

China Gold International Resources Corp. Ltd.

中国黄金国际资源有限公司

## China Gold International Sustainable Profitability and Growth

TSX: CGG | HKSE: 2099 September, 2013

www.chinagoldintl.com

#### FORWARD LOOKING STATEMENTS



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#### Agenda





- Company Overview
- Financial Highlights
- CSH Gold Mine Overview and Expansion Update
- Jiama Polymetallic Mine Overview and Expansion Update
- Growth Plan (Organic Growth and M&A)
- Social Responsibility
- Industry Trends

#### **ABOUT CHINA GOLD INTERNATIONAL**



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\* Consistent Profitability: 6<sup>th</sup> year of growing revenues and profit

✤ <u>Rapid Growth</u>: 7<sup>th</sup> year of growing production

 Unique Corporate Model: International company supported by largest Chinese gold producer

#### **ABOUT CHINA GOLD INTERNATIONAL**

#### China Gold International Resources Corp. Ltd. 中国黄金国际资源有限公司



- Dual listed, profitable and growing gold and copper producer
- Operating two producing mines in China:
  - CSH Gold Mine Inner Mongolia Region
  - Jiama Copper-Polymetallic Mine (Cu-Mo-Au-Ag-Pb-Zn) - Tibet Region
- The ONLY overseas listing vehicle of China National Gold (CNG) which is the largest gold producer in China
- 2 part Growth Strategy:
  - expanding both existing operations
  - strategic acquisitions



### **ABOUT CHINA NATIONAL GOLD GROUP (CNG)**



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### China National Gold Group (CNG) owns 39% of CGG

#### Largest gold producer in China

- Produced 1.1million ounces gold in 2012
- USD 16.5Bn revenues in 2012
- USD 800 Million profit in 2012
- #4 largest copper producer in China
- The only central SOE in Chinese Gold Industry

#### • Expertise:

- Exploration / mining / processing
- Research with patents
- Jewelry design and sales
- Engineering, procurement and construction (EPC)

#### Listed in

- Shanghai Stock Exchange: ZhongJin Gold (600489)
- TSX and HK Stock Exchanges: China Gold International(CGG) / 2099

Employment: 46,000 people

#### Resources:

- Gold: #1 in China (56 Million oz.)
- Copper: #5 in China (24 Bn.lbs)
- Molybdenum: #3 in China
- 49 producing mines, 5 melts, design and research institutions



#### **OUR UNIQUE CORPORATE MODEL**

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### In China

- Viewed as a local Chinese miner
- Full support of China National Gold Group – our 39% shareholder
- Local and state government support
- Access to the preferential rights for acquisition targets
- Local management, technical and operating expertise
- Financing capabilities ability to raise lowinterest, sizable loans from local banks

Think Global Act Local

### Internationally

- Full TSX and HK listing allows access to global capital markets
- Solidifying local and international corporate and government relationships
- Optimal acquisition vehicle for international targets
- Global management, technical and operating expertise

#### **EXPERIENCED BOARD AND MANAGEMENT TEAM**



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#### Top management of both China National Gold and China Gold International



Zhaoxue Sun Chairman and Executive Director

~30 years experience



Xin Song CEO and Executive Director



~20 years



Bing Liu Non-Executive Director

Over 30 years experience



~13 years experience

**Zhanming Wu** 

Senior Executive VP

and Executive Director



lan He Ying Bin Independent Non-Executive Director

~28 years experience



Yunfei Chen Independent Non-Executive Director



John King Burns Independent Non-Executive Director

~35 years experience



Greg Hall Independent Non-Executive Director

~36 years experience



Jiang Xiangdong Executive Director VP of Exploration

~30 years



Jerry Xie Executive VP and Corporate Secretary

~28 years experience



Songlin Zhang VP of Operations and Chief Engineer

~28 years experience



Lisheng Zhang Vice President

~30 years experience



Derrick Zhang Chief Financial Officer

~22 years experience

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**HIGHLIGHTS – RESOURCES/RESERVES, PRODUCTION** 



Combined Gold Reserv	e / Resource	Copper Reserve / F	Resource
Category	Gold Content (M oz)	Category	Copper Conten (Billion lbs)
Proven / Probable Reserve	6.7	Proven / Probable Reserve	6.2
Measured / Indicated Resource*	8.1	Measured / Indicated Resource*	10.3

\*Inclusive of Mineral Reserves

#### **Steady increase of production**

#### Annual Gold Production from CSH ('000 oz)



#### Annual Copper Production from Jiama (M lbs)



#### **HIGHLIGHTS – STRONG FINANCIAL RESULTS**





Business in Vancouver named China Gold International as the fastest growing enterprise in British Columbia, Canada, by percentage growth in revenue between 2007 and 2011.

#### **Revenues, Mine Operating Earnings, Net Profit**



HIGHLIGHTS – STRONG Q2, 2013 FINANCIAL RESULTS



### Cash Costs Decrease. Revenues, Net Profit, Operating Cash Flow, EPS Grow.

	Quarter ended June 30, 2013	Quarter ended June 30, 2012	% change
Revenues (MM USD)	\$81.6	\$76.5	7%
Net Profit (MM USD)	\$19.6	\$12.6	56%
Net Operating Cash Flow (MM USD)	\$16.4	\$54.2	-70%
Earning per share (US cents)	4.78 cents	3.07 cents	56%
Cash Costs – CSH	\$734/oz Au	\$753/oz Au	-3%
Cash Costs – *Jiama	\$1.55/lb Cu	\$1.40/lb Cu	11%
Gold Produced CSH (oz)	32,111	35,848	-10%
Copper produced Jiama (lbs)	7,700,575	5,871,653	31%

\*Cash cost per pound of copper after by-product credits



### -The Company is in its 6<sup>th</sup> year of production and revenue growth -Last 2 years have been exceptionally strong

	Year ended Dec 31, 2012	Year ended Dec 31, 2011	% change
Revenues (MM USD)	\$332.4	\$311.3	7%
Gross Profit (MM USD)	\$124.9	\$120.8	3%
Net Profit (MM USD)	\$73.5	\$81.9	(10%)
Net Operating Cash Flow (MM USD)	\$90.8	\$115.6	(21%)
Earning per share (US cents)	18 cents	20 cents	(10%)
Cash Costs – CSH	\$825/oz Au	\$778/oz Au	6%
Cash Costs – *Jiama	\$1.49/lb Cu	\$1.68/lb Cu	(11%)
Gold Produced CSH (oz)	139,443	133,541	4%
Copper produced Jiama (lbs)	25,820,417	21,563,193	20%

\*Cash cost per pound of copper after by-product credits

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### **CSH GOLD MINE – OVERVIEW**



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### One of China's largest gold mines

- Located in Inner Mongolia of China, approximately 210km northwest of the city of Baotou
- Principal product: Gold dore bars with silver as a by-product
- Well-established basic infrastructure:
  - excellent access to roads
  - sufficient power
  - sufficient water and local labor force
- Open pit, heap leach currently 30,000 tpd processing capacity expanding to 60,000 tpd in 2013
- Expansion is in progress





#### **CSH GOLD MINE – GEOLOGY**

#### **CSH Site Plan**





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#### **CSH Mine Resources**

Resources	Tonnage (mt)	Grade (g/t)	Gold Content (koz)
Measured	90.4	0.63	1,831
Indicated	172.2	0.58	3,211
Total M&I	262.6	0.60	5,066
Inferred	132.8	0.49	2,092

CSH Mine Reserves							
Reserves	Tonnage (mt)	Grade (g/t)	Gold Content (koz)				
Proved	89.0	0.62	1,767				
Probable	124.3	0.58	2,315				
Total	213.5	0.59	4,083				

### **CSH GOLD MINE – EXPANSION OVERVIEW**

- An expansion feasibility study was approved in Q4, 2012
- Ore production to increase from 30,000 tpd to 60,000 tpd in 2013
- By 2015 annual gold production is expected to increase to ~260,000 oz. from current 139,443 oz.

v 30,000 tpd crusher

Plant Com

The expansion will be completed and new production will start in Oct. - Nov., 2013

**igust 1. 2013** 

13.1

#### Improving Gold Recovery %

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#### **CSH GOLD MINE – EXPANSION PROGRESS, SEPTEMBER 2013**

- All earth work completed
- New 30,000 tpd Crusher and ADR plant completed
- All major equipment arrived on site and installation is near completion
- The Company is expected to finish construction in 2013 in accordance with schedule
- Ore will be processed on new facilities in 4<sup>th</sup> quarter of 2013
- Leach Pad and infrastructure construction is in progress



Panorama of the newly completed 30,000 tpd crushing system.



 Ore storage: construction nearly completed.



 Crushing system feeding preparation



Leaching field

#### **CSH'S ROBUST ECONOMICS SUPPORTS EXPANSION**

- Positive NPV and Strong Cash flows
- Updated resource model supports expansion to 60 ktpd by the end of 2013

#### **Expansion Capital Cost Summary**

Capital Cost	
Initial Capital to Expand Process Facilities	\$184,306
Total Capital	\$212,923
Total Capital per tonne of ore	\$0.99
Operating Costs per tonne of ore	
Ore Mining	\$1.52
Waste Mining	\$5.19
Processing	\$2.40
Management	\$0.72
Total Operating Cost	\$9.83
Total Cash Operating Cost per oz.	\$713.61

Additional value is expected from accelerated production for 11 years vs. 16 previously Shorter mine life = Higher degree of confidence in gold price assumptions, revenues and costs projections

#### **CSH Capital Cost Timing**

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## NPV of Free Unlevered Cash Flows (base case 9% discount)

Short Term Gold Price	\$1,600 -\$1,440
Long Term Gold Price	\$1,380
After Tax NPV (9%)	\$642 MM
· · /	•

\* As per the feasibility study of October, 2012

### CSH'S ROBUST ECONOMICS SUPPORTS EXPANSION



\$4.2 Bn LOM (Life of Mine) Revenue Expectations\$1.6 Bn LOM Operating Profit Expectations

\$1.25 Bn Undiscounted Total LOM Cash Flow Expectation



Note: strong positive cash flows (except Year 2) due to Capex As of December 31, 2012. Cut-off grade for the gold reserve estimate is 0.28 g/t

### JIAMA POLYMETALLIC MINE – OVERVIEW

### One of China's largest Cu-Mo-Au-Ag-Pb-Zn mines

- Located 68 kilometers northeast of Lhasa, Tibet
- Commercial production began in September 2010
- Phase I Operation successfully completed and included:
  - open-pit and underground mining operation
  - processing plant
  - underground ore transportation system with
  - 1.8 Mtpa ROM processing capacity
- Phase II expansion is in progress





### **Well Designed Infrastructure Supports Phase II Operations**





### **Current Reserves and Resources**

Jiama Resources													
		Grade							Contain	ed Metal			
Category	Ore (mt)	Cu (%)	Мо (%)	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)	Cu (kt)	Mo (kt)	Au (M oz)	Ag (M oz)	Pb (kt)	Zn (kt)
Measured	76	0.48	0.042			0.07	0.04	364	32			52	30
Indicated	977.1	0.44	0.036	0.21	10.97	0.03	0.02	4,275	348	3.0	158.9	271	232
Total M&I	1,053.1	0.44	0.036	0.21	10.97	0.03	0.02	4,640	380	3.0	158.9	323	262
Inferred	395.9	0.42	0.039	0.28	12.26	0.09	0.05	1,676	156	1.7	73.4	359	179

Jiama Reserves													
Grade							Contain	ed Metal					
Category	Ore (kt)	Cu (%)	Мо (%)	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)	Cu (kt)	Mo (kt)	Au (t)	Ag (t)	Pb (kt)	Zn (kt)
Proved	24,914	0.96	0.053	0.35	14.27	0.111	3.817	240.4	13.15	8.63	355.6	27.6	950.9
Probable	338,556	0.76	0.029	0.21	11.70	0.020	0.019	2,567.3	97.57	71.88	3,959.8	66.4	65.9
Total	363,470	0.77	0.030	0.22	11.87	0.026	0.280	2,807.7	110.72	80.50	4,315.4	94.0	1,016.9

Note: Cu, Mo, Pb and Zn Mineral Resources reported at a 0.3 % Cu-eq cut-off grade\* (>0.02 Au g/t), as of April 28, 2012 Reserves reported at 0.35% Cu-eq for open cut and 0.5%-0.65% for underground mining methods

### JIAMA POLYMETALLIC MINE – EXPANSION

### **Expanding Operations**

#### Phase II Expansion

2012

6,000 tpd

- -Pre-feasibility study completed in Q3 2012
- -Feasibility to be completed Q4, 2013
- Increasing processing capacity from 6,000
   tpd of ore to 40,000 tpd
- -By the end 2013 capacity expected to reach 20,000 tpd (stage 1 of expansion) and then 40,000 tpd (stage 2 of expansion) by the end of 2014
- –Increased annual production: 176,000,000 lbs Cu by 2016
- -4 open pits + 2 underground mining areas

**Jiama's Construction Timeline** 

2013

Expansion to

to 20,000 tpd

2014

Expansion to

40,000 tpd.

**Pre-production from** 

stage 1 commences



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2016

2015

Producing at

about 80% capacity



### JIAMA – EXPANSION PROGRESS, SEPTEMBER 2013



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### Expansion to 20,000 tpd (stage 1) will be finished in 2013

- Completed 2/3 of development:
   -ventilation shafts
   -ore haulage levels
   -ore hoisting shaft
   -conveyor declines
   -initial mining area preparation
- Started pre-stripping
- Crushing System 75% completed
- Nearly completed construction of the flotation plant and started mill equipment installation
- Ore storage construction 80% completed
- Construction of tailing management facility, including tailing dam, watering diverting channels and tunnels is 50% completed
- Expected to start pre-production from the Phase II expansion in January 2014



future crushing plant



 major equipment installed



 construction of ore storage



 new thickening ponds

### JIAMA POLYMETALLIC MINE – EXPANSION



### **Mining and Production Highlights**

- Open cut mining methods will extract 202.2 Mt of ROM
- Underground mining will extract 161.3 Mt of ROM
- Expected life of mine: 31 years
- Overall project processing capacity is 13.8 Mtpa for Cu-Mo ores
- Expected annual production: 176 Mlb Cu, 2.3 Kt Mo, 35Koz Au and 2.7 Moz Ag





### **Robust Economics Support Phase II Development**

#### Life of Mine Capital Costs Distribution and Timing









\* Includes sustaining capital



### **Robust Economics Support Phase II Development**

\$17.5 Bn LOM (Life of Mine) Revenue Expectations\$5.1 Bn LOM Operating Profit Expectations\$3.8 Bn LOM Undiscounted Free Cash Flow Expectation



### JIAMA "GREEN MINE" NAMED BY CHINESE CENTRAL GOVERNMENT



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- The Tibet Autonomous Region Government has determined that any new mine operators entering the region must follow the high HSE standards set and implemented at the Jiama Mine site by CGG
- Jiama Mine is covered by major medias in China and won many exceptional awards

**National Level Green Mine** by the Ministry of Land and Resources

Outstanding Award of2012National Science andTechnology DevelopmentMinistry of Science and Technology

Project of National "Twelfth Five-Year" Plan for Science & Technology Support by the Ministry of Science and Technology

Project of National "Twelfth Five-Year" Plan for Non Ferrous Industry by the Ministry of Industry and Information Technology First batch of advanced mines in China's development and integration of mineral resources by the Ministry of Land and Resources

"the pioneer worker banner" by China Federation of Trade Unions



TI 4

"Top 10 Scientific & Technological Progresses" by Chinese Academy of Geological Sciences



**First batch of 29 scientific research bases** by the Ministry of Science and Technology and Ministry of Land and Resources

**"Top 10 Geological Prospecting Findings**" by the Geological Society of China

#### **CSH RECEIVES PRESTIGIOUS AWARD**



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"China's Top 10 Major Mineral Exploration Achievements"

by Geological Society of China



#### **5 YEAR GROWTH VISION:** CHINA NATIONAL GOLD: FORTUNE 500 MEMBER CHINA GOLD INTERNATIONAL: ORGANIC EXPANSION + M&A



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**Organic Growth** 

2012		2013	2014	2015	2016
CSH					
30,000 tpd	Ex	pansion construction to 60,000 tpd	Producing at about 80% capacity	Producing at	full capacity
Jiama					
6,000 tpd		Development and construction to 20,000 tpd	Development and construction to 40,000 tpd	Producing at about 80% capacity	Producing at full capacity

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**GROWTH PLAN – ACCRETIVE ACQUISITION STRATEGY** 



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# STRATEGY – SOCIAL RESPONSIBILITY, HARMONIC DEVELOPMENT, HIGHEST HSE STANDARDS

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- Respecting local culture and religion
- Economic contribution to local communities (portable water supply, schools, infrastructure)
- Hiring and training local people (35% of Jiama Mine's employees are locals. Will employ more after training.)
- Land reclamation and vegetation recovery











Jiama Industry and Trade distributed bonus to the shareholders who are local herdsmen before the Tibetan New Year,



Huatailong's modernized thickening pond has realized zero emission of industrial sewage



#### SHARE INFORMATION



#### **TSX: CGG – HKSE: 2099**

	e and Share Info nber 18, 2013)
Issued and Outstanding	396.4 M
Fully Diluted	396.9 M
Options	495,000
Cash	\$96.3 M USD
Short-Term Debt	\$114.5 M USD
Long-Term Debt	\$200.4 M USD
Share Price	\$3.35 CND
Market Cap	\$1.3 B
52 Week Range	\$2.36 – \$4.65 CND

#### Top 10 Institutional Holders (As of September 18, 2013)









### **GROWING COPPER DEMAND**



#### \* We believe in growing Copper consumption trend



#### China is world's largest consumer of copper



#### \*Source: PWC Reports, Bloomberg

#### China's share of world's copper consumption is increasing



#### **GOLD DEMAND TRENDS**



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China is expected to surpass India to become the world's top gold consumer

12 Month Gold Demand to Q2, 2013



"Chinese Dama" investor – largest gold jewelry consumer

12 Month Gold Jewelry Demand to Q2, 2013



China: 641 tonnes

India: 637 tonnes

Rest of the World: 2,112 tonnes



✤ US quantitative easing policy is not slowing down yet





\*Source: Bloomberg, World Gold Council

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- Surge of protectionism and nationalization of the resources
- High-grade deposits are getting mined out
- New developments and new capital expenditure are largely on hold
- Exploration by juniors is slower

#### INDUSTRY TRENDS: DEMAND SIDE





### **Distribution of World's Urban Population:** 1950, 2007, and 2050

Trends in Urbanization, by Region **Urban Population** 

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#### Growing middle class of consumers in China \* World Population growth by 2050 (Bn) \*



