

What happens with the data?

Joint Rosstat – IEA Energy statistics workshop

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International
Energy Agency

**What happens with data?
What and where are they published?**

- **Monthly oil**
- **JODI**
- **Monthly natural gas**
 - **Monthly Gas Statistics**
 - **Gas Trade Flows**
 - **GAS Jodi**

What are monthly oil data used for?

Internally

- **Market Analysis:** used internally for monthly oil market report, medium-term oil market review.
- **Monitoring of stock levels** - for example: IEA 90 days obligation
- **Energy security and emergency data** - for example: dependence on Libya crude oil imports, self sufficiency etc

Externally

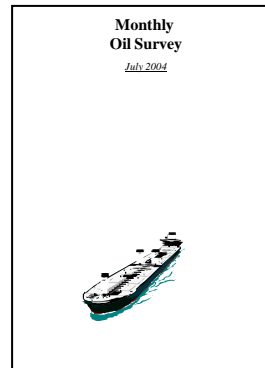
- **Data published in publications** – for example: Oil, Gas, Coal and Electricity Quarterly
- **Data published on website** – Monthly oil survey
- **Electronic databases made available** – for example: MODS

Analysis



Monthly Oil Market Report

IEA website



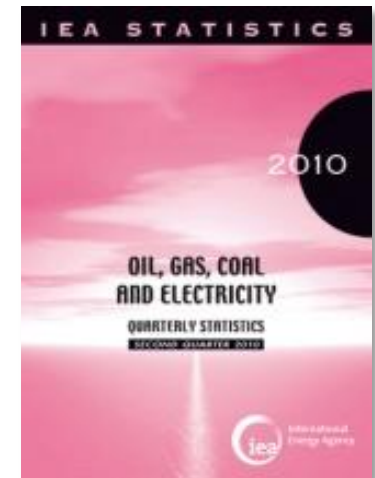
Monthly Oil Survey

Online data service

www.iea.org

Monthly Oil Data Service (MODS)

Publications



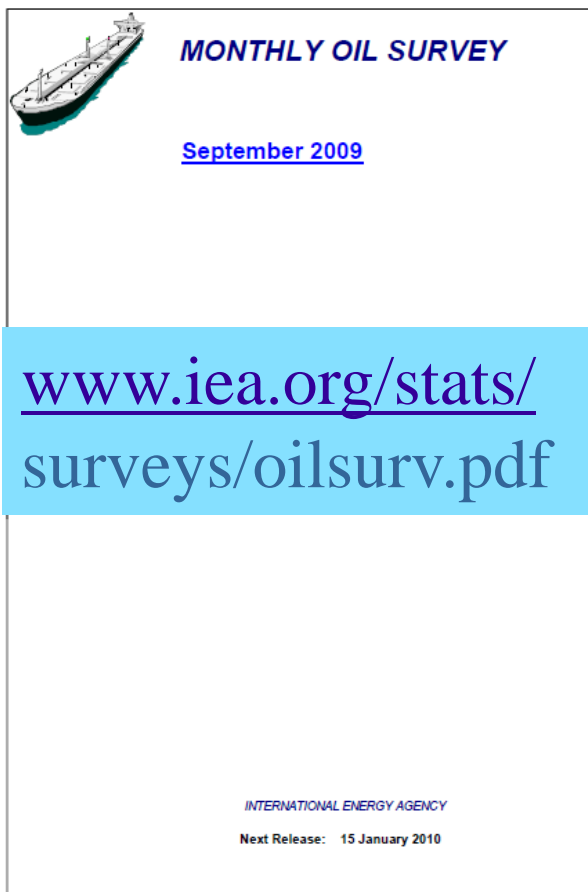
Quarterly data



Monthly report which provides analysis of latest global developments in the oil market:

- Supply
- Demand
- Trade
- Refineries
- Stocks
- Prices

The Monthly Oil Survey



For OECD, regions and some individual country data

- **Production**
- **Trade**
- **Refinery data**
- **Demand**
- **Stocks**

Data available in pdf and in Excel from the iea website

The Monthly Oil Data Service:

- ***Supply, Demand, Balances and Stocks:*** Historical monthly data for OECD countries and forecasts. Also quarterly non-OECD demand data and forecasts
- ***Trade:*** OECD imports from over 90 origins and exports to over 80 destinations for 21 products.
- ***Field by Field Supply :*** Monthly, quarterly and annual production, starting in 1993 and including the forecast period



An electronic data service

Find [X]

Categories: (1 found)

Field by Field Production
MODS Supply Demand Balances & Stocks
 MODS Trade

Files: (7 found)

Name	Type	Title
CRUDBAL	Table	Balance: Crude
NOECDDEM	Table	NON-OECD Demand
OECDDEM	Table	OECD Demand
PRODBAL	Table	Balance: Product
STOCKS	Table	Closing Stocks, thousand Barrels
SUMMARY	Table	Summary Table

Title

Directory: I:\B2020\MODS

Buttons: All, None, Search..., Clear, Summary..., OK, Cancel, Help...

**Different
Tables**



Beyond 20/20 Professional Browser - [Balance: Product (Read-only)]

File Edit View Dimension Item Window Help

PRODUCT

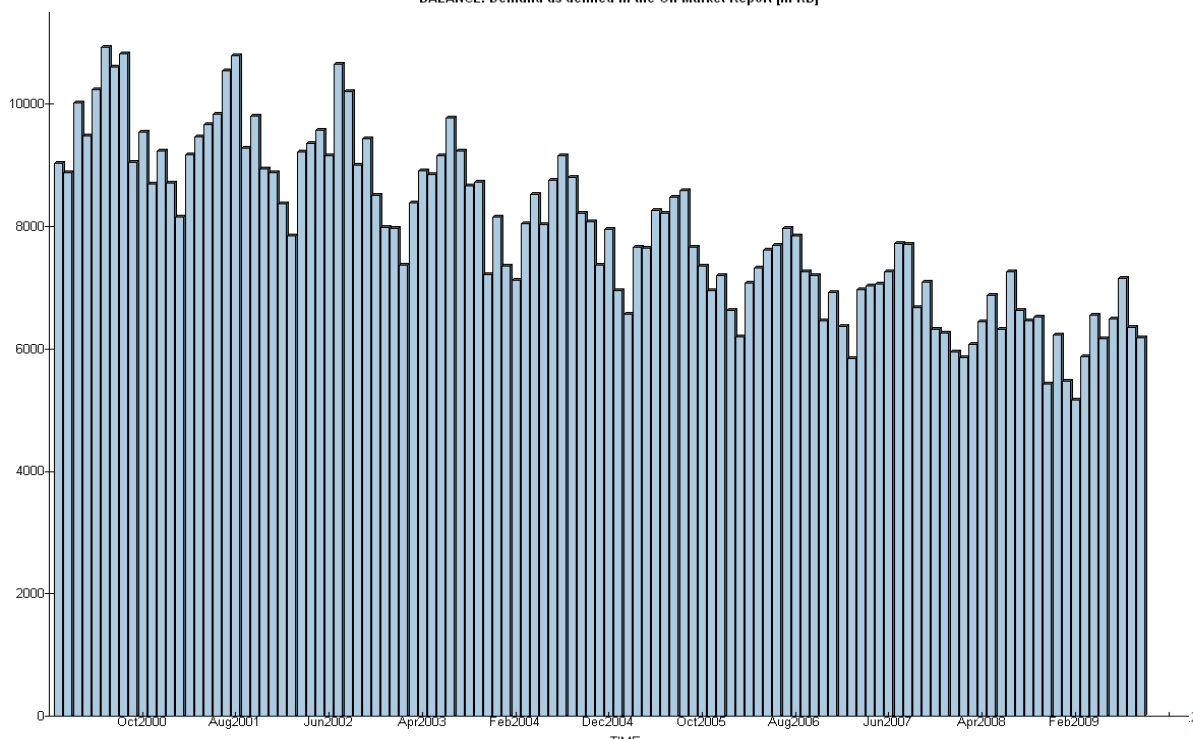
COUNTRY: France PRODUCT: Motor Gasoline

TIME	May2009	Jun2009	Jul2009	Aug2009	Sep2009	
BALANCE						
Refinery Gross Output [in KT]	1,553	1,476	1,505	1,380	1,267	
Refinery Gross Output [in KB]	13,123	12,472	12,717	11,661	10,706	
Refinery Fuel [in KT]	0	0	0	0	0	
Total Imports [in KT]	44	51	53	50	25	
Total Exports [in KT]	453	462	569	500	432	
International Marine Bunkers [in KT]	0	0	0	0	0	
Interproduct Transfers + Recycled + Primary Products Receipts [in KT]	50	61	70	48	61	
Stock Change (National Territory) [in KT]	118	103	-127	253	-123	
Statistical Difference [in KT]	347	256	341	-25	314	
Gross Inland Deliveries (Observed) [in KT]	729	767	845	750	730	
Inland Deliveries of Automotive Diesel and LPG [in KT]	0	0	0	0	0	
Primary Product Receipts [in KT]	19	60	69	17	60	
Gross Deliveries Adjustment for OMR [in KT]						
Backflows to Refineries [in KT]						
Backflow Adjustment for OMR [in KT]						
Demand as defined in the Oil Market Report [in KT]						
Demand as defined in the Oil Market Report [in KB]						
Opening stock level - National Territory [in KT]						
Closing stock level - National Territory [in KT]						
Closing Government stock level [in KT]						

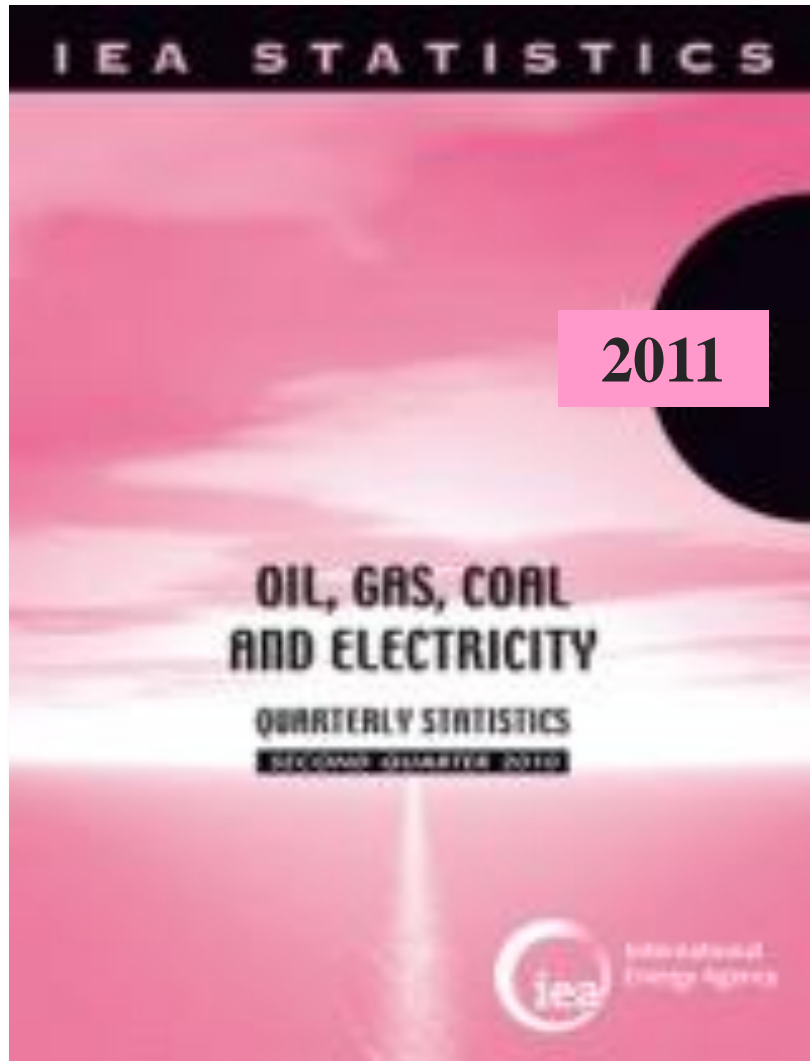
COUNTRY: France

PRODUCT: Motor Gasoline

BALANCE: Demand as defined in the Oil Market Report [in KB]



Quarterly Statistics



For OECD, regions and individual country data

- Oil Supply and Demand
- Production, trade, refinery intake and output, stock changes, levels and consumption for major oil products.
- Detailed trade data by origin and destination
- Gas Supply and Demand
- Detailed trade data by origin and destination

➤ Data available in paper publication only!

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■ IEA website: all IEA/OECD countries

- Only production, demand, closing stock levels and stock changes

- <http://www.iea.org/stats/tables.asp>

■ IEF website : world including IEA/OECD countries

- Production, trade, demand, closing stock levels and stock changes

- <http://www.jodidata.org/>

JODI database online

Beyond 20/20 WDS - Table View - Windows Internet Explorer

http://www.iea.org/WDS6/TableViewer/tableView.aspx

File Edit View Favorites Tools Help

Beyond 20/20 WDS - Table View

Beyond 20/20 WEB DATA SERVER English

Reports Oil Data Transparency Help

Actions

OTHER:	TIME - Oct2009	Country - France	Submission - First submission (KT)			
Product	Crude Oil	Liquid Petroleum Gases	Motorgasoline (incl. aviation gasoline)	Kerosene (incl. jetkero/other kero)	Gas/Diesel Oil	Residual Fuel Oil
Flow	↑↓	↑↓	↑↓	↑↓	↑↓	↑↓
Production	76	172	1,209	314	2,590	70
Demand	5,653	240	717	576	4,244	48
Closing Stock Levels	7,492	131	1,900	1,176	8,822	1,40
Stock Change	72	17	-39	41	-76	-12

Available from the IEA website

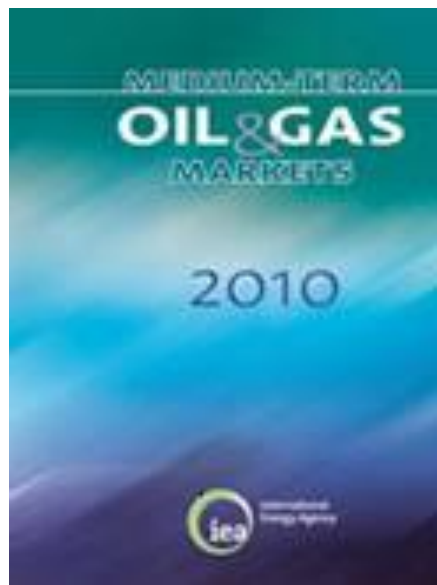
Joint Rosstat – IEA Energy statistics workshop – 14-17 February 2012

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IEA website



Publications



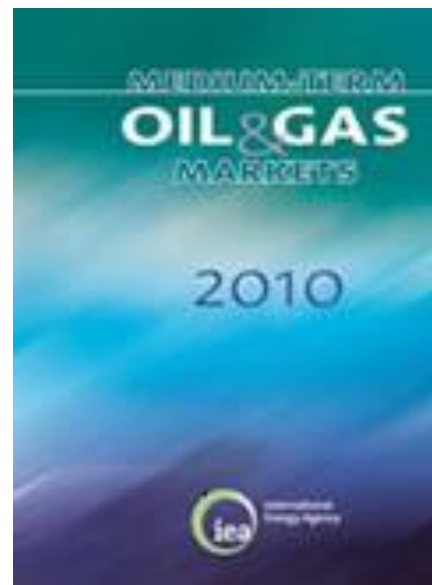
Online data service

Quarterly data

www.iea.org

**Monthly Gas Data
Service (MGDS)**

Mid-term Oil and Gas market review



World Energy Outlook



Our future: A golden age for natural gas?

29 March 2011

IEA analysis looks at the rapid growth in supply of 'unconventional' gas and liquefied natural gas

Back in 2006, a handful of energy experts met on the fringes of the World Gas Conference to discuss the challenges of increasing output of 'unconventional' gas. Three years later the same subject was discussed at the same event, but this time the speakers found themselves at the heart of the conference and with a capacity crowd to contend with. [read more...](#)

The Monthly Gas Survey



MONTHLY NATURAL GAS SURVEY

September 2009

www.iea.org/stats/surveys/natgas.pdf

INTERNATIONAL ENERGY AGENCY

Next Release: 15 January 2010

For OECD, regions and some individual country data

- **Balance**
- **Imports**
- **Exports**

Data available in pdf and in Excel

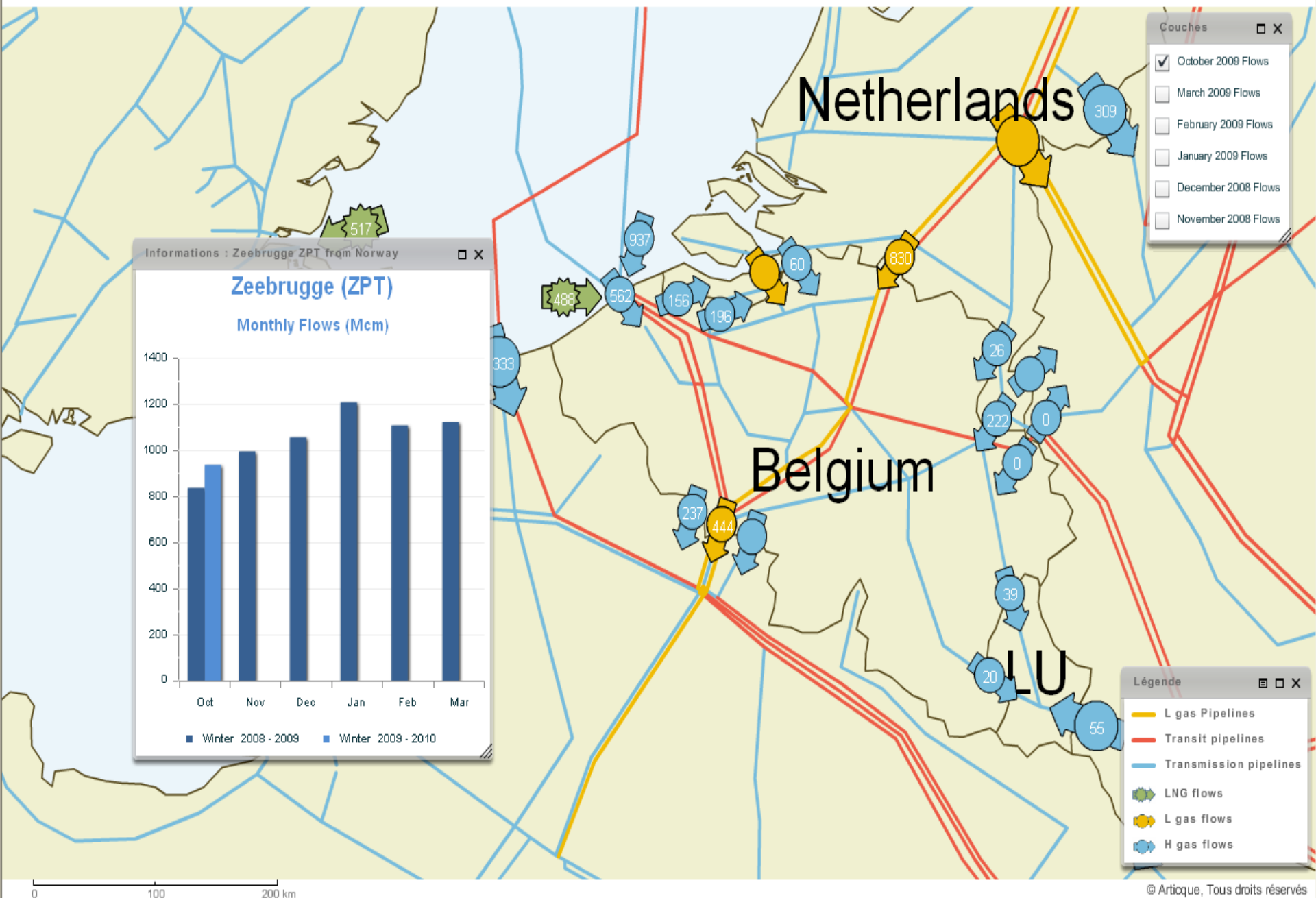
Monthly Gas Trade Flows Project

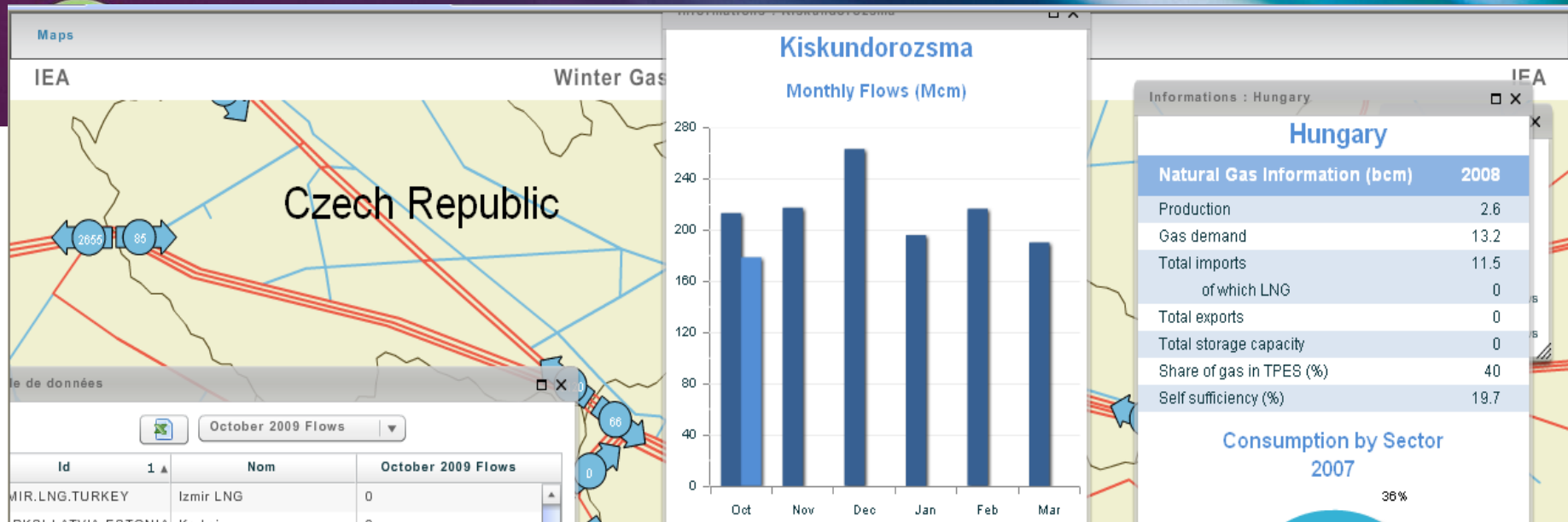
General Information on Entry/Exit points for gas Import, export and transit							Observed Flows						
Italy	Location	To system	From country	To country	Max flow (Mcm/h)	April 2006		May 2006		June 2006			
						Mcm*	Terajoules	Mcm*	Terajoules	Mcm*	Terajoules		
Imports	Griespass	TRANSITGAS	SNAM RETE GAS	Switzerland	Italy	2.63	1508	57455	1478	56311.8	1289	49111	
	Panigaglia	LNG vessels	SNAM RETE GAS	Algeria	Italy	0.54	288	10973	315	12002	281	10706	
	Mazara del Vallo	TPMC	SNAM RETE GAS	Algeria	Italy	3.73	2263	86220	1703	64884	1850	70485	
	Gela	Greenstream	SNAM RETE GAS	Libya	Italy	1.25	620	23622	584	22250	692	26365	
	Gorizia	Geoplin plinovodi	SNAM RETE GAS	Slovenia	Italy	0.2	23	876	29	1105	28	1067	
	Tarvisio	TAG	SNAM RETE GAS	Austria	Italy	4.69	2250	85725	1909	72733	1528	58217	
	Others (Falconara + Casalborsetti)*	Croatia off-shore gas fields	SNAM RETE GAS	Croatia	Italy	0.67	92	3505	115	4382	120	4572	
	Total					13.71	7043	268338	6133	233667	5788	220523	
Exports	Griespass	SNAM RETE GAS	TRANSITGAS	Italy	Switzerland	0.21							
	Gorizia	SNAM RETE GAS	Geoplin plinovodi	Italy	Croatia by Slovenia	0.18	27.0	1028	27.9	1064	25.8	984	
	Tarvisio	SNAM RETE GAS	TAG	Italy	Austria	0.37							
	Bizzarone (Como)	SNAM RETE GAS	Local Swiss network	Italy	Switzerland	0.05	5.1	193	3.0	113	2.1	79	
	Total					32.0	1221	30.9	1177	27.9	1063		
rought the y SNAM	Entry Point	Exit Point	From system	To system	From country	To country	Max flow (Mcm/h)	April 2006		May 2006		June 2006	
								Mcm*	Terajoules	Mcm*	Terajoules	Mcm*	Terajoules
	Mazara del Vallo	Gorizia	TPMC	Geoplin plinovodi	Algeria	Slovenia	3.73	33.9	1291	25.2	961	29.3	1116

To improve transparency in the European gas market, the IEA has been collecting monthly gas flow data on an entry and exit point basis (physical flows) for winter and has made it available on an interactive map.

Clicking on border points and countries will show additional gas information. You can also explore other options as provided by the software, for example the full screen mode by clicking at the bottom of the map on

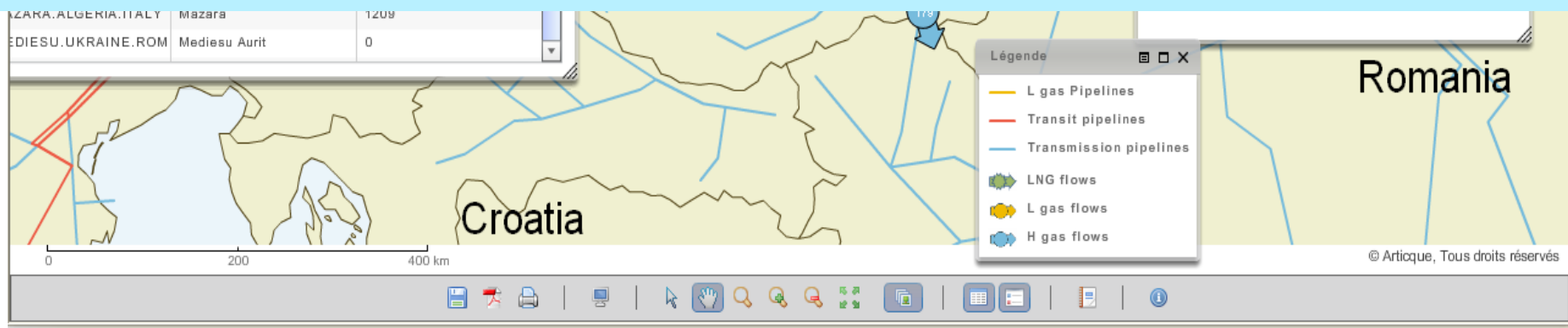




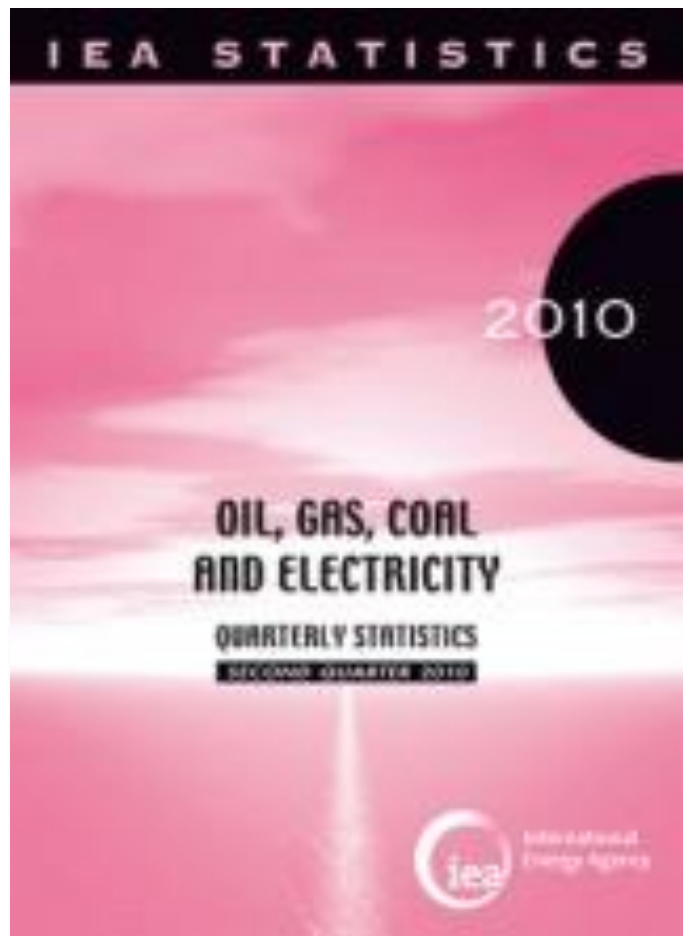


Free on the iea website:

<http://www.iea.org/gtf/index.asp>



Quarterly Statistics



For OECD, regions and individual country data

- Gas Supply and Demand in cu m
- Detailed trade data by origin and destination

➤ Data available in paper publication only!

The Monthly Gas Data Service:

- supply balances from Jan 1984
- production, trade, stock changes and levels where available, gross inland deliveries, own use and losses,
- highly detailed trade data,
- LNG trade detail from January 2002.

Data in cu m and TJ

Natural Gas Balance (Read-only)									
NATURAL GAS: Unit - Million Cubic Meters		COUNTRY: France							
TIME	Feb2009	Mar2009	Apr2009	May2009	Jun2009	Jul2009	Aug2009	Sep2009	
BALANCE									
Indigenous Production	75	80	78	80	72	72	72	74	
Total Imports	3,659	4,121	3,992	3,856	3,499	3,580	3,043	3,049	
Memo: Imports of Liquefied Natural Gas	673	916	799	804	741	690	709	631	
Total Exports	171	183	183	180	93	0	0	0	
Memo: Exports of Liquefied Natural Gas	0	0	0	0	0	0	0	0	
Stock Change (National Territory)	-2,246	-989	1,062	1,778	1,821	2,095	1,674	1,462	
Gross Inland Deliveries (Calculated)	5,809	5,007	2,825	1,978	1,657	1,557	1,441	1,661	
Statistical Difference	0	124	17	0	0	0	4	115	
Gross Inland Deliveries (Observed)	5,809	5,007	2,825	1,978	1,657	1,557	1,441	1,661	
Own Use and Losses	0	0	0	0	0	0	0	0	
Opening Stock Level - National Territory	12,110	10,424	10,424	12,202	14,020	10,110	11,702	10,204	
Closing Stock Level - National Territory	10,301	9,302	10,424	12,202	14,020	10,110	11,702	10,204	

An electronic data service

GAS JODI - monthly gas data for M-1

■ New project – data will be made available soon

GAS JODI OECD				
Table 10: SUPPLY OF NATURAL GAS				
	Country	Country Name		
	Month of data	Data month		
		Natural Gas Million cubic metres	Natural Gas Terajoules	Natural Gas Gross Calorific Value calculated
		A	B	C
1	Indigenous Production	1	0	0
2	Imports ¹	2	0	0
3	Exports ²	3	0	0
4	Stock Change ³	4	0	0
5	Gross Inland Deliveries (Calculated)	5	0	0
6	Statistical Difference	6	0	0
7	Gross Inland Deliveries Observed	7	0	0
8	Opening level of stocks held on national territory ⁴	8	0	0
9	Closing level of stocks held on national territory	9	0	0
10	Own use and losses of the natural gas industry	10	0	0
11	Deliveries to Power Generation	11	0	0
<p>1. Line 2 should correspond to Total Imports for cubic metres (reference A68) and for terajoules (reference C68) in Table 11.</p> <p>2. Line 3 should correspond to Total Exports for cubic metres (reference A52) and for terajoules (reference C52) in Table 12.</p> <p>3. Line 4 should be equal to closing stock level (line 9) minus opening stock level (line 8) for cubic metres and for terajoules.</p> <p>4. Opening level of stocks (line 8) should be equal to closing level of previous month.</p> <p>5. Deliveries to Power Generation shouldn't be greater than the Gross Inland Deliveries Observed.</p>				

OK
OK
OK
OK
OK
OK
OK

Thank you !
Questions welcome