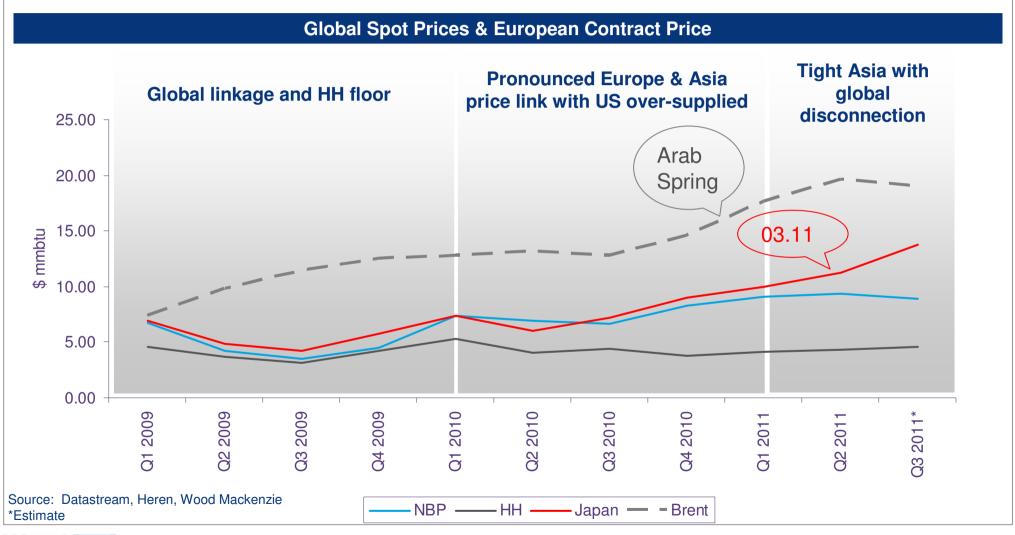




### Global spot prices are "disconnected" - with Asia prices close to oil parity





### Europe is being influenced by a number of external factors including

#### The "Arab Spring"

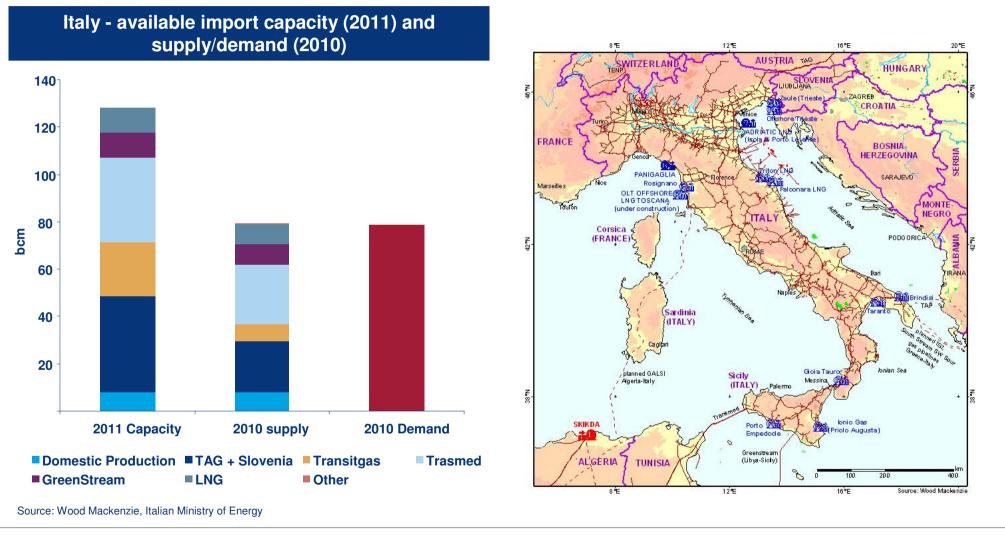
- Libya impact in Italy and Europe
- Other North African and Middle Eastern issues

#### > Pacific Basin and LNG dynamics

- Demand in Japan post Fukushima
- Pacific Basin demand and lack of proximate supply
- Qatar behaviour
- Increased shipping rates

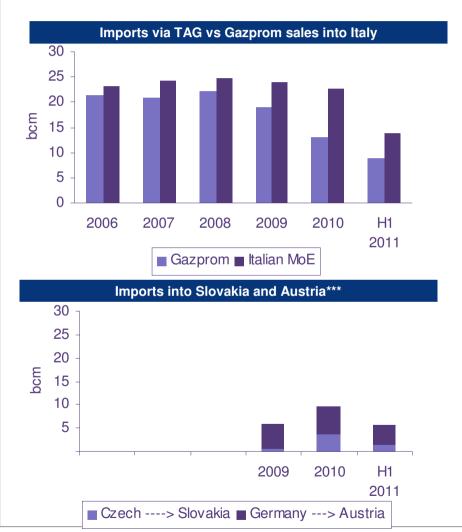


## The Libyan civil war has removed 10bcm of Italian pipe import capacity but the market is well supplied – production is expected to resume before end of 2011





### Is GreenStream resumption going to have an effect on Europe?





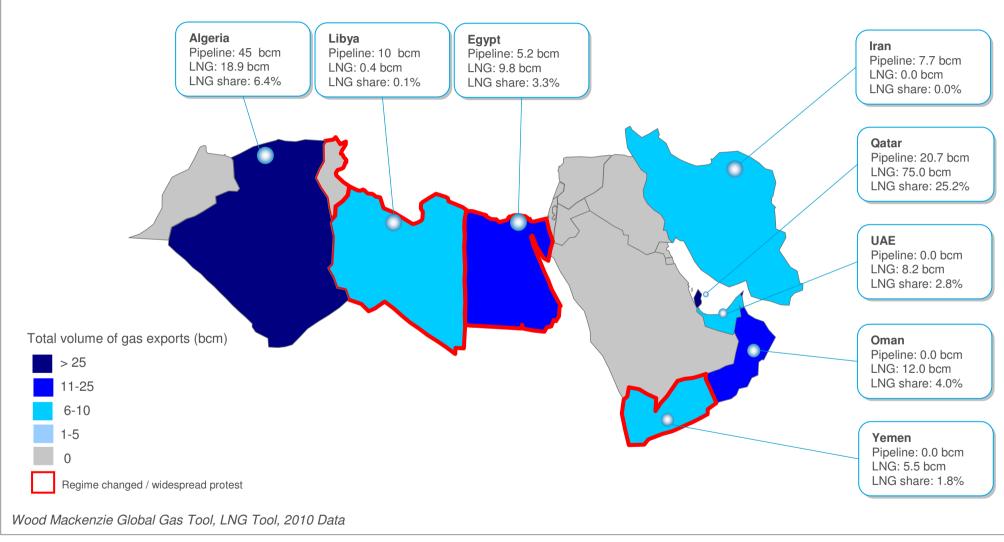


Source: Wood Mackenzie, Italian Ministry of Energy, IEA, Gazprom

<sup>\*</sup> Some flows are related to existing contracts flowing eastbound to Austria and Slovakia

<sup>\*\*</sup> No data available prior to 2009

# The major effect of the "Arab Spring" on the gas market has been via the increase in the oil price – however there could be additional risks



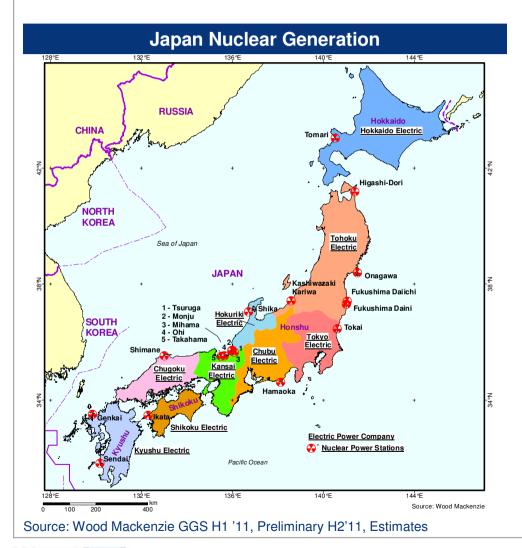


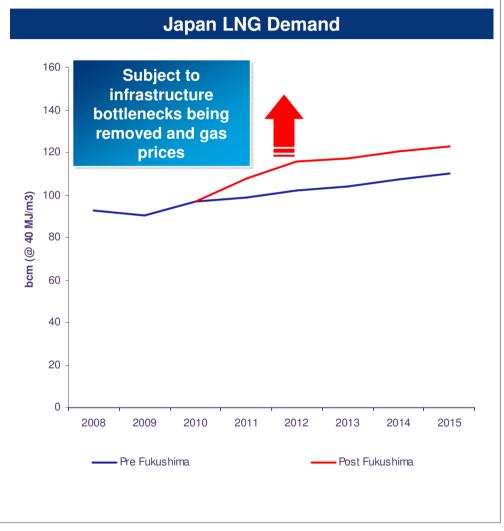
### Europe is being influenced by a number of external factors including

- > The "Arab Spring"
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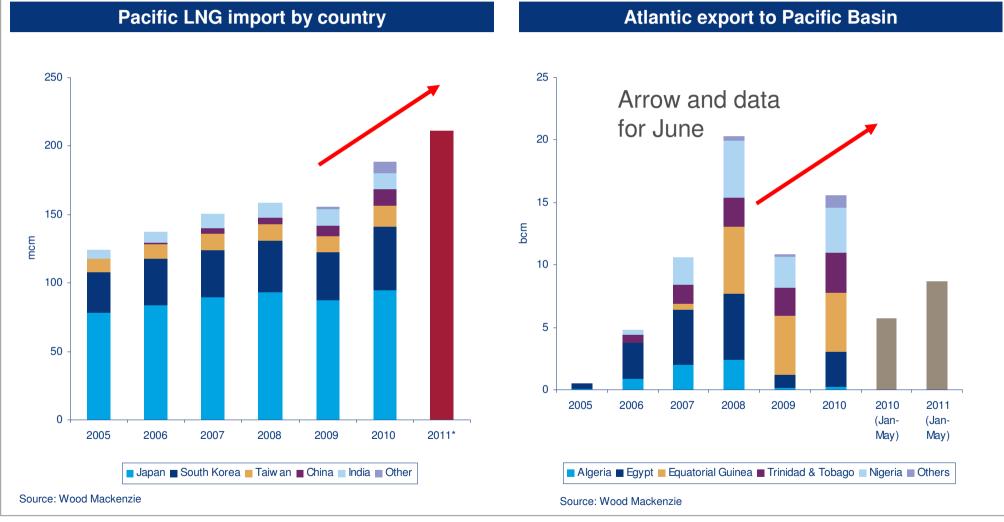
# Ongoing nuclear uncertainty in Japan presents further upside potential – however infrastructure constraints and gas vs oil prices could limit it





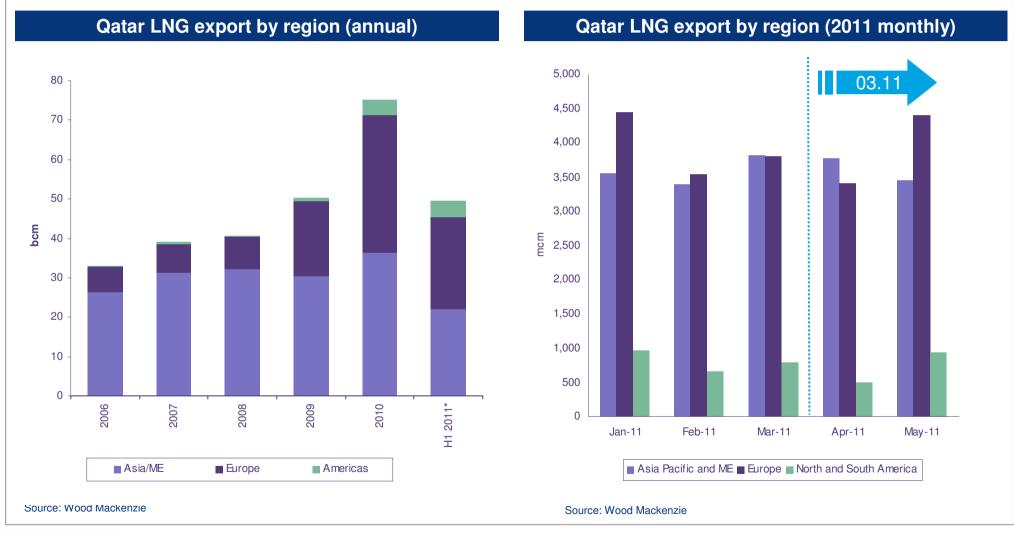


### The Pacific requires increasing quantities of remote LNG to satisfy demand...



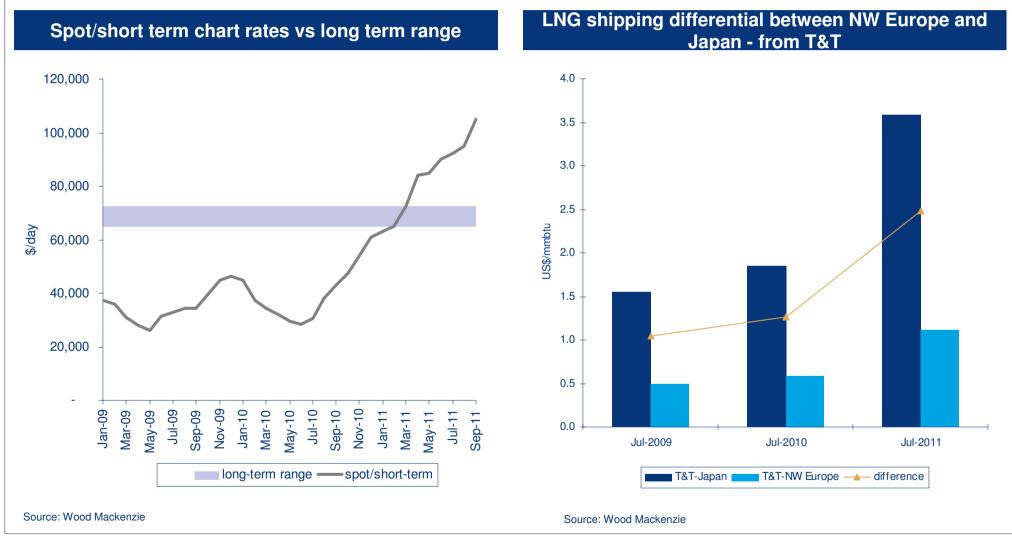


## ...while Qatar LNG exports to NW Europe are increasing much faster than that into the Pacific



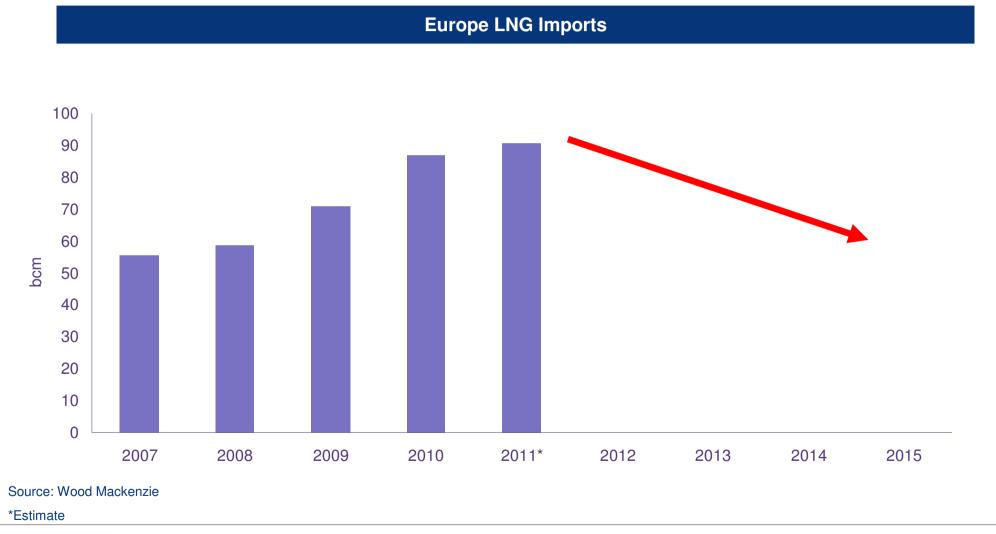


### Rising charter rates for LNG ships reflects sub-optimal LNG shipping flows





# Europe's over-supply will be relieved by the inevitable decline in overall LNG imports, as LNG is drawn to higher priced markets in Asia Pacific





#### **Conclusions**

- > As Europe becomes increasing import dependent it is increasingly subject to external shocks
- The major effect of the "Arab Spring" on the gas market has been via the increase in the oil price – however there could be additional risks
- > Growing demand in the Pacific will reduce the increasing LNG availability that Europe has counted upon in the last few years
- > Prices in Europe are expected to increase to oil-indexed levels with upside risks along temporary imbalances



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