

# Natural gas data collection at the IEA

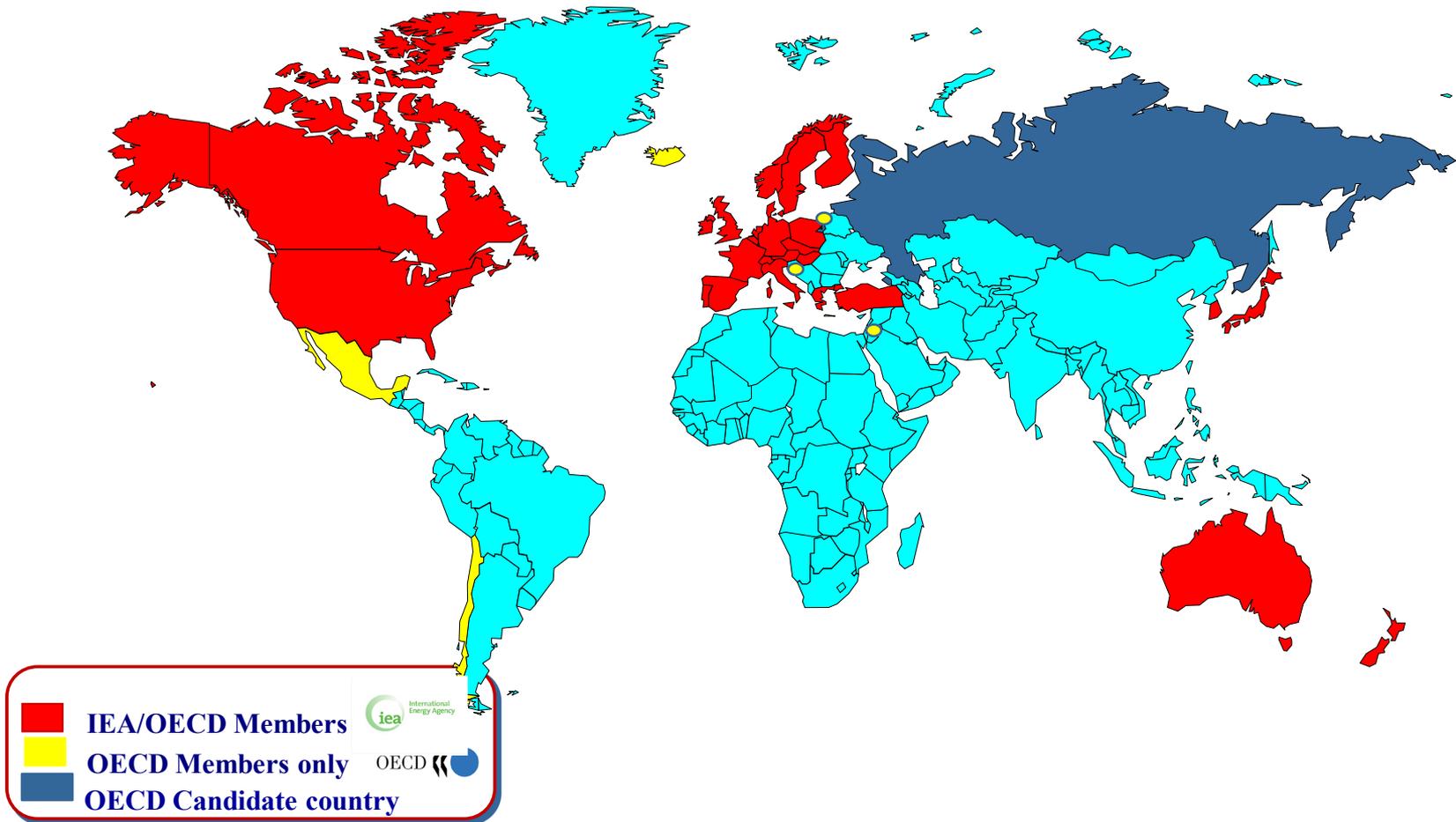
**Mieke Reece**  
*Energy Statistics Division*



# IEA – Natural gas data collection

- Annual data through the Joint Annual Natural Gas Questionnaire ( joint with Eurostat and UNECE)
- Monthly data through the MOS
- Monthly European gas trade flows
- Gas JODI: Monthly M-1 data - an exercise since October 2009

# Coverage : 34 IEA/OECD countries + 1



Gas data transparency conference, 26 October 2010, Moscow, Russia

# Annual Natural Gas Data

## ❖ Supply of Natural Gas

- Production
- Imports
- Exports
- Stock changes
- Consumption
- Stock levels

## ❖ Consumption

- Consumption by sector:
  - Transformation, Energy
  - Final consumption – Transport, Industry, Other

## ❖ Imports by Origin

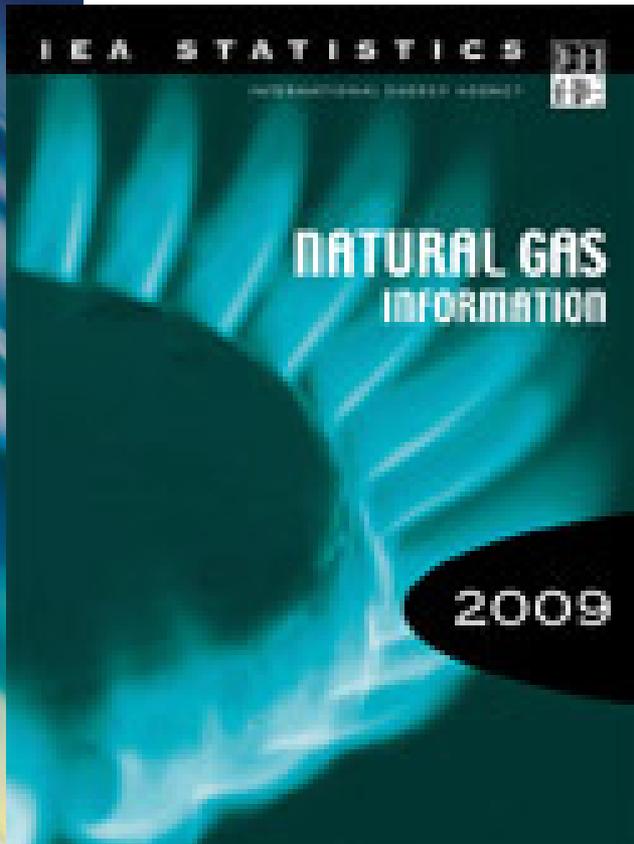
- Pipeline – LNG

## ❖ Exports by Destination

- Pipeline – LNG

## ❖ Gas Storage Capacity

# Natural Gas Information



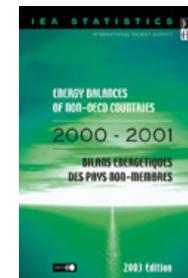
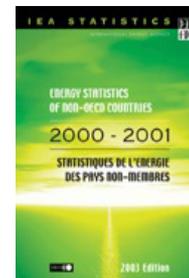
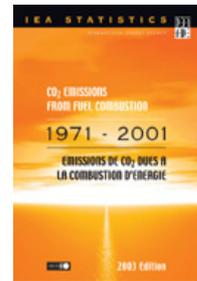
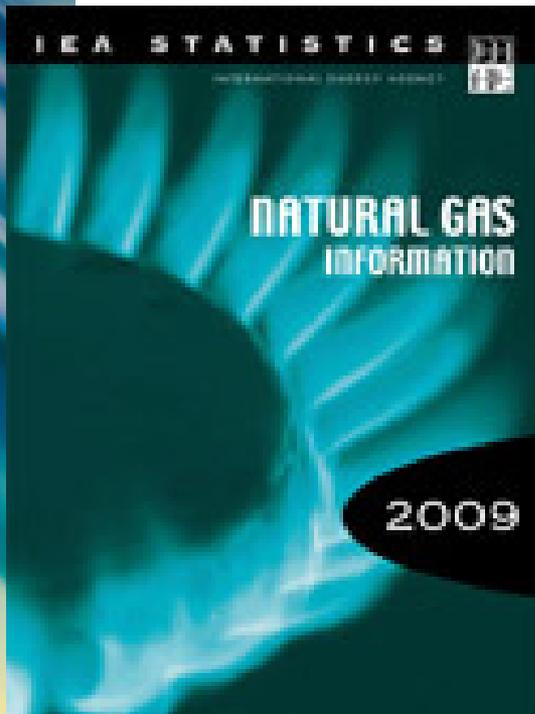
For OECD, regions, individual country data and some key World data

- ▶ Gas Supply and Demand
- ▶ Key data on world production, trade for LNG and pipeline gas, prices and consumption
- ▶ Detailed gas supply, demand, trade, production and consumption by end-user for each OECD country

Data available in publication and electronic format

# Use of annual natural gas data

## Annual Data



Data also available electronically on IEA website

# Monthly Natural Gas Data (MOS)

- ❖ **Supply of Natural Gas**
  - **Production**
  - **Imports**
  - **Exports**
  - **Stock changes**
  - **Consumption**
  - **Stock levels**
- ❖ **Imports by Origin**
  - **Pipeline – LNG**
- ❖ **Exports by Destination**
  - **Pipeline – LNG**

# Monthly Gas Survey



*MONTHLY NATURAL GAS SURVEY*

September 2009

[www.iea.org/stats/surveys/natgas.pdf](http://www.iea.org/stats/surveys/natgas.pdf)

INTERNATIONAL ENERGY AGENCY

Next Release: 15 January 2010

For OECD, regions and some individual country data

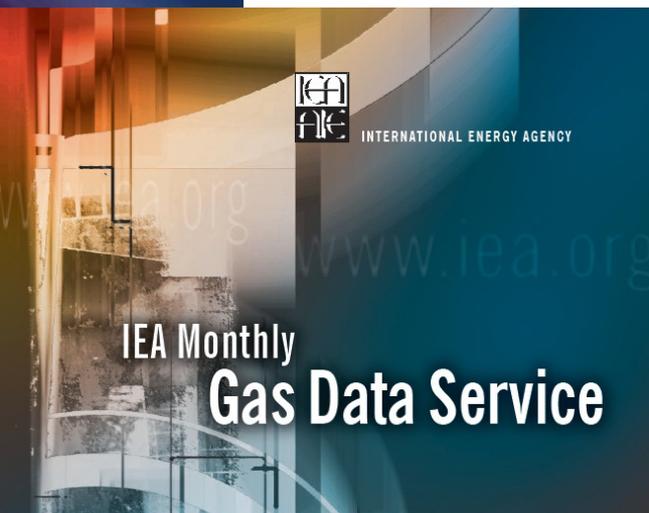
- ▶ Balance
- ▶ Imports
- ▶ Exports

Data available in pdf and Excel

# Monthly Gas data

For OECD, regions and individual country data

- ▶ supply balances,
- ▶ production, trade, stock changes and levels where available,



## Natural Gas Balance (Read-only)

NATURAL GAS: Unit - Million Cubic Meters		COUNTRY: France								
TIME	Feb2009	Mar2009	Apr2009	May2009	Jun2009	Jul2009	Aug2009	Sep2009		
<b>BALANCE</b>										
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	68	-124	-17	-39	-5	-30	-1	-415		
Gross Inland Deliveries (Observed)	5,741	5,131	2,842	2,017	1,662	1,587	1,442	2,076		
Own Use and Losses	48	48	46	47	39	28	30	135		
Opening Stock Level - National Territory	12,597	10,351	9,362	10,424	12,202	14,023	16,118	17,792		
Closing Stock Level - National Territory	10,351	9,362	10,424	12,202	14,023	16,118	17,792	19,254		

Gas data transparency conference, 26 October 2010, Moscow, Russia

# Quarterly Gas data



**For OECD, regions and individual country data**

- ▶ **Gas Supply and Demand**
- ▶ **Production, trade, stock changes, levels and consumption.**
- ▶ **Detailed trade data by origin and destination**
- ▶ **Data available in publication only.**

# Monthly European Gas Trade Flows

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 + Casalborette)*	Croatia off-shore gas fields	SNAM RETE GAS	Croatia	Italy	0.67	92	3505	115	4382	120	4572	
	<b>Total</b>						<b>13.71</b>	<b>7043</b>	<b>268338</b>	<b>6133</b>	<b>233667</b>	<b>5788</b>	<b>220523</b>
Exports	Griespass	SNAM RETE GAS	TRANSITGAS	Italy	Switzerland	0.21							
	Gorizia	SNAM RETE GAS	Geoplin plinovodi	Italy	Slovenia	0.18	27.0	1028	27.9	1064	25.8	984	
	Tarvisio	SNAM RETE GAS	TAG	Italy	Austria	0.37							
	Bizzarone (Forno)	SNAM RETE GAS	Local Swiss network	Italy	Switzerland	0.05	5.1	193	3.0	113	2.1	79	
	<b>Total</b>						<b>32.0</b>	<b>1221</b>	<b>30.9</b>	<b>1177</b>	<b>27.9</b>	<b>1063</b>	
Brought the by 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

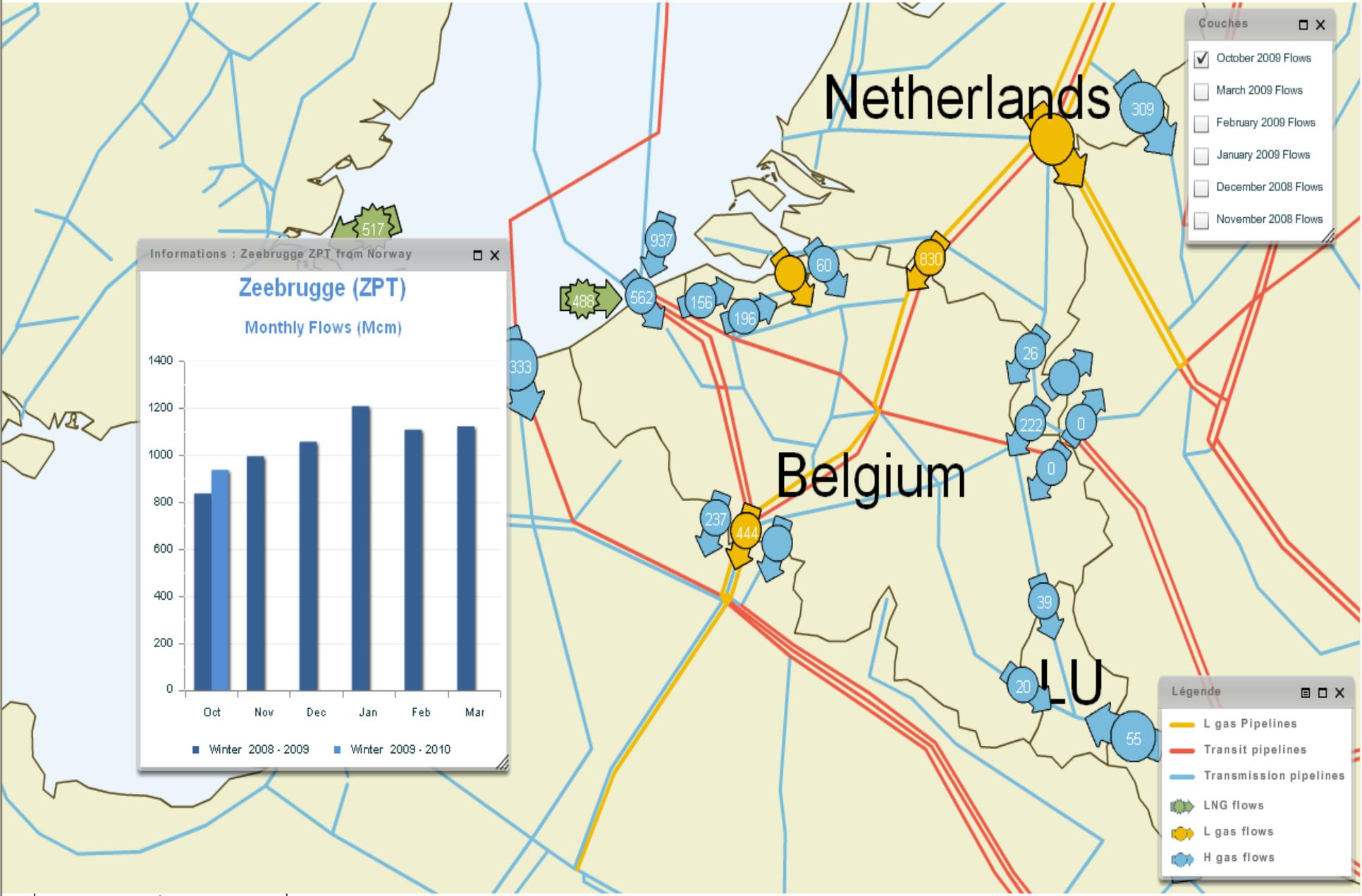
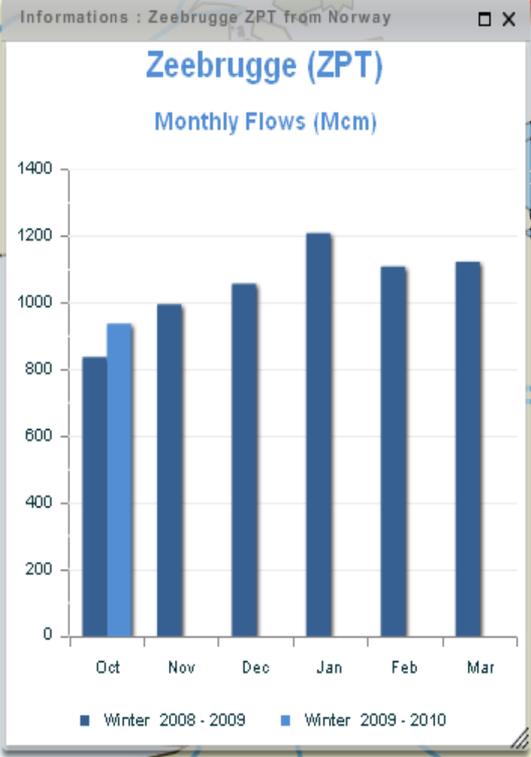
**Entry**

**Exit**

**Monthly Data**

Couches

- October 2009 Flows
- March 2009 Flows
- February 2009 Flows
- January 2009 Flows
- December 2008 Flows
- November 2008 Flows



Légende

- L gas Pipelines
- Transit pipelines
- Transmission pipelines
- LNG flows
- L gas flows
- H gas flows

0 100 200 km



# Monthly and quarterly Prices



- end-use prices and taxes
  - selected oil products, coal, natural gas and electricity
  - households, elec. gen. and industry
- import prices

**Thank you !**