NATURAL GAS TRANSPARENCY: BANK VIEWPOINT

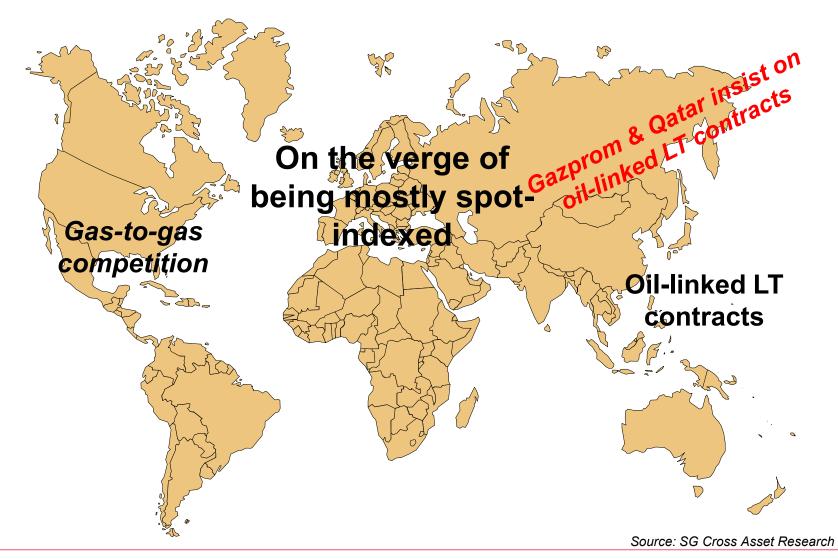
IEF – DOHA – QATAR – 22-23 MAY 2012

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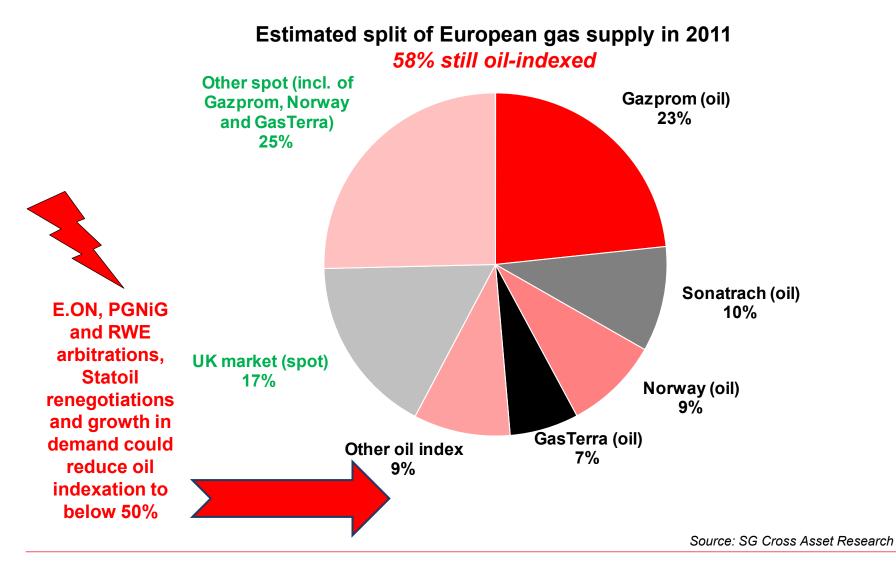


WHY UP-TO-DATE DATA?





EUROPEAN SUPPLY: ON THE VERGE OF BEING MOSTLY SPOT-INDEXED?

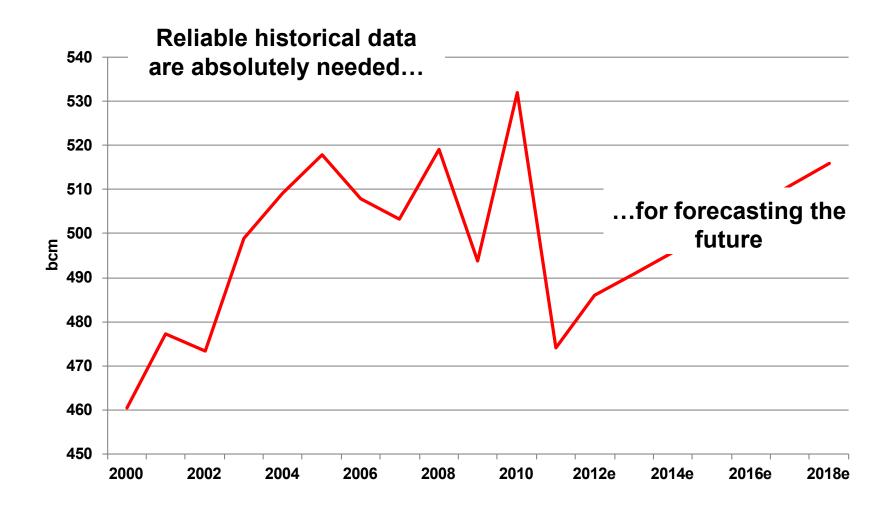


Price discovery mechanism established by market placeThe only signal given by a market is the price

The more transparent the market, the better the signalData transparency must become a standard



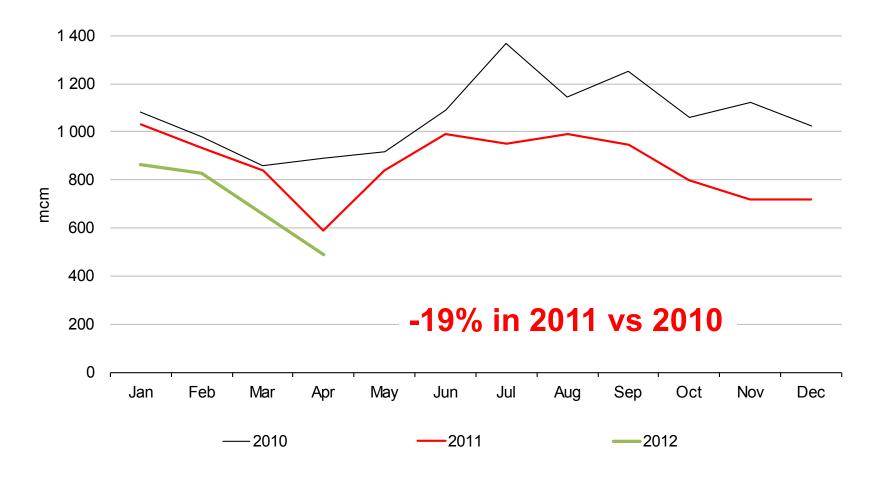
EUROPEAN GAS DEMAND



Source: IEA for historical data, SG Cross Asset Research estimates



GAS FOR ELECTRICITY PRODUCTION IN SPAIN

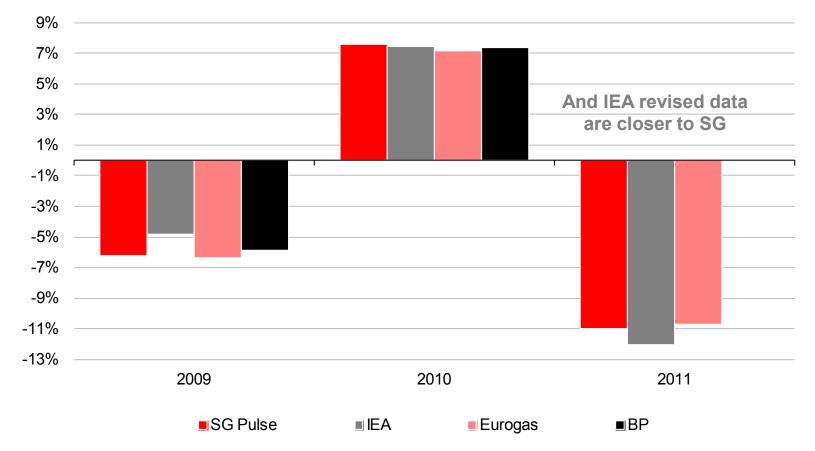


Source: SG Cross Asset Research, Enagas



SG GAS PULSE, A LEADING INDICATOR FOR EUROPE

Initial yoy estimates



Source: SG Cross Asset Research, IEA, Eurogas, BP Statistical Review



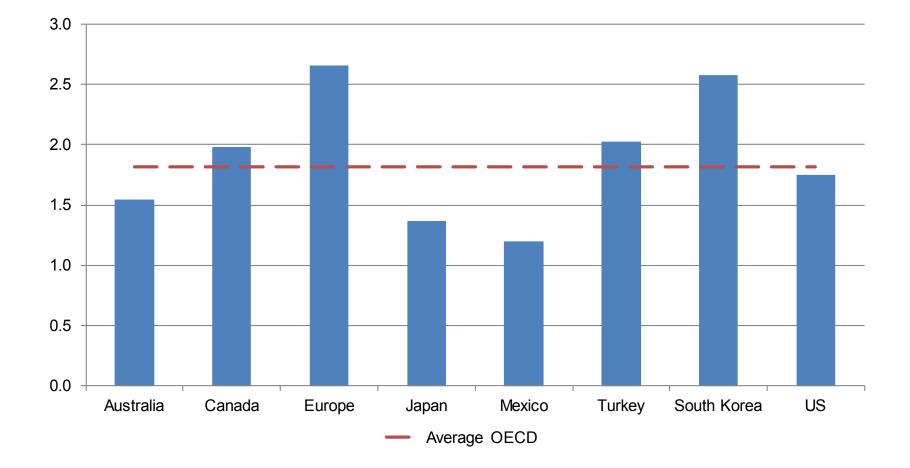
Household customers represent 1/3 of total demand

- Demand is highly seasonal
- Demand is weather dependent
- Swings in production

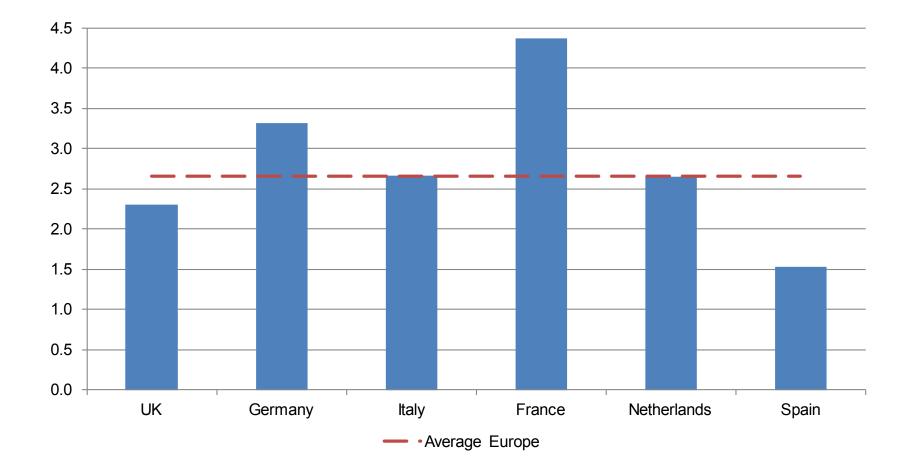
Importance of storage



OECD DEMAND SEASONALITY (HIGH DEMAND MONTH / LOW DEMAND MONTH)



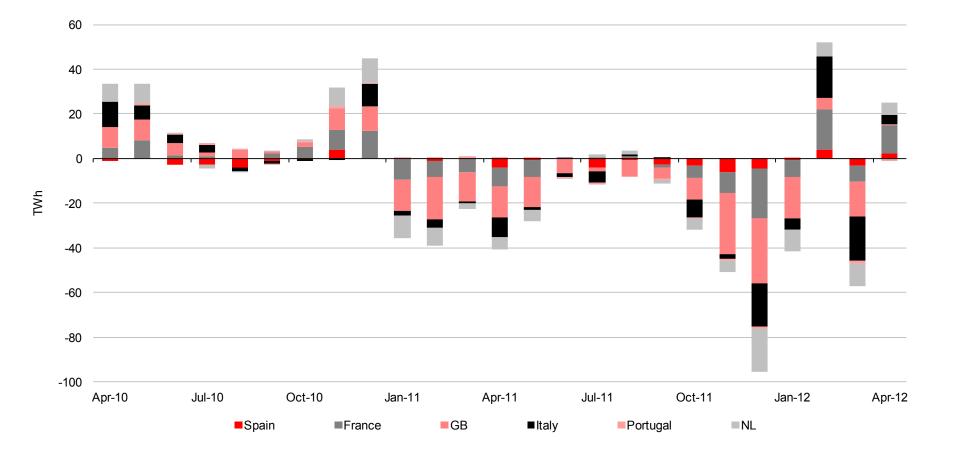




Source: SG Cross Asset Research, IEA

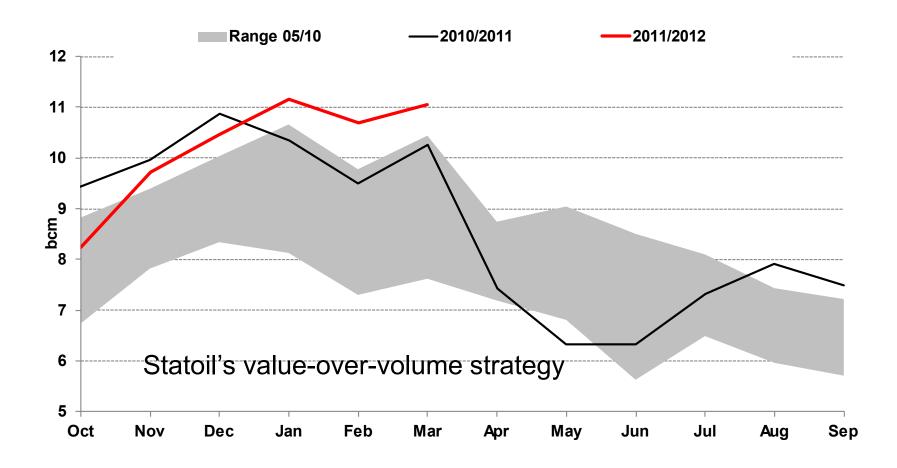


SG GAS PULSE: -1.8% IN JAN-APR 12 VS JAN-APR 11



Source: SG Cross Asset Research, GRT Gaz, TIGF, National Grid, Enagas, REN, Snam Rete Gas, GTS Netherlands





Source: Norwegian Petroleum Directorate, SG Cross Asset Research



MONTHLY (M-1) DATA NEEDED

Demand – COMPULSORY

• Gas for electricity production when available

Pipeline flow data – COMPULSORY (REGULATED / MONOPOLY)

Storage – COMPULSORY (REGULATED / MONOPOLY)

Trade flow data – A MUST FOR JODI

Gas production from major field

Liquefaction by train

Complete maintenance schedule published further in advance

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IDENTIFYING EXCELLENCE

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#1 Index Analysis

10 sector teams in the Top 10