2005, 62 GW of new power plants have been built (about 12000 MW/year). In the baseline scenario (business as usual), this trend will continue with an

average of about 13400 MW/year, amounting to an additional 200 GW capacity by 2020 (this represents as much as 400 new power plants with 500 MW capacity each).

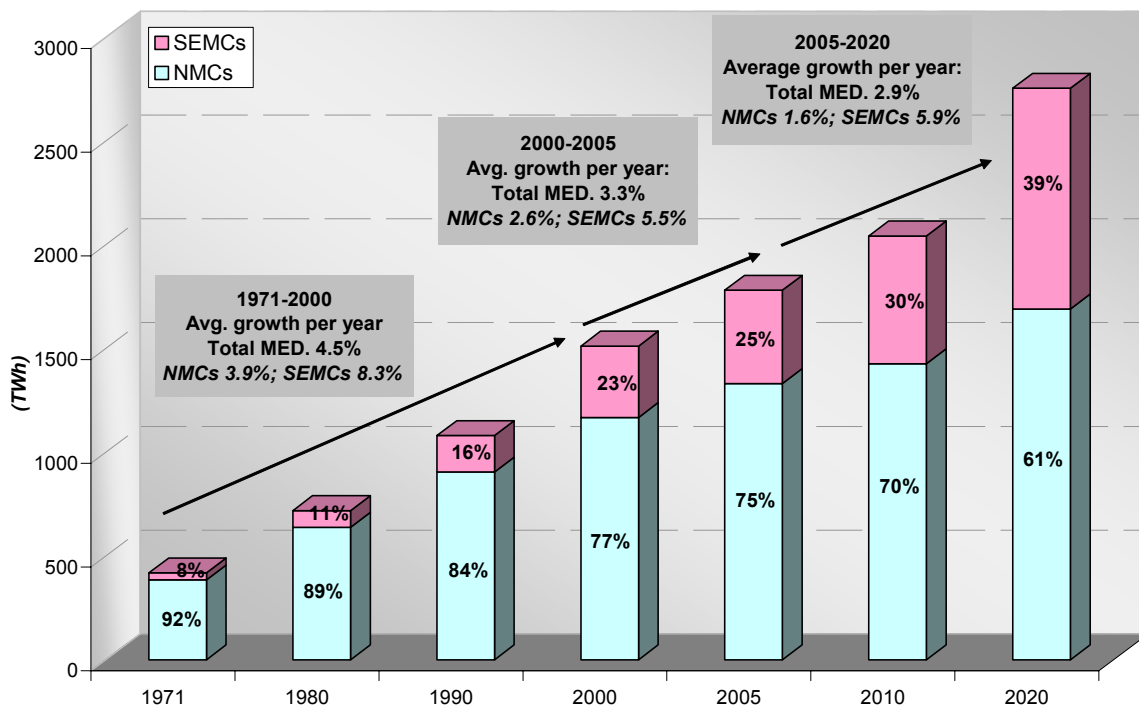
2.2. POWER PRODUCTION

2.2.1. Trends in power production

Power generation in the Mediterranean has reached 1780 TWh in 2005 (419 TWh in 1971), three-fourth produced in the NMCs (92 per cent in 1971) and the remaining 25 per cent in SEMCs (8 per cent in 1971). Electricity generation has been experiencing a sustained growth in the whole region (4.3 per cent) and more specifically in the SEMCs, with a strong average growth rate of 7.9 per cent between 1971 and 2005 compared to 2.6 per cent for NMCs.

According to forecasts by power companies, total power generation in the Mediterranean should reach 2750 TWh by 2020, with an average annual growth rate of 2.9 per cent between 2005 and 2020. In NMCs, total power generation should increase from 1331 to 1690 TWh (average annual growth 1.6 per cent). Meanwhile, SEMCs production would more than double from 450 to 1060 TWh (average annual growth 5.9 per cent).

Figure 2.4 Trends in Mediterranean power generation (TWh)



Source: OME

Electricity consumption in the Mediterranean countries is closely linked to the level of economic development. It can be noted that the per capita electricity consumption differs between the two shores of the Mediterranean, with an average of 6665 kWh/cap in NMCs as compared to 1736 kWh/cap in SEMCs. The ratio of per capita electricity consumption

between SEMCs and NMCs has decreased from 1/8 in 1971 to 1/3.8 in 2005 and should reach 1/2.5 in 2020 (see Table 2.1).

Table 2.1 Per capita primary energy consumption (in kWh/cap)

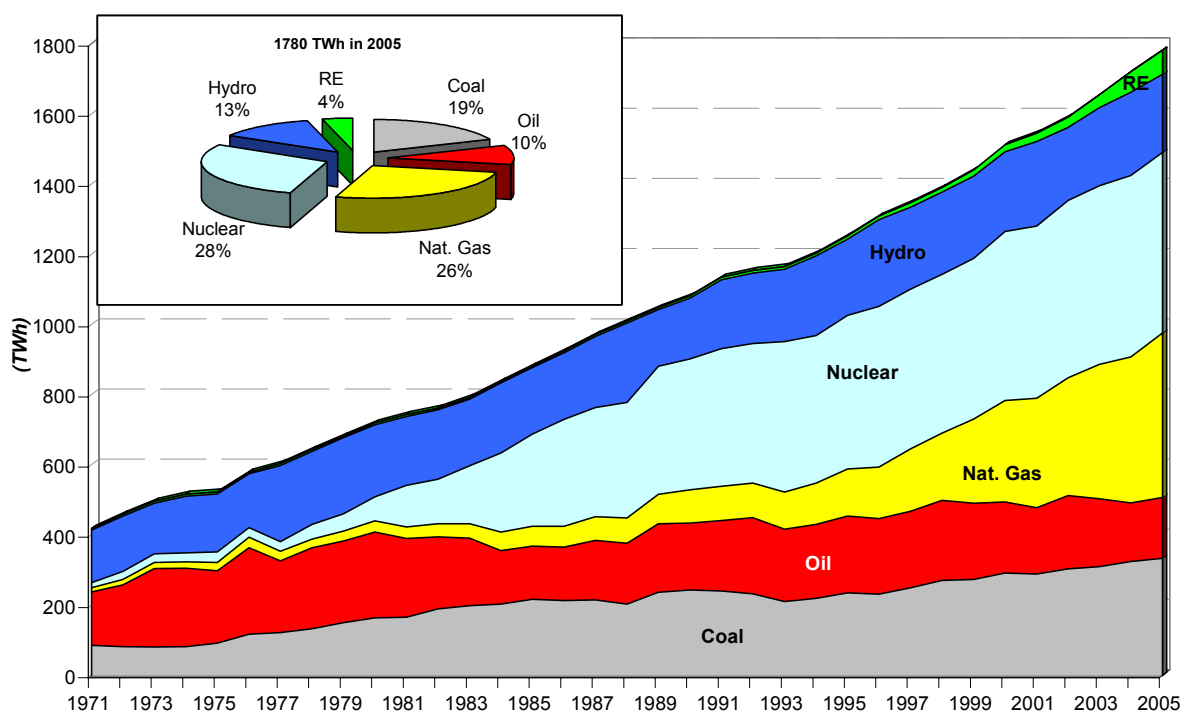
	1971	1990	2000	2005	2020
NMCs	2219	4715	6011	6665	8112
SEMCs	278	906	1450	1736	3290
Mediterranean	1414	2803	3502	3881	5181

Source: OME

2.2.2. Power production by source

Strong growth in power generation in the Mediterranean is further illustrated in Figure 2.5. While the growth of natural gas-based production has reached an average annual growth rate of 11.5 per cent as opposed to a very low growth for oil (0.4 per cent).

Figure 2.5 Trends in Mediterranean power generation (by source)



Source: OME

The growth of power generation by energy source between the two regions is summarized in Table 2.2. Natural gas growth rate has been very strong in the last three decades in both NMCs and SEMC. The spectacular 17.5 per cent increase in the growth in SEMCs is due to the low use of this fuel in the 1970s (the growth reached 8.5 per cent per year over the past

five years). In NMCs, natural gas continues its penetration at an increasingly rapid rate over the past few years (11.8 per cent between 2000 and 2005).

Table 2.2 Trends in the growth of power production (by source, 1971-2005)

	Coal	Oil	N. Gas	Nuclear	Hydro&RE	Total
NMCs	3,2%	-0,8%	9,7%	10,9%	1,4%	3,7%
SEMCs	10,3%	4,0%	17,5%		5,3%	7,9%
Total	4,1%	0,4%	11,5%	10,9%	1,9%	4,3%

Source: OME.

SEMCs power generation by source

Starting with 1 TWh **natural gas**-based power generation, SEMCs have reached a level of 223 TWh in 2005 and is expected to reach as much as 600 TWh in 2020. This trend corresponds to natural gas-based power generation accounting for a share of 3 per cent in 1971, going up to as much as 50 per cent in 2005 and reaching 56 per cent in 2020.

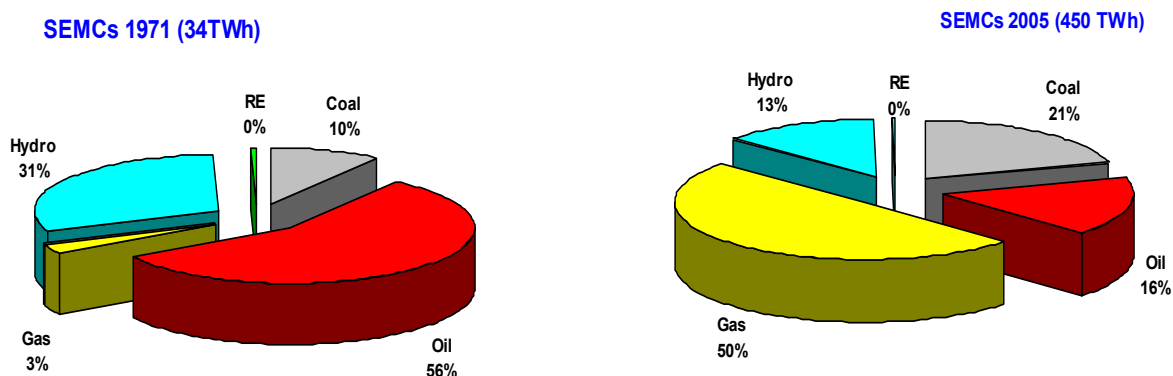
In the meantime, the share of **oil**-based power generation has greatly diminished at the benefit of natural gas. Oil-based generation was 19 TWh in 1971 (56 per cent of total power generation), reached 74 TWh in 2005 (16 per cent share) and is expected to decrease to 45 TWh in 2020 (4 per cent share)

Coal-based power generation concerns three countries, namely Turkey, Israel and Morocco. Its production has increased from 3 to 93 TWh between 1971 and 2005 (share of 10 and 21 per cent of total power generation, respectively). It is expected to reach 210 TWh by 2020 (20 per cent share).

As far as **hydro**-based power generation is concerned, it has increased from 10 to 59 TWh in the period under consideration, expected to reach about 140 TWh in 2020. Its share in total power generation diminished from 31 to 13 per cent, stabilizing at this level by 2020. While SEMCs have reached their full hydro potential, Turkey will be the only country experiencing further growth.

RE-based power generation started in the 1990s in particular with projects in Morocco and Egypt and has reached 1.6 TWh in 2005 (0.1 per cent share of total power generation) and expected to increase to 29 TWh in 2020 (3 per cent share).

While currently non-existent, **nuclear**-based power generation should see some development with the planned power plant projects in Egypt and Turkey starting in 2015.

Figure 2.6 Share of energy sources in power generation for SEMCs

Source: OME

NMCs power generation by source

Starting with 11 TWh **natural gas**-based power generation, NMCs have reached a level of 246 TWh in 2005 and is expected to reach as much as 544 TWh in 2020. This trend corresponds to natural gas-based power generation accounting for a share of 3 per cent in 1971, going up to as much as 18 per cent in 2005 and reaching 32 per cent in 2020.

In the meantime, the share of **oil**-based power generation has greatly diminished at the benefit of natural gas. Oil-based generation was 132 TWh in 1971 (34 per cent of total power generation), diminished to 100 TWh in 2005 (7 per cent share) and is expected to decrease to 55 TWh in 2020 (3 per cent share)

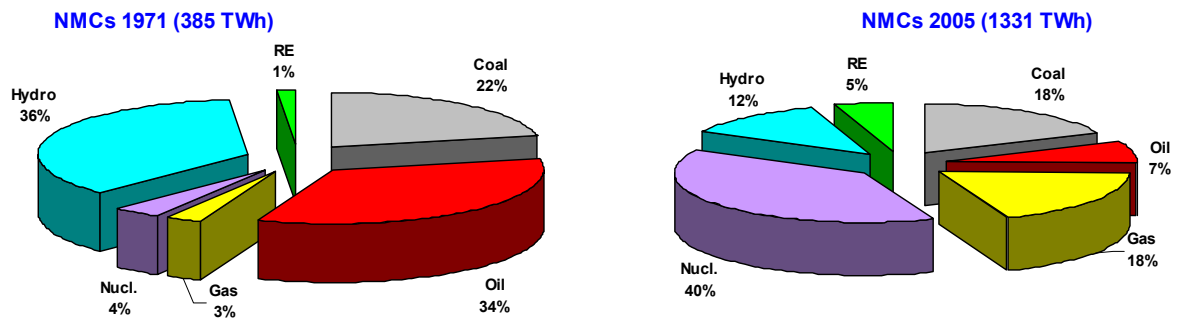
Coal-production has increased from 83 to 241 TWh between 1971 and 2005 (share of 22 and 18 per cent of total power generation, respectively). It is expected to decrease to 200 TWh by 2020 (12 per cent share). This is due to the planned decrease of the coal power generation to the benefit of natural gas mainly in Spain and France.

As far as **hydro**-based power generation is concerned, it has increased from 139 to 164 TWh in the period under consideration, expected to reach about 204 TWh in 2020. Its share in total power generation diminished from 36 to 12 per cent, stabilizing at this level by 2020.

RE-based power generation started with small quantities 5 TWh in 1971 (1 per cent share of the total) and has reached 66 TWh in 2005 (5 per cent share of total power generation) and expected to increase to 149 TWh in 2020 (9 per cent share).

Nuclear-based power generation started in the 1970s with the development of the French nuclear program; the production has increased from 15 to 514 TWh between 1971 and 2005 (share of 4 and 40 per cent of total power generation, respectively). Nuclear power generation is expected to increase to 536 TWh by 2020 (32 per cent share).

Figure 2.7 Share of energy sources in power generation for NMCs



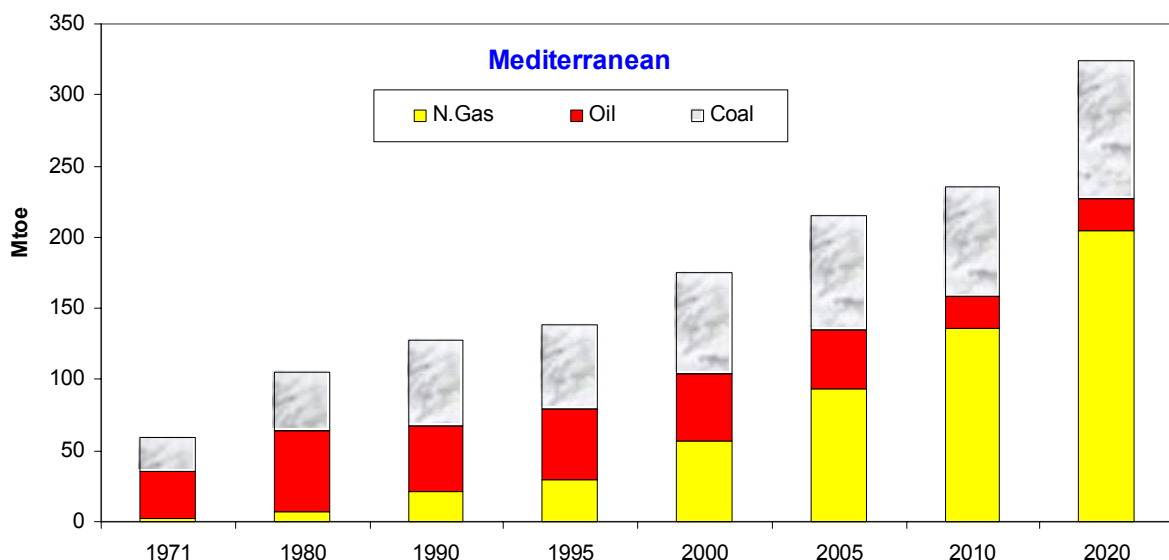
Source: OME

Strong electricity demand is one of the main determinants of the important growth in primary energy consumption in the Mediterranean countries, in particular as far as SEMCs are concerned. Most striking in the electricity trends observed is the spectacular increase in the share of natural gas at the expense of the share of oil.

2.2.3. Fuel inputs in power generation

Fossil fuels for power generation in the Mediterranean has reached 215 Mtoe in 2005 (which represent 23 per cent of the TPES) and are divided up 58 per cent for gas, 37 per cent for coal and 19 per cent for oil. By 2020, the fossil fuels dedicated to power generation are expected to reach 323 Mtoe (about 24 per cent of the TPES), gas, coal and oil representing shares of 63%, 30% and 7 per cent, respectively.

Figure 2.8 Total fossil fuel inputs in power generation



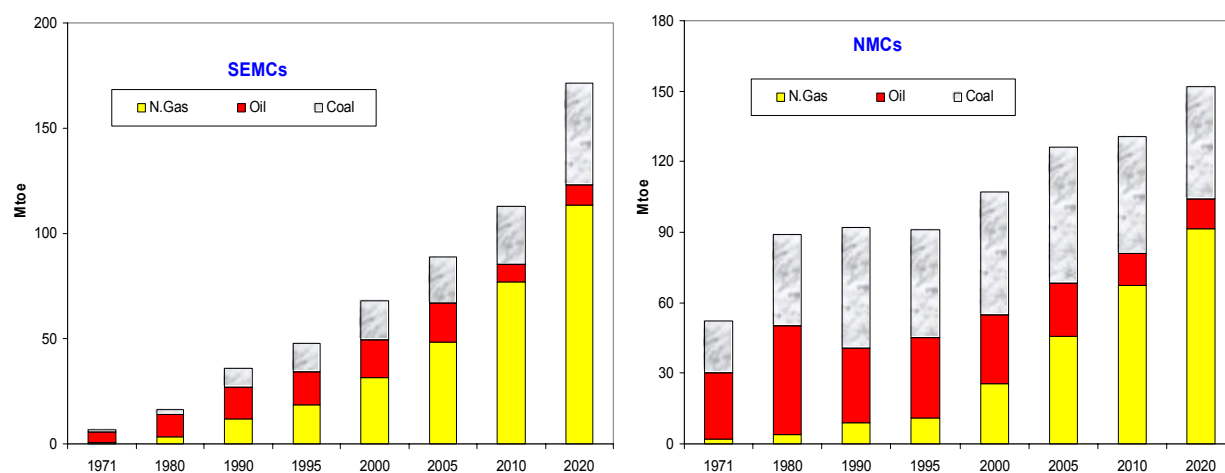
Source: OME

For the SEMCs, fossil fuels for power generation amount to 89 Mtoe in 2005 (which represent 33 per cent of the TPES), gas, coal and oil representing shares of 54, 25 and 21 per cent, respectively. The fossil fuels dedicated to power generation are expected to reach 172 Mtoe

(about 32 per cent of the TPES) of which 66 per cent for gas, 28 and 5 per cent, for coal and oil, respectively.

For the NMCs, fossil fuels for power generation reached 126 Mtoe in 2005 (which represent 19 per cent of the TPES) of which 36 percent for gas, and 46 and 18 per cent for coal and oil, respectively. The fossil fuels dedicated to power generation are expected to reach 152 Mtoe (about 18 per cent of the TPES) of which 60 per cent for gas, 32 for coal and 8 per cent for oil.

Total fossil fuel inputs in power generation for NMCs and SEMCs



Source: OME

Total fossil fuel inputs into power generation are provided in Table 2.3.

Table 2.3 Electricity fossil fuel inputs (in Mtoe)

	2005			2020		
	NMCs	SEMCs	MED	NMCs	SEMCs	MED
Oil	23	19	41	12	9	22
Nat. gas	46	48	94	92	113	205
Coal	58	22	80	48	49	97
Total	126	89	215	152	172	323

Source: OME estimations

In general, it can be concluded that the share of fossil fuels going into power generation should remain relatively stable between 2005 and 2020 for the region as a whole and for the sub-regions. As could be expected from the trends in power generation described in Section 2.2.2 Power production by source, oil going into power generation diminishes while that of natural gas increases.

2.2.4. Electricity efficiency

Fossil fuel efficiency in power generation is provided in Table 2.4 for coal, oil and natural gas. Generally, all three fuel efficiencies have had a tendency to improve in the period under consideration. The most notable improvement is that for natural gas, thanks to the substantial progress in combined cycle generation (50 per cent efficiency against about 25 per cent for a gas turbine).

Table 2.4 Efficiency in fossil fuels for power generation (Mtoe/TWh)

Efficiency in Coal Power Generation

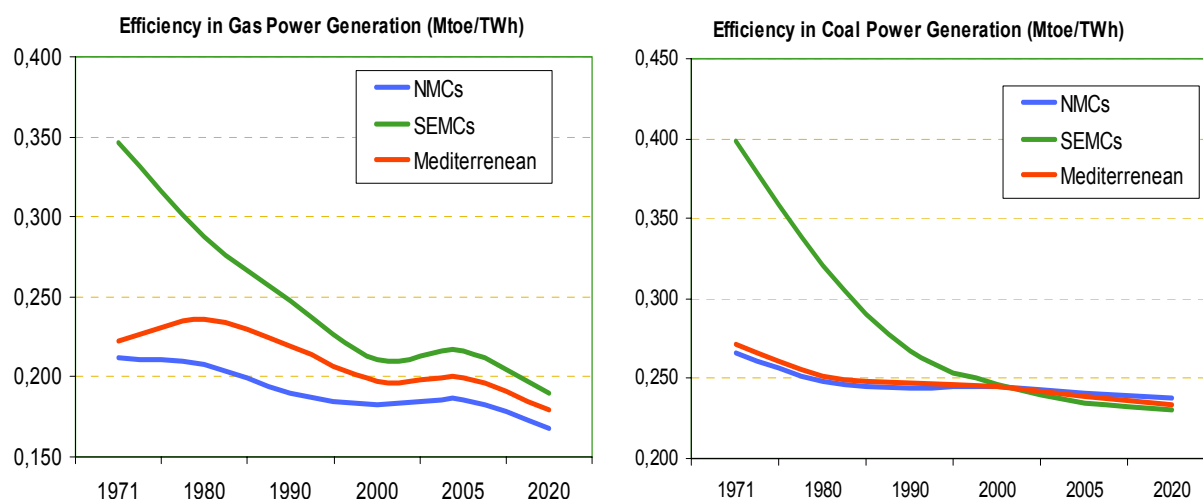
	1971	1980	1990	2000	2005	2020
NMCs	0,267	0,248	0,244	0,245	0,241	0,237
SEMCs	0,399	0,321	0,268	0,246	0,234	0,231
Mediterranean	0,272	0,251	0,247	0,245	0,239	0,234

Efficiency in Oil Power Generation

	1971	1980	1990	2000	2005	2020
NMCs	0,211	0,221	0,238	0,218	0,228	0,225
SEMCs	0,262	0,294	0,264	0,258	0,254	0,207
Mediterranean	0,218	0,232	0,246	0,232	0,239	0,217

Efficiency in Gas Power Generation

	1971	1980	1990	2000	2005	2020
NMCs	0,212	0,207	0,190	0,183	0,185	0,168
SEMCs	0,346	0,288	0,248	0,211	0,216	0,190
Mediterranean	0,223	0,236	0,220	0,197	0,200	0,180



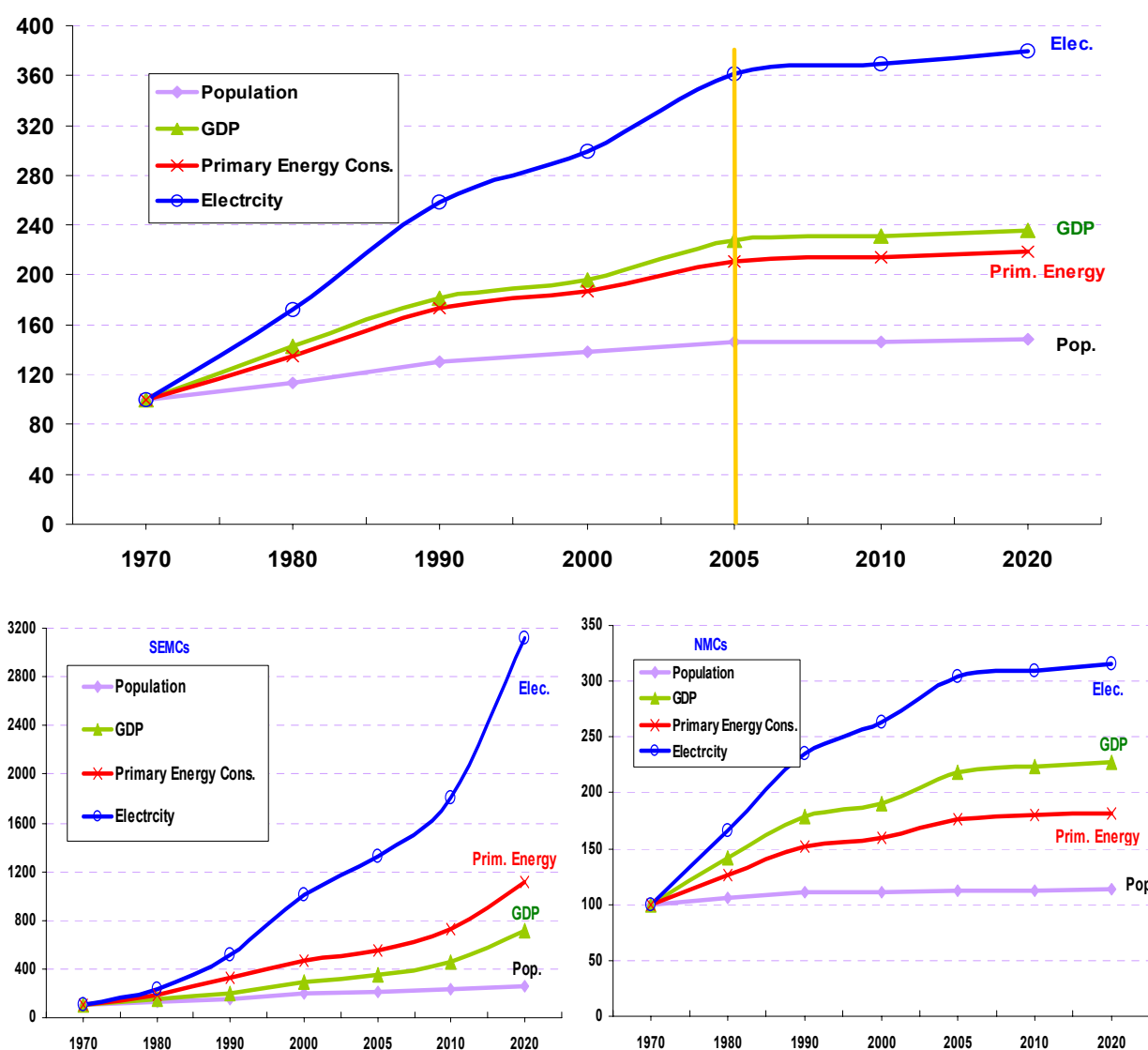
Source: OME

CHAPTER 3 SELECTED PRIORITY INDICATORS IN THE MEDITERRANEAN

3.1. GROWTH IN SELECTED PARAMETERS

Electricity growth (as shown with the indices in Figure 3.1) in the Mediterranean shows that it is much stronger than that of economic, primary energy consumption and population growth rates.

Figure 3.1 Mediterranean: Trends in selected parameters (1970 = index 100)



Source: OME

This is more specifically the case in SEMCs, where both electricity and primary energy consumption grow more rapidly than economic and demographic parameters.

3.2. ENERGY INTENSITY

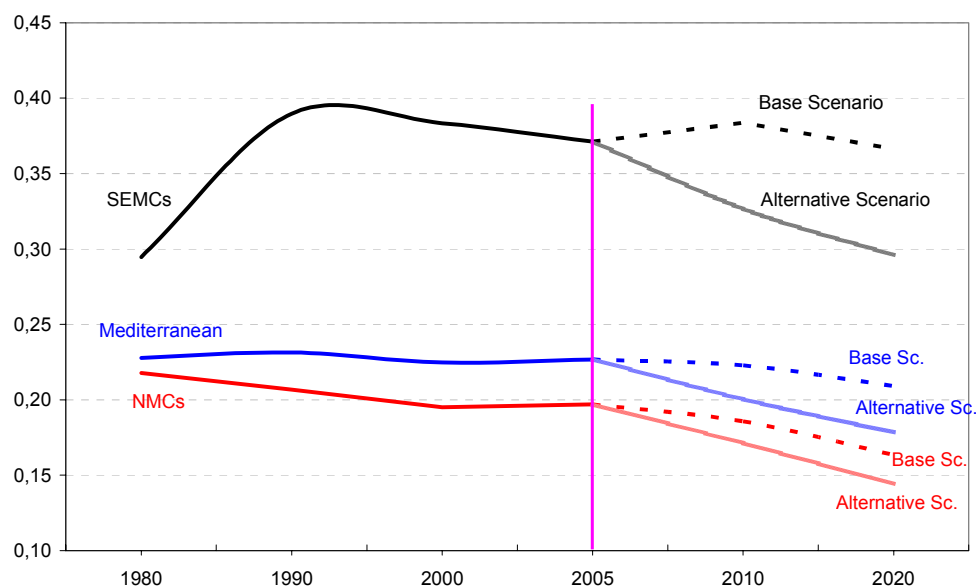
Globally for Mediterranean region, the energy intensity increased in the period 1980 to 2000 (average 0.08 per cent yearly) and has continued to increase in the last period 2000 to 2005 (0.18 per cent). According to the 2020 baseline scenario (business as usual)⁷, a yearly decrease of the energy intensity at an average annual rate of -0.54 per cent in the period 2005 to 2020 is expected.

For the NMCs, the energy intensity decreased in the period between 1980 and 2000 (0.26 per cent yearly) but a small increase was observed in the last period 2000 to 2005 (0.19 per cent). According to the 2020 baseline scenario (business as usual), an average yearly decrease of the energy intensity of -1.24 per cent in the period 2005 to 2020 is expected.

The increase in energy intensity in SEMCs was quite pronounced in the period between 1980 to 2000 (1.4 per cent yearly) but started a slightly falling trend in the last period between 2000 and 2005 (-0.6 per cent). According to the 2020 baseline scenario (business as usual), a yearly decrease of the energy intensity of -0.09 per cent in the period 2005 to 2020 is expected.

In the case of an alternative scenario with more voluntary energy policy, promoting efficient technologies, energy saving and a greater penetration of renewable energies, the energy intensity could decrease for the Mediterranean region as a whole to -1.6 per cent on average per year, i.e., -2.1 and -1.5 per cent for NMCs and SEMCs, respectively.

Figure 3.2 Energy intensity in the Mediterranean region (toe/1000 US\$ GDP 2000)



Source: OME

⁷ based on national forecasts

3.3. ELECTRICITY INTENSITY

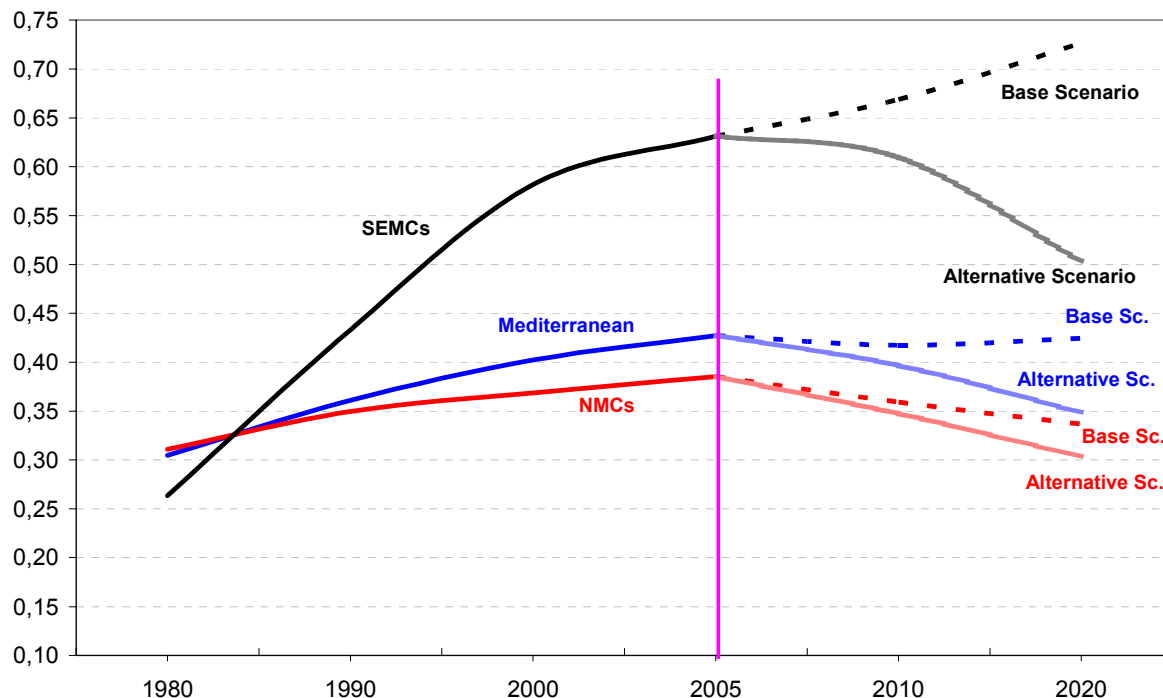
Between 1980 and 2000, electricity intensity increased for the Mediterranean region (0.85 per cent yearly) and this trend continued in the last period 2000 to 2005 (1.23 per cent). According to the 2020 baseline scenario (business as usual)⁸, a small yearly decrease of the energy intensity to -0.05 per cent is expected in the period 2005 to 2020.

For the NMCs, the electricity intensity increased in the period 1980 to 2000 (0.59 per cent yearly) with a continued increase over the last period 2000 to 2005 (0.89 per cent). According to the 2020 baseline scenario (business as usual), a yearly decrease of the electricity intensity to -0.90 per cent is expected in the period 2005 to 2020.

For the SEMCs, the electricity intensity experienced a strong upward trend in the period 1980 to 2000 (2.52 per cent yearly) and a slight slow down in the growth over 2000 to 2005 (1.65 per cent). According to the 2020 baseline scenario (business as usual), electricity intensity is expected to continue increasing – albeit at a lower rate of 0.94 per cent in the period 2005 to 2020.

In the alternative scenario, which implies the promotion of energy efficiency policies and greater penetration of renewable energies, the electricity intensity could decrease for the whole Mediterranean region by an average yearly growth of -1.35 per cent, i.e., -1.58 and -1.50 per cent for NMCs and SEMCs, respectively.

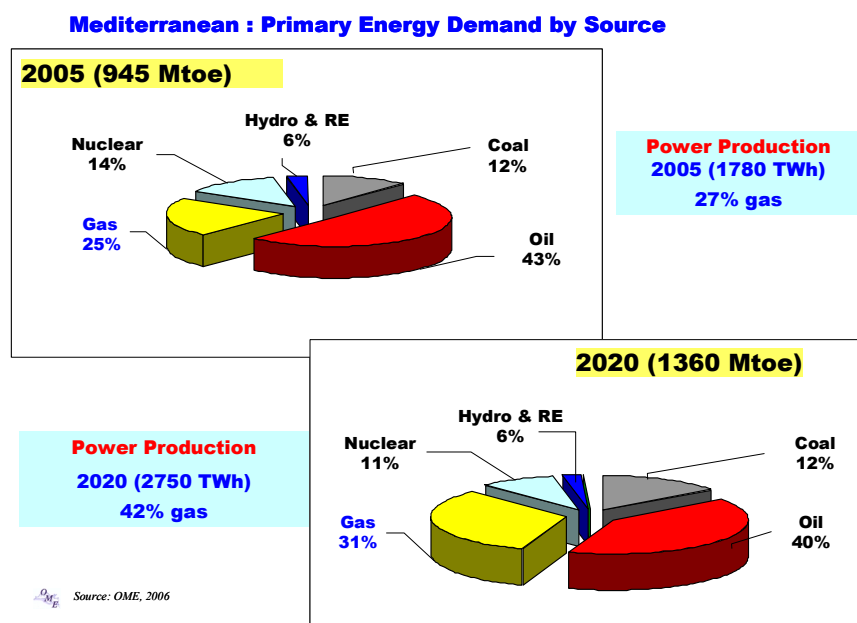
Electricity intensity in the Mediterranean region (kWh/US\$ GDP 2000)



⁸ based on national forecasts

3.4. PENETRATION OF NATURAL GAS

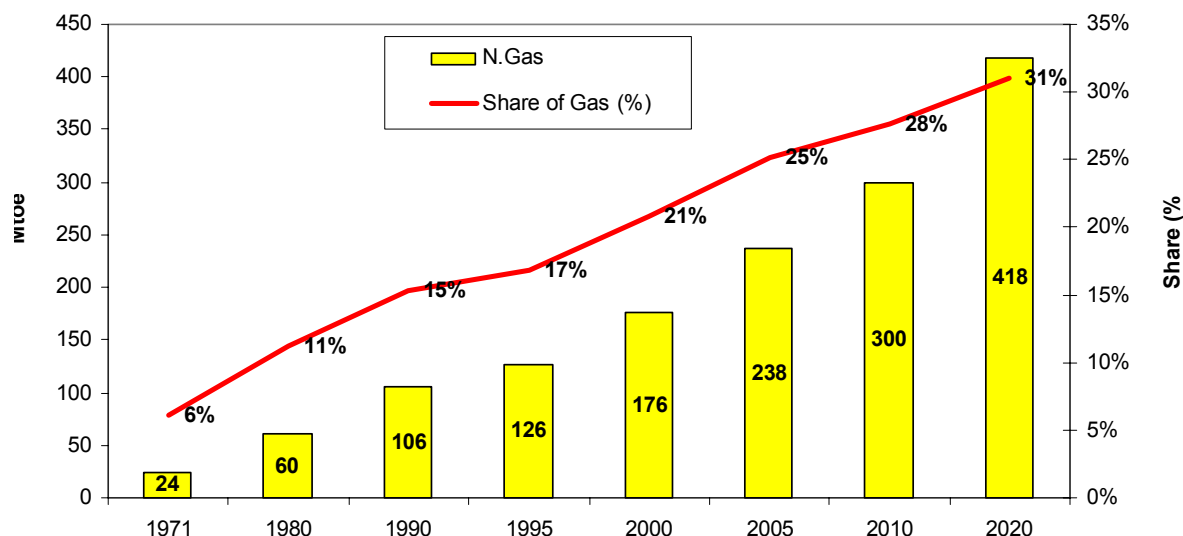
Figure 3.3 Natural gas penetration (share of natural gas in the energy balance)



The share of natural gas in the energy balance of the Mediterranean increased very rapidly from 6 per cent in 1971 to 21 per cent in 2000 before reaching 25 per cent in 2005. As indicated before, in the early 1970s, only five Mediterranean countries used natural gas, whereas currently natural gas has a significant share in the energy balance of almost all Mediterranean countries. It is also expected that all Mediterranean countries will continue to increasingly use natural gas and reach a share of 31 per cent by 2020. (see Figure 3.4)

The main reason for this heavy penetration of natural gas is its use in power generation: 94 Mtoe of gas natural (39 per cent of the total gas consumption) were burnt in gas power plants in 2005. By 2020, about 205 Mtoe (49 per cent of the total gas consumption) is expected to be burnt in gas power plants by 2020.

Figure 3.4 Penetration of natural gas in Mediterranean countries (Mtoe & %)

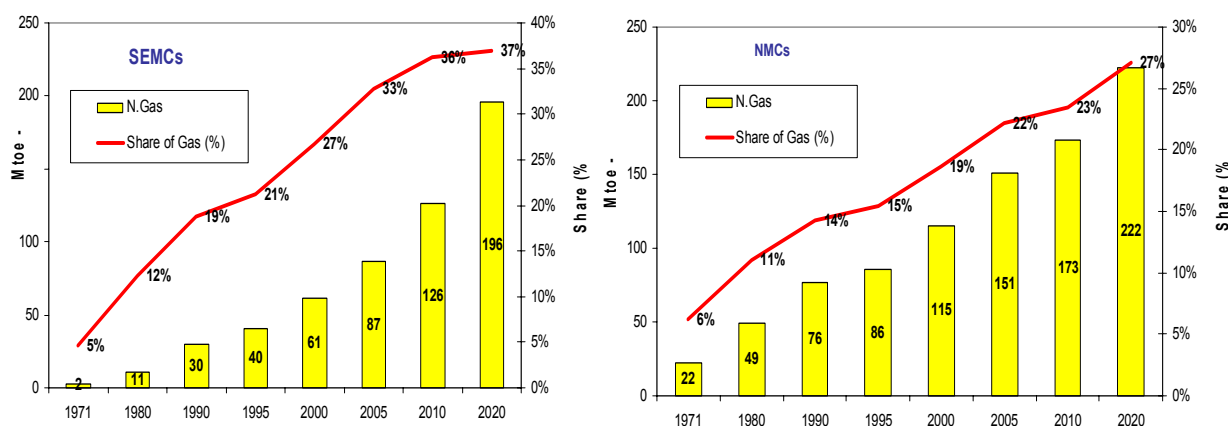


Source: OME.

In the SEMCs, the share of natural gas in the energy balance has increased more rapidly, from 5 per cent in 1971 to 27 per cent in 2000. Currently natural gas has a significant share (33 per cent in 2005) in the energy balance of the SEMCs. The natural gas consumption in the SEMCs is expected to double between 2005 and 2020, and the share of gas will reach 37 per cent by 2020.

In NMCs, the share of natural gas in the energy balance increased from 6 per cent in 1971 to 19 per cent in 2000 and continued its growing trend to reach 22 per cent in 2005. It is expected to account for a share of 27 per cent by 2020. (see Figure 3.5).

Figure 3.5 Penetration of natural gas in SEMCs and NMCs (Mtoe & %)

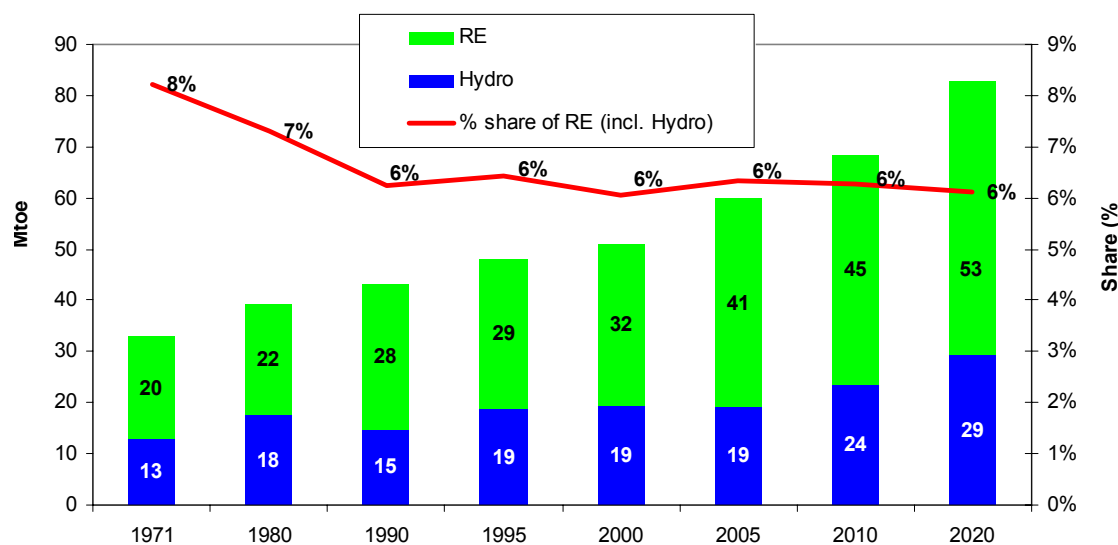


Source: OME

3.5. RENEWABLE SHARE IN THE ENERGY BALANCE

Although the amount of renewable energy (including hydro) in the Mediterranean region increased from 33 Mtoe in 1971 to very 51 Mtoe in 2000 before reaching 60 Mtoe in 2005 (expected to reach 82 Mtoe by 2020), the corresponding share in the total energy balance decreased from 8 per cent to 6 per cent currently and is expected to remain at the same level by 2020 (see Figure 3.6).

Figure 3.6 RE and Hydro sources in the Mediterranean region (Mtoe & %)

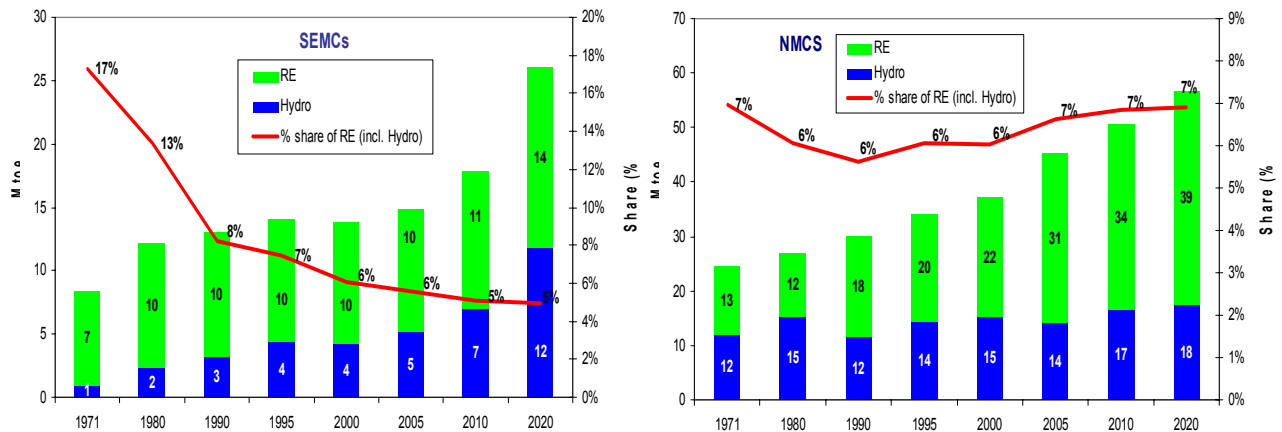


Source: OME

The break-down between the two sub-regions is given in Figure 3.7. In SEMCs, the amount of renewable energy (including hydro) increased from 8 Mtoe in 1971 to 14 Mtoe in 2000 before reaching 18 Mtoe in 2005 (expected to reach 26 Mtoe by 2020). The corresponding share decreased from 17 per cent (when total primary energy consumption was still relatively low, giving mainly to hydro a more important share) to 6 per cent currently and should represent 5 per cent by 2020.

For NMCs, the amount of renewable energy (including hydro) increased from 25 Mtoe in 1971 to 37 Mtoe in 2000 before reaching 45 Mtoe in 2005 (expected to reach 57 Mtoe by 2020). Although the amounts increase, the share stays at the same level of 6 to 7 per cent in the period.

Figure 3.7 RE and Hydro sources in SEMCs and NMCs (Mtoe & %)



Source: OME

The greatest use of RE in Mediterranean is for power generation, in particular in some of the NMCs which have seen their wind park considerably grow over the past few years (for e.g., Spain and Italy). Total RE-power generation in SEMCs shows a slower growth (total capacity of about 400 MW compared to 16500 MW in NMCs). In addition, solar collectors surface amounts⁹ to 7.2 million m².

The trends for 2020 should drive the installed RE capacity up to 60000 MW (48000 and 12000 MW in NMCs and SEMCs, respectively), consisting mainly of wind (80 per cent of the total). (see Table 3.1 and greater detail in the Annex at the end of the report).

⁹ This is an incomplete estimation given difficulties in obtaining the data (see details in the Annexes on a country basis).

Table 3.1 RE installed capacity in 2005 and 2020

2005	Hydro	RE	Total	2020	Hydro	RE	Total
Spain	18399	10378	28777	Spain	19921	22000	41921
France	26100	1500	27600	France	26100	12700	38800
Italy	20830	3998	24828	Italy	21904	11086	32990
Greece	3105	572	3677	Greece	3965	1800	5765
Cyprus		2	2	Cyprus		116	116
Malta				Malta			
Ex-Yug.	8650	0	8650	Ex-Yug.	9600	0	9600
Slovenia	882	30	912	Slovenia	992	30	1022
Croatia	2071	20	2091	Croatia	2100	30	2130
Serbia&M	2731	0	2731	Serbia&M	2800	30	2830
Bosnia-H.	2065		2065	Bosnia-H.	2065	5	2070
Macedonia	503		503	Macedonia	510	1	511
Albania	500		500	Albania	500	1	501
NMCs	77186	16540	93686	NMCs	80857	47799	128656
Turkey	12906	62	12968	Turkey	30795	3086	33881
Israel	3	30	33	Israel	5	300	305
PNA				PNA	0	0	
Syria	1528		1528	Syria	1700	0	1700
Lebanon	276		276	Lebanon	276	0	276
Egypt	2745	184	2929	Egypt	2859	3784	6643
Libya		26	26	Libya		511	511
Tunisia	63	24	87	Tunisia	63	1158	1221
Algeria	275	1	276	Algeria	275	1909	2184
Morocco	1729	54	1783	Morocco	1729	1132	2861
SEMCs	19525	381	19905	SEMCs	37702	11880	49582
TOTAL	96711	16921	113591	TOTAL	118559	59679	178238

Source: Eurelectric, IEA, OME.

3.6. ENERGY DEPENDENCY

The energy dependency is calculated as the ratio of the net fuel imports over the total primary energy consumption. The Mediterranean countries are divided up into importer and exporter countries.

We consider three groups of countries:

- NMCs as a group of importer countries,
- Some net importer countries from SEMCs (Turkey, Israel, Palestine, Lebanon and Morocco) and
- Some exporter countries from SEMCs (Algeria, Libya, Egypt and Syria).

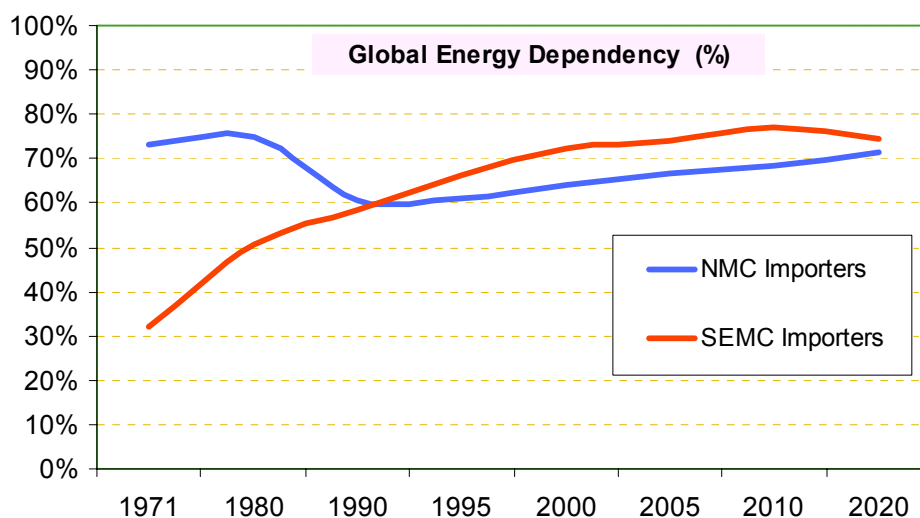
For the first group (NMCs), the global energy dependency increases from 61 per cent in 1990 to 64 per cent in 2000 before reaching 67 per cent in 2005, and will be increase to 72 per cent by 2020.

For the second group of importer SEMCs, one can note that they are more and more dependent on import energy. In fact, their energy dependency increases more quickly than that of NMCs. It goes up from 58 per cent in 1990 to 72 per cent in 2000 before reaching 74 per cent in 2005, and is expected to increase to 74-77 per cent by 2020.

For the third group of exporter from SEMCs, they export about 185% to 200% of their primary energy consumption (it was 189% in 1990, 185% in 2000 and 188% in 2005 and expected to reach 203% by 2020).

Global energy dependency for NMCs and SEMCs groups of importers is illustrated in Figure 3.8 where the they follow similar trends and come close to the same rate of dependency by 2020.

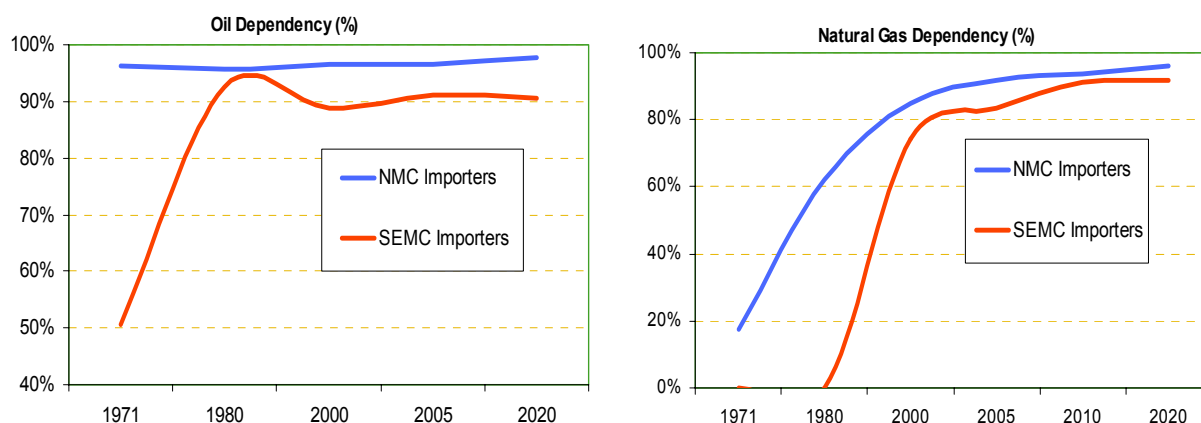
Figure 3.8 Global energy dependency of Mediterranean importers



Source: OME.

Both groups of importers are increasingly concerned with growing natural gas dependency while oil dependency has reached over 90 per cent since the 1980s (see Figure 3.9).

Figure 3.9 Oil and natural gas dependency of Mediterranean importers



Source: OME.

Concerning oil, Mediterranean countries are dependent on 26 export countries. The most important sources are Russia, Saudi Arabia, Libya, Iran, Norway, Algeria, UK and Nigeria. Mediterranean countries import 22% from the Mediterranean region itself (intra-trade Libya/Algeria accounting for 15%), followed by the FSU 20%, the Middle East 15% (Saudi Arabia 9%) and the Caspian 11% (Iran 8%), Europe 12% (5% & UK 4%; Netherlands 1%) and Africa 5% (Nigeria 3%).

Table 3.2 Quantities of Oil imported by Origin in 2004 (Mt)

Importers	Spain	France	Italy	Greece	Malta	Slovenia	Croatia	Serbia	Macedoni	Turkey	Syria	Egypt	Libya	Algeria	Tunisia	Med	Russia	Other CE	M.East	Iran	Africa	Norway	UK	Other Euro	NAmerica	Latin Am	Asia	No specif	Total		
Portugal	875	217	171	10	0	0	0	0	0	0	0	0	1259	1804	0	4336	963	1598	1996	478	2278	594	1236	674	728	1688	0	1011	17580		
Spain	0	830	4540	25	0	0	0	0	0	298	758	244	7744	4191	679	19309	11196	3169	12381	3479	11350	3727	2591	3980	11644	1526	95	25	84472		
France	838	74	2649	41	14	0	0	0	0	141	1255	294	4244	6737	190	16477	18448	9603	17990	6381	6822	16027	11358	10674	1550	1170	748	324	117572		
Italy	212	1446	0	197	425	15	147	29	0	965	2698	2862	25894	6046	405	41441	22379	4977	16321	9583	3583	3347	833	1138	2680	1418	494	0	108194		
Greece	43	179	917	0	0	0	0	0	23	114	27	116	1452	0	0	2871	8614	673	7064	6592	68	0	48	651	241	369	228	0	27419		
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2411	2411	
Malta	0	0	0	0	0	0	0	0	0	0	0	50	240	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	637	927
Slovenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2721	2721
Croatia																0														5648	5648
Serbia																0														3810	3810
Bosnia & H																0														1219	1219
Macedonia																0														1119	1119
Albania																0														1273	1273
Turkey	103	2	758	357								2200	99	4539	1381	43	9482	7169	5377	6937	48	415	63	460					4272	34223	
Israel																0														14872	14872
PNA																0														0	0
Syria																0														1430	1430
Lebanon		379									800					1179														3850	5029
Egypt																0														2818	2818
Libya																0														29	29
Tunisia		150									41		779			970														3278	4248
Algeria		402														402														240	642
Morocco		490														630			4000											3667	8297
Total	2071	4169	3035	630	439	15	147	29	23	1518	7829	3715	46151	20239	1317	97387	68789	20020	65129	33450	24149	24110	16129	17577	16843	6411	1565	54314	445853		
Share by sour	0.5%	0.9%	2.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	1.8%	0.8%	10.4%	4.6%	0.3%	21.8%	15.4%	4.5%	14.6%	7.5%	5.4%	5.4%	3.6%	3.9%	3.8%	1.4%	0.4%	12.2%	100%		

Source: IEA, CPDP, BP & OME

Concerning natural gas, Mediterranean countries are dependent on 19 exporter countries of which the 3 most important sources are Russia, Algeria and Norway. They import 35% from the Mediterranean region itself (intra-trade with Algeria accounting for 29%), followed by Russia 31%, Norway 11%, Netherlands 9%, Nigeria 5%, the Middle East 4% and Iran 2%.

Table 3.3 Quantities of Natural Gas imported by Origin (in bcm)

Importers	Algeria	Egypt	Libya	Italy	Med	Norway	Russia	Nigeria	A-Dhabi	Oman	Qatar	Iran	T & Tob.	Australia	Malaysia	Austria	Belgium	Germany	Netherl.	U.K.	TOTAL	
Spain	14,7	3,5	0,9		19,1	2,1		5,0	0,3	1,7	4,6		0,5	0,1	0,2							33,4
France	7,5	1,1			8,6	14,2	11,5	4,2									1,9	0,1	8,3	0,2		49,0
Italy	27,7		4,5		32,2	6,9	23,3											2,5	8,0	0,5		73,5
Greece	0,5				0,5		2,4															2,9
Cyprus					-																	-
Malta					-																	-
Slovenia	0,4				0,4		0,6									0,1						1,1
Croatia				0,04	0,0		1,1															1,2
Serbia					-		2,2															2,2
Bosnia & H.					-		0,4															0,4
Macedonia					-		0,1															0,1
Albania					-																	-
Turkey	3,9				3,9		17,8	1,0				4,3										27,0
Israel					-																	-
PNA					-																	-
Syria					-																	-
Lebanon					-																	-
Egypt					-																	-
Libya					-																	-
Tunisia	1,3				1,3																	1,3
Algeria					-																	-
Morocco					-																	-
Total	56,0	4,6	5,4	0,0	66	21,1	59,4	10,2	0,3	1,7	4,6	4,3	0,5	0,1	0,2	0,1	1,9	2,6	16	0,7	190	
share by source	29%	2%	3%	0,0%	35%	11%	31%	5%	0,2%	1%	2%	2%	0,3%	0,0%	0,1%	0,1%	1%	1%	9%	0,4%	100%	

Source: CEDIGAZ, BP & OME

Concerning electricity exchanges, the development of interconnections is allowed for a considerable increase in international electricity trade. In 2005, the total volumes between Mediterranean countries and their neighbors reached 214 TWh (106 TWh exported & 108 TWh imported, see detailed physical electricity exchanges given by the table hereafter) including:

- 76 TWh from France (including 15 TWh to Italy and 8 TWh to Spain),
- 10.2 TWh exported by Spain (including 9.5 TWh to Portugal, 0.75 TWh to France and 0.9 TWh to Morocco),
- 9 TWh exported by Slovenia (including 8 TWh to Italy and 1 TWh to Croatia),
- 2.8 TWh exported by Portugal to Spain.

About 32% of this total volume (214 TWh) constitutes the intra Mediterranean trade: The details of the 69 TWh power exchanges between Mediterranean countries are given in the table below, only 5 TWh (7%) of which are exchanged between SEMCs including the exchanges with Europe (Morocco-Spain). This is due to the limited capacity of existing power interconnections in the SEMCs.

The largest share of the 5 TWh exchanged between SEMCs took place mainly between Morocco and Spain, Morocco-Algeria-Tunisia as well as Libya-Egypt-Jordan-Syria-Lebanon, and a part between Balkans and Greece.

Table 3.4 Quantities of Electricity exchanged by interconnection in 2005 (GWh)

Electrical Interconnections	Exports	Imports	Total	Countries	Exports	Imports	Total
Portugal-Spain	2806	9477	12283	Portugal	2806	9477	12283
France-Spain	7284	749	8033	Spain	11124	10201	21325
France-Italy	14493	702	15195	France	66248	7101	73349
Italy-Greece	268	711	979	Italy	1406	48542	49948
Italy-Slovenia	2	7931	7933	Greece	1838	5632	7470
Slovenia-Croatia	1076	7944	9020	Slovenia	9540	9287	18827
Croatia-BiH	1340	2735	4075	Croatia	9286	10700	19986
BiH-Serbia& M.	893	911	1804	Bosnia-H.	3628	2251	5879
Serbia& M.-Macedonia	1990	1	1991	Serbie & M.	3147	8563	11710
Greece-Macedonia	71	796	867	Macedonia	797	2395	3192
Greece-Albania	1056	15	1071	Albania	726	1249	1975
Albania- Serbia&M.	711	193	904	Turkey	1800	600	2400
Spain-Morocco	898	111	1009	Syria	696	2	698
Algeria-Spain			0	Lebanon	0	455	455
Algeria-Morocco	74	47	121	Israel	1665	0	1665
Algeria-Tunisia	58	150	208	PNA	0	1665	1665
Tunisia-Libya		0	0	Jordan	5	982	987
Egypt-Libya	196	105	301	Egypt	937	108	1045
Egypt-Jordan	741	3	744	Libya	105	196	301
Syria-Jordan	241	2	243	Tunisia	150	58	208
Syria-Lebanon	455		455	Algeria	132	197	329
Israel-PNA	1665		1665	Morocco	158	972	1130
TOTAL intra-Mediterranean	36318	32583	68901	TOTAL in Mediterranean	116194	120633	236827

Source: UCTE; Eurelectric; UAPTDE; Comelec; Companies & OME

3.7. CO₂ EMISSIONS FROM ENERGY CONSUMPTION

The CO₂ emissions from energy consumption are estimated from calculations based on energy balances of the Mediterranean countries. The methodology is similar to the sectoral approach used by the International Energy Agency (IEA), using IEA emission factors by energy source.

The mean values of IEA factors used for these calculations are the following:

	Coal	Oil	N. Gas
t CO ₂ by toe	3.80	2.70	2.26

Source: IEA

For the Mediterranean region, the CO₂ emissions from energy consumption increase from 1563 Mt CO₂ in 1990 to 1844 Mt CO₂ in 2000 and continue to increase to 2063 Mt CO₂ in 2005. Emissions are expected to reach 3019 Mt CO₂ by 2020. (see Table 3.5).

For NMCs, the CO₂ emissions from energy consumption increase from 1161 Mt CO₂ in 1990 to 1260 Mt CO₂ in 2000 and continue to increase to 1386 Mt CO₂ in 2005, which is 19% higher than the 1990 level. They are expected to reach 1666 Mt CO₂ by 2020. The growth rate was 1.2 per cent for the period 1990 to 2005 and expected to continue at the same growth by 2020 in the baseline scenario. By 2020, to keep the NMCs CO₂ emission level equivalent to 2005 (1386 Mt CO₂), the quantity will be saved will be 280 Mt CO₂, about the Spanish CO₂ emissions in 2005.

CO₂ emissions from energy consumption in SEMCs have increased from 402 Mt CO₂ in 1990 to 585 Mt CO₂ in 2000 and continue to increase to 677 Mt CO₂ in 2005, which is 68% higher than the 1990 level. It is expected to double in 2020 (1363 Mt CO₂). The growth rate was 3.5 per cent for the period 1990 to 2005 and expected to reach 4.8 per cent by 2020 in the baseline scenario.

Table 3.5 Total CO₂ emissions from energy consumption (in Mt CO₂)

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	117	187	210	240	289	291	306	310	328	337	361	410
France	427	466	371	357	374	386	383	389	393	394	421	459
Italy	295	338	373	398	416	418	419	433	446	445	466	527
Greece	25	44	66	69	80	83	83	85	86	87	110	123
Cyprus	2	3	4	5	6	7	7	7	7	7	8	10
Malta	1	1	2	2	2	2	2	3	3	3	3	4
Ex-Yug.	61	96	129									
<i>Slovenia</i>				13	13	14	15	15	17	14	14	14
<i>Croatia</i>				16	17	18	19	20	20	20	24	32
<i>Serbia & M.</i>				41	39	41	44	48	51	51	51	54
<i>Bosnia-Herz.</i>				3	12	13	12	13	15	15	16	18
<i>Macedonia</i>				9	8	8	8	8	8	8	9	9
Albania	4	7	6	2	3	3	4	4	5	5	5	6
NMCs	932	1141	1161	1154	1260	1284	1300	1334	1378	1386	1487	1666
Turkey	41	69	134	154	200	180	190	205	209	224	326	582
Israel	17	23	34	48	58	61	61	62	62	63	75	89
Palestine								2	2	2	4	5
Syria	7	14	30	37	44	43	45	45	46	47	58	88
Lebanon	5	6	6	12	13	14	14	16	15	15	21	25
Egypt	19	37	79	86	110	113	126	128	139	146	188	268
Libya	4	18	29	41	44	44	45	46	47	47	58	70
Tunisia	4	8	12	14	17	18	18	19	20	20	29	37
Algeria	10	30	59	64	71	71	75	76	77	79	97	147
Morocco	6	11	18	23	28	31	31	31	33	35	46	53
SEMCs	112	216	402	478	585	575	607	629	650	677	901	1363
TOTAL	1044	1357	1563	1632	1844	1859	1907	1964	2028	2063	2388	3029

Source: OME

For the Mediterranean region, per capita CO₂ emissions increased from 3920 kg CO₂ in 1990 to 4130 kg CO₂ in 2000 and continue to increase to 4345 kg CO₂ in 2005. It is expected to reach 5510 kg CO₂ by 2020. (see Table 3.6)

For NMCs, per capita CO₂ emissions from energy consumption increase from 5750 kg CO₂ in 1990 to 6160 kg CO₂ in 2000 and continue to increase to 6600 kg CO₂ in 2005, which is 15 per cent higher than the 1990 level. It is expected to reach 7600 kg CO₂ by 2020.

For SEMCs, the CO₂ emissions from energy consumption increase from 2040 kg CO₂ in 1990 to 2410 kg CO₂ in 2000 and continue to increase to 2560 kg CO₂ in 2005, 25 per cent higher than the 1990 level. It is expected to reach 4125 kg CO₂ by 2020.

Table 3.6 Per capita CO₂ emissions (in kg CO₂/cap)

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	3435	4993	5404	6110	7176	7146	7408	7377	7684	7776	8303	9071
France	8157	8452	6382	6014	6157	6329	6229	6293	6319	6326	6624	6952
Italy	5457	5981	6570	6943	7209	7213	7212	7462	7676	7652	7983	9020
Greece	2744	4467	6343	6473	7360	7558	7546	7700	7734	7892	9798	10736
Cyprus	2801	4145	6163	7255	8528	8601	8602	9283	8483	9180	10019	10989
Malta	2283	2982	6378	5757	5435	5045	5325	7921	7969	7990	7171	8946
Ex-Yug.	2975	4295	5455									
Slovenia				6367	6744	7175	7422	7282	8604	7029	7100	7021
Croatia				3402	3907	4063	4304	4620	4452	4507	5410	6963
Serbia & M.				3883	4785	5104	5468	5813	6340	6354	6032	5940
Bosnia-Herz.				935	3086	3397	3151	3397	3770	3724	3735	4015
Macedonia				4346	3878	3895	3731	3721	3726	3726	4027	4234
Albania	1690	2688	1862	556	940	989	1159	1239	1512	1512	1590	1735
NMCs	5121	5864	5749	5672	6161	6246	6287	6411	6581	6594	6985	7604
Turkey	1123	1551	2392	2495	2958	2630	2732	2906	2917	3072	4153	6628
Israel	5564	5956	7393	8595	9213	9426	9314	9276	9170	9083	10281	10896
Palestine								607	597	681	1004	981
Syria	1118	1544	2370	2498	2656	2503	2561	2483	2492	2487	2715	3443
Lebanon	1955	2340	2164	3698	3827	4095	4000	4442	4123	4067	5478	5858
Egypt	515	837	1415	1407	1634	1647	1807	1792	1911	1972	2314	2844
Libya	1847	5913	6744	8711	8255	8204	8248	8207	8260	8139	8776	8562
Tunisia	721	1235	1433	1511	1760	1826	1808	1904	1990	1974	2698	2951
Algeria	673	1600	2340	2253	2334	2316	2403	2371	2387	2405	2753	3672
Morocco	399	567	762	876	1004	1093	1103	1080	1102	1126	1381	1416
SEMCs	902	1405	2042	2184	2412	2364	2451	2468	2503	2559	3133	4125
TOTAL	3409	3897	3919	3865	4128	4142	4197	4240	4323	4345	4771	5512

Source: OME

3.8. COMPARISON WITH OTHER REGIONS OF SELECTED PARAMETERS

The comparison with other regions of selected parameters is summarized hereafter (as shown with the principal indicators in Table 3.7).

Compared to Industrialized countries (as OECD countries), the Mediterranean per capita energy consumption is about half of their levels (2050 koe/cap against 4-4.7 toe/cap in OECD). The same proportion for per capita electricity consumption is valid (4480 kWh/cap against 8200 kWh/cap). Concerning the CO₂ emissions for primary energy consumption, the Mediterranean emits about the same level of CO₂ by toe (2.18 CO₂/toe against 2.34 CO₂/toe). The level of per capita CO₂ emissions, however, is lower (4.5 t CO₂/cap against 11.1 t CO₂/toe for OECD countries).

Compared to the World indicators, the Mediterranean population represent about 7 per cent of the World population, with a primary energy consumption reaching about 8 per cent of world consumption. Per capita primary energy consumption in the Mediterranean is somewhat higher (+16 per cent, 2050 against 1770 koe/cap) than the World's average, while per capita electricity consumption is 1.5 higher than the World's average (3800 kWh/cap against 2500 kWh/cap). Concerning CO₂ emissions parameters, Mediterranean countries have the same level as the World's average of CO₂ per capita and CO₂ per toe of primary energy

consumption (4.5 t CO₂/cap against 4.2 CO₂/cap in the world; and 2.2 t CO₂/toe against 2.4 CO₂/toe in the world).

Compared to the UE-25, the Mediterranean has currently the same population (about 460 Millions). The Mediterranean primary energy and electricity consumptions represent about half of the EU25 consumptions. Therefore, per capita consumption of primary energy and electricity in the Mediterranean are about half that of that for the EU-25. Even though Mediterranean countries consume only half of the UE25 energy consumption, Mediterranean countries emit the same level of CO₂ by toe (about 2.2 t CO₂/toe).

The energy dependency on imports is much lower for Mediterranean countries (36 per cent) compared to 55 per cent in the UE25; this mainly due to the important energy production coming from the SEMC export countries.

Table 3.7 Current¹⁰ selected energy indicators

		World	OECD	Africa	Asia	China	India	UE-25	UE-15	Med 2004
Population	million	6352	1164	872	2048	1303	1020	458	386	453
GDP	b\$2000	35025	27698	685	1822	1904	581	8781	8424	4078
GDP (ppp)	b\$2000	52289	29493	1997	6777	7219	3115	10961	10074	5991
Ennerg. Prod	Mtoe	11213	3860	1027	1127	1537	467	895	751	596
Net Imports	Mtoe		1742	-435	191	115	106	904	844	334
TPES	Mtoe	11223	5508	586	1290	1626	573	1750	1546	930
Elec Prod	TWh	15985	9548	477	1264	2094	494	2972	2676	1719
CO2 Emissions	Mt of CO2	26653	12911	814	2499	4769	1103	3880	3320	2028
TPES/pop	toe/capita	1,77	4,73	0,67	0,63	1,25	0,56	3,82	4,01	2,05
TPES/GDP	toe/1000\$2000	0,32	0,20	0,86	0,71	0,85	0,99	0,20	0,18	0,23
Elec/pop	kWh/capita	2517	8203	547	617	1607	484	6492	6934	3795
CO2/TPES	t CO2/toe	2,37	2,34	1,39	1,94	2,93	1,93	2,22	2,15	2,18
CO2/pop	t CO2/capita	4,20	11,09	0,93	1,22	3,66	1,08	8,48	8,60	4,48
CO2/GDP	kg CO2/\$2000	0,76	0,47	1,19	1,37	2,50	1,90	0,44	0,39	0,50
% Dependency	Net Import/TPES		32%	-74%	15%	7%	18%	52%	55%	36%

Source : IEA 2006 and OME for Mediterranean

¹⁰ Data are available for 2004 (IEA publication in 2006) so as to be comparable to the figures available 2004 data for the Mediterranean.

CHAPTER 4
ANNEXES FOR MAJOR DATA

MAJOR DATA TABLES

	GDP using Exchange Rates (Billion US\$2000)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	226	330	441	475	581	601	618	636	656	678	786	1046	4.3%	2.9%	2.8%	3.1%	3.0%	2.9%	3.3%	2.9%
France	615	840	1079	1152	1328	1355	1372	1383	1415	1436	1667	2093	3.5%	2.5%	2.1%	1.6%	3.0%	2.3%	2.5%	2.5%
Italy	514	734	918	977	1075	1094	1098	1100	1114	1114	1247	1520	4.0%	2.3%	1.6%	0.7%	2.3%	2.0%	2.3%	2.1%
Greece	54	84	90	96	113	118	123	129	135	140	170	232	5.1%	0.7%	2.3%	4.3%	3.9%	3.2%	2.9%	3.4%
Cyprus	3	3	6	8	9	9	10	10	10	11	13	17	2.7%	6.3%	4.1%	3.3%	3.6%	3.2%	4.2%	3.3%
Malta	1	2	2	3	4	4	4	4	4	4	4	7	11.4%	3.6%	5.3%	-0.3%	3.3%	4.1%	5.5%	3.8%
Ex-Yug.	33	55	51										5.8%	-0.7%						
Slovenia				16	19	20	20	21	22	23	27	34				3.5%	3.5%	2.2%		2.6%
Croatia				16	18	19	20	21	22	23	28	34				4.2%	4.0%	2.0%		2.7%
Serbia & M.				9	9	9	10	10	11	11	14	17				5.6%	4.0%	2.0%		2.7%
Bosnia-Herz.				1	5	5	5	5	6	6	7	9				5.2%	4.0%	2.0%		2.7%
Macdonia				3	4	4	3	4	4	4	5	6				1.3%	3.7%	3.5%		3.6%
Albania	2	3	3	3	4	4	4	4	5	5	6	8	5.7%	1.3%	1.4%	5.8%	3.7%	3.5%	3.1%	3.6%
NMCS	1448	2050	2590	2757	3168	3242	3287	3326	3402	3453	3973	5023	3.9%	2.4%	2.0%	1.7%	2.8%	2.4%	2.6%	2.5%
Turkey	84	140	164	164	199	184	199	211	229	246	321	596	4.5%	5.2%	3.6%	4.3%	5.4%	6.4%	4.4%	6.1%
Israel	30	47	68	93	115	115	114	116	121	126	164	220	5.1%	3.6%	5.5%	1.8%	5.4%	3.0%	4.3%	3.8%
Palestine	0	0	0	0	0	0	0	0	0	0	0	0								
Syria	4	9	11	17	18	19	20	20	21	21	26	38	9.7%	2.2%	4.9%	3.2%	4.1%	4.0%	5.1%	4.0%
Lebanon	13	11	8	15	17	17	18	19	20	21	28	46	-2.0%	-2.3%	7.0%	4.7%	6.0%	5.0%	1.5%	5.3%
Egypt	21	39	66	78	102	103	109	113	117	122	156	209	6.9%	5.5%	4.5%	3.6%	5.0%	3.0%	5.3%	3.7%
Libya	46	58	28	32	34	34	35	39	41	43	50	66	2.7%	-7.0%	2.0%	4.8%	3.0%	2.8%	-0.2%	2.9%
Tunisia	5	9	12	15	19	20	22	23	24	24	33	53	7.0%	3.6%	4.7%	4.7%	6.0%	5.0%	5.0%	5.3%
Algeria	17	34	45	46	54	55	57	61	64	67	90	154	8.1%	2.7%	1.7%	4.7%	6.1%	5.5%	4.1%	5.7%
Morocco	12	18	27	28	33	35	37	39	40	42	52	81	5.2%	3.9%	2.2%	4.6%	4.4%	4.5%	3.8%	4.5%
SEMCS	204	309	405	487	592	583	610	638	676	713	919	1463	4.8%	2.7%	3.9%	3.8%	5.2%	4.8%	3.8%	4.9%
TOTAL	1651	2359	2995	3244	3760	3825	3896	3964	4078	4166	4892	6486	4.0%	2.4%	2.3%	2.1%	3.3%	2.9%	2.8%	3.0%

Source : IEA, World Bank and OME

	Population (Mhab)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	34	38	39	39	40	41	41	42	43	43	43	45	1.0%	0.4%	0.4%	1.5%	0.1%	0.4%	0.7%	0.3%
France	52	55	58	59	61	61	62	62	62	62	63	66	0.6%	0.5%	0.4%	0.5%	0.4%	0.4%	0.5%	0.4%
Italy	54	56	57	57	58	58	58	58	58	58	58	58	0.5%	0.1%	0.2%	0.1%	0.1%	0.0%	0.2%	0.0%
Greece	9	10	10	11	11	11	11	11	11	11	11	11	1.0%	0.5%	0.5%	0.3%	0.2%	0.2%	0.6%	0.2%
Cyprus	1	1	1	1	1	1	1	1	1	1	1	1	-0.1%	1.1%	1.1%	0.6%	1.1%	0.5%	0.7%	0.7%
Malta	0	0	0	0	0	0	0	0	0	0	0	0	1.3%	-0.1%	0.8%	0.8%	0.4%	0.2%	0.7%	0.3%
Ex-Yug.	21	22	24										0.9%	0.6%						
Slovenia				2	2	2	2	2	2	2	2	2				0.1%	-0.1%	-0.1%	-0.1%	
Croatia				5	4	4	4	4	4	4	5	5				0.0%	0.5%	0.2%	0.3%	
Serbia & M.				11	8	8	8	8	8	8	8	9				0.0%	0.8%	0.8%	0.8%	
Bosnia-Herz.				3	4	4	4	4	4	4	4	4				0.9%	1.0%	0.5%	0.7%	
Macedonia				2	2	2	2	2	2	2	2	2				0.1%	0.8%	0.5%	0.6%	
Albania	2	3	3	3	3	3	3	3	3	3	3	4	2.2%	2.1%	-0.5%	-0.1%	1.1%	1.0%	1.0%	1.0%
NMICS	173	185	192	193	194	195	198	199	200	200	202	208	0.7%	0.4%	0.1%	0.6%	0.3%	0.3%	0.4%	0.3%
Turkey	37	44	56	62	67	69	71	72	73	73	78	88	2.2%	2.4%	1.8%	1.6%	1.5%	1.1%	2.0%	1.2%
Israel	3	4	5	6	6	6	7	7	7	7	7	8	2.6%	1.9%	3.0%	1.9%	1.1%	1.1%	2.4%	1.1%
Palestine	1	0	0	0	3	0	3	3	3	3	4	5								
Syria	7	9	13	15	17	17	18	18	19	19	21	26	3.5%	3.6%	2.7%	2.6%	2.2%	1.9%	3.2%	2.0%
Lebanon	3	3	3	3	3	3	4	4	4	4	4	4	0.9%	0.0%	2.3%	1.1%	1.5%	1.0%	1.1%	1.2%
Egypt	36	44	56	61	67	69	71	73	74	74	81	94	2.2%	2.4%	1.9%	1.9%	1.9%	1.5%	2.1%	1.6%
Libya	2	3	4	5	5	5	6	6	6	6	7	8	4.4%	3.5%	2.1%	1.8%	2.7%	2.1%	3.1%	2.3%
Tunisia	5	6	8	9	10	10	10	10	10	10	11	12	2.3%	2.5%	1.6%	0.9%	1.5%	1.5%	1.9%	1.5%
Algeria	14	19	25	28	30	31	32	32	33	33	35	40	3.2%	3.0%	1.9%	1.6%	1.4%	1.3%	2.5%	1.3%
Morocco	15	19	24	26	28	28	29	29	30	31	33	38	2.5%	2.2%	1.5%	2.1%	1.4%	1.3%	2.1%	1.3%
SEMCS	123	151	194	215	237	238	242	250	254	259	281	323	2.4%	2.5%	2.1%	1.8%	1.7%	1.4%	2.2%	1.5%
TOTAL	296	336	386	408	432	434	439	447	453	459	484	531	1.4%	1.4%	1.1%	1.2%	1.1%	0.9%	1.3%	1.0%

Source : IEA and OME

	Primary Energy Consumption (Mtoe)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	43	69	91	103	125	128	132	135	142	144	162	187	5.3%	2.9%	3.2%	3.0%	2.4%	1.4%	3.6%	1.7%
France	162	194	227	241	258	267	266	267	271	272	289	307	2.0%	1.6%	1.3%	1.1%	1.2%	0.6%	1.5%	0.8%
Italy	113	130	145	158	169	170	169	175	185	186	196	225	1.6%	1.1%	1.5%	1.9%	1.1%	1.4%	1.5%	1.3%
Greece	9	16	22	23	28	29	29	30	30	31	40	45	6.2%	3.5%	2.3%	2.2%	5.1%	1.3%	3.7%	2.5%
Cyprus	1	1	2	2	2	2	2	3	2	3	3	4	4.3%	5.0%	4.5%	2.4%	3.3%	1.5%	4.3%	2.1%
Malta	0	0	1	1	1	1	1	1	1	1	1	1	4.4%	6.8%	0.1%	7.4%	-0.3%	2.5%	4.2%	1.5%
Ex-Yug.	22	34	45										4.9%	2.8%						
Slovenia	0	0	0	6	6	7	7	7	8	7	7	7				1.1%	1.2%	0.2%		0.5%
Croatia	0	0	0	7	8	8	8	9	9	9	10	13				2.3%	3.7%	2.6%		2.9%
Serbia & M.	0	0	0	14	13	15	16	16	18	18	18	19				5.5%	0.1%	0.8%		0.6%
Bosnia-Herz.	0	0	0	2	4	4	4	4	5	5	6	6				5.4%	1.3%	1.4%		1.4%
Macedonia	0	0	0	3	3	3	3	3	3	3	3	3				-0.3%	2.5%	1.2%		1.6%
Albania	2	3	3	1	2	2	2	2	2	2	2	3				7.1%	2.0%	1.7%	0.9%	1.8%
NMCS	352	446	536	560	618	634	639	652	676	680	738	821	2.7%	1.8%	1.4%	1.9%	1.6%	1.1%	2.0%	1.3%
Turkey	19	31	53	61	76	70	74	79	81	86	124	217	5.5%	5.3%	3.8%	2.4%	7.7%	5.8%	4.4%	6.4%
Israel	6	9	12	16	19	19	19	20	20	21	26	31	3.4%	3.2%	4.7%	2.3%	4.1%	2.0%	3.6%	2.7%
Palestine	0	0	0	0	0	0	0	1	1	1	2	2								
Syria	3	5	12	14	17	17	18	18	18	19	23	36	7.8%	8.1%	4.1%	1.5%	4.1%	4.6%	5.9%	4.4%
Lebanon	2	3	2	5	5	5	5	6	6	6	8	10	2.7%	-0.9%	8.1%	2.2%	8.2%	1.9%	3.1%	3.9%
Egypt	8	15	32	36	46	47	53	53	58	61	77	113	7.7%	7.6%	3.7%	5.8%	4.9%	3.9%	6.2%	4.2%
Libya	2	7	12	16	17	17	18	18	18	18	24	29	17.7%	4.8%	4.0%	1.7%	4.9%	2.0%	7.3%	2.9%
Tunisia	2	4	6	6	8	8	8	9	9	9	13	16	7.1%	3.9%	3.2%	3.3%	7.1%	2.5%	4.4%	4.0%
Algeria	4	12	24	26	29	29	31	31	32	32	40	62	14.2%	7.0%	2.0%	2.1%	4.3%	1.9%	6.6%	4.4%
Morocco	2	5	7	8	10	11	11	11	11	12	17	20	7.9%	3.5%	4.0%	4.1%	6.5%	4.9%	4.9%	3.4%
SEMCs	48	91	158	188	227	224	237	246	254	265	352	536	7.3%	5.7%	3.7%	3.1%	5.9%	4.3%	5.1%	4.8%
TOTAL	400	538	693	748	845	858	876	897	930	945	1090	1357	3.3%	2.6%	2.0%	2.3%	2.9%	2.2%	2.6%	2.4%

Source : OME

Primary Energy Production in xMtoe

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	10	16	35	32	32	34	32	33	32	30	35	37
France	48	53	112	128	131	133	135	132	133	133	135	136
Italy	18	18	23	27	25	23	24	24	28	28	27	27
Greece	2	4	9	9	10	10	10	10	10	10	11	11
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0	0	0	0	0
Ex-Yug.	14	19	25									
Slovenia				3	3	3	3	3	3	3	3	3
Croatia				4	4	4	4	3	3	3	4	3
Serbia & M.				12	11	11	11	11	12	12	12	12
Bosnia-H.				1	3	3	3	3	3	3	3	3
Macedonia				2	2	2	1	2	2	2	2	2
Albania	2	3	2	1	1	1	1	1	1	1	1	1
NMFCs	95	112	206	218	221	223	225	221	228	225	233	234
Turkey	14	17	25	26	25	23	23	22	23	25	36	62
Israel	6	0	0	0	0	0	0	0	1	2	2	2
Palestine												
Syria	5	10	22	33	34	34	37	34	30	30	27	14
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	16	33	55	60	56	57	61	63	63	72	88	106
Libya	138	97	73	78	75	74	70	78	85	100	120	194
Tunisia	5	7	6	5	5	7	7	7	7	7	5	5
Algeria	42	67	104	112	147	146	151	154	158	174	219	310
Morocco	1	1	1	1	1	1	1	1	1	1	1	1
SEMFs	226	232	287	315	344	341	348	350	368	410	498	695
TOTAL	321	344	493	533	565	564	573	580	596	636	731	929

Annual Growth Rate (%)

	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	4.7%	8.2%	-0.9%	-1.1%	3.3%	0.6%	3.3%	8.9%
France	1.1%	7.8%	1.6%	0.2%	0.3%	0.1%	3.1%	7.2%
Italy	0.2%	2.3%	0.8%	2.3%	-0.3%	-0.2%	1.3%	2.7%
Greece	6.6%	9.5%	0.8%	1.0%	0.8%	0.0%	4.8%	11.6%
Cyprus	-4.4%	0.0%	4.1%	43.0%	1.3%	0.8%	5.4%	13.7%
Malta								
Ex-Yug.	3.0%	3.0%						
Slovenia				2.7%	-0.6%	-0.4%		
Croatia				-0.4%	1.2%	-2.2%		
Serbia & M.				0.2%	0.1%	0.1%		
Bosnia-H.				2.0%	0.0%	-0.1%		
Macedonia				0.0%	0.2%	0.0%		
Albania	4.0%	-3.3%	-10.9%	4.9%	0.5%	0.5%	-2.6%	-5.4%
NMFCs	1.9%	6.3%	0.7%	0.4%	0.7%	0.1%	2.6%	6.2%
Turkey	2.4%	4.0%	-0.2%	0.3%	7.0%	5.8%	1.8%	10.6%
Israel	-33.4%	-7.1%	-2.4%	107.6%	-0.1%	0.4%	-2.8%	-6.1%
Palestine								
Syria	6.7%	8.9%	4.2%	-2.3%	-2.2%	-6.2%	5.2%	6.8%
Lebanon	0.6%	-2.2%	1.4%	6.4%	-1.0%	0.1%	0.8%	1.7%
Egypt	8.3%	5.1%	0.3%	4.9%	4.2%	1.8%	4.4%	13.2%
Libya	-3.9%	-2.7%	0.3%	5.8%	3.8%	4.9%	-0.9%	2.3%
Tunisia	4.0%	-1.3%	0.8%	-0.2%	-6.0%	0.4%	0.3%	0.1%
Algeria	5.4%	4.5%	3.5%	3.5%	4.7%	3.5%	4.3%	14.3%
Morocco	4.0%	-1.2%	-3.0%	1.5%	8.0%	5.1%	0.0%	6.1%
SEMFs	0.3%	2.2%	1.8%	3.6%	3.9%	3.4%	1.8%	7.8%
TOTAL	0.8%	3.7%	1.4%	2.4%	2.8%	2.4%	2.0%	7.3%

Source : OME

	Power Production (in TWh)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	62	109	151	166	222	233	242	258	277	295	322	390	6,6%	3,3%	3,9%	5,8%	1,7%	2,0%	4,7%	1,9%
France	156	257	417	491	536	545	554	562	567	575	593	663	5,7%	5,0%	2,5%	1,4%	0,6%	1,1%	3,9%	0,9%
Italy	124	183	213	237	270	272	278	283	293	302	330	431	4,5%	1,5%	2,4%	2,3%	1,8%	2,7%	2,7%	2,4%
Greece	12	23	35	41	53	53	54	58	59	60	78	89	7,8%	4,4%	4,4%	2,4%	5,4%	1,3%	5,0%	2,6%
Cyprus	1	1	2	2	3	4	4	4	5	5	5	6	5,0%	6,7%	5,5%	7,4%	1,0%	1,9%	6,0%	1,6%
Malta	0	1	1	2	2	2	2	2	2	2	3	4	6,3%	7,6%	5,7%	4,6%	4,4%	3,5%	6,3%	3,8%
Ex-Yug.	30	60	83										8,1%	3,3%						
Slovenia				13	14	14	15	14	14	15	14	16				0,0%	2,3%	0,3%		0,9%
Croatia				9	11	12	12	13	13	13	17	23				4,9%	4,3%	3,1%		3,5%
Serbia & M.				34	34	35	35	35	38	39	38	39				2,5%	-0,4%	0,4%		0,1%
Bosnia-Herz.				4	10	10	11	11	13	13	13	15				3,9%	0,8%	1,0%		0,9%
Macedonia				6	7	6	6	6	7	7	7	8				0,5%	0,9%	1,3%		1,2%
Albania	1	4	3	4	5	4	4	4	4	6	6	7	13,1%	-1,5%	4,0%	3,2%	2,7%	1,6%	4,5%	2,0%
NMCS	385	638	905	1010	1168	1190	1215	1253	1295	1331	1427	1691	5,8%	3,6%	2,6%	2,6%	1,4%	1,7%	3,7%	1,6%
Turkey	10	23	58	86	125	123	129	141	151	162	243	481	10,1%	9,5%	8,1%	5,3%	8,4%	7,1%	8,6%	7,5%
Israel	8	12	21	30	43	44	45	47	48	50	52	68	5,5%	5,4%	7,5%	3,0%	0,8%	2,7%	5,7%	2,1%
Palestine	0	0	0	0	0	0	0	0,15	0,15	0,15	1,45	1,92								
Syria	1	4	12	17	25	27	28	30	32	33	47	60	12,7%	11,4%	8,1%	5,3%	7,6%	2,4%	9,8%	4,1%
Lebanon	1	3	2	5	8	8	10	10	10	10	13	16	8,0%	-5,9%	18,0%	5,6%	4,8%	2,2%	6,1%	3,1%
Egypt	8	19	42	52	78	83	89	95	101	105	133	236	10,1%	8,4%	6,3%	6,2%	4,8%	5,9%	7,9%	5,5%
Libya	1	5	10	11	15	16	18	19	20	23	35	48	28,3%	7,8%	4,3%	7,8%	9,2%	3,3%	11,8%	5,2%
Tunisia	1	3	6	8	11	11	12	12	12	13	17	28	13,6%	7,1%	6,2%	4,3%	4,7%	5,6%	8,1%	5,3%
Algeria	2	7	16	20	25	27	28	29	30	33	46	85	13,8%	8,5%	4,7%	5,4%	6,8%	6,4%	8,3%	6,5%
Morocco	2	5	10	12	14	16	17	18	19	21	27	37	9,6%	6,3%	3,6%	8,5%	5,8%	3,1%	6,7%	4,0%
SEMCS	34	81	176	242	344	354	375	401	425	450	615	1063	10,2%	8,0%	7,0%	5,5%	6,4%	5,6%	7,9%	5,9%
TOTAL	419	719	1081	1252	1512	1545	1591	1654	1719	1780	2042	2754	6,2%	4,2%	3,4%	3,3%	2,8%	3,0%	4,3%	2,9%

Source : OME

	Oil Consumption in Mtoe										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	31	51	46	56	65	67	67	69	71	71	82	90	5.8%	-0.9%	3.4%	1.9%	2.8%	0.9%	2.5%	1.5%
France	103	108	87	85	87	94	91	91	92	90	104	107	0.5%	-2.1%	0.0%	0.7%	2.9%	0.3%	-0.4%	1.1%
Italy	88	90	85	93	88	87	87	87	83	82	82	90	0.2%	-0.5%	0.4%	-1.4%	0.1%	0.9%	-0.2%	0.7%
Greece	7	12	13	14	16	16	17	17	17	18	22	26	6.1%	1.0%	2.0%	2.4%	4.5%	1.7%	2.8%	2.6%
Cyprus	1	1	1	2	2	2	2	3	2	3	3	3	4.4%	4.6%	4.8%	2.1%	0.6%	1.1%	4.2%	0.9%
Malta	0	0	1	1	1	1	1	1	1	1	1	1	4.4%	3.9%	2.9%	3.2%	3.6%	2.4%	3.6%	2.8%
Ex-Yug.	9	16	16										6.4%	0.2%						
Slovenia				2	2	3	2	2	2	2	3	3				0.3%	0.6%	-0.1%		0.1%
Croatia				4	4	4	4	4	4	4	6	7				2.4%	4.7%	2.9%		3.5%
Serbia & M.				2	1	3	3	4	4	4	4	5				23.5%	1.0%	0.1%		0.4%
Bosnia-Herz.				1	1	1	1	1	1	2	2	2				10.1%	1.0%	1.0%		1.0%
Macdonia				1	1	1	1	1	1	1	1	1				-1.7%	0.5%	1.0%		0.8%
Albania	1	2	1	1	1	1	1	1	2	2	2	2	6.6%	-2.4%	-1.3%	9.9%	1.0%	1.0%	2.0%	1.0%
NMCS	240	279	251	260	270	280	279	282	283	280	311	336	1.7%	-1.0%	0.7%	0.7%	2.1%	0.8%	0.5%	1.2%
Turkey	9	16	24	29	31	29	31	30	30	29	41	61	6.2%	4.2%	2.8%	-1.2%	7.1%	4.0%	3.5%	5.0%
Israel	6	8	9	12	12	12	12	12	11	11	12	13	3.4%	1.0%	2.6%	-1.5%	1.8%	0.8%	1.7%	1.1%
Palestine	0	0	0	0	0	0	0	1	1	1	1	1								
Syria	3	5	10	12	12	12	12	12	12	13	16	24	7.3%	7.1%	2.0%	0.3%	4.7%	4.1%	4.6%	4.3%
Lebanon	2	2	2	4	5	5	5	6	5	5	6	7	2.9%	-0.8%	7.9%	2.5%	4.1%	0.2%	3.2%	1.5%
Egypt	6	12	22	22	25	25	26	26	28	30	40	55	6.9%	6.9%	1.0%	3.8%	5.9%	3.2%	4.7%	4.1%
Libya	1	5	7	12	13	13	13	13	13	13	12	13	24.0%	4.8%	5.6%	0.7%	-1.4%	0.8%	9.2%	0.1%
Tunisia	1	3	3	3	4	4	4	4	4	4	7	8	7.7%	2.3%	1.9%	1.4%	10.6%	1.1%	3.4%	4.2%
Algeria	2	6	10	9	10	10	10	11	11	12	13	15	10.3%	5.8%	0.5%	3.1%	2.3%	1.4%	4.9%	1.7%
Morocco	2	4	5	6	7	7	7	7	7	8	9	10	8.9%	2.7%	2.5%	2.8%	4.4%	0.1%	4.3%	1.5%
SEMCs	32	60	93	110	118	116	120	121	124	125	158	205	7.1%	4.5%	2.4%	1.2%	4.7%	2.7%	4.1%	3.3%
TOTAL	272	339	344	370	388	396	398	403	407	405	468	542	2.5%	0.2%	1.2%	0.9%	2.9%	1.5%	1.2%	2.0%

Source : OME

	Natural Gas Consumption in Mtoe										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	0	1	5	8	15	16	19	21	25	29	37	46	16,9%	13,1%	11,8%	13,5%	5,2%	2,3%	13,8%	3,2%
France	10	22	26	30	36	38	37	39	40	42	45	56	9,3%	1,9%	3,2%	3,3%	1,1%	2,4%	4,4%	2,0%
Italy	11	23	39	45	58	58	62	70	72	72	77	100	8,6%	5,5%	4,0%	4,4%	1,5%	2,6%	5,7%	2,2%
Greece	0	0	0	0	2	2	2	2	2	2	6	7			28,6%	6,6%	21,4%	1,3%		7,6%
Cyprus	0	0	0	0	0	0	0	0	0	0	0	1						4,1%		
Malta	0	0	0	0	0	0	0	0	0	0	0	0								
Ex-Yug.	1	3	6																	
Slovenia				1	1	1	1	1	1	1	1	2								
Croatia				2	2	2	2	2	2	2	3	4								
Serbia & M.				1	2	2	2	2	2	2	2	4								
Bosnia-Herz.				0	0	0	0	0	0	0	1	1								
Macdonia				0	0	0	0	0	0	0	0	1								
Albania	0	0	0	0	0	0	0	0	0	0	0	0								
NMCS	22	49	76	86	115	119	121	130	143	151	173	222	9,3%	4,5%	4,2%	5,5%	2,9%	2,5%	5,8%	2,6%
Turkey	0	0	3	6	13	13	15	19	19	23	36	50			16,0%	12,6%	9,6%	3,2%		5,3%
Israel	0	0	0	0	0	0	0	0	1	1	4	8	2,5%	-14,3%	-11,8%		22,7%	6,6%	8,1%	11,7%
Palestine	0	0	0	0	0	0	0	0	0	0	1	1								
Syria	0	0	1	2	5	5	6	6	6	6	7	11		42,4%	13,7%	4,0%	2,3%	5,0%	4,1%	
Lebanon	0	0	0	0	0	0	0	0	0	0	2	3						6,7%		
Egypt	0	2	7	10	18	19	23	25	26	27	33	51	41,4%	15,6%	10,2%	9,1%	3,9%	4,3%		4,2%
Libya	1	2	4	4	4	4	5	4	5	5	11	15	11,9%	5,0%	0,2%	4,3%	16,5%	3,2%	5,2%	7,4%
Tunisia	0	0	1	2	3	3	3	3	4	4	5	7		13,4%	8,3%	5,7%	4,5%	4,5%	4,5%	
Algeria	1	6	14	16	19	19	20	19	19	20	26	45	21,2%	7,6%	3,3%	1,3%	5,5%	5,7%	8,8%	5,7%
Morocco	0	0	0	0	0	0	0	0	0	1	2	5	2,8%	-2,4%	-1,2%	72,0%	32,3%	8,4%	7,9%	15,8%
SEMCs	2	11	30	40	61	63	71	77	80	87	126	196	19,4%	10,4%	7,4%	7,4%	7,8%	4,5%	11,3%	5,6%
TOTAL	24	60	106	126	176	182	192	207	223	238	300	418	10,6%	5,8%	5,2%	6,1%	4,8%	3,4%	6,9%	3,8%

Source : OME

	Coal Consumption in Mtoe										Annual Growth Rate (%)										
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020	
Spain	9	12	19	19	21	19	22	20	21	21	15	17	3.7%	4.5%	0.8%	-0.1%	-6.5%	1.2%	2.5%	-1.4%	
France	34	33	20	16	15	13	14	14	14	14	10	12	-0.2%	-4.8%	-2.9%	-0.8%	-6.5%	1.2%	-2.5%	-1.4%	
Italy	9	12	15	12	13	13	14	15	17	16	18	15	3.5%	2.3%	-1.5%	5.3%	2.1%	-1.9%	1.9%	-0.6%	
Greece	2	3	8	8	9	9	9	9	9	9	10	10	8.1%	9.5%	1.1%	0.1%	1.0%	0.0%	5.2%	0.4%	
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0			-6.1%	2.9%	-4.1%	0.0%	-1.4%	-100.0%	
Malta	0	0	0	0	0	0	0	0	0	0	0	0									
Ex-Yug.	9	12	19											3.2%	4.6%					-100.0%	
Slovenia				1	1	1	2	2	2	1	1	1				0.8%	-2.3%	-3.1%		-2.9%	
Croatia				0	0	0	1	1	1	1	1	1				10.2%	0.0%	0.0%		0.0%	
Serbia & M.				9	8	8	8	9	9	9	9	9				2.5%	-1.2%	0.1%		-0.4%	
Bosnia-Herz.				0	2	3	2	3	3	3	3	3				2.8%	0.0%	0.0%		0.0%	
Macedonia				2	1	1	1	1	1	1	1	1				-0.2%	0.0%	0.0%		0.0%	
Albania	0	1	1	0	0	0	0	0	0	0	0	0								0.0%	
NMCS	62	73	82	68	71	68	72	74	77	76	68	67		1.8%	1.2%	-1.4%	1.4%	-2.4%	0.0%	0.6%	-0.8%
Turkey	4	7	17	17	23	19	20	21	22	25	35	80		5.5%	9.2%	3.1%	1.4%	7.3%	8.7%	5.2%	8.2%
Israel	0	0	2	4	7	7	8	8	8	8	9	9			10.8%	2.8%	2.3%	0.7%		1.3%	
Palestine	0	0	0	0	0	0	0	0	0	0	0	0									
Syria	0	0	0	0	0	0	0	0	0	0	0	0									
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0									
Egypt	0	1	1	1	1	1	1	1	1	1	1	1									
Libya	0	0	0	0	0	0	0	0	0	0	0	0									
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0									
Algeria	0	0	1	1	0	1	1	1	1	1	1	1									
Morocco	0	0	1	2	3	3	3	3	4	3	4	4									
SEMCS	5	8	22	24	34	31	33	34	36	37	50	96		4.5%	10.9%	4.4%	2.2%	5.9%	6.8%	5.9%	6.5%
TOTAL	67	81	104	92	105	100	105	108	112	114	117	163		2.0%	2.5%	0.1%	1.6%	0.6%	3.4%	1.6%	2.5%

Source : OME

	Hydro Consumption in Mtoe												Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020		
Spain	3	3	2	2	3	4	2	4	3	2	3	4	-0,8%	-1,5%	1,5%	-4,1%	10,1%	0,5%	-0,8%	3,6%		
France	4	6	5	6	6	6	5	5	5	5	6	6	4,0%	-2,5%	2,2%	-3,4%	4,1%	0,0%	0,4%	1,4%		
Italy	3	4	3	3	4	4	3	3	3	4	4	5	1,6%	-3,5%	3,4%	-0,8%	2,0%	1,1%	0,2%	1,4%		
Greece	0	0	0	0	0	0	0	0	0	0	0	1	2,8%	-6,4%	7,7%	7,9%	-6,8%	4,7%	2,1%	0,7%		
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0										
Malta	0	0	0	0	0	0	0	0	0	0	0	0										
Ex-Yug.	1	2	2										6,8%	-3,5%								
Slovenia				0	0	0	0	0	0	0	0	0						1,2%		0,1%		
Croatia				0	1	1	0	0	1	1	1	1						0,0%	0,0%	0,0%		
Serbia & M.				1	1	1	1	1	1	1	1	1						0,4%		0,1%		
Bosnia-Herz.				0	0	0	0	0	0	1	1	3						18,1%		11,7%		
Macedonia				0	0	0	0	0	0	0	0	0						0,0%		0,5%		
Albania	0	0	0	0	0	0	0	0	0	0	0	0	17,4%	-0,4%	4,9%	3,5%	1,0%	1,0%	6,2%	1,0%		
NMICS	12	15	12	14	15	17	13	15	15	14	14	20	2,9%	-2,8%	2,7%	-1,6%	3,4%	1,7%	0,5%	2,3%		
Turkey	0	1	2	3	3	2	3	3	4	3	5	9	17,8%	7,4%	2,9%	5,2%	7,5%	6,7%	8,3%	7,0%		
Israel	0	0	0	0	0	0	0	0	0	0	0	0					-100%			-100%		
Palestine	0	0	0	0	0	0	0	0	0	0	0	0										
Syria	0	0	0	0	0	0	0	0	0	0	1	1	56,1%	0,7%	1,7%	5,4%	10,4%	1,9%	14,2%	4,6%		
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0,2%	-5,2%	-1,0%	19,9%	-2,3%	0,0%	0,9%	-0,8%		
Egypt	0	1	1	1	1	1	1	1	1	1	1	1	7,7%	0,1%	3,3%	-1,6%	-0,4%	0,3%	2,7%	0,1%		
Libya	0	0	0	0	0	0	0	0	0	0	0	0										
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	-7,4%	7,2%	4,1%	18,9%	0,0%	0,0%	3,8%	0,0%		
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	-2,6%	-5,9%	-8,4%	38,8%	10,8%	0,2%	-0,2%	3,6%		
Algeria	0	0	0	0	0	0	0	0	0	0	0	0	-0,1%	-2,1%	-5,1%	6,0%	25,8%	4,2%	-1,3%	10,9%		
Morocco	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,3	0,4										
SEMCS	1	2	3	4	4	4	4	4	5	5	7	12	10,8%	3,7%	2,7%	3,8%	6,5%	5,4%	5,2%	5,8%		
TOTAL	13	18	15	19	19	21	18	19	20	19	24	32	3,6%	-1,7%	2,7%	-0,3%	4,3%	2,9%	1,2%	3,4%		

Source : OME

	RE Consumption in Mtoe											Annual Growth Rate (%)										
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020		
Spain	0	0	4	4	4	5	5	6	7	7	9	10	37.9%	30.1%	1.3%	9.3%	4.6%	1.0%			2.2%	
France	9	9	11	12	12	12	12	12	13	13	13	16	-0.9%	2.6%	0.4%	1.6%	0.6%	2.3%	0.9%		1.8%	
Italy	1	1	1	2	2	3	3	3	8	8	8	9	8.0%	-0.2%	7.9%	26.0%	0.6%	1.0%	7.9%		0.9%	
Greece	0	0	1	1	1	1	1	1	1	1	1	1	0.0%	7.1%	1.7%	1.2%	3.0%	0.6%	2.7%		1.4%	
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	-4.4%	0.0%	4.1%	43.0%	1.3%	0.8%			0.9%	
Malta	0	0	0	0	0	0	0	0	0	0	0	0						8.4%			#NOMBRE!	
Ex-Yug.	2	1	1										-9.0%	0.7%								
Slovenia					0	0	0	0	0	0	0	0					1.6%	0.8%	0.3%			0.5%
Croatia					0	0	0	0	0	0	0	0					0.3%	0.3%	0.2%			0.2%
Serbia & M.					1	1	1	1	1	1	1	1					0.8%	0.3%	0.2%			0.2%
Bosnia-Herz.					0	0	0	0	0	0	0	0					0.2%	0.3%	30.6%			19.6%
Macedonia					0	0	0	0	0	0	0	0					-4.3%	0.3%	0.2%			0.2%
Albania	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	-0.3%	-18.5%	2.4%	0.3%	0.2%				-5.6%
NMICS	13	12	18	20	22	22	23	23	25	30	31	34	-0.8%	4.7%	1.8%	7.1%	1.7%	2.1%	2.1%	2.7%		2.0%
Turkey	6	8	7	7	7	6	6	6	6	6	6	7	3.2%	-0.6%	-1.0%	-3.1%	1.9%	1.6%	1.6%	-0.1%		1.7%
Israel	0	0	0	0	0	0	0	0	0	0	1	1	-3.1%	0.0%	2.9%		0.5%	1.3%	16.4%		1.0%	
Palestine	0	0	0	0	0	0	0	0	0	0	0	0										
Syria	0	0	0	0	0	0	0	0	0	0	0	1	22.0%	-6.7%	5.2%	0.0%	34.8%	45.3%	4.8%			4.8%
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	1.0%	-0.5%	2.3%	0.0%	0.3%	0.2%	0.8%			0.2%
Egypt	1	1	1	1	1	1	1	1	1	1	2	2										
Libya	0	0	0	0	0	0	0	0	0	0	0	0	2.2%	2.9%	2.4%	2.3%	2.1%	3.4%	2.5%			2.9%
Tunisia	1	1	1	1	1	1	1	1	1	1	1	1	2.9%	0.0%	1.1%	2.8%	3.1%	3.0%	1.5%			3.1%
Algeria	0	0	0	0	0	0	0	0	0	0	0	0	2.2%	2.4%	-1.0%	3.0%	1.6%	1.5%	1.4%			1.5%
Morocco	0	0	0	0	0	0	0	0	0	0	0	0	2.3%	3.2%	17.6%	0.1%	23.8%	8.8%	6.5%			13.6%
SEMCS	7	10	10	10	10	9	9	9	9	9	10	11	3.1%	0.1%	-0.3%	0.2%	2.3%	2.8%	2.8%	0.8%		2.6%
TOTAL	20	22	28	29	32	32	32	34	39	41	45	56	0.8%	2.8%	1.1%	5.2%	1.8%	2.3%	2.3%	2.1%		2.1%

Source : OME

	Nuclear Consumption in Mtoe										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	1	1	14	14	16	17	16	15	16	14	16	20	8.3%	26.5%	1.4%	-2.4%	2.1%	2.2%	9.5%	2.1%
France	2	16	82	98	108	110	114	110	112	113	115	113	23.2%	17.8%	2.8%	0.9%	0.4%	-0.2%	11.9%	0.0%
Italy	1	1	0	0	0	0	0	0	0	0	0	0	-4.6%	-100.0%						
Greece	0	0	0	0	0	0	0	0	0	0	0	0								
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0								
Malta	0	0	0	0	0	0	0	0	0	0	0	0								
Ex-Yug.	0	0	1																	
Slovenia				1	1	1	1	1	1	1	1	1				0.9%	0.9%	-0.2%		0.2%
Croatia				0	0	0	0	0	0	0	0	0								
Serbia & M.				0	0	0	0	0	0	0	0	0								
Bosnia-Herz.				0	0	0	0	0	0	0	0	0								
Macedonia				0	0	0	0	0	0	0	0	0								
Albania	0	0	0	0	0	0	0	0	0	0	0	0								
NMTCs	4	18	97	114	126	128	132	127	129	129	133	137	18.2%	18.4%	2.6%	0.5%	0.6%	0.3%	10.8%	0.4%
Turkey												8								
Israel												0								
Palestine												0								
Syria												0								
Lebanon												0								
Egypt												3								
Libya												0								
Tunisia												0								
Algeria												0								
Morocco												0								
SEMCS	0	0	0	0	0	0	0	0	0	0	0	11				0.5%	0.6%	1.0%	10.8%	0.9%
TOTAL	4	18	97	114	126	128	132	127	129	129	133	147	18.2%	18.4%	2.6%	0.5%	0.6%	1.0%	10.8%	0.9%

Source : OME

	Coal Power Production (in TWh)										Annual Growth Rate (%)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020		
Spain	13	33	61	67	81	72	82	76	80	80	51	45	10.5%	6.3%	2.9%	-0.3%	-8.4%	-1.4%	5.4%	-3.8%		
France	46	70	35	27	31	23	26	31	29	30	12	19	4.9%	-6.6%	-1.3%	-0.5%	-17.6%	4.9%	-1.2%	-3.2%		
Italy	6	18	36	28	31	37	40	44	51	51	65	62	13.4%	7.0%	-1.6%	10.9%	4.9%	-0.5%	6.6%	1.2%		
Greece	5	10	25	29	34	35	35	35	35	36	34	39	8.2%	9.5%	3.1%	0.7%	-0.8%	1.4%	5.9%	0.6%		
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0										
Malta	0	0	1	0	0	0	0	0	0	0	0	0			-100.0%							
Ex-Yug.	13	26	53										8.0%	7.5%								
Slovenia				4	5	5	5	5	5	4	5	3				-2.7%	4.6%	-4.0%			-1.2%	
Croatia				0	2	2	2	2	2	2	2	2				7.2%	1.0%	0.5%			0.7%	
Serbia & M.				22	21	22	23	25	26	26	21	20				3.8%	-4.0%	-0.5%			-1.7%	
Bosnia-H.				1	5	5	5	6	7	7	7	7				4.4%	0.7%	-0.5%			-0.1%	
Macedonia				5	5	6	5	5	5	6	6	6				1.1%	0.0%	0.5%			0.4%	
Albania	0	0	0	0	0	0	0	0	0	0	0	0										
NMfCs	83	157	210	182	215	206	224	229	240	241	203	202	7.4%	3.0%	0.2%	2.3%	-3.4%	0.0%	3.2%	-1.2%		
Turkey	3	6	20	28	38	38	32	32	34	43	66	160	8.0%	13.0%	6.6%	2.5%	8.9%	9.3%	8.2%	9.2%		
Israel	0	0	10	19	30	33	35	36	37	37	37	37			11.0%	4.3%	0.2%	0.0%			0.1%	
Palestine	0	0	0	0	0	0	0	0	0	0	0	0										
Syria	0	0	0	0	0	0	0	0	0	0	0	0										
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0										
Egypt	0	0	0	0	0	0	0	0	0	0	0	0										
Libya	0	0	0	0	0	0	0	0	0	0	0	0										
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0										
Algeria	0	0	0	0	0	0	0	0	0	0	0	0										
Morocco	0	1	2	6	9	12	12	12	13	13	13	14	14.3%	8.0%	14.8%	8.2%	0.0%	0.7%	11.6%	0.5%		
SEMfCs	3	7	33	53	77	83	79	81	84	93	116	211	8.7%	16.8%	8.8%	3.9%	4.6%	6.2%	10.3%	5.6%		
TOTAL	86	164	243	235	291	289	303	310	324	334	319	413	7.4%	4.0%	1.8%	2.7%	-0.9%	2.6%	4.1%	1.4%		

Source : OME

	Oil Power Production (in TWh)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	71-80	80-90	90-00	00-05	05-10	10-20	71-05	05-20
Spain	14	38	9	15	23	25	29	24	24	25	18	19	12.2%	-13.9%	10.1%	2.2%	-6.5%	0.4%	1.8%	-2.0%
France	44	48	9	8	7	7	7	6	6	8	5	2	1.1%	-15.8%	-1.5%	0.6%	-7.1%	-9.4%	-5.0%	-8.6%
Italy	69	105	103	121	86	75	88	76	47	48	22	12	4.8%	-0.2%	-1.8%	-10.9%	-14.6%	-5.5%	-1.0%	-8.6%
Greece	4	9	8	9	9	8	9	9	8	9	10	11	9.8%	-1.6%	1.4%	1.1%	0.8%	1.2%	2.6%	1.1%
Cyprus	1	1	2	2	3	4	4	4	4	4	0	3	5.0%	6.7%	5.5%	5.0%	-100.0%		5.6%	-3.9%
Malta	0	1	0	2	2	2	2	2	2	2	3	4	6.3%	-0.8%	14.7%	4.6%	4.1%	3.4%	6.3%	3.6%
Ex-Yug.	1	5	3	0	0	0	0	0	0	0	0	0	2.1%	-3.2%						
Slovenia				0	0	0	0	0	0	0	0	0				14.9%	-6.2%	4.1%		0.6%
Croatia				2	2	2	2	2	3	2	2	3				0.7%	7.0%	3.0%		4.3%
Serbia & M.				0	0	0	0	0	0	0	0	0				-1.0%	0.0%	0.0%		0.0%
Bosnia-Herz.				0	0	0	0	0	0	0	0	1				25.6%	0.0%	12.8%		8.4%
Macedonia				0	0	0	0	0	0	0	0	0				-41.3%	0.0%	5.2%		3.5%
Albania	1	1	0	0	0	0	0	0	0	0	0	0	4.3%	-7.5%	-8.5%	-8.4%	1.0%	1.0%	-5.0%	1.0%
NMfCs	132	208	134	159	133	124	141	125	94	100	61	55	5.1%	-4.3%	-0.1%	-5.6%	-9.3%	-1.0%	-0.8%	-3.9%
Turkey	4	6	4	6	9	10	11	9	8	8	7	6	4.2%	-3.8%	9.0%	-3.0%	-2.6%	-1.2%	2.0%	-1.6%
Israel	8	12	10	11	13	11	10	11	7	7	0	0	5.6%	-1.7%	2.4%	-11.0%	-80.5%	0.0%	-0.1%	-42.0%
Palestine	0	0	0	0	0	0	0	0.15	0.15	0.15	0.03	0.03					-30.1%	0.0%		-11.3%
Syria	1	1	6	9	13	12	12	12	15	14	10	11	-0.3%	17.8%	6.9%	1.3%	-5.8%	1.0%	7.1%	-1.4%
Lebanon	1	2	1	5	7	8	9	9	9	9	1	1	15.1%	-6.2%	22.1%	4.4%	-33.4%	0.0%	8.7%	-12.7%
Egypt	3	5	16	12	9	7	7	6	12	13	12	20	6.6%	11.5%	-5.6%	8.1%	-1.8%	5.4%	4.5%	2.9%
Libya	1	5	10	9	12	13	14	15	16	17	1	0	28.3%	7.8%	1.8%	7.0%	-44.3%	-100.0%	10.9%	-100.0%
Tunisia	1	2	2	1	1	1	1	1	1	1	1	5	8.9%	0.9%	-5.1%	-2.6%	-1.5%	17.5%	0.6%	10.8%
Algeria	1	1	1	1	1	1	1	0	1	0	0	0	-1.9%	0.0%	-1.2%	-16.4%	2.1%	2.8%	-3.4%	2.6%
Morocco	0	3	6	6	4	3	4	4	4	4	1	1	21.7%	8.6%	-3.9%	-0.7%	-32.3%	5.8%	6.5%	-8.8%
SEMCs	19	37	57	59	70	65	68	68	73	74	33	45	7.5%	4.4%	2.1%	1.1%	-14.8%	3.2%	4.0%	-3.2%
TOTAL	152	245	191	219	202	189	209	193	167	173	94	100	5.5%	-2.5%	0.6%	-3.1%	-11.5%	0.6%	0.4%	-3.6%

Source : OME

	Natural Gas Power Production (in TWh)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	71-80	80-90	90-00	00-05	05-10	10-20	71-05	05-20
Spain	0	3	2	4	20	23	32	39	55	79	100	147								
France	7	7	3	4	11	14	18	18	18	22	36	75	43.6%	-6.4%	29.6%	31.4%	4.8%	4.0%		4.2%
Italy	3	9	40	47	101	104	99	117	130	133	167	267	-0.6%	-8.0%	14.0%	14.6%	10.0%	7.7%	3.3%	8.5%
Greece	0	0	0	0	6	6	7	8	9	8	27	29	14.4%	15.7%	9.8%	5.6%	4.7%	4.8%	0.6%	4.7%
Cyprus	0	0	0	0	0	0	0	0	0	0	0	3		51.7%		6.7%	26.8%			8.7%
Malta	0	0	0	0	0	0	0	0	0	0	0	0								
Ex-Yug.	0	1	2										20.2%	6.8%						
Slovenia																				
Croatia				1	2	2	3	2	2	3	5	10				9.4%	18.2%	9.8%		12.6%
Serbia & M.				0	0	1	1	1	1	1	5	7				10.6%	14.0%	7.2%		9.4%
Bosnia-H.				0	0	0	0	0	0	0	0	2				8.9%	52.8%	3.4%		17.8%
Macedonia				0	0	0	0	0	0	0	0	1					24.6%	20.9%		
Albania	0	0	0	0	0	0	0	0	0	0	1	1						12.8%		16.6%
NMfCs	11	20	47	56	141	150	160	186	216	246	342	544								
Turkey	0	0	10	17	46	50	52	64	62	71	107	165	7.6%	8.7%	11.7%	11.8%	6.8%	4.8%	9.7%	5.4%
Israel	0	0	0	0	0	0	0	0	4.3	5.6	15	31			16.3%	9.0%	8.5%	4.4%		5.8%
Palestine	0	0	0	0	0	0	0	0.00	0.00	0.00	1.43	1.89					21.2%	7.6%	14.3%	11.9%
Syria	0	0	2	5	9	11	13	14	13	15	30	40		33.4%	14.6%	9.9%	14.9%	2.9%		6.8%
Lebanon	0	0	0	0	0	0	0	0	0	0	11	14						2.6%		
Egypt	0	4	17	28	55	61	69	76	76	79	107	183								
Libya	0	0	0	3	3	4	4	4	4	5	34	47		15.7%	12.7%	7.3%	6.2%	5.6%		5.8%
Tunisia	0	1	4	7	9	10	11	11	11	12	14	20				9.7%	44.2%	3.4%		15.5%
Algeria	1	6	15	19	25	26	27	29	29	32	44	79		13.8%	9.6%	4.9%	4.2%	3.5%		3.7%
Morocco	0	0	0	0	0	0	0	0	0	3	9	15	24.0%	9.7%	5.0%	5.7%	6.0%	6.2%		6.1%
SEMFs	1	11	48	78	148	161	175	197	200	223	371	596								
TOTAL	11	31	95	134	289	312	335	383	416	469	713	1141	31.7%	15.9%	11.9%	8.5%	10.7%	4.9%	4.8%	17.5%
													11.9%	11.7%	11.8%	10.1%	8.7%	4.8%	11.5%	6.1%

Source : OME

	Nuclear Power Production (in TWh)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	71-80	80-90	90-00	00-05	05-10	10-20	71-05	05-20
Spain	3	5	54	55	62	64	63	62	64	58	64	79	8.3%	26.5%	1.4%	-1.6%	2.1%	2.2%	9.6%	2.1%
France	9	61	314	377	415	421	437	441	448	452	461	452	23.2%	17.8%	2.8%	1.7%	0.4%	-0.2%	12.1%	0.0%
Italy	3	2	0	0	0	0	0	0	0	0	0	0	-4.6%	-100%						
Greece	0	0	0	0	0	0	0	0	0	0	0	0								
Cyprus	0	0	0	0	0	0	0	0	0	0	1	0								
Malta	0	0	0	0	0	0	0	0	0	0	0	0								
Ex-Yug.	0	0	5									0			-100%					
Slovenia				5	5	5	6	5	5	5	5	5				1.8%	0.9%	-0.2%		0.2%
Croatia				0	0	0	0	0	0	0	0	0								
Serbia & M.				0	0	0	0	0	0	0	0	0								
Bosnia-H.				0	0	0	0	0	0	0	0	0								
Macedonia				0	0	0	0	0	0	0	0	0								
Albania	0	0	0	0	0	0	0	0	0	0	0	0								
NMCS	15	69	373	437	482	490	505	508	517	514	531	536	18.2%	18.4%	2.6%	1.3%	0.7%	0.1%	10.9%	0.3%
Turkey	0	0	0	0	0	0	0	0	0	0	0	32								
Israel	0	0	0	0	0	0	0	0	0	0	0	0								
Palestine	0	0	0	0	0	0	0	0	0	0	0	0								
Syria	0	0	0	0	0	0	0	0	0	0	0	0								
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0								
Egypt	0	0	0	0	0	0	0	0	0	0	0	11								
Libya	0	0	0	0	0	0	0	0	0	0	0	0								
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0								
Algeria	0	0	0	0	0	0	0	0	0	0	0	0								
Morocco	0	0	0	0	0	0	0	0	0	0	0	0								
SEMCs	0	0	0	0	0	0	0	0	0	0	0	42								
TOTAL	15	69	373	437	482	490	505	508	517	514	531	578	18.2%	18.4%	2.6%	1.3%	0.7%	0.8%	10.9%	0.8%

Source : OME

	Hydro Power Production (in TWh)										Annual Growth Rate (%)										
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	71-80	80-90	90-00	00-05	05-10	10-20	71-05	05-20	
Spain	32	30	25	23	30	41	23	41	32	24	39	41	-0.8%	-1.5%	1.5%	-4.1%	10.1%	0.5%	-0.8%	3.6%	
France	49	70	54	73	67	75	61	59	60	56	69	69	4.0%	-2.5%	2.2%	-3.4%	4.1%	0.0%	0.4%	1.4%	
Italy	39	45	32	38	44	47	40	34	40	43	47	53	1.6%	-3.5%	3.4%	-0.8%	2.0%	1.1%	0.2%	1.4%	
Greece	3	3	2	4	4	2	3	5	5	5	4	6	2.8%	-6.3%	7.6%	7.9%	-6.8%	4.7%	2.1%	0.7%	
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0									
Malta	0	0	0	0	0	0	0	0	0	0	0	0									
Ex-Yug.	16	28	20										6.7%	-3.5%	-100.0%						
Slovenia				3	4	4	3	3	4	4	3	4				-1.3%	-2.0%	1.2%		0.1%	
Croatia				5	6	7	5	5	7	7	7	7				3.6%	0.0%	0.0%		0.0%	
Serbia & M.				12	12	12	12	10	12	12	12	12				-0.2%	-0.7%	0.4%		0.1%	
Bosnia-H.				4	5	5	5	5	6	6	6	6				3.0%	0.0%	-0.7%		-0.5%	
Macedonia				1	1	1	1	1	1	1	1	1				3.2%	1.6%	0.0%		0.5%	
Albania	1	3	3	4	5	4	4	5	5	5	6	6	17.3%	-0.4%	4.9%	3.5%	1.0%	1.0%		6.2%	1.0%
NMfCs	139	179	135	167	177	197	156	169	171	164	193	204	2.9%	-2.8%	2.7%	-1.6%	3.4%	0.6%	0.5%	1.5%	
Turkey	3	11	23	36	31	24	34	35	46	40	57	110	17.7%	7.4%	2.9%	5.2%	7.5%	6.7%		8.3%	7.0%
Israel	0	0	0	0	0	0	0	0	0	0	0	0			26.3%	0.0%	-100%				-100%
Palestine	0	0	0	0	0	0	0	0	0	0	0	0									
Syria	0	3	3	3	3	3	4	3	4	4	7	8	54.5%	0.6%	1.7%	5.4%	10.4%	1.9%	13.9%		4.6%
Lebanon	1	1	1	1	0	0	1	1	1	1	1	1	0.1%	-5.2%	-1.1%	20.1%	-2.3%	0.0%	0.9%		-0.8%
Egypt	5	10	10	11	14	15	13	13	13	13	12	13	7.7%	0.1%	3.3%	-1.6%	-0.4%	0.3%	2.7%		0.1%
Libya	0	0	0	0	0	0	0	0	0	0	0	0									
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	-8.2%	6.7%	3.4%	21.0%	0.0%	0.0%	3.5%		0.0%
Algeria	0	0	0	0	0	0	0	0	0	0	1	1	-2.7%	-6.2%	-8.8%	40.9%	10.8%	0.2%	-0.3%		3.6%
Morocco	2	2	1	1	1	1	1	1	2	1	3	5	0.0%	-2.1%	-5.2%	6.1%	25.8%	4.2%	-1.3%		10.9%
SEMfCs	10	26	38	51	49	44	52	54	66	59	81	137	10.8%	3.6%	2.7%	3.8%	6.5%	5.4%	5.2%	5.8%	
TOTAL	149	205	173	218	226	241	208	223	237	223	274	341	3.6%	-1.7%	2.7%	-0.3%	4.3%	2.2%	1.2%	2.9%	

Source : OME

	Renewable Power Production (in TWh)											Annual Growth Rate (%)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	71-80	80-90	90-00	00-05	05-10	10-20	71-05	05-20			
Spain	0.1	0.4	0.7	1.6	6.8	8.7	12.2	15.6	22.4	29.5	50.0	60.0											
France	0.7	0.7	2.2	2.8	4.4	4.7	5.5	5.9	6.3	7.4	10.1	46.4	24.1%	6.7%	25.8%	33.9%	11.1%	1.8%			4.8%		
Italy	4.2	4.0	3.3	4.2	8.0	9.1	10.4	12.2	25.7	27.1	29.0	37.4	0.0%	11.9%	7.1%	11.0%	6.4%	16.5%	7.1%		13.0%		
Greece	0.0	0.0	0.0	0.1	0.6	0.9	0.9	1.3	1.4	1.6	3.5	4.2	-0.7%	-1.7%	9.1%	27.7%	1.4%	2.6%	5.6%		2.2%		
Cyprus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.6				21.1%	16.9%	1.8%			6.6%		
Malta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1					12.5%	-4.2%			1.1%		
Ex-Yug.	0.0	0.0	0.0															8.4%					
Slovenia				0.00	0.03	0.07	0.10	0.13	0.13	0.21	0.36	0.42							1.6%			4.7%	
Croatia				0.01	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.00											
Serbia & M.				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Bosnia-H.				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Macedonia				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Albania	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											
NMfCs	5.0	5.0	6.2	8.7	19.9	23.6	29.1	35.2	56.3	66.3	94	149		0.1%	2.1%	12.3%	27.3%	7.2%	4.7%	7.9%		5.6%	
Turkey	0.2	0.1	0.1	0.3	0.3	0.4	0.3	0.3	0.3	0.3	5.8	8.6											
Israel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5						14.9%	4.0%	1.8%		25.1%	
Palestine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00						9.6%				11.3%	
Syria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0							17.5%				
Lebanon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											
Egypt	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.5	0.8	2.4	9.7											
Libya	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.1											
Tunisia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.8											
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.1											
Morocco	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	1.8	2.7											
SEMfCs	0.2	0.1	0.1	0.3	0.5	0.6	0.6	0.8	0.8	1.4	1.2	2.9		-1.9%	-5.2%	19.8%	22.9%	53.2%	9.5%	6.5%		22.5%	
TOTAL	5.1	5.2	6.3	9.0	20.3	24.2	29.7	35.9	57.1	67.7	105	178		0.1%	2.0%	12.4%	27.2%	9.3%	5.4%	7.9%		6.7%	

Source : OME

2005 : Installed Capacity in MW

2005c	ST Coal	ST Oil	ST Gas	CC	GT	Diesel	Nucl	Hydro	RE	Total
Spain	12497	8076	7034	10620			7600	18399	10378	74604
France	7200	8500	3400		2500		63200	26100	1500	112400
Italy	8880	16330	4780	27481	5624			20830	3998	87923
Greece	4800	1500		1582	1700			3105	572	13259
Cyprus		930				188			42	1160
Malta		534								534
Slovenia	970	143			84	228	680	882	30	3017
Croatia	965	500	400			15		2071	20	3971
Serbia&M	5549							2731		8355
Bosnia-H.		1937						2065		4022
Macedonia	882							503		1410
Albania								500		525
NMCs	41743	38450	15614	39767	10385	15	71480	77186	16540	311180
Turkey	10063	3347		12614	467			12906	62	39459
Israel	4840	2250		995	1570	526		3	30	10214
PNA										0
Syria		1847	1700		640			1528		7057
Lebanon		1140		940	283			276		2639
Egypt		899	10666	4105	1019			2745	184	19618
Libya		760	987		3352				26	5125
Tunisia		0	1010	835	1145			63	24	3077
Algeria			2740	825	3772	171		275	0,5	7783
Morocco	1785	720		385	734	69		1729	54	5476
SEMCs	16688	10963	17103	21339	13684	766	0	19525	381	100449
TOTAL	58431	49413	32717	61106	24069	781	71480	96711	16921	411629

Source: EURELECTRIC, AUPTEDE, COMELEC & OME

2020 - Installed Capacity in MW

2020	ST Coal	ST Oil	ST Gas	CC	GT	Diesel	Nucl.	Hydro	RE	Total
Spain	8780	7247	8082	27804	1940		9050	19921	22000	104824
France	4400	8700	5400	6800	2180		62560	26100	12700	128840
Italy	10072	6653	7977	41980	10366			21904	11086	109438
Greece	6240	3007		3800	635			3965	1800	19447
Cyprus		750		540	188				116	1594
Malta			625							625
Slovenia	870	123		84	288		680	992	30	3067
Croatia	965	800		2500		15		2100	30	6410
Serbia&M	5700			1700	75			2800	30	10305
Bosnia-H.		1960		400	100			2065	5	4530
Macedonia	900			250	100			510	1	1761
Albania				250	25			500	1	776
NMCs	37927	29265	21459	86108	15897	15	72290	80857	47799	391617
Turkey	26236	3318		27897	587		4500	30795	3086	96419
Israel	6040	2560		5000	2329			5	300	16234
PNA				1000						1000
Syria		1600	2600	2100	1586			1700		9586
Lebanon		1163		1405		166		276		3010
Egypt		666	21266	16605	349		1200	2859	3784	46729
Libya			6150	4155	866				511	11682
Tunisia			2500	1310	3630			63	1158	8666
Algeria			2740	6425	5856	210		275	1909	17415
Morocco	2520	720		940	1500	56		1729	1132	8597
SEMCs	34796	10027	35256	66837	16703	437	5700	37702	11880	219338
TOTAL	72723	39292	56715	152945	32600	452	77990	118559	59679	610955

Source: EURELECTRIC, AUPTEDE, COMELEC & OME

TOTAL Input Fuels in Power Plants (Input PP) in x1000 toe												
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	6423	17213	16669	19877	25797	24449	29477	28281	31142	36363	30000	35700
France	22034	28616	10570	8610	11147	9107	10603	11740	14120	14120	10895	19434
Italy	17158	28863	37595	40631	44722	42666	45301	47530	47000	47604	49978	62342
Greece	2126	4779	8749	9137	11513	11686	11695	11890	12310	12458	16163	16167
Cyprus	199	298	518	644	889	861	895	896	1004	1075	1025	1225
Malta	108	199	508	483	522	491	526	765	786	843	659	923
ex-Yug	3998	8889	17295	0	0	0	0	0	0	0	0	0
Slovenia				1199	1289	1406	1527	1485	1455	1550	1560	1600
Croatia				1058	1276	1491	1721	1864	1545	1603	2282	3635
Serbia &M.				7759	6812	6682	7010	7340	7505	7434	6450	6650
Bosnia-H				169	1913	1962	1767	1922	1993	1993	2009	2200
Macedoina				1396	1350	1435	1277	1249	1249	1249	1450	1688
Albania	209	231	162	53	62	59	56	35	42	42	159	284
NMCS	52255	89088	92066	91016	107292	102295	111855	114997	120151	126334	122629	151847
Turkey	2379	3355	9017	12563	21154	21968	20736	21561	21921	24985	35600	65800
Israel	1796	2857	4903	6928	8863	9043	10037	10106	10676	10905	11079	13871
PNA	0	0	0	0	0	0	0	9	9	290	380	1440
Syria	303	518	2167	3382	5198	5496	5782	6294	6554	6690	8300	10530
Lebanon	161	900	868	1117	1817	1941	2211	2386	2052	1370	2088	2832
Egypt	759	2672	7951	8932	13046	13033	16027	17105	19541	19991	28600	41040
Libya	169	1738	2501	4249	5269	5430	5652	6193	6077	7320	8117	10618
Tunisia	264	874	1420	1809	2474	2727	2730	2932	2983	3078	3078	3825
Algeria	621	2292	4697	5818	7389	7764	8214	8490	9034	9452	10640	15203
Morocco	235	1064	2207	3044	2894	3203	3444	3922	4255	4487	5129	6460
SEMCs	6687	16270	35721	47842	68104	70605	74833	78997	83102	88568	113011	171619
MED	58942	105358	127787	138858	175396	172900	186688	193995	203253	214902	235640	323466

Source: OME

	Gas Inputs in Power Plants (Input PP) in x1000 toe											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	30	587	273	752	2684	2809	4500	5391	8200	13430	14200	21000
France	1470	1319	437	551	2466	2484	3481	3670	5460	5460	6760	14252
Italy	659	1982	8073	9373	18683	17906	18486	21080	23620	24224	30078	45354
Greece	0	0	18	14	1279	1264	1348	1480	1600	1558	5111	4862
Cyprus	0	0	0	0	0	0	0	0	0	0	400	600
Malta	0	0	0	0	0	0	0	0	0	0	0	0
ex-Yug	66	339	83									
Slovenia				90	62	64	59	102	62	120	280	730
Croatia				248	496	556	700	575	650	676	1125	2250
Serbia &M.				88	97	124	125	130	141	135	1125	1575
Bosnia-H				0	0	0	0	0	0	0	68	450
Macedoina				0	8	4	4	3	2	2	68	225
Albania	0	0	0	0	0	0	0	0	0	0	125	246
NMGs	2225	4227	8884	11116	25775	25211	28703	32431	39735	45605	59339	91544
Turkey	0	0	2127	2963	7822	8833	9419	11261	11261	12070	17300	26500
Israel	14	0	0	3	3	3	6	7	1080	1476	3308	6100
PNA	0	0	0	0	0	0	0	0	0	290	380	1440
Syria	0	40	554	1225	2174	2667	2961	3355	3069	3450	6000	8000
Lebanon	0	0	0	0	0	0	0	0	0	0	1728	2520
Egypt	0	837	3971	6430	11099	11566	14284	15712	15550	16000	25500	36640
Libya	0	0	0	658	860	898	838	1042	1160	2198	7587	10618
Tunisia	0	275	885	1484	2127	2399	2387	2597	2662	2754	2754	3585
Algeria	306	2022	4398	5566	7172	7551	8026	8400	8839	9364	10545	15087
Morocco	0	0	0	0	0	0	0	0	0	525	1710	3000
SEMGs	320	3174	11935	18329	31257	33817	37921	42374	43621	48127	76812	113490
MED	2545	7401	20819	29445	57032	59028	66624	74805	83356	93732	136151	205034

Source: OME

Oil Inputs in Power Plants (Input PP) in x1000 toe

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	3610	8795	2184	3673	4478	5121	5901	5400	4870	5000	3200	4000
France	8025	10205	1633	1231	1229	988	848	1210	1480	1480	1201	448
Italy	14632	22692	21625	25112	19015	16580	17587	16430	11650	11650	4950	2812
Greece	945	2152	1839	2072	2065	1970	2047	1970	2010	2200	2254	2530
Cyprus	199	298	518	644	889	861	895	896	1004	1075	625	625
Malta	108	199	323	451	522	491	526	570	591	648	659	923
ex-Yug	245	1344	3653									
Slovenia				120	13	33	14	11	9	30	20	30
Croatia				745	423	539	529	760	392	413	579	778
Serbia & M.				71	90	92	71	77	62	75	75	75
Bosnia-H				12	17	26	40	41	43	43	38	125
Macedonia				15	117	55	61	18	18	18	8	13
Albania	186	155	162	53	62	59	56	35	42	42	34	38
NMGs	27950	45840	31937	34199	28920	26815	28575	27418	22171	22674	13642	12395
Turkey	1160	1482	1192	1802	2803	2556	2345	2200	1890	1968	1600	1500
Israel	1782	2857	2518	2766	2416	1768	2345	2353	1755	1776	1	1
PNA	0	0	0	0	0	0	0	9	9	0	0	0
Syria	303	478	1613	2157	3024	2929	2821	2939	3485	3240	2300	2530
Lebanon	161	900	858	1117	1817	1941	2211	2386	2052	1370	360	312
Egypt	759	1835	3979	2502	1947	1467	1743	1393	3991	3991	3100	4400
Libya	169	1738	2501	3591	4409	4532	4814	5151	4917	5122	530	0
Tunisia	264	599	535	325	347	328	343	335	321	324	324	240
Algeria	315	270	299	252	217	213	188	90	195	88	95	116
Morocco	142	698	1499	1642	996	742	896	1037	1113	820	84	240
SEMGs	5055	10857	14994	16154	17976	16476	17706	17893	19728	18699	8394	9339
MED	33005	56697	46931	50353	46896	43291	46281	45311	41899	41373	22036	21734

Source: OME

		Coal Inputs in Power Plants (Input PP) in x1000 toe											
		1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain		2783	7831	14212	15452	18635	16519	19076	17490	18072	17933	12600	10700
France		12539	17092	8500	6828	7452	5635	6274	6860	7180	7180	2934	4735
Italy		1867	4189	7897	6146	7024	8180	9228	10020	11730	11730	14950	14176
Greece		1181	2627	6892	7051	8169	8452	8300	8440	8700	8700	8798	8775
Cyprus		0	0	0	0	0	0	0	0	0	0	0	0
Malta		0	0	185	32	0	0	0	195	195	195	0	0
ex-Yug		3687	7206	13559									
Slovenia					989	1214	1309	1454	1372	1384	1400	1260	840
Croatia					65	357	396	492	529	503	515	578	608
Serbia &M.					7600	6625	6466	6814	7133	7302	7224	5250	5000
Bosnia-H					157	1896	1936	1727	1881	1950	1950	1904	1625
Macedoina					1381	1225	1376	1212	1228	1229	1229	1375	1450
Albania		23	76	0	0	0	0	0	0	0	0	0	0
NMCS		22080	39021	51245	45701	52597	50269	54577	55148	58245	58055	49648	47908
Turkey		1219	1873	5698	7798	10529	10579	8972	8100	8770	10947	16700	37800
Israel		0	0	2385	4159	6444	7272	7686	7746	7841	7653	7770	7770
PNA		0	0	0	0	0	0	0	0	0	0	0	0
Syria		0	0	0	0	0	0	0	0	0	0	0	0
Lebanon		0	0	0	0	0	0	0	0	0	0	0	0
Egypt		0	0	1	0	0	0	0	0	0	0	0	0
Libya		0	0	0	0	0	0	0	0	0	0	0	0
Tunisia		0	0	0	0	0	0	0	0	0	0	0	0
Algeria		0	0	0	0	0	0	0	0	0	0	0	0
Morocco		93	366	708	1402	1898	2461	2548	2885	3142	3142	3335	3220
SEMCS		1312	2239	8792	13359	18871	20312	19206	18731	19753	21742	27805	48790
MED		23392	41260	60037	59060	71468	70581	73783	73879	77998	79798	77453	96698

Source: OME

Total Net Imports/Exports (in x1000 toe)												
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	32655	52803	54714	71306	93023	94367	99793	102578	109762	114430	127014	149017
France	114579	140968	113561	112841	126274	133436	131464	134690	138539	139156	154038	170935
Italy	94834	112156	121931	131075	144042	146178	145448	151573	156833	158066	169131	198496
Greece	7063	12000	12871	14187	17835	18739	18801	19971	19889	20597	28921	34218
Cyprus	637	938	1478	1962	2378	2410	2423	2633	2420	2637	3110	3610
Malta	274	402	775	793	785	738	783	1092	1108	1120	1100	1400
ex-Yug	7806	15290	18990									
Slovenia				3177	3391	3643	3605	3734	4714	3310	3831	4081
Croatia				2934	4194	4182	4518	5493	5144	5185	6674	10452
Serbia &M.				1435	1979	3593	4286	4889	6094	5962	5928	7278
Bosnia-H				725	1082	1549	998	1334	1752	1967	2312	3188
Macedoina				961	1172	1033	1081	1104	1152	1135	1466	1845
Albania	-717	-378	49	90	835	959	1086	1495	1288	1288	1500	1918
NMCs	257131	334179	324369	341426	396990	410827	414286	430585	448695	454853	505025	586436
Turkey	5694	14375	23492	35376	51092	46597	51087	57016	58168	60164	88199	154670
Israel	402	8411	11394	15787	18567	19359	19276	19657	18818	18661	23607	29017
PNA	3	14	39	79	125	120	119	845	844	976	1610	2027
Syria	-2605	-4152	-8546	-18861	-16146	-17047	-18654	-16134	-11123	-11047	-3772	21903
Lebanon	1809	2344	2164	4359	4886	5272	5178	5725	5413	5413	8150	9833
Egypt	-8522	-18198	-22827	-24303	-10579	-9739	-8246	-9809	-5665	-11064	-10913	7404
Libya	-135854	-89357	-50282	-61722	-58061	-56402	-51846	-60101	-66964	-81258	-96849	-165016
Tunisia	-2869	-3216	-1551	724	956	1351	1336	1972	2076	2369	7808	11121
Algeria	-38070	-54854	-76601	-85923	-117774	-116278	-119643	-123272	-126595	-141742	-179265	-248646
Morocco	1804	3901	5809	7486	9402	10112	10308	10276	10779	11576	15793	18712
SEMCs	-178208	-140732	-116909	-126998	-120612	-115071	-111085	-113824	-114248	-145952	-145633	-158976
MED	78923	193447	207460	214428	276378	295756	303201	316547	334205	308655	359157	427210
NMCs Imp	257131	334179	324369	341426	396990	410827	414286	430585	448695	454853	505025	586436
SEMCs Imp	9712	25829	42898	63811	85028	82811	87304	95492	96098	99158	145167	247282
SEMCs Exp	-187920	-166561	-159807	-190809	-202560	-199466	-198389	-209316	-210346	-245111	-290800	-413662

Source: OME

Gas Net Imports/Exports (Net Imp) in x1000 toe

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	356	1453	3040	7341	15067	15924	18279	20635	24940	28560	36675	46218
France	3685	15313	21733	26776	34252	36028	36025	37920	39340	41271	44538	56303
Italy	-172	12460	23078	28298	44305	45603	45717	50777	58522	61955	69131	92696
Greece	0	0	0	0	1662	1643	1759	2000	2209	2330	6160	7033
Cyprus	0	0	0	0	0	0	0	0	0	0	400	600
Malta	0	0	0	0	0	0	0	0	0	0	0	0
ex-Yug	0	1225	3395									
Slovenia				730	819	845	815	902	902	960	1160	1620
Croatia				328	855	672	639	1022	908	975	1433	3408
Serbia &M.				671	910	1275	1376	1525	1707	1792	2100	3383
Bosnia-H				123	232	243	252	253	297	333	600	1308
Macedoina				0	54	72	74	66	58	58	450	733
Albania	0	0	0	0	0	0	0	12	0	0	125	371
NMCs	3869	30451	51246	64267	98156	102305	104936	115111	128883	138234	162772	213674
Turkey	0	0	2507	5635	12108	13111	14420	18947	18500	22117	35894	49350
Israel	0	0	0	0	0	0	0	0	0	0	2667	6417
PNA	0	0	0	0	0	0	0	0	0	0	500	917
Syria	0	0	0	0	0	0	0	0	0	0	-924	8403
Lebanon	0	0	0	0	0	0	0	0	0	0	1750	3333
Egypt	0	0	0	0	0	0	0	-350	-917	-6692	-21667	-25833
Libya	-404	-1743	-1168	-1216	-654	-645	-514	-682	-682	-4467	-9167	-18333
Tunisia	0	0	645	1791	847	889	926	1181	1242	1125	1864	4364
Algeria	-1257	-6278	-28247	-35801	-55818	-55636	-55313	-55818	-55182	-59091	-77636	-109091
Morocco	0	0	-1	0	0	0	0	0	0	531	2300	5150
SEMCs	-1661	-8021	-26264	-29591	-46597	-40697	-40481	-36722	-37038	-46476	-64419	-75324
MED	2208	22430	24982	34676	51559	61608	64455	78177	91604	91511	98118	138100
NMCs Imp	3869	30451	51246	64267	98156	102305	104936	115111	128883	138234	162772	213674
SEMCs Imp	0	0	3151	7426	9875	15584	15346	20128	19742	23773	44975	77933
SEMCs Exp	-1661	-8021	-29415	-37017	-56472	-56281	-55827	-56850	-56780	-70249	-109394	-153258

Source: OME

Oil Net Imports/Exports (Net Imp) in x1000 toe

	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	30486	48866	43885	54700	64618	66760	66949	68710	70510	71110	81000	88900
France	100436	105860	83758	82015	85436	92224	89749	89520	90870	89040	104000	106700
Italy	86823	87813	82415	87321	83367	83143	81755	81690	77850	75710	76600	85500
Greece	6848	11636	11948	13239	15358	15966	16395	17060	16880	17520	21640	26000
Cyprus	637	938	1415	1950	2346	2375	2388	2598	2383	2600	2680	2980
Malta	274	402	589	761	785	738	783	892	908	920	1100	1400
ex-Yug	6157	11768	13077									
Slovenia				2338	2436	2527	2471	2490	3459	2470	2540	2510
Croatia				2171	2564	2759	2992	3483	3277	3240	4369	6172
Serbia & M.				811	490	1783	2328	2757	3596	3610	3828	3850
Bosnia-H				592	942	983	1021	1063	1526	1526	1604	1772
Macedonia				837	973	795	937	872	895	895	918	1014
Albania	-780	-446	-132	96	739	793	902	1383	1269	1269	1355	1540
NMCs	230881	266837	236955	246831	260054	270846	268670	272518	273423	269910	301633	328338
Turkey	5600	13425	18809	25267	28353	26385	28142	27460	27870	26970	39610	60230
Israel	400	8424	9124	11753	12060	12287	11588	12081	11147	11173	12200	13200
PNA	0	0	0	0	0	0	0	719	719	832	970	970
Syria	-2603	-4149	-8546	-18837	-16027	-16928	-18597	-16113	-11076	-11000	-2800	13500
Lebanon	1806	2334	2164	4215	4634	5031	5000	5572	5234	5234	6400	6500
Egypt	-8874	-18738	-23702	-24948	-11158	-10471	-8987	-10253	-5567	-5000	10000	32500
Libya	-135450	-87614	-49114	-60506	-57407	-55757	-51332	-59424	-66287	-76800	-87700	-146700
Tunisia	-2934	-3278	-2285	-1139	33	391	356	661	704	1108	5800	6600
Algeria	-36775	-48693	-49246	-50672	-62334	-61155	-64987	-68136	-72134	-83377	-102000	-140000
Morocco	1801	3916	4942	6141	6572	6611	6728	6938	7051	7564	9355	9485
SEMCs	-177029	-134373	-97854	-108726	-95274	-93606	-92089	-100495	-102339	-123296	-108165	-143715
MED	53852	132464	139101	138105	164780	177240	176581	172021	171082	146614	193468	184623
NMCs Imp	230881	266837	236955	246831	260054	270846	268670	272518	273423	269910	301633	328338
SEMCs Imp	9607	28099	35039	47376	51652	50705	51814	53431	52725	52881	74335	110485
SEMCs Exp	-186636	-162472	-132893	-156102	-146926	-144311	-143903	-153926	-155064	-176177	-182500	-254200

Source: OME

Coal Net Imports/Exports (Net Imp) in x1000 toe		1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain		2028	2603	7825	8879	12951	11382	14135	13130	14570	14880	8900	13400
France		10575	19516	11978	10056	12561	11066	12315	12960	13670	14040	9800	11200
Italy		8040	11360	13458	12237	12556	13272	13625	14720	16540	16170	17000	13900
Greece		215	311	862	879	816	915	398	730	550	420	760	720
Cyprus		0	0	63	12	32	35	35	35	37	37	30	30
Malta		0	0	186	32	0	0	0	200	200	200	0	0
ex-Yug		1663	2332	2549									
Slovenia					191	246	424	417	333	344	-60	-50	-230
Croatia					134	431	480	584	653	692	700	700	700
Serbia & M.					-12	320	188	197	367	551	560	0	44
Bosnia-H					0	0	417	-179	117	108	108	108	108
Macedoina					114	135	129	2	84	98	98	98	98
Albania		63	111	163	0	10	15	3	21	2	2	3	7
NMCs		22584	36233	37084	32522	40058	38323	41532	43350	47362	47155	37349	39976
Turkey		94	835	2239	4534	10421	6740	8250	10560	11850	11180	12330	43530
Israel		5	1	2309	4113	6632	7192	7807	7702	7797	7631	8600	9260
PNA		0	0	0	0	0	0	0	0	0	0	0	0
Syria		4	3	0	1	3	3	2	0	0	0	0	0
Lebanon		3	4	0	119	132	132	132	132	132	132	0	0
Egypt		352	540	875	645	592	750	808	861	895	700	840	840
Libya		0	0	0	0	0	0	0	0	0	0	0	0
Tunisia		65	62	89	69	76	70	59	132	132	132	138	144
Algeria		-38	117	900	573	481	511	632	681	720	720	500	600
Morocco		3	-15	859	1324	2630	3368	3462	3227	3596	3424	4000	3905
SEMCS		488	1547	7271	11378	20967	18766	21152	23295	25122	23919	26408	58279
MED		23072	37780	44355	43900	61025	57089	62684	66645	72484	71074	63757	98255

Source: OME

Quantities of Oil imported by Origin in 2004 (Mt)

Importers	Spain	France	Italy	Greece	Malta	Slovenia	Croatia	Serbia	Macedoni	Turkey	Syria	Egypt	Libya	Algeria	Tunisia	Med	Russia	Other CE	M. East	Iran	Africa	Norway	UK	Other Euro	N. America	Latin Am	Asia	No. specific	Total	
Portugal	875	217	171	10	0	0	0	0	0	0	0	0	1259	1804	0	4336	963	1598	1936	478	2278	694	1236	674	728	1688	0	1171	17580	
Spain	0	830	4540	25	0	0	0	0	0	298	758	244	7744	4191	679	19309	11196	3169	12381	3479	11350	3727	2591	3980	11644	1526	95	25	84472	
France	838	74	2649	41	14	0	0	0	0	141	1285	294	4244	6737	190	16477	18448	9603	17990	6381	6822	16027	11358	10674	1418	1170	748	324	117572	
Italy	212	1446	0	197	425	15	147	29	0	965	2698	2962	25894	6046	405	41441	22379	4977	16321	9563	3563	3347	833	1138	2880	1418	494	0	108194	
Greece	43	179	917	0	0	0	0	0	23	114	27	118	1452	0	0	2871	8614	673	7064	6592	68	0	48	651	241	389	228	0	27419	
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2411
Malta	0	0	0	0	0	0	0	0	0	0	50	0	240	0	0	290				0	0	0	0	0	0	0	0	0	0	637
Slovenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	2721
Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	5548
Serbia																0														3910
Bosnia & H.																0														1219
Macedonia																0														1119
Albania																0														1273
Turkey	103	2	758	357							2200	99	4539	1381	43	9482	7169		5377	6937	48	415	63	460					4272	34223
Israel																0														14872
PNA																0														1430
Syria											800					0														3850
Lebanon			379													1179														2818
Egypt																0														29
Libya																0														3278
Tunisia			150								41		779			970														4248
Algeria			402													402														642
Morocco			490											140		630			4000											3667
Total	2071	4169	9035	630	439	16	147	29	23	1618	7829	3715	46151	20299	1317	97387	68769	20020	66129	33460	24149	24110	16129	17577	16843	6411	1565	64314	448883	
Share by sour	0.5%	0.9%	2.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	1.8%	0.8%	10.4%	4.6%	0.3%	21.8%	15.4%	4.5%	14.6%	7.5%	5.4%	5.4%	3.6%	3.9%	3.6%	1.4%	0.4%	12.2%	100%	

Source: IEA, CPDP, BP & OME

Quantities of Natural Gas imported by Origin (in bcm)

Importers	Algeria	Egypt	Libya	Italy	Med	Norway	Russia	Nigeria	A-Dhabi	Oman	Catar	Iran	T & Tob.	Australia	Malaysia	Austria	Belgium	Germany	Netherl.	U.K.	TOTAL	
Spain	14,7	3,5	0,9		19,1	2,1		5,0	0,3	1,7	4,6		0,5	0,1	0,2			1,9	0,1	8,3	0,2	33,4
France	7,5	1,1			8,6	14,2	11,5	4,2										1,9	0,1	8,0	0,5	49,0
Italy	27,7		4,5		32,2	6,9	23,3												2,5			73,5
Greece	0,5				0,5		2,4															2,9
Cyprus					-																	-
Malta					-																	-
Slovenia	0,4				0,4		0,6									0,1						1,1
Croatia				0,04	0,0		1,1															1,2
Serbia					-		2,2															2,2
Bosnia & H.					-		0,4															0,4
Macedonia					-		0,1															0,1
Albania					-																	-
Turkey	3,9				3,9		17,8	1,0				4,3										27,0
Israel					-																	-
PNA					-																	-
Syria					-																	-
Lebanon					-																	-
Egypt					-																	-
Libya					-																	-
Tunisia	1,3				1,3																	1,3
Algeria					-																	-
Morocco					-																	-
Total	56,0	4,6	5,4	0,0	66	21,1	59,4	10,2	0,3	1,7	4,6	4,3	0,5	0,1	0,2	0,1	1,9	2,6	16	0,7	190	
Share by source	29%	2%	3%	0,0%	35%	11%	31%	5%	0,2%	1%	2%	2%	0,3%	0,0%	0,1%	0,1%	1%	1%	9%	0,4%	100%	

Source: CEDIGAZ, BP & OME

Electrical Exchanges between Mediterranean Countries in 2005 (GWh)

Electrical Interconnections	Exports	Imports	Total
Portugal-Spain	2806	9477	12283
France-Spain	7284	749	8033
France-Italy	14493	702	15195
Italy-Greece	268	711	979
Italy-Slovenia	2	7931	7933
Slovenia-Croatia	1076	7944	9020
Croatia-BIH	1340	2735	4075
BiH-Serbia& M.	893	911	1804
Serbia& M.-Macedonia	1990	1	1991
Greece-Macedonia	71	796	867
Greece-Albania	1056	15	1071
Albania- Serbia&M.	711	193	904
Spain-Morocco	898	111	1009
Algeria-Spain			0
Algeria-Morocco	74	47	121
Algeria-Tunisia	58	150	208
Tunisia-Libya		0	0
Egypt-Libya	196	105	301
Egypt-Jordan	741	3	744
Syria-Jordan	241	2	243
Syria-Lebanon	455		455
Israel-PNA	1665		1665
TOTAL Intra-Mediterranean	36318	32583	68901

(Total) Electricity Imports-Exports in Mediterranean Basin in 2005 (GWh)

Countries	Exports	Imports	Total
Portugal	2806	9477	12283
Spain	11124	10201	21325
France	66248	7101	73349
Italy	1406	48542	49948
Greece	1838	5632	7470
Slovenia	9540	9287	18827
Croatia	9286	10700	19986
Bosnia-H.	3628	2251	5879
Serbie & M.	3147	8563	11710
Macedonia	797	2395	3192
Albania	726	1249	1975
Turkey	1800	600	2400
Syria	696	2	698
Lebanon	0	455	455
Israel	1665	0	1665
PNA	0	1665	1665
Jordan	5	982	987
Egypt	937	108	1045
Libya	105	196	301
Tunisia	150	58	208
Algeria	132	197	329
Morocco	158	972	1130
TOTAL in Mediterranean	116194	120633	236827

Source: UCTE; Eurelectric; UAPTDE; Comelec; Companies & OME

SELECTED PRIORITY INDICATORS in the MEDITERRANEAN

	GDP Per Capita (GDP using Exchange Rates in US\$2000)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	6618	8798	11341	12108	14422	14767	14958	15137	15357	15665	18088	23132	3.2%	2.6%	2.4%	1.7%	2.9%	2.5%	2.6%	2.6%
France	11737	15241	18547	19377	21889	22202	22331	22375	22753	23066	26262	31677	2.9%	2.0%	1.7%	1.1%	2.6%	1.9%	2.0%	2.1%
Italy	9513	12998	16176	17056	18607	18883	18909	18949	19167	19141	21371	26025	3.5%	2.2%	1.4%	0.6%	2.2%	2.0%	2.1%	2.1%
Greece	5971	8572	8711	9008	10395	10807	11219	11706	12206	12635	15154	20354	4.1%	0.2%	1.8%	4.0%	3.7%	3.0%	2.2%	3.2%
Cyprus	4235	5401	8957	10383	12021	12089	12680	12857	13290	13718	15500	20205	2.7%	5.2%	3.0%	2.7%	2.5%	2.7%	3.5%	2.6%
Malta	1883	4423	6389	8148	9846	9620	9572	9550	9429	9310	10735	15726	10.0%	3.7%	4.4%	-1.1%	2.9%	3.9%	4.8%	3.6%
Ex-Yug.	1618	2476	2165										4.8%	-1.3%						
Slovenia				7789	9603	9919	10285	10371	10872	11373	13575	17045				3.4%	3.6%	2.3%		2.7%
Croatia				3351	4189	4375	4591	4800	4977	5155	6117	7309				4.2%	3.5%	1.8%		2.4%
Serbia & M.				813	1062	1121	1173	1185	1296	1393	1628	1833				5.6%	3.2%	1.2%		1.8%
Bosnia-Herz.				392	1169	1231	1282	1333	1387	1439	1666	1932				4.2%	3.0%	1.5%		2.0%
Macedonia				1577	1772	1686	1693	1750	1814	1877	2164	2903				1.2%	2.9%	3.0%		2.9%
Albania	786	1063	983	884	1185	1284	1323	1387	1484	1581	1795	2292	3.4%	-0.8%	1.9%	5.9%	2.6%	2.5%	2.1%	2.5%
NMICS	8350	11097	13486	14251	16309	16602	16731	16825	17107	17296	19641	24102	3.2%	2.0%	1.9%	1.2%	2.6%	2.1%	2.2%	2.2%
Turkey	1549	1899	2495	2664	2954	2687	2838	2977	3194	3379	4088	6796	2.3%	2.8%	1.7%	2.7%	3.9%	5.2%	2.3%	4.8%
Israel	9873	12197	14506	16849	18357	17868	17332	17284	17779	18261	22456	27052	2.4%	1.7%	2.4%	-0.1%	4.2%	1.9%	1.8%	2.7%
Palestine																				
Syria	595	1004	876	1118	1077	1084	1139	1122	1115	1109	1216	1492	6.0%	-1.4%	2.1%	0.6%	1.9%	2.1%	1.8%	2.0%
Lebanon	5080	3926	3111	4688	4882	5000	5086	5343	5579	5809	7216	10641	-2.8%	-2.3%	4.6%	3.5%	4.4%	4.0%	0.4%	4.1%
Egypt	584	879	1180	1270	1519	1500	1562	1579	1616	1651	1918	2221	4.6%	3.0%	2.6%	1.7%	3.0%	1.5%	3.1%	2.0%
Libya	22035	19027	6479	6704	6409	6354	6407	6911	7158	7397	7516	8040	-1.6%	-10.2%	-0.1%	2.9%	0.3%	0.7%	-3.2%	0.6%
Tunisia	901	1353	1504	1656	2036	2111	2115	2213	2332	2449	3043	4271	4.6%	1.1%	3.1%	3.8%	4.4%	3.4%	3.0%	3.8%
Algeria	1200	1833	1785	1618	1756	1784	1818	1912	1978	2043	2567	3865	4.8%	-0.3%	-0.2%	3.1%	4.7%	4.2%	1.6%	4.3%
Morocco	756	949	1118	1063	1199	1259	1283	1340	1347	1353	1565	2136	2.6%	1.7%	0.7%	2.4%	3.0%	3.2%	1.7%	3.1%
SEMICs	1658	2042	2092	2270	2492	2447	2514	2555	2658	2750	3264	4530	2.3%	0.2%	1.8%	2.0%	3.5%	3.3%	1.5%	3.4%
TOTAL	5576	7019	7765	7950	8709	8821	8877	8860	8996	9079	10112	12204	2.6%	1.0%	1.2%	0.8%	2.2%	1.9%	1.4%	2.0%

Source : OME

	Consumption Energie Per Capita (toe/hab)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	1261	1829	2346	2624	3100	3143	3190	3217	3329	3339	3739	4124	4.2%	2.5%	2.8%	1.5%	2.3%	1.0%	2.9%	1.4%
France	3096	3512	3907	4053	4248	4367	4336	4313	4355	4371	4550	4640	1.4%	1.1%	0.8%	0.6%	0.8%	0.2%	1.0%	0.4%
Italy	2081	2305	2561	2752	2919	2928	2919	3019	3179	3189	3363	3853	1.1%	1.1%	1.3%	1.8%	1.1%	1.4%	1.3%	1.3%
Greece	1018	1600	2140	2201	2340	2613	2634	2705	2721	2796	3549	3941	5.1%	3.0%	1.7%	1.9%	4.9%	1.1%	3.0%	2.3%
Cyprus	1052	1545	2256	2695	3153	3179	3180	3427	3192	3450	3845	4240	4.4%	3.9%	3.4%	1.8%	2.2%	1.0%	3.6%	1.4%
Malta	846	1104	2153	2098	2013	1868	1972	2730	2749	2759	2664	3332	3.0%	6.9%	-0.7%	6.5%	-0.7%	2.3%	3.5%	1.3%
Ex-Yug.	1078	1533	1895										4.0%	2.1%						
Slovenia				2980	3264	3444	3540	3494	4061	3431	3656	3758				1.0%	1.3%	0.3%		0.6%
Croatia				1331	1767	1802	1869	1998	1952	1976	2306	2920				2.3%	3.1%	2.4%		2.6%
Serbia & M.				1292	1656	1813	1923	1988	2187	2163	2083	2090				5.5%	-0.7%	0.0%		-0.2%
Bosnia-Herz.				451	1044	1131	1069	1141	1264	1294	1313	1439				4.4%	0.3%	0.9%		0.7%
Macedonia				1402	1327	1269	1265	1303	1312	1299	1410	1512				-0.4%	1.6%	0.7%		1.0%
Albania	777	1142	812	335	516	526	598	642	731	731	765	822	4.4%	-3.3%	-4.4%	7.2%	0.9%	0.7%	-0.2%	0.8%
NMICS	2029	2417	2789	2893	3182	3247	3253	3296	3399	3407	3647	3939	2.0%	1.4%	1.3%	1.4%	1.4%	0.8%	1.5%	1.0%
Turkey	533	708	934	993	1127	1020	1064	1124	1129	1174	1577	2472	3.2%	2.8%	1.9%	0.8%	6.1%	4.6%	2.3%	5.1%
Israel	2066	2209	2522	2865	2962	3016	2946	2947	2935	3029	3501	3814	0.7%	1.3%	1.6%	0.4%	2.9%	0.9%	1.1%	1.5%
Palestine	3			40				264	260	296	431	424								
Syria	414	597	914	963	1041	980	1013	982	991	989	1084	1409	4.2%	4.3%	1.3%	-1.0%	1.8%	2.7%	2.6%	2.4%
Lebanon	791	934	854	1418	1485	1577	1532	1703	1588	1566	2158	2347	1.9%	-0.9%	5.7%	1.1%	6.6%	0.8%	2.0%	2.7%
Egypt	217	348	573	580	682	689	753	750	796	821	951	1199	5.4%	5.1%	1.8%	3.8%	3.0%	2.3%	4.0%	2.6%
Libya	802	2364	2680	3388	3212	3198	3217	3198	3230	3187	3552	3504	12.8%	1.3%	1.8%	-0.2%	2.2%	-0.1%	4.1%	0.6%
Tunisia	392	591	679	676	794	826	819	862	899	895	1173	1290	4.7%	1.4%	1.6%	2.4%	5.6%	1.0%	2.5%	2.5%
Algeria	259	648	944	920	957	954	988	972	975	984	1135	1547	10.7%	3.8%	0.1%	0.5%	2.9%	3.1%	4.0%	3.1%
Morocco	157	248	281	316	359	380	382	379	384	395	504	536	5.2%	1.3%	2.5%	1.9%	5.0%	0.6%	2.7%	2.1%
SEMICs	392	602	815	876	955	942	978	984	998	1021	1251	1658	4.9%	3.1%	1.6%	1.3%	4.2%	2.9%	2.9%	3.3%
TOTAL	1351	1599	1798	1832	1957	1980	1996	2005	2051	2059	2253	2553	1.9%	1.2%	0.9%	1.0%	1.8%	1.3%	1.2%	1.4%

Source : OME

	Per Capita Electricity Consumption (kWh/cap)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020		
Spain	1801	2912	3891	4223	5519	5727	5849	6139	6492	6814	7401	8628	5.5%	2.9%	3.6%	4.3%	1.7%	1.5%	4.0%	1.6%
France	2974	4669	7172	8263	8842	8922	9016	9090	9119	9245	9334	10027	5.1%	4.4%	2.1%	0.9%	0.2%	0.7%	3.4%	0.5%
Italy	2292	3251	3758	4142	4673	4694	4781	4882	5041	5193	5659	7379	4.0%	1.5%	2.2%	2.1%	1.7%	2.7%	2.4%	2.4%
Greece	1287	2309	3364	3883	4893	4847	4909	5256	5317	5424	6979	7778	6.7%	3.8%	3.8%	2.1%	5.2%	1.1%	4.3%	2.4%
Cyprus	1083	1692	2899	3378	4452	4666	4948	5243	6046	6167	6130	7044	5.1%	5.5%	4.4%	6.7%	-0.1%	1.4%	5.2%	0.9%
Malta	941	1448	3056	4317	4915	4919	5169	5590	5499	5911	7171	9916	4.9%	7.8%	4.9%	3.8%	3.9%	3.3%	5.6%	3.5%
Ex-Yug.	1434	2684	3505										7.2%	2.7%						
Slovenia				6339	6830	7318	7435	7024	7655	6819	7679	7959				0.0%	2.4%	0.4%		1.0%
Croatia				1906	2407	2741	2767	2877	3000	3057	3686	4898				4.9%	3.8%	2.9%		3.2%
Serbia & M.				3267	4215	4337	4328	4314	4752	4765	4484	4305				2.5%	-1.2%	-0.4%		-0.7%
Bosnia-Herz.				1287	2710	2676	2765	2885	3178	3132	3105	3257				2.9%	-0.2%	0.5%		0.3%
Macedonia				3119	3362	3126	2988	3305	3270	3431	3443	3733				0.4%	0.1%	0.8%		0.6%
Albania	560	1391	976	1379	1522	1191	1189	1687	1793	1793	1937	2056	10.6%	-3.5%	4.5%	3.3%	1.6%	0.6%	3.5%	0.9%
NMFCs	2219	3451	4715	5222	6011	6096	6186	6336	6512	6665	7055	8112	5.0%	3.2%	2.5%	2.1%	1.1%	1.4%	3.3%	1.3%
Turkey	268	524	1024	1399	1852	1789	1858	1989	2099	2225	3095	5486	7.7%	6.9%	6.1%	3.7%	6.8%	5.9%	6.4%	6.2%
Israel	2489	3199	4485	5487	6832	6808	6909	7021	7128	7222	7111	8352	2.8%	3.4%	4.3%	1.1%	-0.3%	1.6%	3.2%	1.0%
Palestine											389	401								
Syria	205	442	909	1126	1505	1553	1587	1632	1728	1719	2221	2336	8.9%	7.5%	5.2%	2.7%	5.3%	0.5%	6.4%	2.1%
Lebanon	550	1019	556	1711	2306	2376	2760	2907	2895	2856	3354	3784	7.1%	-5.9%	15.3%	4.4%	3.3%	1.2%	5.0%	1.9%
Egypt	222	431	759	850	1161	1214	1276	1335	1395	1427	1642	2508	7.7%	5.8%	4.3%	4.2%	2.9%	4.3%	5.6%	3.8%
Libya	246	1577	2362	2403	2924	2984	3187	3382	3544	3881	5293	5925	23.0%	4.1%	2.2%	5.8%	6.4%	1.1%	8.5%	2.9%
Tunisia	178	458	713	856	1108	1178	1206	1254	1252	1309	1532	2266	11.1%	4.5%	4.2%	3.4%	3.2%	4.0%	6.0%	3.7%
Algeria	157	380	637	698	834	863	881	915	912	1006	1309	2140	10.3%	5.3%	2.7%	3.8%	5.4%	5.0%	5.6%	5.2%
Morocco	149	272	403	468	493	555	585	629	648	669	826	989	6.9%	4.0%	2.0%	6.3%	4.3%	1.8%	4.5%	2.6%
SEMCs	278	538	906	1127	1450	1487	1548	1607	1668	1736	2183	3290	7.6%	5.4%	4.8%	3.7%	4.7%	4.2%	5.5%	4.4%
TOTAL	1414	2139	2803	3069	3502	3563	3624	3697	3793	3881	4220	5181	4.7%	2.7%	2.3%	2.1%	1.7%	2.1%	3.0%	1.9%

Source : OME

	Electricity Intensity (in kWh per thousand GDP 2000\$1S)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	272	331	343	349	383	388	391	406	423	435	409	373								
France	253	306	387	426	404	402	404	406	401	401	355	317	2.2%	0.4%	1.1%	2.6%	-1.2%	-0.9%	1.4%	-1.0%
Italy	241	250	232	243	251	249	253	258	263	271	265	284	2.1%	2.4%	0.4%	-0.2%	-2.4%	-1.2%	1.4%	-1.6%
Greece	216	269	386	431	471	449	438	449	436	429	461	382	0.4%	-0.7%	0.8%	1.6%	-0.5%	0.7%	0.4%	0.3%
Cyprus	256	313	324	325	370	386	390	408	455	450	395	349	2.5%	3.7%	2.0%	-1.8%	1.4%	-1.8%	2.0%	-0.8%
Malta	500	327	478	530	499	511	540	585	583	635	668	631	2.3%	0.3%	1.4%	4.0%	-2.5%	-1.3%	1.7%	-1.7%
Ex-Yug.	886	1084	1619	530	499	511	540	585	583	635	668	631	-4.6%	3.9%	0.4%	4.9%	1.0%	-0.6%	0.7%	0.0%
Slovenia				816	711	738	723	677	704	600	566	467	2.3%	4.1%						
Croatia				569	575	627	603	599	603	593	603	670				-3.4%	-1.2%	-1.9%		-1.7%
Serbia & M.				4018	3970	3869	3691	3639	3666	3422	2754	2349				0.6%	0.3%	1.1%	0.8%	0.8%
Bosnia-Herz.				3284	2318	2174	2157	2163	2291	2176	1864	1686				-2.9%	-4.2%	-1.6%		-2.5%
Macedonia				1978	1897	1855	1765	1889	1803	1828	1592	1286				-1.3%	-3.1%	-1.0%		-1.7%
Albania	712	1308	993	1560	1284	928	899	1216	1208	1134	1079	897				-0.7%	-2.7%	-2.1%		-2.3%
NMICS	266	311	350	366	369	367	370	377	381	385	359	337	7.0%	-2.7%	2.6%	-2.4%	-1.0%	-1.8%	1.4%	-1.6%
Turkey	173	276	410	525	627	666	650	668	657	658	757	807	1.8%	1.2%	0.5%	0.9%	-1.4%	-0.6%	1.1%	-0.9%
Israel	252	262	309	326	372	381	399	406	401	396	317	309	5.3%	4.1%	4.3%	1.0%	2.8%	0.6%	4.0%	1.4%
Palastine													0.4%	1.7%	1.9%	1.2%	-4.3%	-0.3%	1.3%	-1.6%
Syria	345	440	1037	1007	1398	1432	1394	1455	1550	1550	1826	1566								
Lebanon	108	260	179	365	472	475	543	544	519	492	465	356	2.7%	8.9%	3.0%	2.1%	3.3%	-1.5%	4.5%	0.1%
Egypt	379	491	643	669	765	809	817	845	864	864	856	1129	10.2%	-3.7%	10.2%	0.8%	-1.1%	-2.6%	4.6%	-2.1%
Libya	11	83	364	358	456	470	497	489	495	525	704	737								
Tunisia	197	338	474	517	544	558	570	566	537	534	503	530	2.9%	2.7%	1.7%	2.5%	-0.2%	2.8%	2.5%	1.8%
Algeria	131	207	357	431	475	484	484	479	461	492	510	554	25.0%	16.0%	2.3%	2.8%	6.1%	0.5%	12.0%	2.3%
Morocco	197	287	360	440	411	441	456	469	481	494	528	463	6.2%	3.4%	1.4%	-0.4%	-1.2%	0.5%	3.0%	0.0%
SEMICs	167	263	433	496	582	608	616	629	628	631	669	726	5.2%	5.1%	3.0%	1.6%	1.2%	0.8%	4.0%	-0.4%
TOTAL	254	305	361	386	402	404	408	417	422	427	417	425	4.3%	2.3%	1.3%	3.7%	1.3%	-1.3%	2.7%	0.9%
													5.2%	5.1%	3.0%	1.6%	1.2%	0.8%	4.0%	0.9%
													2.1%	1.7%	1.1%	1.2%	-0.5%	0.2%	1.5%	0.0%

Source : OME

	Share of Natural Gas in the Mediterranean (%)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	1%	2%	5%	8%	12%	13%	14%	15%	18%	20%	23%	25%	11,0%	9,9%	8,4%	10,3%	2,8%	0,9%	9,8%	1,5%
France	6%	11%	11%	12%	14%	14%	14%	15%	15%	15%	15%	18%	7,2%	0,2%	1,9%	2,2%	-0,1%	1,8%	2,8%	1,1%
Italy	10%	17%	27%	28%	34%	34%	34%	35%	38%	39%	39%	44%	6,8%	4,4%	2,9%	2,4%	0,4%	1,2%	4,2%	0,9%
Greece	0%	0%	1%	0%	6%	6%	6%	7%	7%	8%	16%	16%			25,7%	4,3%	15,5%	0,0%		4,9%
Cyprus	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	16%						2,6%		
Malta	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%								
Ex-Yug.	5%	9%	14%										7,6%	4,5%						
Slovenia				13%	13%	12%	12%	13%	11%	14%	16%	22%				2,2%	2,6%	3,2%		3,0%
Croatia				27%	28%	29%	29%	27%	26%	27%	29%	32%				-1,1%	1,5%	0,9%		1,1%
Serbia & M.				10%	11%	12%	11%	11%	11%	11%	14%	20%				0,0%	3,7%	3,8%		3,8%
Bosnia-Herz.				8%	8%	6%	6%	6%	6%	6%	11%	20%				2,1%	11,0%	6,6%		8,1%
Macedonia				0%	2%	3%	3%	2%	2%	2%	15%	22%				1,7%	47,0%	3,7%		16,5%
Albania				2%	1%	0%	1%	1%	1%	1%	6%	13%				2,0%	55,1%	8,8%		22,5%
NMCS	6%	11%	14%	15%	19%	19%	19%	20%	21%	22%	23%	27%	6,5%	2,6%	2,7%	3,5%	1,2%	1,4%	3,8%	1,3%
Turkey	0%	0%	5%	9%	17%	19%	20%	24%	24%	27%	29%	29%				11,8%	10,0%	-2,4%		-1,0%
Israel	2%	2%	0%	0%	0%	0%	0%	0%	5%	7%	16%	23%					17,9%	4,6%	4,4%	8,8%
Palestine	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	45%								
Syria	0%	1%	12%	16%	28%	27%	31%	31%	31%	32%	29%	30%			31,7%	9,2%	-1,7%	0,4%		-0,3%
Lebanon	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	33%				2,4%	-1,7%	4,7%		
Egypt	1%	10%	21%	29%	39%	40%	44%	46%	45%	45%	43%	45%				3,1%	-0,9%	0,4%	12,2%	0,0%
Libya	54%	34%	35%	25%	24%	25%	26%	25%	27%	28%	47%	53%				2,6%	11,1%	1,2%	-2,0%	4,4%
Tunisia	0%	9%	22%	32%	36%	38%	37%	39%	39%	40%	36%	43%				2,3%	-2,4%	2,0%		0,5%
Algeria	31%	53%	57%	62%	64%	64%	64%	63%	61%	62%	65%	74%				-0,8%	1,1%	1,2%	2,0%	1,2%
Morocco	2%	1%	1%	0%	0%	0%	0%	0%	0%	5%	14%	26%				65,3%	24,2%	6,4%	2,9%	12,0%
SEMCS	5%	12%	19%	21%	27%	28%	30%	31%	31%	33%	36%	37%	11,2%	4,5%	3,6%	4,1%	1,8%	0,2%	5,9%	0,7%
TOTAL	6%	11%	15%	17%	21%	21%	22%	23%	24%	25%	28%	31%	7,0%	3,2%	3,1%	3,8%	1,8%	1,2%	4,3%	1,4%

Source : OME

	Share of RE (including Hydro) in the Mediterranean (in%)										Annual Growth Rate (%)									
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020	1971-80	1980-90	90-2000	2000-05	2005-10	10-20	1971-2005	2005-2020
Spain	6.4%	4.1%	6.9%	5.6%	5.8%	6.6%	5.6%	7.1%	6.6%	6.5%	7.7%	7.3%	-4.7%	5.3%	-1.8%	2.3%	3.4%	-0.5%	0.1%	0.8%
France	8.4%	7.6%	7.0%	7.4%	6.8%	7.0%	6.3%	6.5%	6.5%	6.4%	6.6%	7.3%	-1.2%	-0.9%	-0.3%	-1.0%	0.4%	1.0%	-0.8%	0.8%
Italy	3.5%	3.9%	2.7%	3.1%	3.7%	3.9%	3.7%	3.7%	5.9%	6.1%	6.1%	5.9%	1.1%	-3.7%	3.4%	10.6%	0.0%	-0.2%	1.7%	-0.2%
Greece	7.4%	4.7%	4.7%	5.3%	5.0%	4.4%	4.7%	5.0%	5.0%	5.1%	4.1%	4.2%	-4.9%	0.0%	0.5%	0.6%	-4.4%	0.3%	-1.1%	-1.3%
Cyprus	1.4%	0.6%	0.4%	0.6%	0.4%	0.4%	0.4%	0.2%	2.2%	2.0%	1.8%	1.7%	-8.4%	-4.8%	-0.4%	39.6%	-2.0%	-0.7%	1.1%	-1.1%
Malta	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.5%					5.8%			
Ex-Yug.	13.6%	9.2%	5.5%										-4.2%	-5.0%						
Slovenia				8.7%	12.2%	11.5%	10.4%	10.8%	10.4%	11.8%	11.0%	11.5%				-0.6%	-1.4%	0.4%		-0.2%
Croatia				10.1%	11.3%	10.8%	9.2%	9.2%	11.4%	11.3%	9.5%	7.4%				0.0%	-3.4%	-2.5%		-2.8%
Serbia & M.				13.1%	14.2%	13.4%	12.3%	10.7%	10.9%	11.0%	10.9%	10.3%				-4.9%	-0.3%	-0.5%		-0.4%
Bosnia-Herz.				30.4%	15.4%	14.3%	15.2%	14.5%	13.8%	13.2%	12.4%	83.2%				-3.0%	-1.2%	20.9%		13.1%
Macedonia				9.3%	11.4%	7.7%	8.1%	11.3%	10.9%	10.7%	9.9%	8.8%				-1.3%	-1.6%	-1.1%		-1.3%
Albania				39.4%	27.5%	21.6%	18.9%	24.9%	23.1%	23.1%	21.9%	20.2%				-3.5%	-1.1%	-0.8%		-0.9%
NMTCs	7.0%	6.1%	5.6%	6.1%	6.0%	6.3%	5.7%	6.1%	6.7%	6.6%	6.8%	7.5%	-1.5%	-0.8%	0.7%	1.9%	0.6%	0.9%	-0.1%	0.8%
Turkey	31.0%	27.5%	17.5%	16.6%	12.1%	12.0%	12.1%	11.1%	11.8%	10.5%	8.9%	7.7%	-1.3%	-4.4%	-3.6%	-2.8%	-3.2%	-1.5%	-3.1%	-2.1%
Israel	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	2.6%	-6.3%	-3.1%	3.9%	145.9%	-3.5%	-0.7%	12.4%	-1.6%
Palestine	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%								
Syria	0.2%	4.2%	2.0%	1.6%	1.8%	1.7%	1.7%	1.4%	2.0%	1.9%	2.7%	4.6%	41.6%	-7.0%	-2.3%	3.7%	6.6%	5.5%	7.2%	5.9%
Lebanon	8.5%	7.1%	6.2%	4.0%	3.2%	2.8%	3.4%	3.9%	3.9%	3.9%	2.5%	2.1%	-2.0%	-1.3%	-6.3%	3.9%	-8.3%	-1.7%	-2.2%	-4.0%
Egypt																				
Libya	13.8%	10.7%	6.0%	6.2%	5.5%	5.7%	4.8%	4.8%	4.4%	4.3%	3.5%	3.0%	-2.8%	-5.6%	-0.9%	-4.9%	-3.7%	-1.6%	-3.4%	-2.3%
Tunisia	5.8%	1.7%	1.1%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.9%	0.8%	0.9%	-12.6%	-4.6%	-2.7%	1.1%	-1.8%	1.1%	-5.5%	0.1%
Algeria	33.2%	21.7%	18.8%	12.4%	12.2%	12.6%	12.4%	12.4%	12.3%	12.3%	9.4%	8.5%	-4.6%	-1.4%	-4.1%	-0.2%	-5.2%	-1.0%	-2.9%	-2.4%
Morocco	1.0%	0.3%	0.1%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.7%	0.9%	-13.6%	-8.4%	9.4%	2.6%	16.0%	3.2%	-3.4%	7.3%
SEMICs	10.6%	8.2%	6.3%	5.4%	5.0%	5.0%	5.0%	5.4%	5.3%	4.5%	5.2%	5.6%	-2.9%	-2.6%	-2.1%	-2.2%	2.9%	0.7%	-2.5%	1.4%
TOTAL	17.4%	13.3%	8.3%	7.5%	6.1%	5.9%	5.8%	5.6%	5.8%	5.6%	5.1%	4.9%	-3.0%	-4.6%	-3.0%	-1.7%	-2.0%	-0.4%	-3.3%	-0.9%
	8.2%	7.3%	6.2%	6.4%	6.0%	6.2%	5.7%	6.0%	6.4%	6.3%	6.3%	6.4%	-1.3%	-1.5%	-0.3%	1.0%	-0.3%	0.3%	-0.8%	0.1%

Source : OME

Total CO2 Emissions from Energy Consumption (in Mt CO2)												
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	117	187	210	240	289	291	306	310	328	337	361	410
France	427	466	371	357	374	386	383	389	393	394	421	459
Italy	295	338	373	398	416	418	419	433	446	445	466	527
Greece	25	44	66	69	80	83	83	85	86	87	110	123
Cyprus	2	3	4	5	6	7	7	7	7	7	8	10
Malta	1	1	2	2	2	2	2	3	3	3	3	4
Ex-Yug.	61	96	129	0	0	0	0	0	0	0	0	0
<i>Slovenia</i>				13	13	14	15	15	17	14	14	14
<i>Croatia</i>				16	17	18	19	20	20	20	24	32
<i>Serbia & M.</i>				41	39	41	44	48	51	51	51	54
<i>Bosnia-Herz.</i>				3	12	13	12	13	15	15	16	18
<i>Macedonia</i>				9	8	8	8	8	8	8	9	9
Albania	4	7	6	2	3	3	4	4	5	5	5	6
NMCS	932	1141	1161	1154	1260	1284	1300	1334	1378	1386	1487	1666
Turkey	41	69	134	154	200	180	190	205	209	224	326	582
Israel	17	23	34	48	58	61	61	62	62	63	75	89
Palestine	0	0	0	0	0	0	0	2	2	2	4	5
Syria	7	14	30	37	44	43	45	45	46	47	58	88
Lebanon	5	6	6	12	13	14	14	16	15	15	21	25
Egypt	19	37	79	86	110	113	126	128	139	146	188	268
Libya	4	18	29	41	44	44	45	46	47	47	58	70
Tunisia	4	8	12	14	17	18	18	19	20	20	29	37
Algeria	10	30	59	64	71	71	75	76	77	79	97	147
Morocco	6	11	18	23	28	31	31	31	33	35	46	53
SEMICs	112	216	402	478	585	575	607	629	650	677	901	1363
TOTAL	1044	1357	1563	1632	1844	1859	1907	1964	2028	2063	2388	3029

Source : OME

Per Capita CO2 Emissions (in kg CO2/cap)												
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	3435	4993	5404	6110	7176	7146	7408	7377	7684	7776	8303	9071
France	8157	8452	6382	6014	6157	6329	6229	6293	6319	6326	6624	6952
Italy	5457	5981	6570	6943	7209	7213	7212	7462	7676	7652	7983	9020
Greece	2744	4467	6343	6473	7360	7558	7546	7700	7734	7892	9798	10736
Cyprus	2801	4145	6163	7255	8528	8601	8602	9283	8483	9180	10019	10989
Malta	2283	2982	6378	5757	5435	5045	5325	7921	7969	7990	7171	8946
Ex-Yug.	2975	4295	5455									
Slovenia				6367	6744	7175	7422	7282	8604	7029	7100	7021
Croatia				3402	3907	4063	4304	4620	4452	4507	5410	6963
Serbia & M.				3883	4785	5104	5468	5813	6340	6354	6032	5940
Bosnia-Herz.				935	3086	3397	3151	3397	3770	3724	3735	4015
Macelonia				4346	3878	3895	3731	3721	3726	3726	4027	4234
Albania	1690	2688	1862	556	940	989	1159	1239	1512	1512	1590	1735
NMCs	5121	5864	5749	5672	6161	6246	6287	6411	6581	6594	6985	7604
Turkey	1123	1551	2392	2495	2958	2630	2732	2906	2917	3072	4153	6628
Israel	5564	5956	7393	8595	9213	9426	9314	9276	9170	9083	10281	10896
Palestine								607	597	681	1004	981
Syria	1118	1544	2370	2498	2656	2503	2561	2483	2492	2487	2715	3443
Lebanon	1955	2340	2164	3698	3827	4095	4000	4442	4123	4067	5478	5858
Egypt	515	837	1415	1407	1634	1647	1807	1792	1911	1972	2314	2844
Libya	1847	5913	6744	8711	8255	8204	8248	8207	8260	8139	8776	8562
Tunisia	721	1235	1433	1511	1760	1826	1808	1904	1990	1974	2698	2951
Algeria	673	1600	2340	2253	2334	2316	2403	2371	2387	2405	2753	3672
Morocco	399	567	762	876	1004	1093	1103	1080	1102	1126	1381	1416
SEMCs	902	1405	2042	2184	2412	2364	2451	2468	2503	2559	3133	4125
TOTAL	3409	3897	3919	3865	4128	4142	4197	4240	4323	4345	4771	5512

Source : OME

	Global Efficiency in Power Generation (Mtoe/TWh)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	0,104	0,158	0,110	0,120	0,116	0,105	0,122	0,110	0,112	0,123	0,093	0,091
France	0,141	0,111	0,025	0,018	0,021	0,017	0,019	0,021	0,025	0,025	0,018	0,029
Italy	0,138	0,157	0,176	0,171	0,166	0,157	0,163	0,168	0,160	0,158	0,151	0,145
Greece	0,184	0,211	0,252	0,221	0,215	0,220	0,217	0,205	0,209	0,207	0,207	0,182
Cyprus	0,299	0,288	0,262	0,260	0,264	0,242	0,236	0,222	0,214	0,223	0,203	0,201
Malta	0,354	0,378	0,462	0,296	0,272	0,253	0,256	0,342	0,355	0,351	0,222	0,220
Ex-Yug.	0,135	0,149	0,209									
Slovenia				0,095	0,095	0,097	0,105	0,106	0,095	0,114	0,102	0,102
Croatia				0,119	0,120	0,124	0,141	0,147	0,117	0,119	0,137	0,161
Serbia & M.				0,225	0,200	0,190	0,200	0,208	0,195	0,193	0,171	0,169
Bosnia-Herz.				0,038	0,183	0,190	0,164	0,171	0,158	0,158	0,153	0,152
Macedonia				0,228	0,198	0,226	0,210	0,185	0,187	0,178	0,198	0,203
Albania	0,171	0,062	0,051	0,012	0,013	0,016	0,015	0,007	0,008	0,008	0,025	0,038
NMGs	0,136	0,140	0,102	0,090	0,092	0,086	0,092	0,092	0,093	0,095	0,086	0,090
Turkey	0,243	0,144	0,157	0,146	0,169	0,179	0,160	0,153	0,145	0,154	0,147	0,137
Israel	0,235	0,230	0,235	0,228	0,206	0,206	0,221	0,215	0,220	0,219	0,213	0,204
Palestine							0,058	0,058	0,061	1,933	0,262	0,752
Syria	0,225	0,131	0,187	0,203	0,206	0,206	0,206	0,213	0,204	0,205	0,176	0,176
Lebanon	0,117	0,327	0,572	0,204	0,232	0,237	0,229	0,235	0,200	0,133	0,161	0,175
Egypt	0,095	0,141	0,188	0,172	0,167	0,156	0,180	0,180	0,193	0,190	0,214	0,174
Libya	0,333	0,362	0,246	0,372	0,340	0,337	0,322	0,327	0,301	0,325	0,232	0,220
Tunisia	0,285	0,299	0,244	0,236	0,233	0,239	0,231	0,236	0,240	0,235	0,187	0,135
Algeria	0,279	0,322	0,292	0,295	0,291	0,292	0,297	0,291	0,306	0,286	0,231	0,178
Morocco	0,103	0,203	0,229	0,247	0,211	0,205	0,206	0,217	0,220	0,217	0,187	0,173
SEMGs	0,196	0,200	0,204	0,198	0,198	0,199	0,199	0,197	0,196	0,197	0,184	0,161
TOTAL	0,141	0,147	0,118	0,111	0,116	0,112	0,117	0,117	0,118	0,121	0,115	0,117

Source: OME

	Efficiency in Gas Power Generation (Mtoe/TWh)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	0,268	0,202	0,181	0,201	0,133	0,120	0,139	0,137	0,148	0,170	0,142	0,143
France	0,198	0,188	0,144	0,143	0,220	0,177	0,198	0,202	0,298	0,247	0,190	0,190
Italy	0,239	0,215	0,203	0,199	0,184	0,172	0,186	0,180	0,182	0,182	0,180	0,170
Greece			0,196	0,187	0,216	0,206	0,191	0,185	0,178	0,190	0,190	0,170
Cyprus												0,200
Malta												
Ex-Yug.	0,282	0,276	0,035									
Slovenia				3,000	0,212	0,216	0,205	0,276	0,173	0,261	0,264	0,269
Croatia				0,278	0,316	0,306	0,277	0,265	0,264	0,260	0,225	0,225
Serbia & M.				0,249	0,247	0,248	0,249	0,242	0,244	0,225	0,225	0,225
Bosnia-H.											0,225	0,225
Macedonia								0,523	0,349	0,020	0,225	0,225
Albania										0,250	0,250	0,250
NMGs	0,212	0,207	0,190	0,199	0,183	0,168	0,180	0,174	0,184	0,185	0,174	0,168
Turkey			0,209	0,179	0,169	0,178	0,179	0,177	0,181	0,170	0,162	0,161
Israel	0,237			0,200	0,231	0,231	0,214	0,280	0,249	0,262	0,225	0,200
Palestine											0,266	0,762
Syria		0,299	0,232	0,232	0,232	0,232	0,232	0,232	0,232	0,230	0,200	0,200
Lebanon											0,160	0,180
Egypt		0,216	0,238	0,226	0,200	0,189	0,207	0,207	0,204	0,203	0,239	0,200
Libya				0,253	0,253	0,253	0,226	0,270	0,297	0,407	0,225	0,225
Tunisia		0,271	0,239	0,228	0,229	0,235	0,226	0,233	0,238	0,234	0,190	0,176
Algeria	0,353	0,337	0,291	0,295	0,292	0,293	0,297	0,294	0,309	0,288	0,242	0,190
Morocco										0,210	0,190	0,200
SEMGs	0,346	0,288	0,248	0,234	0,211	0,210	0,216	0,215	0,219	0,216	0,207	0,190
TOTAL	0,223	0,236	0,220	0,219	0,197	0,189	0,199	0,195	0,201	0,200	0,191	0,180

Source : OME

	Efficiency in Oil Power Generation (Mtoe/TWh)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	0,264	0,229	0,254	0,251	0,198	0,208	0,206	0,225	0,204	0,198	0,178	0,214
France	0,183	0,211	0,188	0,159	0,164	0,139	0,117	0,183	0,253	0,192	0,225	0,225
Italy	0,213	0,217	0,211	0,208	0,221	0,221	0,200	0,216	0,247	0,241	0,225	0,225
Greece	0,241	0,237	0,237	0,234	0,232	0,232	0,237	0,226	0,240	0,234	0,230	0,230
Cyprus	0,299	0,288	0,262	0,260	0,264	0,242	0,236	0,222	0,240	0,250	#DIV/0!	0,250
Malta	0,354	0,378	0,666	0,292	0,272	0,253	0,256	0,255	0,267	0,270	0,225	0,225
Ex-Yug. Slovenia	0,288	0,282	1,059									
Croatia				0,460	0,236	0,262	0,212	0,220	0,209	0,273	0,250	0,250
Serbia & M.				0,303	0,265	0,262	0,244	0,245	0,240	0,250	0,250	0,250
Bosnia-Herz.				0,286	0,286	0,287	0,286	0,287	0,231	0,250	0,250	0,250
Macedonia				0,333	0,354	0,283	0,294	0,342	0,312	0,287	0,250	0,250
Albania	0,354	0,203	0,463	0,395	0,271	0,329	0,285	0,857	1,385	0,600	0,250	0,250
NMGs	0,211	0,221	0,238	0,215	0,218	0,217	0,203	0,219	0,236	0,228	0,223	0,225
Turkey	0,288	0,254	0,302	0,312	0,301	0,247	0,218	0,239	0,246	0,246	0,228	0,240
Israel	0,235	0,230	0,241	0,243	0,182	0,163	0,230	0,219	0,248	0,240	0,476	0,476
Palestine								0,058	0,061	0,000	0,000	0,000
Syria	0,234	0,378	0,248	0,244	0,239	0,239	0,240	0,239	0,238	0,240	0,230	0,230
Lebanon	0,300	0,473	0,858	0,235	0,246	0,248	0,246	0,268	0,224	0,150	0,300	0,260
Egypt	0,257	0,349	0,255	0,206	0,221	0,218	0,242	0,233	0,333	0,307	0,261	0,219
Libya	0,333	0,362	0,246	0,407	0,365	0,361	0,348	0,341	0,302	0,301	0,579	
Tunisia	0,302	0,318	0,259	0,288	0,282	0,292	0,287	0,316	0,294	0,300	0,324	0,048
Algeria	0,305	0,310	0,342	0,385	0,281	0,275	0,315	0,292	0,284	0,279	0,271	0,252
Morocco	0,307	0,258	0,242	0,287	0,240	0,256	0,250	0,248	0,248	0,205	0,147	0,240
SEMGs	0,262	0,294	0,264	0,273	0,258	0,252	0,260	0,263	0,269	0,254	0,255	0,207
TOTAL	0,218	0,232	0,246	0,230	0,232	0,229	0,221	0,235	0,251	0,239	0,234	0,217

Source : OME

	Efficiency in Coal Power Generation (Mtoe/TWh)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	0,208	0,239	0,234	0,230	0,230	0,230	0,231	0,230	0,225	0,225	0,246	0,240
France	0,274	0,243	0,240	0,257	0,240	0,244	0,239	0,222	0,251	0,237	0,255	0,255
Italy	0,318	0,230	0,221	0,223	0,230	0,222	0,228	0,227	0,231	0,229	0,230	0,230
Greece	0,237	0,259	0,274	0,246	0,238	0,239	0,240	0,240	0,246	0,245	0,258	0,225
Cyprus												
Malta												
Ex-Yug.	0,288	0,282	0,258									
Slovenia				0,228	0,263	0,266	0,274	0,269	0,267	0,347	0,250	0,250
Croatia				0,269	0,230	0,242	0,233	0,220	0,235	0,234	0,250	0,250
Serbia & M.				0,351	0,309	0,296	0,302	0,289	0,284	0,280	0,250	0,250
Bosnia-H.				0,217	0,359	0,383	0,321	0,329	0,297	0,297	0,280	0,250
Macedonia				0,261	0,235	0,247	0,237	0,230	0,238	0,223	0,250	0,250
Albania												
NMGs	0,267	0,248	0,244	0,251	0,245	0,244	0,243	0,240	0,243	0,241	0,245	0,237
Turkey	0,409	0,314	0,282	0,278	0,276	0,275	0,279	0,251	0,255	0,254	0,253	0,236
Israel			0,228	0,219	0,217	0,221	0,219	0,214	0,212	0,209	0,210	0,210
Palestine												
Syria												
Lebanon												
Egypt												
Libya												
Tunisia												
Algeria												
Morocco	0,303	0,358	0,330	0,235	0,216	0,211	0,211	0,235	0,241	0,242	0,257	0,230
SEMGs	0,399	0,321	0,268	0,252	0,246	0,245	0,242	0,232	0,234	0,234	0,240	0,231
TOTAL	0,272	0,251	0,247	0,251	0,245	0,244	0,243	0,238	0,240	0,239	0,243	0,234

Source : OME

	Global Energy Dependency (in%)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	76%	77%	60%	69%	75%	74%	76%	76%	77%	79%	78%	80%
France	71%	73%	50%	47%	49%	50%	49%	51%	51%	51%	53%	56%
Italy	84%	86%	84%	83%	85%	86%	86%	86%	85%	85%	86%	88%
Greece	77%	76%	58%	61%	64%	65%	65%	67%	66%	66%	73%	76%
Cyprus	99%	99%	96%	99%	100%	100%	100%	100%	98%	98%	98%	98%
Malta	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%
Ex-Yug.	35%	45%	42%									
Slovenia				53%	52%	54%	52%	54%	58%	48%	53%	55%
Croatia				41%	54%	53%	55%	62%	60%	60%	64%	78%
Serbia & M.				11%	15%	24%	28%	30%	34%	34%	34%	38%
Bosnia-Herz.				47%	27%	35%	24%	30%	35%	38%	42%	50%
Macedonia				35%	44%	40%	42%	42%	43%	43%	49%	55%
Albania	-42%	-12%	2%	8%	52%	59%	59%	75%	57%	57%	60%	64%
NMCs	73%	75%	61%	61%	64%	65%	65%	66%	66%	67%	68%	71%
Turkey	29%	46%	45%	58%	67%	67%	69%	72%	72%	70%	71%	71%
Israel	6%	98%	97%	99%	100%	100%	100%	100%	94%	89%	92%	93%
Palestine	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Syria	-96%	-78%	-73%	-133%	-93%	-101%	-104%	-91%	-60%	-59%	-16%	61%
Lebanon	92%	93%	94%	96%	97%	97%	97%	96%	96%	96%	97%	98%
Egypt	-109%	-119%	-72%	-68%	-23%	-21%	-16%	-18%	-10%	-18%	-14%	7%
Libya	-8189%	-1242%	-436%	-383%	-341%	-327%	-293%	-336%	-364%	-440%	-412%	-578%
Tunisia	-140%	-85%	-28%	12%	13%	17%	17%	23%	23%	26%	62%	69%
Algeria	-1036%	-451%	-321%	-330%	-404%	-395%	-386%	-398%	-401%	-438%	-449%	-403%
Morocco	75%	82%	86%	90%	94%	95%	95%	94%	94%	95%	95%	93%
SEMCs	-370%	-154%	-74%	-68%	-53%	-51%	-47%	-46%	-45%	-55%	-41%	-30%
TOTAL	20%	36%	30%	29%	33%	34%	35%	35%	36%	33%	33%	31%
NMCs Imp	73%	75%	61%	61%	64%	65%	65%	66%	66%	67%	68%	71%
SEMCs Imp	32%	51%	58%	66%	72%	73%	74%	76%	75%	74%	77%	74%
SEMCs Exp	-1049%	-417%	-189%	-208%	-185%	-180%	-166%	-174%	-167%	-188%	-178%	-203%

Source : OME

	Natural Gas Dependency (in %)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	100%	100%	61%	95%	99%	97%	98%	99%	99%	100%	99%	100%
France	38%	71%	84%	91%	96%	96%	96%	97%	98%	98%	100%	100%
Italy	-2%	55%	59%	63%	76%	79%	79%	82%	84%	86%	89%	93%
Greece			0%	0%	98%	98%	98%	99%	99%	99%	99%	100%
Cyprus											100%	100%
Malta											#DIV/0!	100%
Ex-Yug.	0%	41%	56%									
Slovenia				98%	99%	99%	99%	100%	100%	99%	99%	99%
Croatia				17%	39%	29%	27%	43%	40%	42%	48%	80%
Serbia & M.				50%	59%	74%	79%	84%	87%	90%	87%	89%
Bosnia-Herz.				100%	100%	100%	100%	96%	97%	100%	100%	100%
Macedonia					100%	100%	100%	100%	100%	100%	100%	100%
Albania	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	90%	96%
NMCs	18%	62%	67%	75%	85%	86%	87%	89%	90%	92%	94%	96%
Turkey			88%	97%	96%	98%	98%	98%	97%	97%	99%	100%
Israel	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%	81%
Palestine											100%	100%
Syria		0%	0%	0%	0%	0%	0%	0%	0%	0%	-14%	77%
Lebanon											100%	100%
Egypt	0%	0%	0%	0%	0%	0%	0%	-1%	-4%	-24%	-65%	-51%
Libya	-45%	-70%	-29%	-31%	-16%	-15%	-11%	-15%	-14%	-87%	-83%	-122%
Tunisia	0%	0%	52%	93%	31%	29%	31%	35%	35%	31%	41%	62%
Algeria	-110%	-97%	-209%	-223%	-298%	-293%	-279%	-287%	-285%	-297%	-299%	-240%
Morocco	0%	0%	-2%	0%	0%	0%	0%	0%	0%	93%	99%	99%
SEMCs	-73%	-72%	-88%	-74%	-76%	-64%	-57%	-48%	-46%	-53%	-51%	-38%
TOTAL	9%	37%	24%	27%	29%	34%	34%	38%	41%	39%	33%	33%
NMCs Imp	18%	62%	67%	75%	85%	86%	87%	89%	90%	92%	94%	96%
SEMCs Imp	0%	0%	76%	96%	64%	95%	87%	88%	83%	83%	91%	92%
SEMCs Exp	-79%	-76%	-115%	-114%	-124%	-120%	-105%	-105%	-101%	-120%	-142%	-138%

Source : OME

	Oil Dependency (in %)											
	1971	1980	1990	1995	2000	2001	2002	2003	2004	2005	2010	2020
Spain	100%	96%	94%	99%	100%	99%	100%	100%	100%	100%	99%	99%
France	98%	98%	96%	96%	98%	98%	98%	98%	99%	99%	100%	100%
Italy	98%	98%	97%	94%	95%	95%	93%	93%	93%	92%	93%	95%
Greece	100%	100%	93%	97%	98%	99%	99%	99%	99%	99%	99%	100%
Cyprus	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Malta	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Ex-Yug.	67%	73%	80%									
Slovenia				100%	100%	100%	100%	100%	100%	100%	100%	100%
Croatia				54%	66%	69%	71%	75%	75%	74%	79%	84%
Serbia & M.				43%	33%	66%	74%	78%	84%	85%	85%	85%
Bosnia-Herz.				100%	100%	100%	100%	100%	100%	100%	100%	100%
Macedonia				100%	100%	100%	100%	100%	100%	100%	100%	100%
Albania	-91%	-29%	-11%	16%	70%	72%	70%	100%	75%	75%	77%	79%
NMCs	96%	96%	94%	95%	96%	97%	96%	97%	97%	96%	97%	98%
Turkey	61%	86%	80%	88%	91%	91%	92%	92%	93%	92%	96%	99%
Israel	6%	100%	97%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Palestine												
Syria	-96%	-82%	-85%	-160%	-130%	-139%	-153%	-134%	-90%	-88%	-18%	57%
Lebanon	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Egypt	-140%	-163%	-105%	-111%	-45%	-42%	-34%	-40%	-20%	-17%	25%	59%
Libya	-20430%	-1909%	-667%	-504%	-451%	-438%	-395%	-448%	-501%	-582%	-713%	-1103%
Tunisia	-226%	-129%	-72%	-34%	1%	10%	9%	17%	17%	27%	85%	87%
Algeria	-1603%	-881%	-508%	-542%	-624%	-620%	-621%	-632%	-632%	-717%	-785%	-933%
Morocco	99%	100%	97%	100%	100%	100%	100%	100%	100%	100%	100%	100%
SEMCs	-549%	-225%	-105%	-99%	-81%	-80%	-77%	-83%	-83%	-98%	-68%	-70%
TOTAL	20%	39%	40%	37%	42%	45%	44%	43%	42%	36%	41%	34%
NMCs Imp	96%	96%	94%	95%	96%	97%	96%	97%	97%	96%	97%	98%
SEMCs Imp	51%	92%	87%	93%	89%	89%	90%	90%	90%	91%	97%	90%
SEMCs Exp	-1404%	-555%	-252%	-265%	-245%	-242%	-233%	-250%	-238%	-262%	-225%	-305%

Source : OME

Initial elements for Renewables

RE Installed Capacity in 2005 (MW)

	Total	Total	Global	calculé	Chauffe-eau		Solaire		Eolien		Géothermie		Biomasse		Other RE
	HYDRO MW	RE MW	Hydro+RE	RE MW	Foyers PV Nbre	Solaire m2 capteurs	PV MW	Therm. Sol MW	Electricité MW	Electricité MW	Electricité MW	Electricité MW	Electricité MW	Other RE MW	
Spain	18399	10378	28777	10066		697000	36	0	8933	0			1097		
France	26100	1500	27600	1027		547000	10	0	357	0			420	240	
Italy	20830	3998	24828	3915		400000	31	0	1600	648			1428	208	
Greece	3105	572	3677	495		3246000	1	0	470	0			24		
Cyprus		2	2	2		655000	2								
Malta	0	0	0	0											
Ex-Yug.	8650	0	8650	0											
Slovenia	882	30	912	30									30		
Croatia	2071	20	2091	6					6						
Serbia&M	2731	0	2731	0					0.26						
Bosnia-H.	2065		2065	0											
Macedonia	503		503	0											
Albania	500		500	0											
NMCS	77186	16500	93686	15541	0	5545000	80	0	11366	648			2999	448	
Turkey	12906	62	12968	135		1000000			20	15			100		
Israel	3	30	33	0											
PNA			0	0											
Syria	1528		1528	0											
Lebanon	276		276	0											
Egypt	2745	184	2929	183	4567	300000	2		145				36		
Libya		26	26	0	0	0			0	0					
Tunisia	63	24	87	20	11000	110000	1		19				0.1		
Algeria	275	1	276	1	1000		0.5		1						
Morocco	1729	54	1783	54	59800	60000	0.02		54						
SEMCS	19525	381	19905	393	76367	1470000	4	0	239	15			136	0	
TOTAL	96711	16881	113591	15935	76367	7015000	84	0	11605	663			3135	448	

Source: Eurelectric, AIE & OME

RE Installed Capacity in 2020 (MW)

	Total	Total	Global	calculé				Solaire			Eolien	Géothermie	Biomasse	Other RE
	HYDRO	RE	Hydro+RE	RE	Foyers PV	Chauffe-eau	PV centrale	Therm. Sol	Electricité	Electricité	Electricité	Electricité	Electricité	(Waves,..)
	MW	MW		MW	Nbre	m2 capteurs*	MW	MW	MW	MW	MW	MW	MW	MW
Spain	19921	22000	41921	22716		697000	216	0	19987				2513	
France	26100	12700	38800	12700		547000	10	0	10300				1600	790
Italy	21904	11086	32990	11549		400000	82	0	5900			830	4442	295
Greece	3965	1800	5765	1916		3246000	2	0	1800			90	24	
Cyprus		116	116	156		745000	6		150					
Malta			0	0										
Ex-Yug.	9600	0	9600	0										
Slovenia	992	30	1022	30									30	
Croatia	2100	30	2130	200										
Serbia&M	2800	30	2830	30										
Bosnia-H.	2065	5	2070	0										
Macedonia	510	1	511	0										
Albania	500	1	501	0										
#VALEUR!	80857	47799	128656	49297	0	5635000	316	0	38367		920	8609	1085	
Turkey	30795	3086	33881	3148		10000000			3000		48	100		
Israel	5	300	305	0										
PNA	0	0	0	0										
Syria	1700	0	1700	0										
Lebanon	276	0	276	0										
Egypt	2859	3784	6643	3785	12567	900000	9.5	75	3500				200	
Libya		511	511	503	1750	0	3.3		500				50	
Tunisia	63	1158	1221	1174	60000	1000000	24		1100				100	
Algeria	275	1909	2184	1909	20000	1000000	9	1700	100				100	
Morocco	1729	1132	2861	1132	300000	1000000	37.4	45	1000				50	
SEMGs	37702	11880	49582	11651	394317	4900000	83	1820	9200		48	500	0	
TOTAL	118559	59679	178238	60948	394317	10535000	399	1820	47567		968	9109	1085	

Source: Eurelectric, AIE & OME

(*) en rouge les valeurs =2005