ACER	Overview of the indicators used in the wholeale gas chapter			
Areas for the Contention			_	
Topic	Indicator - Figure	Time series	Sources	Technical note on data or calculation
Developments		2015	DD Chestariani Davisari	The difference in consumption and supply figures are the result of re-exports of LNG, stock exchanges, (i.e.
	EU gas supply portfolio by origin	2015	BP Statistical Review	underground storages, regasification terminals) and transportation losses.
	International gas consumption, production and key trade movements	2015	BP Statistical Review, ACER Calculations	
	Evolution or EU gas import volumes and oil proc	2014-2015	IEA, Platts, ACER Eurostat (Data socias pre. 102m. April 2016)	
	Ev jes prosi mant consumption Evolution of international wholesale gas prices	2009-2015	Platts. Thomson Reuters. Acer Calculations	
	Estimated monthly Ukrainian gas import prices	2014-2015	Natfogaz, IEA, Platts, Entsog TP	
Upstream and Infrastrucutre aspects				
of wholesale markets				Data from Furnetat Connect and RP may not be fully coloridated. Involve NRAs in the process. Those
	Estimated number and diversity of supply sources in terms of the geographical origin of the gas	2015	Eurostat Comtext, BP Statistical Report (2016)	supply origins with an asterisk relate to a MSs hosting a competitive hub. Clarification son the methodology
	The second se	2014 2015	ITA (2045) ACCO Caladations	are provided in Annex 1.
	EU Cross-dorder Ras nows	2014-2015	IEA (2015), ACER Calculations	
			ACER Calculations based on Eurostat, Eurostat Comtext,	HHI is the sum of squared market shares for each firm supplying gas at the import level. HHI evolves around
	Estimated HHI index per EU MS at upstream sourcing companies' level	2011+2015	BP Statistical Report, Frontier Consultancy desktop	upstream suppy, watates to upstream of suppy in accordance with aversity of suppy of attratement member states. The activity and the state of the state states. The activity is state of the state of th
			Research for GTW 2014 and WKKS date	Annex 1 for additional clarifications.
	Daily storage inventories and storage capacity for gas storage	2010-2016	ACER based on Gas Infrastrucutre Europe data	
				1) Ex-ante graph: for every storage year the forward summer/ winter spread is calculated as the difference
		2010 2015	ACCO based on Planta data	between the Season +2 prices (covering October """ to March "+1) and Season+2 prices (covering the period
		2010-2013	ACER based on Platt's data	year, the expension summary white spread is calculated as the difference between the actual
	NBD and TTE foresected and actual summarisation speeds			spot prices during the period from October "" to March "+1 and the average of actual spot prices during the period from Det Deber "" to March "+1 and the average of actual spot prices during the period from Det Deber Deb
	Ner and The forecased and actual summer/winter spreads Daily storage injections and withdrawals for all EU storage	2014-2016	Acer based on GIE's data	una pariod nom Agri + to September + .
State of EU gas hubs functioning				
		2012 2015	Traumost, Hub opportune and NRAs 2015	Over-the-counter-trade (OTC) refers to volumes traded among parties via broken, with either the parties wannedes counter trade (OTC) refers to volumes traded among parties via broken, with either the parties to the output of
	Traded volumes at EU hubs and CAGR	2012-2015	Hayport, Hub operators and WKAS 2015	similar get chart not a maning simily chart of the strategy strategy strategy and the strategy strateg
	Available median bid and ask-side volumes in the order book during the day for DA in selected EU hubs	2015-2016	ACER calculations and REMIT data	
	Available median bid and ask-side volumes in the order book during the day for MA in selected EU hubs in ranges of MW	2015-2016	ACER calculations and REMIT data	
	Order book horizon in ranges of months for bids for forward products for different blocks of MWs	2015-2016	ACER calculations and REMIT data	See Annex 1 of MMR 2015 for a clarification of the methodology and all the assumptions taken related to
	Bid-offer spread: measure of the average delta between the lowest ask price and the highest bid-price expressed as a percentage of the highest bid-price across the day	2015-2016	ACER calculations and REMIT data	Rewit database relictionality
	Number of executed trades (daily average) for DA and FW products in selected hubs for	2015-2016	ACER calculations and REMIT data	
	Market concentration ranges of finalised transactions of MA products for selected EU hubs for the selling side	2015-2016	ACER calculations and REMIT data	
	Oil and gas hubs price evolution in Europe	2008-2015	Platts (2015) and ACER calculations	
	EU MSs assessed gas suppliers' sourcing prices	2015	Eurostat Comext, Platts, IGU, NRAs, ACER	Prices are an eximiser or the yourty average supports southing procession in south this based on available politic data based on the ACER methodology. See Annue 13 of ACER MMR 2014
				Spreads in euros/MMM are calculated as the absolute price differential between pair of hubs, with
		2013-2015	ACER Calculations based on Platts and hub operators da	and provide the second state of the second sta
	Levels of DA price convergence between TTF and selected hubs year on year			tradint dass in a year.
	Levels of DA price convergence between TTF and NCG	2011-2015	ACER calculations based on Platts data	
	Levels of DA price convergence between TTF and PSV	2011-2015	ACER calculations based on Platts data	
	Levels of DA price convergence between NCG and selected hubs	2013-2015	ACER calculations based on Platts data	
	tevels of Dx price convergence between cean and selected mos	2013-2013	ACER Calculations based on Platts bata	
		2015	ACER calculations based on Platts and hub operators	
	Day-ahead price convergence levels in EU hubs compared to transmission tariffs		data for prices and ENISOG for trnasmisson tariffs	
				Hubs day-ahead on average daily settlement prices for each individual year are correlated using the Pearson modult memory consistence that is used of a sense relation control into the human two
		2013-2015	ACER Calculations based on Platts and hub operators da	data sets, while value 1 corresponds to a perfect positive correlation. A value of 0 resembles no correlation
	Levels of DA price correlation between TTF and selected hubs			among data sets. To conduct worklike to shoke first los to how on the shoke to the strong and then the strong and
		2013-2015	ACER Calculations based on Platts	deviation of returns is calculated and multiplied by the square root of total trading days in a year. The value is
	Day-anead gas prices and price volatility evolution in selected EU hubs			expressed as a percentage.
		2013-2015	ACER Calculations based on Platts	Correlation is calculated using the Pearson product-moment correlation coefficient methodology looking at membry calculated using the Pearson product-moment correlation coefficient methodology looking at membry calculated or standard description of baseline in construction and an
Impact of Network codes on Market	Price volatility correlation between selected pairs of hubs			
Functioning				
				IP sides analysed represent circa 60% of total CAM scope list. Values represent the weighted average
	Evolution of ratios of booked over technical capacity	2014-2015	ENTSOG TP and ACER calculations	quantities of all lps at each border. Calculations are made firstly for the average of all daily values during the wear and second by to considering the 10 peak days.
				IP sides analysed represent circa 60% of total CAM scope list. Values represent the weighted average
	Evolution of ratios of physical flows over technical capacity	2014-2015	ENISOG IP and ACER calculations	quantations of all (ps at each border, Calculations are made instript for the average of all daily values during the wear and second-by loconsidering the 10 peak days.
				In those lps offering reverse flow possibilities, capacities can be nominated in both directions. Utilisation values
		2012-2015	ENTSOG TP and individual TSO data	are snown or the basic or physical hows after their commercial netting. This may result in lower rates than initially received norminations. In case where technical case/cise at both IP sides on or fully overlaw. The
	Yearly average used versus booked capacity at selected IPs in the EU			lower value was considered.
	Marketable and allocated bundled capacity for European cross-border IPs via dedicated auctioning platforms	2014-2015	ENTSOG TP, PRISMA, ACER Calculations	
	Aggregated capacity utilisation of EU IPs - flows over bookings	2014-2015	ENTSOG TP and PRISMA	ur soles represent circa sutvi or the CMP scope isst (see Annex 2). Note that the analyses UP's list is not tuny coincident with those in Figure 31 and Figure 32.
	Benchmark of average gas cross-border transportation tariffs	2016	ENTSOG, individual TSOs and ACER calculations	See Annex 3 for methedological clarifications and important notes.
			Eurostat Comext, Platts, NRAs, CEER Database	The EU average household consumption level of 11,000 kWh/ year is taken from the CEER indicators database
	Gross welfare losses per average household consumer in gas wholesale markets	2015	Indicators data (2014) and ACER calculations	2014- significant universities in wavage consumption weeks 6933 Minolg MSL flousenoid consumers. Actual figures would have an impact on values of real welfare losses.



The aim of this document is to provide an overview of the indicators used in the Market Monitoring Reg Please consult also the latest edition of the Report which is available here:

http://www.acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/ACER_Market_Moni

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toring_Report_2015.pdf