

# PANEL SESSION 1 GLOBALISATION OF THE NATURAL GAS MARKETS

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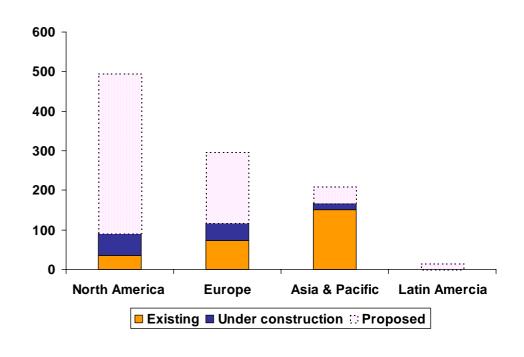
## SOME OF THE FACTORS THAT HAVE CONTRIBUTED TO DEVELOP SHORT TERM GAS TRADING

# AFTER THE US AND UK MARKETS LIBERALIZATION OF THE EUROPEAN GAS MARKETS



- Increasing number of players, new role of utilities (gas in power generation..)
- Newcomers seeking to have direct access to gas supplies from producers

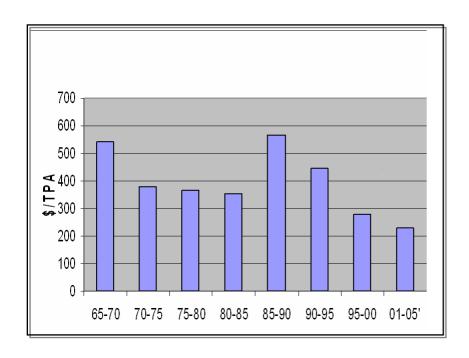
## THE MULTIPLICATION THE ENTRY POINTS



- More regas capacity available throughout all of the markets,
- Access to some markets not a constraint anymore,

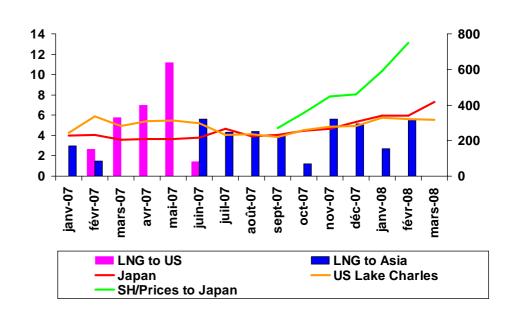


#### LIQUEFACTION AND SHIPPING EPC COST DECREASE IN THE 90'S



- Economic attractiveness of LNG Chain
- New developments in facilities and shipping not totally committed

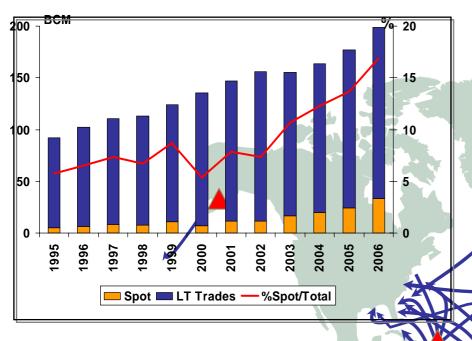
#### PRICE DIFFERENTIALS BETWEEN MARKETS



- US call on LNG
- Some regional supply disruptions,
- Competitiveness of LNG vs alternative fuels in a high oil price environment.



## GROWING ARBITRAGE OPTIONS AND A SIGNIFICANT INCREASE IN LNG VOLUMES DEDICATED TO SHORT TERM TRADING



ВСМ	America	Middle East	Africa	Asia & Pacific
America	11.98	0.08	6.41	-
Europe	3.76	6.36	47.30	-
Asia & Pacific	2.23	43.27	4.24	85.45
Total Exports	17.97	49.71	57.95	85.45

- Large number of routes linking the three markets
- Spot volumes are still marginal.



• Interactions between markets exist, but regulatory, operational and technical constraints constitute major obstacles to a real global market among which:

- ✓ Gas quality,
- ✓ Regas terminals characteristics,
- ✓ Access rules/Utilisation rules
- ✓ Etc,...

 Within Europe, the lack of interconnection between country members and the regulatory differences are major constraints for emergence of a real single gas market,

TODAY INCREASED MARKETS LINKAGE RATHER
THAN FULL GLOBALISATION OF NG MARKET



- Globalisation means a large number of:
  - Sources
  - Outlets
    - **⇔Globalisation results in energy security**
- Globalisation also <u>needs</u> security of demand
  - Removal of regulatory constraints for market access
  - Establishment of clear rules of infrastructure development, utilisation and management of excess capacity
  - Non discriminatory right of establishment



- Gas industry is capital-intensive
  - ⇒The current financial and economical crisis could modify the strategy of some actors who could be forced to avoid any speculative investments, and as a consequence reduce the LNG volume dedicated to short term trade.
- Pricing issues : Oil index or gas index?
  - ⇒There is no international market reference. HH index which once was considered as a potential world price reference is today disconnected from other markets.
- Price volatility cannot be compatible with long term development of the gas industry.



#### Gas markets are

✓ today and for some long time to go dominated by long term
contracts

#### SECURITY OF SUPPLY + SECURITY OF DEMAND

✓ Dominated by regional and illiquid markets with a trend towards greater linkage/globalisation

**NECESSARY PROCESS BUT STILL A LONG WAY TO GO.** 



# THANK YOU FOR YOUR ATTENTION