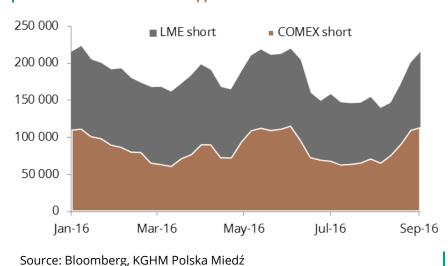


Market Overview

- Copper: After falling down nearly to the bottom of the 2016 range (4600 USD/t), copper price has bounced back again and traded higher, towards 4800 USD/t. For some market participants the price looked very much immune to the positioning headwinds as shorts have been built heavily in the last weeks both in Comex as well as LME (page 2).
- Physical metals trading: The Federal Reserve Board recommended that Congress should limit Wall Street's ability to own physical commodities and engage in other aspects of merchant banking because of possible risks to the financial system (page 3).
- Precious metals: After September FOMC meeting investors are mostly interested in the outcome of US elections. The issue of rate hikes seems to be put on hold until December. (page 3).

Shorts (number of futures and options contracts) have gained much in the recent weeks on the copper market





1/	mar			
KEV	mar	кет	nrı	LES

		Close price	2w chng.
	LME (USD/t)		
	Copper	4 733.50	2.7%
\blacksquare	Nickel	9 650.00	-2.3%
	LBMA (USD/troz)		
	Silver	18.91	0.9%
\blacksquare	Gold (PM)	1 308.35	-1.2%
	FX		
	EUR/USD	1.1226	0.3%
\blacksquare	EUR/PLN	4.3244	-1.3%
\blacksquare	USD/PLN	3.8497	-1.7%
	USD/CAD	1.3213	1.6%
\blacksquare	USD/CLP	671.36	-1.3%
	Stocks		
Sou	KGHM rce: Bloomberg, KGHM	70.20 Polska Miedź; <i>(me</i>	-4.0% ore on <u>page 7</u>)

Important macroeconomic data									
	Release	For							
★ ‡	Industrial prod. (yoy)	Aug	6.3% 🔺						
★ ‡	FAI (ytd, yoy)	Aug	8.1% =						
	Industrial prod. (mom)	Aug	-0.4% ▼						
	Industr. prod. (wda, yoy)	Jul	-0.5% ▼						
	Composite PMI	Aug	53.6						
Source: Bloomberg, KGHM Polska Miedź; (more on page 5)									

Market Risk Unit

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Please see important disclosures at the end of this document (page 9)



Base and precious metals | Other commodities

Copper

After falling down nearly to the bottom of the 2016 range (4600 USD/t), copper price has bounced back again and traded higher, towards 4800 USD/t. For some market participants the price looked very much immune to the positioning headwinds as shorts have been built heavily in the last weeks both in Comex as well as LME.

Important information on copper market:

- According to Metal Bulletin, LME volumes continued to fall in August, dropping 17.7% year-on-year with declines reported in average daily volumes (ADVs) for all metals. Metals market participants claim that the trend towards a decline had been exacerbated by the seasonally quieter holiday period as well as by the forced move of the open outcry trading floor to a disaster recovery site in Essex following structural issues at the new City of London premises. Total average daily volumes were 553,531 lots, with aluminium the most traded contract. Copper saw its ADV drop by 15.3% year-on-year to 136,606 lots in August. LMEminis, molybdenum and steel billet did not trade.
- Finance Minister Rodrigo Valdes has recently told lawmakers that the Chilean government is prepared to continue investing troubled copper producer Codelco as long as the company continues to reduce costs. As a consequence of a sharp drop in copper prices over the last 18 months, the state-owned mining company is struggling to keep up overdue investments at its largest mines. Unless the government delivers promised 4 bn USD, Codelco's production could fall by half within a decade. Last year, Chilean mining giant produced 1.732 million mt of copper, confirming its position as the world's largest producer of the metal. However, a fall in the copper price to around 2 USD/lb has limited the amount of funds available. Codelco posted a loss of 97 million USD for the first six months of the year, its first half yearly loss in its forty-year history. Last year, CEO Nelson Pizarro reduced spending at Codelco by more than 1 billion USD, aided by lower oil prices and stronger dollar. However, prices rose 7% during the first six months of the year to \$2.10/lb as the Chilean Peso recovered against the dollar. That means Codelco could face more losses if copper prices continue at current level. The government would announce its decision on how much capital to provide Codelco in November as it continues to discuss the company's requirements with the board.



Physical metals trading

The Federal Reserve Board recommended that Congress should limit Wall Street's ability to own physical commodities and engage in other aspects of merchant banking because of possible risks to the financial system.

Fed to limit Wall Street Merchant Banking

According to Reuters, the Federal Reserve asked the Congress to repeal permission granted in 1999 for Goldman Sachs Group Inc and Morgan Stanley to conduct activities like storing and transporting physical commodities that other banks cannot do. Some of the Fed members (like Daniel Tarullo) expressed their concerns about the commodity exemptions. The Fed said that existing rules allowing commodity investments raise safety and soundness concerns as well as competitive issues. Wall Street firms have been scaling back riskier parts of their commodities businesses in recent years due to public and political scrutiny over the role of banks in raw materials markets.

Last November, Morgan Stanley completed the sale of its physical oil business to commodity trading firm Castleton Commodities. In 2014, the bank sold its controlling stake in oil storage business TransMontaigne to NGL Energy Partners LP. In December 2014, Goldman sold its controversial Metro metals warehousing unit to Swiss private equity group Reuben Brothers.

A number of banking trade organizations, including the Clearing House, the American Bankers Association, SIFMA, Financial Services Roundtable and the Financial Services Forum, called the recommendations "unfortunate and ill-considered". They said regulators had not provided a cost-benefit analysis or justification for the changes.

Precious metals

After September FOMC meeting investors are mostly interested in the outcome of US elections. The issue of rate hikes seems to be put on hold until December.

Anglo American Platinum tries to stimulate platinum demand fundamentals

Anglo American Platinum (Amplats) had invested in a small-scale gas-to-liquids technology company, which produces hydrogen as a by-product. The investment into Greyrock Energy is part of a strategy aimed at driving demand for platinum group metals (PGM) directly and indirectly through enabling the adoption of fuel cell electric vehicles, which require platinum-based catalysts. This investment forms part of Amplats' PGM investment program, which provides growth capital to companies that can demonstrate the commercial viability of products or technologies that use or enable the use of the

Ability to own physical commodities by merchant banks might soon be over

"Unfortunate and ill-considered"

Specially dedicated program



company's metals. Greyrock's direct fuel production process converts flare gas, natural gas or natural gas liquids into pump-ready transportation fuels and environmentally beneficial blend stocks.

India plans a major tax increase on gold and other precious metals

The Indian government plans a proposal that includes a major increase in the tax on gold and other precious metals so as to give the GST (Goods and Services Tax) Council leeway to keep the proposed nationwide tax below 20%, reports The Hindu as quoted by Gem Konnect. The proposal is based on the recommendations of last year's panel headed by Chief Economic Advisor Arvind Subramanian. The panel had suggested taxing gold and other precious metals at rates ranging between 2%-6%. Precious metals are currently taxed at between 1%-1.6%. Meanwhile, about 70% of goods and services get taxed at an average rate of 27% by state governments. To protect their revenues, states have sought that the proposed standard GST rate be fixed at 20%.

Lower gold exports from Switzerland

Gold exports from Switzerland totaled 160 mt in August, down 7% from 172 mt a year earlier, Swiss federal customs data showed Tuesday. The figure is 17% lower than 192 mt in July, the largest flow out of the country this year. August is also the lowest monthly export total since April. The world's largest refiner and exporter of gold, total exports from Switzerland now stand at 1,197 mt for the year to date, up 3% from 1,160 mt in the same period of 2015. In a marked change from the traditional flow of physical gold from west to east, the UK continues to be the largest destination for Switzerland's gold this year at 84.6 mt in August, up 6% from July.

Precious metals taxed at 1%-1.6%



Macroeconomic calendar

Important macroeconomic data releases

Weight	Date	Event	For	Reading ¹	Previous	Consensu	IS ²
		China				*3	
0	07-Sep	Foreign reserves (USD bn)	Aug	3 185	3 201	3 190	_
00	08-Sep	Trade balance (USD bn)	Aug	52.1	52.3	58.9	
00	08-Sep	Exports (yoy)	Aug	-2.8%	-4.4%	-4.0%	
0000	09-Sep	Consumer inflation CPI (yoy)	Aug	1.3%	1.8%	1.7%	
00	09-Sep	Producer inflation PPI (yoy)	Aug	-0.8%	-1.7%	-0.9%	
0000	13-Sep	Industrial production (yoy)	Aug	6.3%	6.0%	6.2%	
00	13-Sep	Fixed assets investments (ytd, yoy)	Aug	8.1% =	8.1%	7.9%	
0	13-Sep	Retail sales (yoy)	Aug	10.6%	10.2%	10.2%	
0	14-Sep	New yuan loans (CNY bn)	Aug	949 🔺	464	750	
		Poland					
00000	07-Sep	NBP base rate decision	Sep	1.50% =	1.50%	1.50%	0
0000	12-Sep	Consumer inflation CPI (yoy) - final data	Aug	-0.8% =	-0.8%		
0000	13-Sep	Core CPI (excluding food and energy, yoy)	Aug	-0.4% =	-0.4%	-0.4%	0
00	13-Sep	Trade balance (EUR mn)	Jul	- 313 🔻	404	- 52.0	
00	13-Sep	Exports (EUR mn)	Jul	13 519	15 218	13 780	
00	13-Sep	Current account balance (EUR mn)	Jul	- 802	- 203	- 438	
0	14-Sep	M3 money supply (yoy)	Aug	10.0%	10.7%	10.7%	
00	16-Sep	Average gross salary (yoy)	Aug	4.7%	4.8%	5.0%	
0	16-Sep	Employment (yoy)	Aug	3.1%	3.2%	3.2%	
		US					
0000	15-Sep	Industrial production (mom)‡	Aug	-0.4%	0.6%	-0.2%	_
00	15-Sep	Philadelphia Fed business outlook	Sep	12.8	2.0	1.0	
00	15-Sep	Retail sales (excluding autos, mom)‡	Aug	-0.1%	-0.4%	0.2%	
0	15-Sep	Capacity utilization	Aug	75.5%	75.9%	75.7%	
0000	16-Sep	Consumer inflation CPI (mom)	Aug	0.2%	0.0%	0.1%	
0000	16-Sep	Consumer inflation CPI (yoy)	Aug	1.1% 🔺	0.8%	1.0%	
00	16-Sep	University of Michigan confidence index - preliminary data	Sep	89.8 =	89.8	90.6	_
		Eurozone				1	
000	05-Sep	Composite PMI - final data	Aug	52.9	53.3	53.3	_
000	05-Sep	Services PMI - final data	Aug	52.8	53.1	53.1	
00	05-Sep	Retail sales (yoy)‡	Jul	2.9%	1.7%	1.8%	
00000	06-Sep	GDP (sa, yoy) - final data	2Q	1.6% =	1.6%	1.6%	0
00000	06-Sep	GDP (sa, qoq) - final data	2Q	0.3% =	0.3%	0.3%	0
000	06-Sep	Gross fixed capital (qoq)‡	2Q	0.0%	0.4%	-0.1%	
000	06-Sep	Households consumption (qoq)	2Q	0.2%	0.6%	0.3%	•
00000	08-Sep	ECB main refinancing rate	Sep	0.00% =	0.00%	0.00%	0
00000	08-Sep	ECB deposit facility rate	Sep	-0.4% =	-0.4%	-0.4%	0
0	13-Sep	ZEW survey expectations	Sep	5.4	4.6		
0000	14-Sep	Industrial production (sa, mom)‡	Jul	-1.1%	0.8%	-1.0%	•
0000	14-Sep	Industrial production (wda, yoy)‡	Jul	-0.5%	0.7%	-0.8%	
0000	15-Sep	Consumer inflation CPI (yoy) - final data	Aug	0.2% =	0.2%	0.2%	0
0000	15-Sep	Core CPI (yoy) - final data	Aug	0.8% =	0.8%	0.8%	0
0	15-Sep	Trade balance (EUR mn)	Jul	25.3	29.2	29.6	•
00	16-Sep	Labour costs (yoy)‡	2Q	1.0%	1.6%		



000 06-Sep Factory or ders (wda, yoy)‡	Weight	Date	Event	For	Reading ¹	Previous	Consensus ²
000 06-Sep Factory or ders (wda, yoy)‡			Germany				
0000 07-Sep Industrial production (wda, yoy)‡ Jul -1.2% ▼ 0.9% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2% 0.2	000	05-Sep	Composite PMI - final data	Aug	53.3	54.4	54.4 🕳
Name	000	06-Sep	Factory orders (wda, yoy)‡	Jul	-0.7%	-3.0%	-0.2%
Name	0000	07-Sep	Industrial production (wda, yoy)‡	Jul	-1.2%	0.9%	0.2%
Prance	0000	13-Sep	Harmonized consumer inflation HICP (yoy) - final data	Aug	0.3% =	0.3%	0.3%
O5-Sep Composite PMI - final data Aug 51.9 51.6 51.6 51.6	0000	13-Sep	Consumer inflation CPI (yoy) - final data	Aug	0.4% =	0.4%	0.4%
0000 09-Sep Industrial production (yoy)‡ Jul -0.1%			France				
0000 14-Sep Harmonized consumer inflation HICP(yoy)- final data 0000 14-Sep Consumer inflation CPI (yoy)- final data 0000 14-Sep Composite PMI 0000 05-Sep Composite PMI 0000 13-Sep Industrial production (wda, yoy)‡ 0000 14-Sep Harmonized consumer inflation HICP(yoy)- final data 0000 05-Sep Composite PMI 0000 05-Sep Composite PMI 0000 05-Sep Composite PMI 0000 07-Sep Undustrial production (yoy)‡ 0000 07-Sep Undustrial production (yoy)‡ 0000 07-Sep BoE asset purchase target (GBP bn) 0000 15-Sep BoE asset purchase target (GBP bn) 0000 08-Sep GDP(annualized, qoq)- final data 0000 08-Sep GDP(qoq, sa)- final data 0000 08-Sep GDP(qoq, sa)- final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Composite PMI 0000 08-Sep Doson final data 0000 08-Sep Doson final data 0000 08-Sep Consumer inflation CPI (yoy) 0000 08-S	000	05-Sep	Composite PMI - final data	Aug	51.9 🔺	51.6	51.6
14-Sep Consumer inflation CPI (yoy) - final data Aug 0.2% - 0.2% 0	0000	09-Sep	Industrial production (yoy)‡	Jul	-0.1% 🔺	-1.1%	1.0%
Italy	0000	14-Sep	Harmonized consumer inflation HICP (yoy) - final data	Aug	0.4% =	0.4%	0.4%
000 05-Sep Composite PMI Aug 51.9 ▼ 52.2 52.0 0000 13-Sep Industrial production (wda, yoy)‡ Jul -0.3%	0000	14-Sep	Consumer inflation CPI (yoy) - final data	Aug	0.2% =	0.2%	0.2%
0000 13-Sep Industrial production (wda, yoy)‡ Jul -0.3%			Italy				
OOOO 14-Sep Harmonized consumer inflation HICP (yoy) - final data Aug -0.1% ▼ 0.0% 0.0% UK UK Aug 53.6 ▲ 47.6 50.8 50.8 50.0 47.6 50.8 50.8 50.0 47.6 50.8 50.8 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 60.0 60.0 60.0 60.0 60.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0 60.0 70.0<	000	05-Sep	Composite PMI	Aug	51.9	52.2	52.0
UK ○○○ 05-Sep Composite PMII‡ Aug 53.6	0000	13-Sep	Industrial production (wda, yoy)‡	Jul	-0.3%	-0.9%	-0.9%
OOO 05-Sep Composite PMI‡ Aug 53.6 47.6 50.8 OOO 07-Sep Industrial production (yoy)‡ Jul 2.1% 1.4% 1.9% OOO 13-Sep Consumer inflation CPI (yoy) Aug 0.6% - 0.6% 0.7% O OO 14-Sep Unemployment rate (ILO, 3-months) Jul 4.9% - 4.9% 4.9% 0 OOOO 15-Sep BoE base rate decision Sep 0.25% - 0.25% </td <td>0000</td> <td>14-Sep</td> <td>Harmonized consumer inflation HICP (yoy) - final data</td> <td>Aug</td> <td>-0.1%</td> <td>0.0%</td> <td>0.0%</td>	0000	14-Sep	Harmonized consumer inflation HICP (yoy) - final data	Aug	-0.1%	0.0%	0.0%
0000 07-Sep Industrial production (yoy)‡ Jul 2.1%			UK				
13-Sep Consumer inflation CPI (yoy) Aug 0.6% - 0.6% 0.7% 0.00 14-Sep Unemployment rate (ILO, 3-months) Jul 4.9% - 4.9% 4.9% 0.00 0.00 15-Sep BoE base rate decision Sep 0.25% - 0.25% 0.25% 0.00 0.00 0.5-Sep BoE asset purchase target (GBP bn) Sep 435 - 435 435 0.00 0.5-Sep Composite PMI Aug 49.8 ▼ 50.1 0.00 0.5-Sep GDP (annualized, qoq) - final data 2Q 0.7% 0.2% 0.2% 0.00 0.0% 0.0% 0.00 0.	000	05-Sep	Composite PMI‡	Aug	53.6	47.6	50.8
OO 14-Sep Unemployment rate (ILO, 3-months) Jul 4.9% - 4.9% 0.25% 0.2	0000	07-Sep	Industrial production (yoy)‡	Jul	2.1% 🔺	1.4%	1.9%
Description Sep Description Sep Description D	0000	13-Sep	Consumer inflation CPI (yoy)	Aug	0.6% =	0.6%	0.7%
Sep 435 -	00	14-Sep	Unemployment rate (ILO, 3-months)	Jul	4.9% =	4.9%	4.9%
Japan	00000	15-Sep	BoE base rate decision	Sep	0.25% =	0.25%	0.25%
OOO 05-Sep Composite PMI Aug 49.8 ▼ 50.1 OOO OO 08-Sep GDP (annualized, qoq) - final data 2Q 0.7% △ 0.2% 0.2% OOO OO 08-Sep GDP (qoq, sa) - final data 2Q 0.2% △ 0.0% 0.0% OOO OO 14-Sep Industrial production (yoy) - final data Jul -4.2% ▼ -3.8% Chile Chile OOO OO 05-Sep Economic activity (yoy)‡ Jul 0.5% ▼ 1.0% 0.9% OOO OO 07-Sep Copper exports (USD mn) Aug 2.082 ▼ 2.112 OO OO OO 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% O OO OO OO 08-Sep BoCh overnight rate target Sep 3.50% - 3.50% O OO OO OO 08-Sep Capacity utilization‡ 2Q 80.0% ▼	0000	15-Sep	BoE asset purchase target (GBP bn)	Sep	435 =	435	435
0000 08-Sep GDP (annualized, qoq) - final data 2Q 0.7%			Japan				
0000 08-Sep GDP (qoq, sa) - final data 2Q 0.2%	000	05-Sep	Composite PMI	Aug	49.8	50.1	
14-Sep Industrial production (yoy) - final data Chile ○○○○ 05-Sep Economic activity (yoy)‡ Jul 0.5% ▼ 1.0% 0.9% ▼ ○○○ 07-Sep Copper exports (USD mn) Aug 2 082 ▼ 2 112 ○○ 07-Sep Nominal wages (yoy) Jul 4.9% ▼ 5.5% 5.3% ▼ ○○○○ 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ○ ○○○○ 15-Sep BCCh overnight rate target Sep 3.50% - 3.50% 3.50% ○ Canada ○○○○ 07-Sep BoC base rate decision Sep 0.50% - 0.50% ○ ○○○ 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6% ○	00000	08-Sep	GDP (annualized, qoq) - final data	2Q	0.7%	0.2%	0.2%
Chile Chole Jul 0.5% ▼ 1.0% 0.9% ■ Cool 07-Sep Copper exports (USD mn) Aug 2 082 ▼ 2 112 Cool 07-Sep Nominal wages (yoy) Jul 4.9% ▼ 5.5% 5.3% Cool 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ● Cool 15-Sep BCCh overnight rate target Sep 3.50% = 3.50% ● Canada Cool 07-Sep BoC base rate decision Sep 0.50% = 0.50% ● Cool 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6%	00000	08-Sep	GDP (qoq, sa) - final data	2Q	0.2%	0.0%	0.0%
Chile 000 05-Sep Economic activity (yoy)‡ Jul 0.5% ▼ 1.0% 0.9% ▼ 000 07-Sep Copper exports (USD mn) Aug 2 082 ▼ 2 112 00 07-Sep Nominal wages (yoy) Jul 4.9% ▼ 5.5% 5.3% ▼ 000 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ○ 000 15-Sep BCCh overnight rate target Sep 3.50% ■ 3.50% ○ Canada 0000 07-Sep BoC base rate decision Sep 0.50% ■ 0.50% ○ 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6% ■	0000	14-Sep	Industrial production (yoy) - final data	Jul	-4.2%	-3.8%	
000 07-Sep Copper exports (USD mn) Aug 2 082 ▼ 2 112 00 07-Sep Nominal wages (yoy) Jul 4.9% ▼ 5.5% 5.3% ■ 0000 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ● 0000 15-Sep BCCh overnight rate target Sep 3.50% - 3.50% ● Canada ● Canada ● 0.50% - 0.50% ● 0.50%			Chile				*
OO 07-Sep Nominal wages (yoy) Jul 4.9% ▼ 5.5% 5.3% OOO 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ● Canada OOO 07-Sep BoC base rate decision Sep 0.50% - 0.50% ● OO 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6%	0000	05-Sep	Economic activity (yoy)‡	Jul	0.5%	1.0%	0.9%
0000 08-Sep Consumer inflation CPI (yoy) Aug 3.4% ▼ 4.0% 3.4% ○ 00000 15-Sep BCCh overnight rate target Sep 3.50% - 3.50% 3.50% ○ Canada 00000 07-Sep BoC base rate decision Sep 0.50% - 0.50% 0.50% ○ 000 08-Sep Capacity utilization 2Q 80.0% ▼ 81.4% 79.6% ○	000	07-Sep	Copper exports (USD mn)	Aug	2 082	2 112	
Canada Sep 3.50% - 3.50% ○ Canada Sep 0.50% - 0.50% ○ 0000 0 07-Sep BoC base rate decision Sep 0.50% - 0.50% ○ 000 0 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6% ○	00	07-Sep	Nominal wages (yoy)	Jul	4.9%	5.5%	5.3%
Canada ❖ ❖ ❖ ❖ ❖ ㆍ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	0000	08-Sep	Consumer inflation CPI (yoy)	Aug	3.4%	4.0%	3.4%
○○○○ 07-Sep BoC base rate decision Sep 0.50% - 0.50% ○ ○○○ 08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6%	00000	15-Sep	BCCh overnight rate target	Sep	3.50% =	3.50%	3.50%
08-Sep Capacity utilization‡ 2Q 80.0% ▼ 81.4% 79.6% △			Canada				*
	00000	07-Sep	BoC base rate decision	Sep	0.50% =	0.50%	0.50%
09-Sep Net change in employment (ths) Aug 26.2 -31.2 14.0 -	000	08-Sep	Capacity utilization‡	2Q	80.0%	81.4%	79.6%
	000	09-Sep	Net change in employment (ths)	Aug	26.2	- 31.2	14.0

¹ Reading difference to previous release: ▲ = higher than previous; ▼ = lower than previous; == equal to previous. ² Reading difference to consensus: ● = higher than consensus; ● = lower than consensus; ○ = equal to consensus. mom = month-on-month; yoy = year-on-year; qoq = quarter on quarter; ytd year-to-date; sa = seasonally adjusted; wda = working days adjusted; ‡ = previous data after revision. Source: Bloomberg, KGHM



Key market data

Key base & precious metal prices, exchange rates and other important market factors

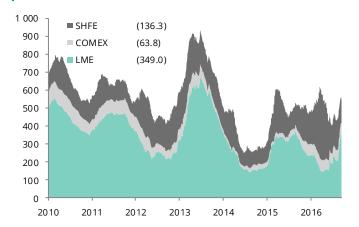
(as of: 16-Sep-16)		Price change °					From year beginning ²					
	Price		2W QTD YTD 1Y			Average	Min	Max				
LME (USD/t)												
Copper	4 733.50		2.7%	_	-1.9%		0.7%	_	-11.8%	4 721.84	4 310.50	5 103.00
Molybdenum	16 250.00	_	-1.5%	•	-4.4%		35.4%		29.0%	14 111.39	11 750.00	17 000.00
Nickel	9 650.00	_	-2.3%		2.5%		11.4%	_	-2.4%	9 142.11	7 710.00	10 900.00
Aluminum	1 560.00	_	-2.0%	•	-4.6%		3.5%	•	-2.9%	1 567.42	1 453.00	1 690.50
Tin	19 125.00	_	-0.9%		12.1%		31.0%		22.6%	16 894.25	13 235.00	19 900.00
Zinc	2 203.00	_	-6.2%		4.8%		37.7%		30.0%	1 935.98	1 453.50	2 363.50
Lead	1 936.00	_	-0.2%		8.8%		7.4%		13.8%	1 768.96	1 597.00	1 959.00
LBMA (USD/troz)												
Silver	18.91		0.9%		3.0%		36.8%		28.1%	16.99	13.58	20.71
Gold ¹	1 308.35	_	-1.2%	•	-0.9%		23.2%		17.1%	1 256.51	1 077.00	1 366.25
LPPM (USD/troz)												
Platinum ¹	1 012.00	•	-3.8%		1.3%		16.1%		5.4%	1 000.86	814.00	1 182.00
Palladium ¹	656.00	_	-2.1%		11.4%		19.9%		9.0%	585.06	470.00	730.00
FX ³												
EUR/USD	1.1226		0.3%		1.1%		3.1%	•	-0.8%	1.1159	1.0742	1.1569
EUR/PLN	4.3244	_	-1.3%	•	-2.3%		1.5%		2.8%	4.3621	4.2355	4.4987
USD/PLN	3.8497	•	-1.7%	•	-3.3%	•	-1.3%		3.7%	3.9094	3.7193	4.1475
USD/CAD	1.3213		1.6%		1.6%	•	-4.5%		0.2%	1.3221	1.2544	1.4589
USD/CNY	6.6747	•	-0.1%		0.4%		2.8%		4.9%	6.5770	6.4536	6.7045
USD/CLP	671.36	•	-1.3%		1.5%	•	-5.5%	•	-1.3%	681.17	645.22	730.31
Money market												
3m LIBOR USD	0.857		0.02		0.20		0.24		0.51	0.677	0.612	0.857
3m EURIBOR	-0.301	-	0.00	\blacksquare	-0.02	\blacksquare	-0.17	•	-0.26	-0.246	-0.304	-0.132
3m WIBOR	1.710	-	0.00	-	0.00	\blacksquare	-0.01	•	-0.01	1.691	1.670	1.720
5y USD interest rate swap	1.220		0.01		0.24	\blacksquare	-0.52	•	-0.32	1.216	0.928	1.709
5y EUR interest rate swap	-0.116		0.01	\blacksquare	-0.06	\blacksquare	-0.45	•	-0.51	-0.009	-0.183	0.309
5y PLN interest rate swap	1.960		0.10		0.17	\blacksquare	-0.03	•	-0.15	1.867	1.735	2.118
Fuel												
WTI Cushing	43.03	•	-3.2%	\blacksquare	-11.0%		16.2%	•	-8.3%	41.16	26.21	51.23
Brent	44.93	•	-2.0%	\blacksquare	-7.2%		25.7%	•	-5.6%	41.95	26.39	51.33
Diesel NY (ULSD)	138.63	•	-0.5%	\blacksquare	-6.0%		28.9%	•	-7.4%	127.95	86.44	156.18
Others												
VIX	15.37		3.39	\blacksquare	-0.26	\blacksquare	-2.84	•	-5.77	16.56	11.34	28.14
BBG Commodity Index	83.24		0.3%	•	-6.3%		6.0%	•	-6.5%	82.00	72.88	89.94
S&P500	2 139.16	_	-1.9%		1.9%		4.7%		7.5%	2 059.35	1 829.08	2 190.15
DAX	10 276.17	•	-3.8%		6.2%	\blacksquare	-4.3%		0.5%	9 968.01	8 752.87	10 752.98
Shanghai Composite	3 002.85	•	-2.1%		2.5%	•	-15.2%	•	-2.7%	2 952.14	2 655.66	3 361.84
WIG 20	1 734.26	•	-1.9%	\blacksquare	-0.9%	•	-6.7%	•	-21.2%	1 818.43	1 674.57	1 999.93
KGHM	70.20	•	-4.0%		6.4%		10.6%	•	-22.0%	68.18	52.29	80.20

 $^{^{\}circ}$ change over: 2W = two weeks; QTD = quarter-to-day; YTD = year-to-date; 1Y = one year. 1 based on daily closing prices. 2 latest quoted price. 3 central banks' fixing rates (Bank of China HK for USD/CNY). 4 .

Source: Bloomberg, KGHM

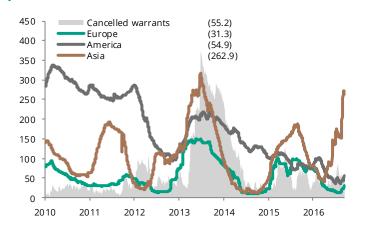


Copper: official exchange stocks (thousand tonnes)



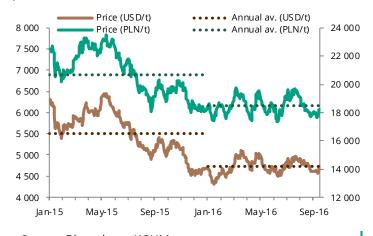
Note: Latest values in brackets. Source: Bloomberg, KGHM

Copper: official LME stocks (thousand tonnes)



Note: Latest values in brackets. Source: Bloomberg, KGHM

Copper: price in USD (lhs) and PLN (rhs) per tonne



Source: Bloomberg, KGHM

Silver: price (lhs) and gold ratio (rhs)



PLN: NBP-fixing based rate vs. USD (lhs) and EUR (rhs)

USD/PLN

2014

2015

2016

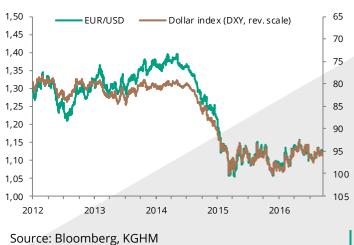
4,20

4,00

2,80

2012

USD: dollar index (lhs) and ECB-based EUR/USD (rhs)



859095100

3,80 -3,60 -3,40 -3,20 -3,00 -

Source: Bloomberg, KGHM

2013

5,20

5,00

4.80

4,60

4,40

4,20

4,00

3,80



Legal note

This document has been prepared based on the below listed reports, among others, published in the following period: $5^{th} - 18^{th}$ September 2016.

- Barclays Capital, BofA Merrill Lynch, Citi Research, CRU Group, Deustche Bank Markets Research,
- GavekalDragonomics, Goldman Sachs, JPMorgan, Macquarie Capital Research, Mitsui Bussan Commodities,
- Morgan Stanley Research,SMM Information & Technology,SNL Metals & Mining.

Moreover, additional information published here was acquired in direct conversations with market dealers, from financial institution reports and from the following websites: • thebulliondesk.com, • lbma.org.uk, • lme.co.uk, • metalbulletin.com, • nbp.pl, a także systemów: Bloomberg oraz Thomson Reuters.

Official metals prices are available on following websites:

base metals: www.lme.com/dataprices_products.asp (charge-free logging)

silver and gold: www.lbma.org.uk/pricing-and-statistics

platinum and palladium: www.lppm.com/statistics.aspx

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