



IAMGOLD[®]
CORPORATION

IAMGOLD 2016 AGM

May 10, 2017

STEVE LETWIN, PRESIDENT & CEO

Empowering People,
Extraordinary Performance

| TSX: IMG | NYSE: IAG |

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2016 Highlights

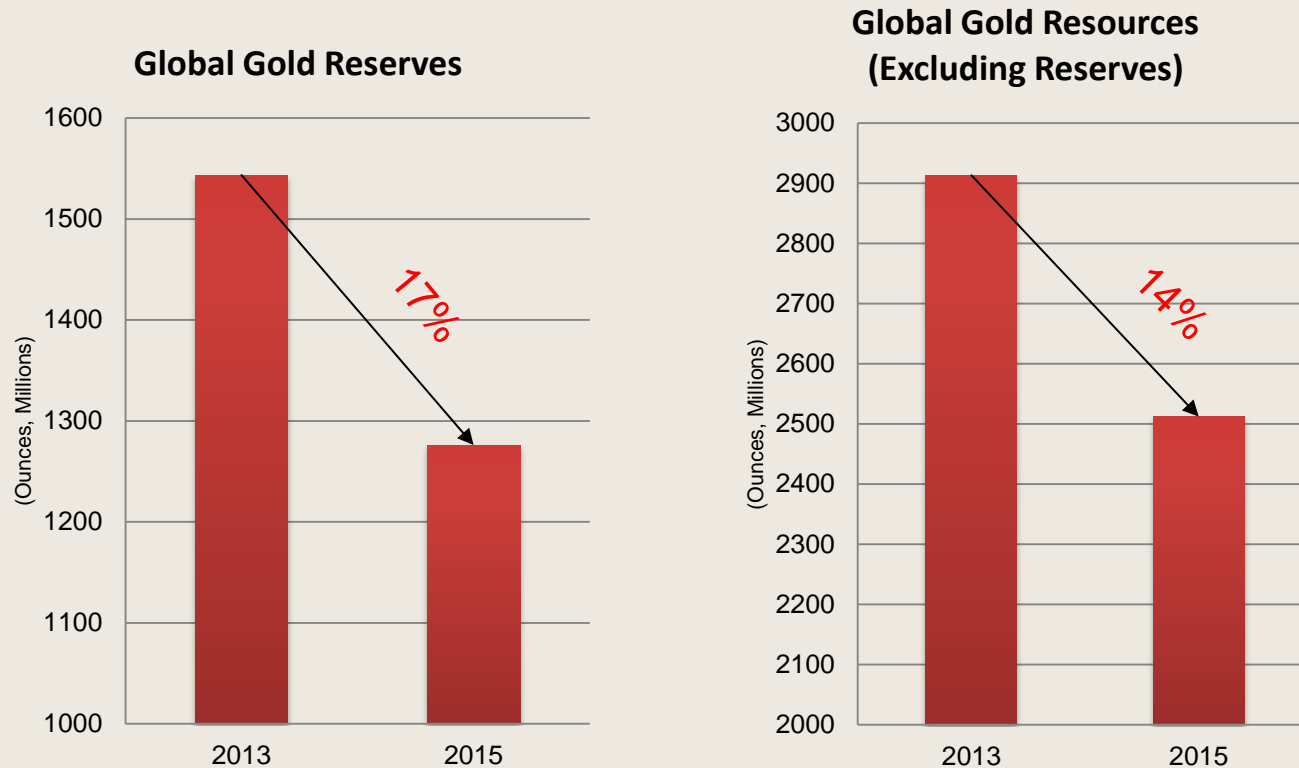
- Operating cash flow up 721% to \$314M
- Gold margin up 56% to \$505/oz
- Outstanding operating performance with production exceeding guidance and lower costs
 - Attributable production 813,000 oz
 - AISC \$1,057/oz
- \$763M in cash, cash equivalents and restricted cash
- Strengthened financial position
- On-going initiatives implemented to continue lowering costs and extend life of mines
- Identified and continued to advance high potential targets for resource expansion

Targeting 20-25% production growth and AISC of \$900-\$950/oz by 2020

Growth in a Time of Reckoning



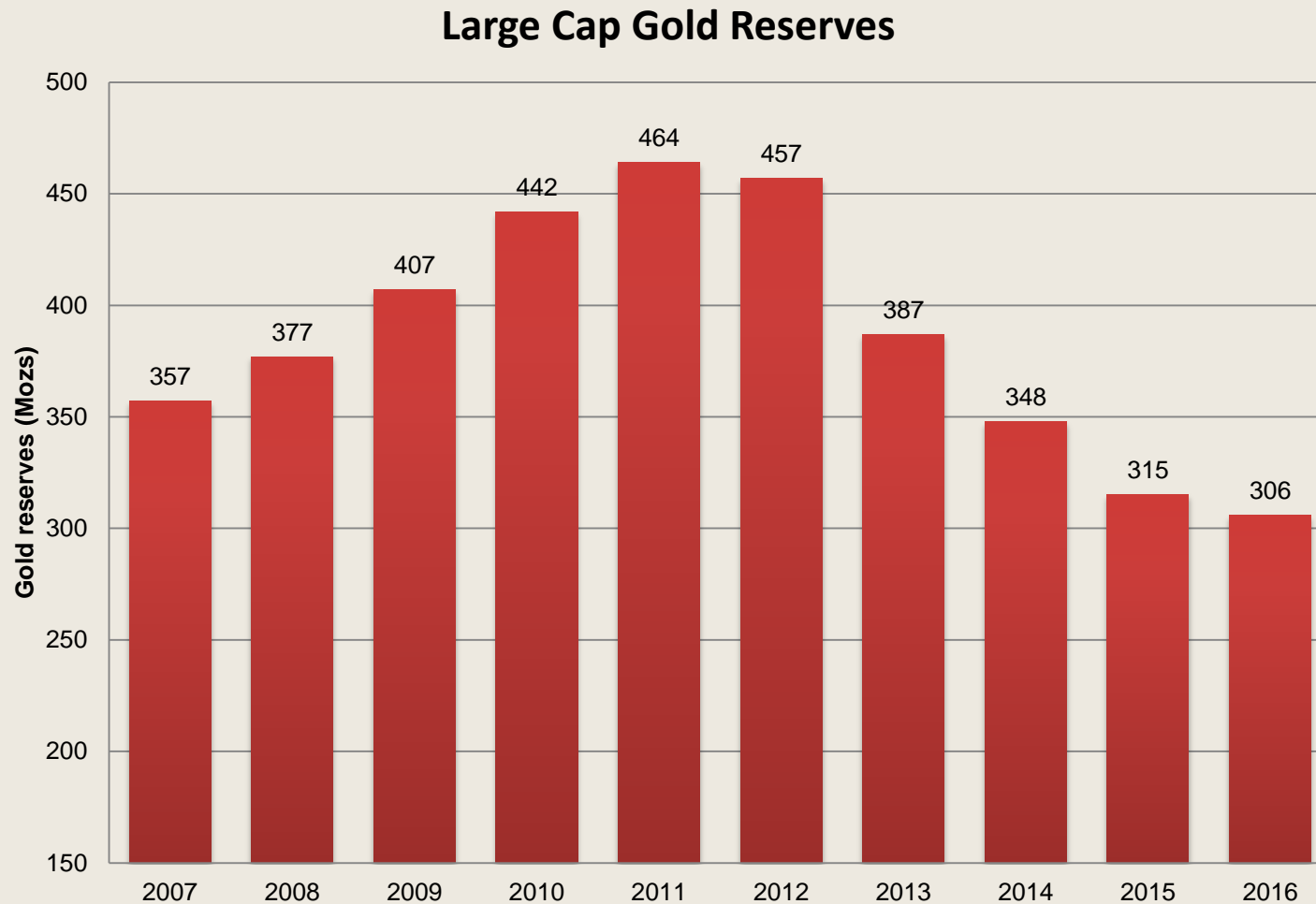
Reserve Replacement Increasingly Challenging



For every ounce of gold produced the industry is discovering half an ounce.

Source: S&P Global Market Intelligence, IAMGOLD

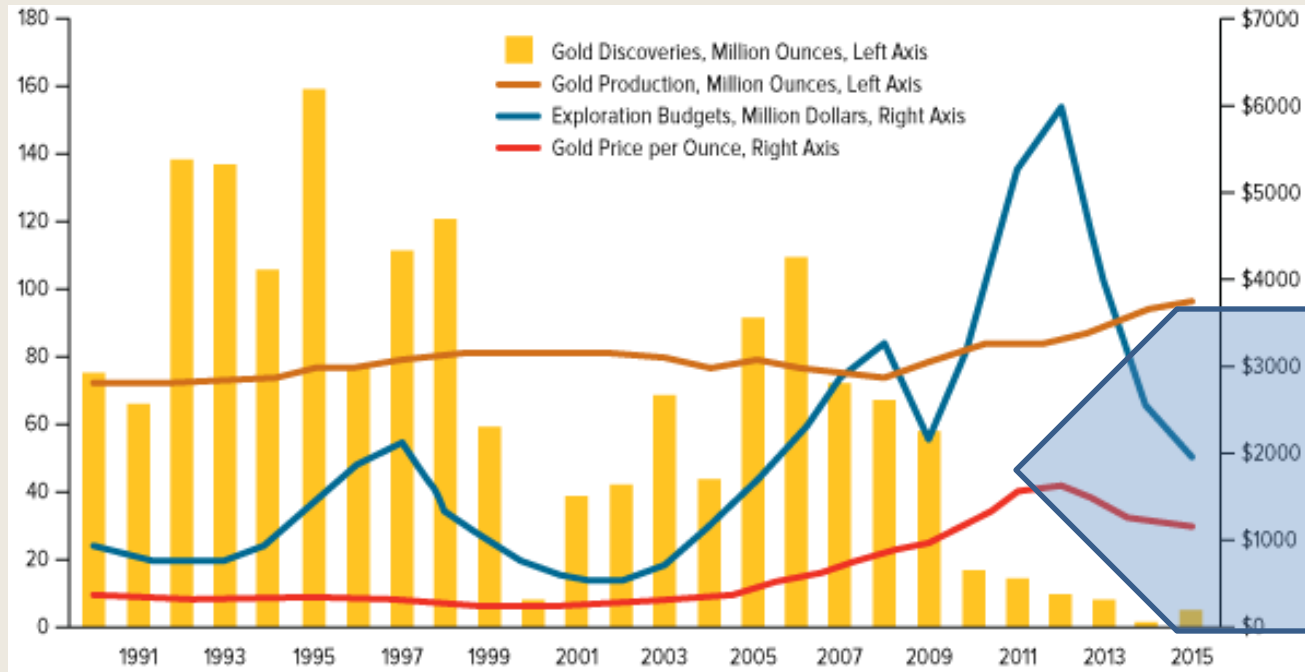
Reserves of Large Caps Suffer a Steeper Decline



**Large Cap Producers: Barrick, Goldcorp, Newmont, Kinross, Agnico-Eagle*

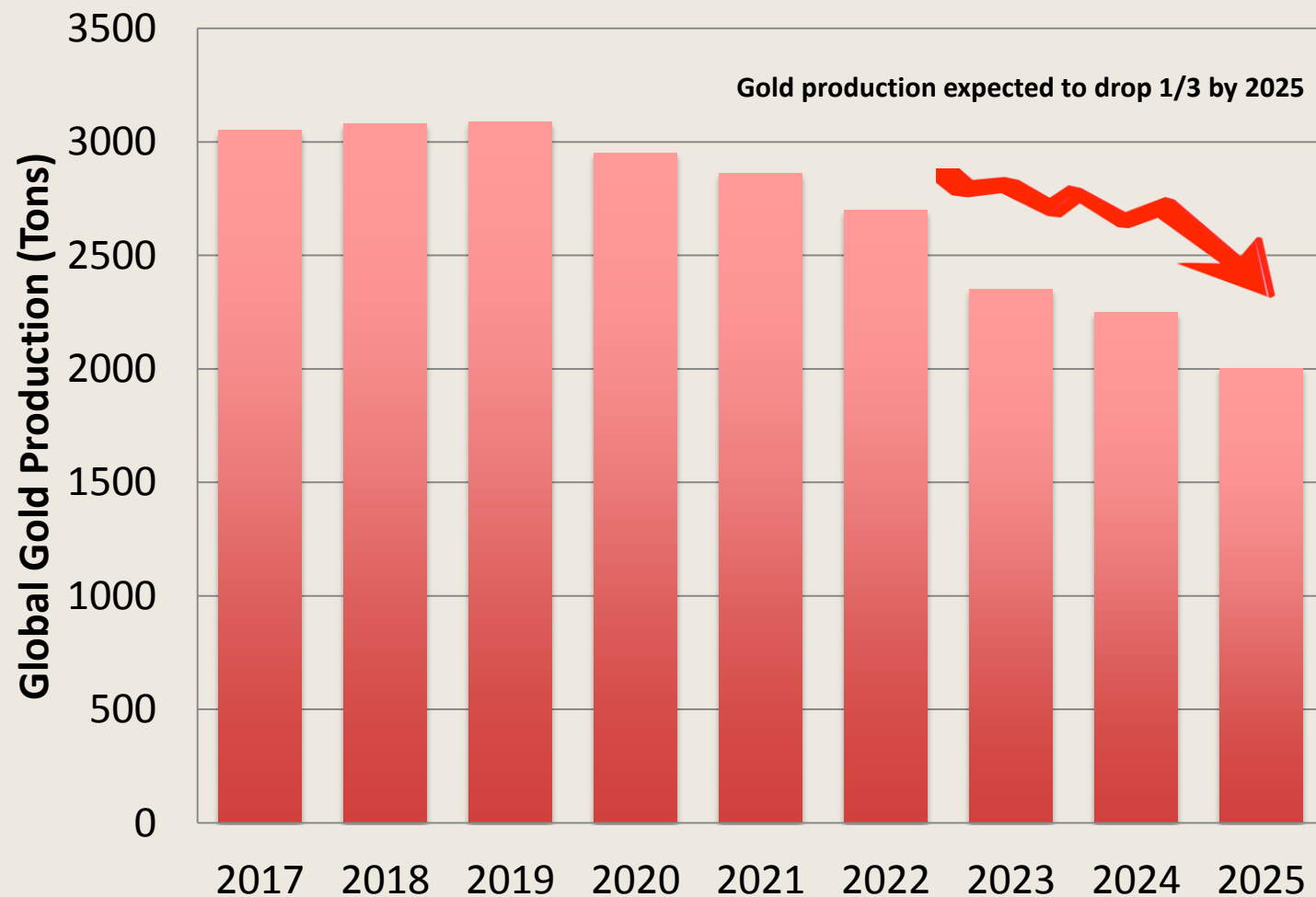
Source: TD Securities Inc. March 29, 2017. IAMGOLD

Gold Discoveries Trailing Far Behind Production



Widening gap
between gold
discoveries and
production

Gold Industry - Flat to Declining Production



Source: BMO Capital Markets, Randgold Resources Ltd.

Growth Strategies to Support Sustainable Growth in Global Reserves

1. Greenfield exploration leading to new discoveries
2. Convert existing resources to reserves
3. Expand resources at existing mines
4. Near-mine exploration to leverage existing infrastructure
5. Resurrect development projects



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IAMGOLD's Organic Growth Strategy

Short-Cycle Capacity (Just-in-time-delivery)

CAPEX

Long-Cycle Capacity (Base load production)

SSP ♦ Saramacca ♦ Sarafina ♦
Overman ♦ Falagoutou ♦ ESK Heap
Leach ♦ ESK O₂ Plant



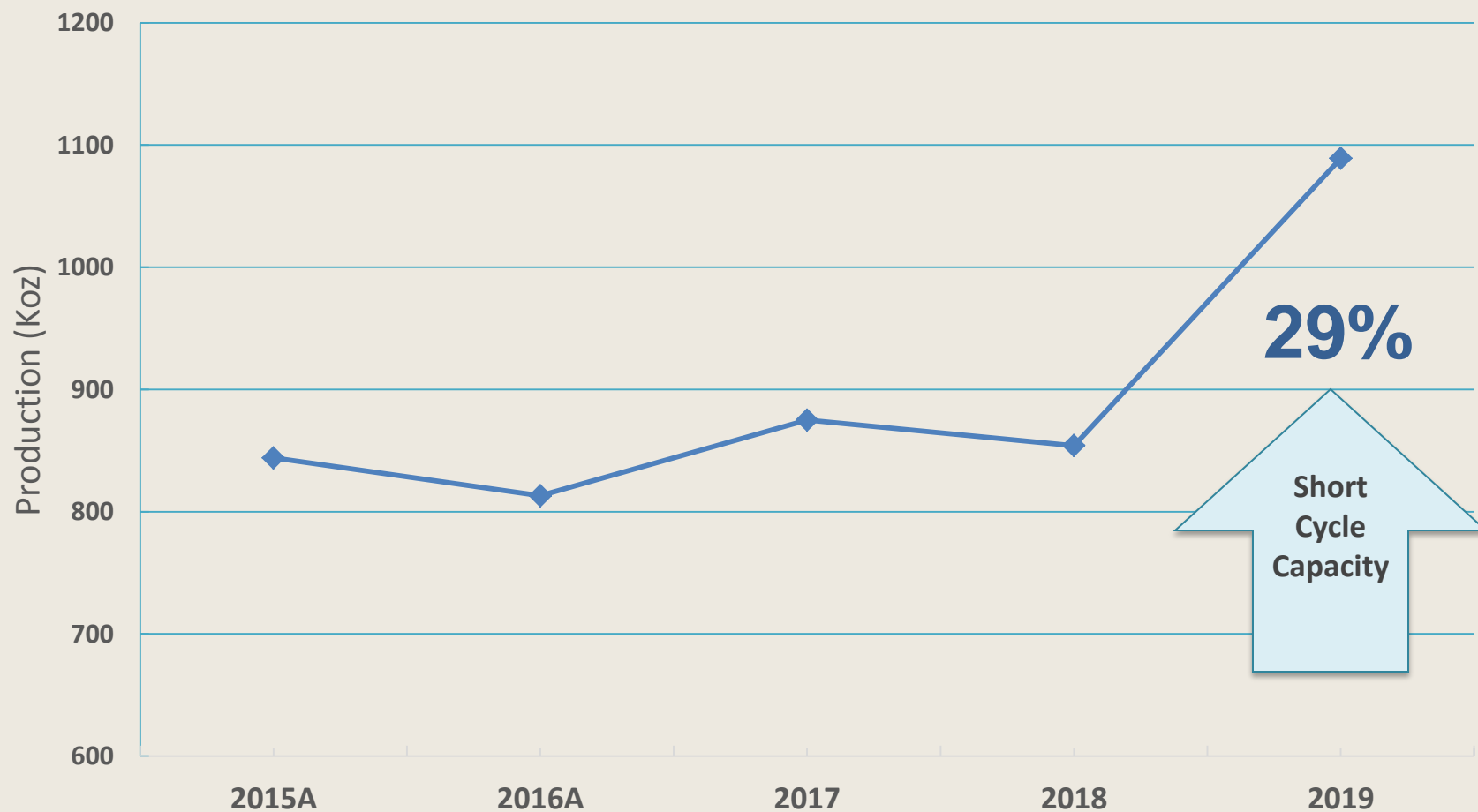
- Small quanta of investment
- Quick time to cash flow
- Short payback period

Coté Gold ♦ Boto
♦ Siribaya ♦ Pitanguí



- Capital Intense projects
- Many years to positive cash flow
- Threat of becoming “stranded”
 - Long payback

IAMGOLD Production Pipeline



Transforming Rosebel - Suriname (95%)

Saramacca

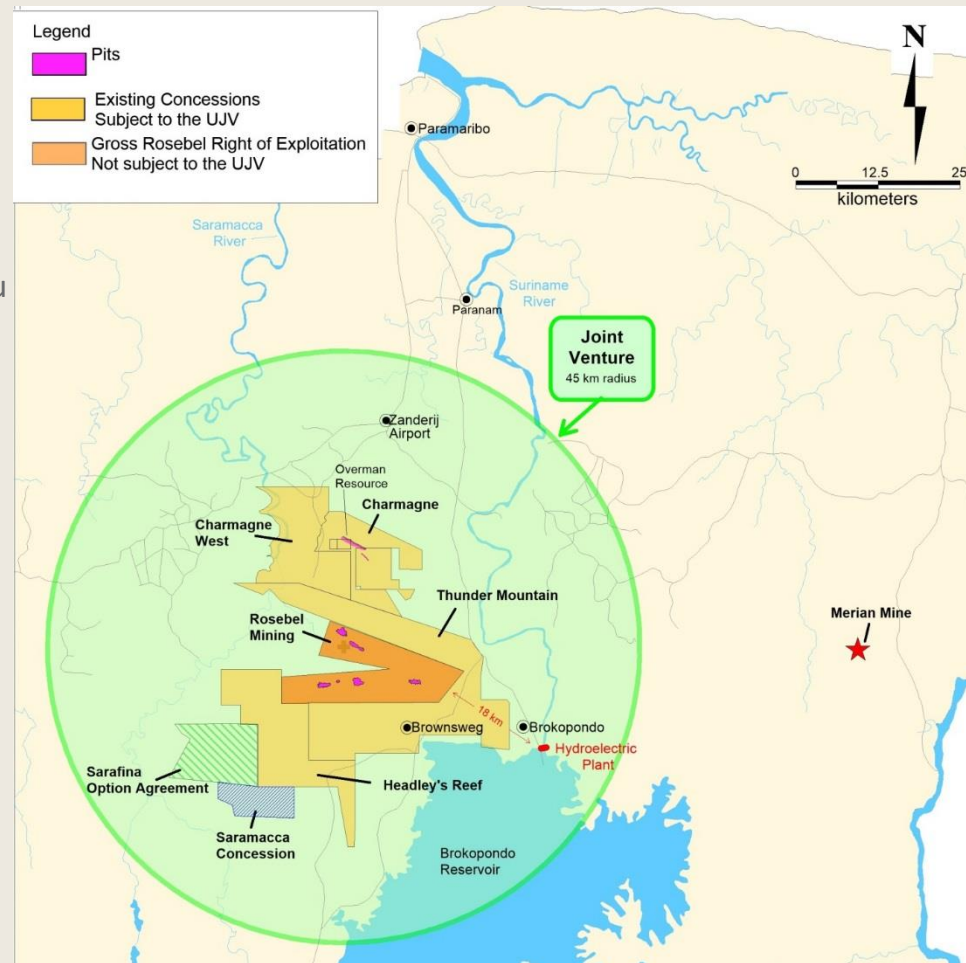
- Acquired rights to Saramacca in 2016
- 25km southwest from Rosebel mill
- Historical data suggested .5-1.4M oz @ 1.0-1.8g/t Au
- Results to date confirm significant mineralization, eclipsing earlier estimates. Highlights* include:
 - 60.5 m @ 40.91 g/t Au, Including: 19.5 m @ 75.91 g/t Au
 - 52.6 m @ 5.33 g/t Au
- Targeting initial resource estimate Q3/17

Saddle Zones

- Preliminary drilling between historic pits to evaluate opportunities for near-mill, low-stripping, soft ore
- 1-2 year timeframe to identify new oxide reserves

Major Mill Improvements

- Installed power flex drive to increase torque capacity in the SAG mill;
- New liner design in the grinding circuit
- Commissioned secondary crusher to increase grinding capacity of hard rock



*See IAMGOLD news release dated March 29, 2017.

Expand and Optimize at Essakane – Burkina Faso (90%)

Ongoing Exploration on Highly Prospective Land Package with >1,200 sq. Km

Falagountou East

- Potential for low-cost, high-grade saprolite ore
- Deposit covered by existing mining permits
- Drilling will continue in 2017 to expand limits of ore body
- Expect to delineate resource estimate in 2017

Performance Optimization

- Commissioned intensive leach reactor to improve recoveries
- Completing geometallurgical study
- Moving ahead with oxygen plant to improve recoveries
- Following up on heap leach studies
- Commissioned carbon fines treatment plant to reduce gold inventory

Signed power purchase agreement to develop 15 MW solar plant:

- To be integrated with 57MW HFO Plant
- Will save 6 million litres of fuel per year
- Will reduce CO₂ emissions by 18,500 tonnes annually



2017 Production Guidance 370,000 - 380,000 oz

Continued Ramp-up at Westwood – Quebec (100%)

Underground Development

- Completed nearly 25 km of underground development in 2016 – averaging 74 meters per day
- Underground development continuing to open access to new mining areas

Resource Conversion

- Reserves increased by 75% year over year to 1.0M oz; reserve grade has increased by 16% to 8.8 g/t Au
- Seeing significant resource potential in existing mining blocks, at depth and to the west
- >100 km drilling planned for 2017

Ramp-up Strategy

- Operating at commercial levels in 2017 from 3 mining blocks, including zone where remedial work was completed in 2016
- Targeting 17 km of lateral development and 3 km of vertical development in 2017
- Ramping up to full production by 2019

March 21, 2017 –
Quebec regulators
approve reopening of
mining block (104 level)
affected by seismic
event in 2015



2017 Production Guidance 115,000 – 125,000 oz

Rebirth for Sadiola – Mali (41%)

Sadiola Expansion Project

- Consistent year over year production in 2016
- Extended oxide mine life to 2018 due to exploration success
 - › Expect to continue mining oxides into early 2018 and processing oxides into early 2019
- Aligned with partner AGA to move Sulphide Project forward
- Project economics refined and optimization study was completed
- Intend to commence construction, pending Malian government renewing construction and operating permits; power agreement and fiscal terms

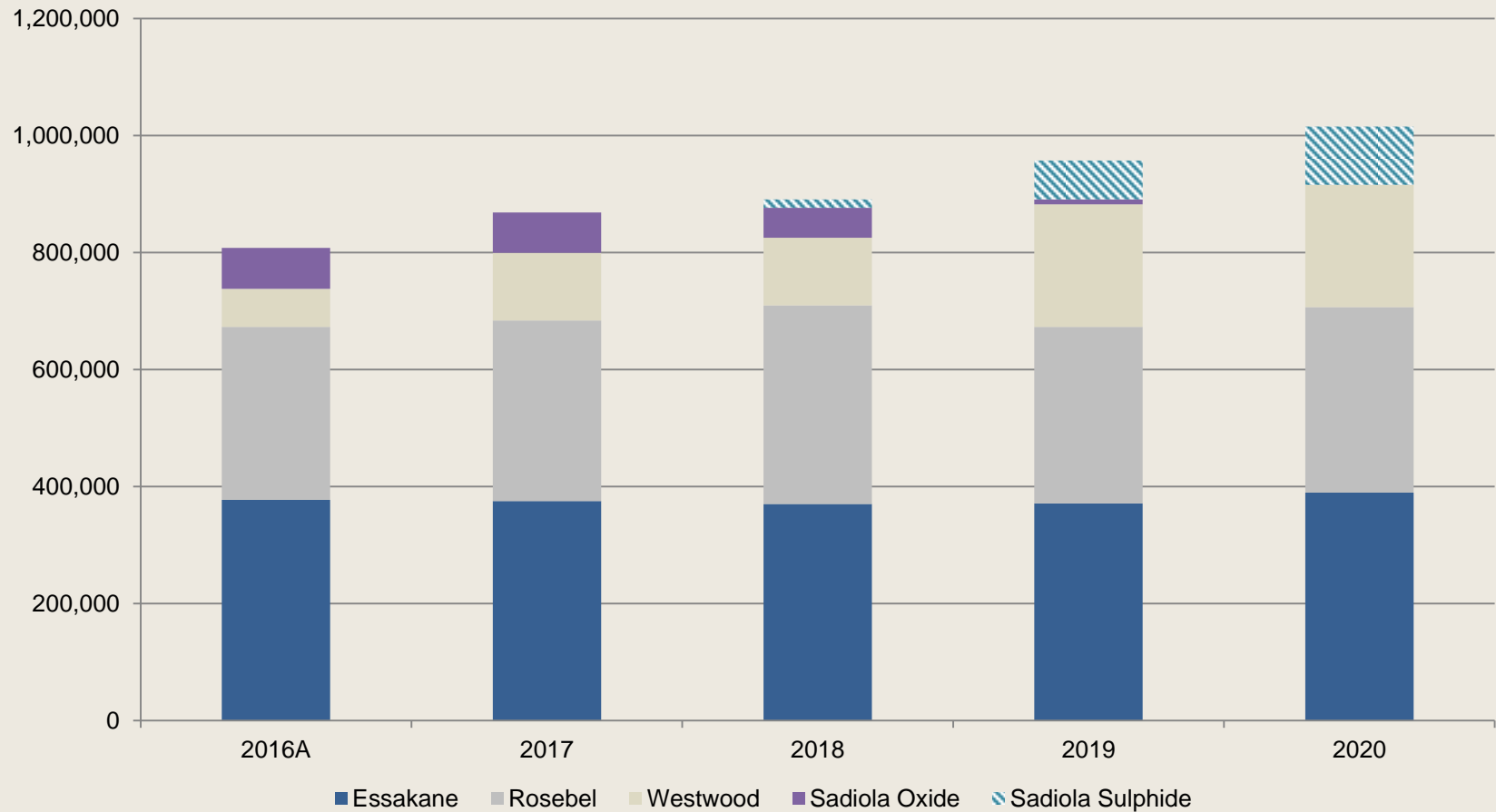
Sulphide Expansion Project 2015 Technical Report¹

Strip Ratio	3.9
Max. Throughput (Mtpa)	7.2
Recoverable Gold (Moz/LOM)	3.2
Mine Life (yr)	10
Cash Cost (\$/oz)	\$735
AISC (\$/oz)	\$816
Initial Capital (\$M)	\$379
After-tax IRR	16%

¹ On 100% basis, using 7.2 Mtpa scenario in Sadiola's 2015 43-101 Technical Report. See report for more details regarding price assumptions and technical disclosure.

2017 Production Guidance 65,000 – 75,000 oz

IAMGOLD's Production Pipeline to 2020



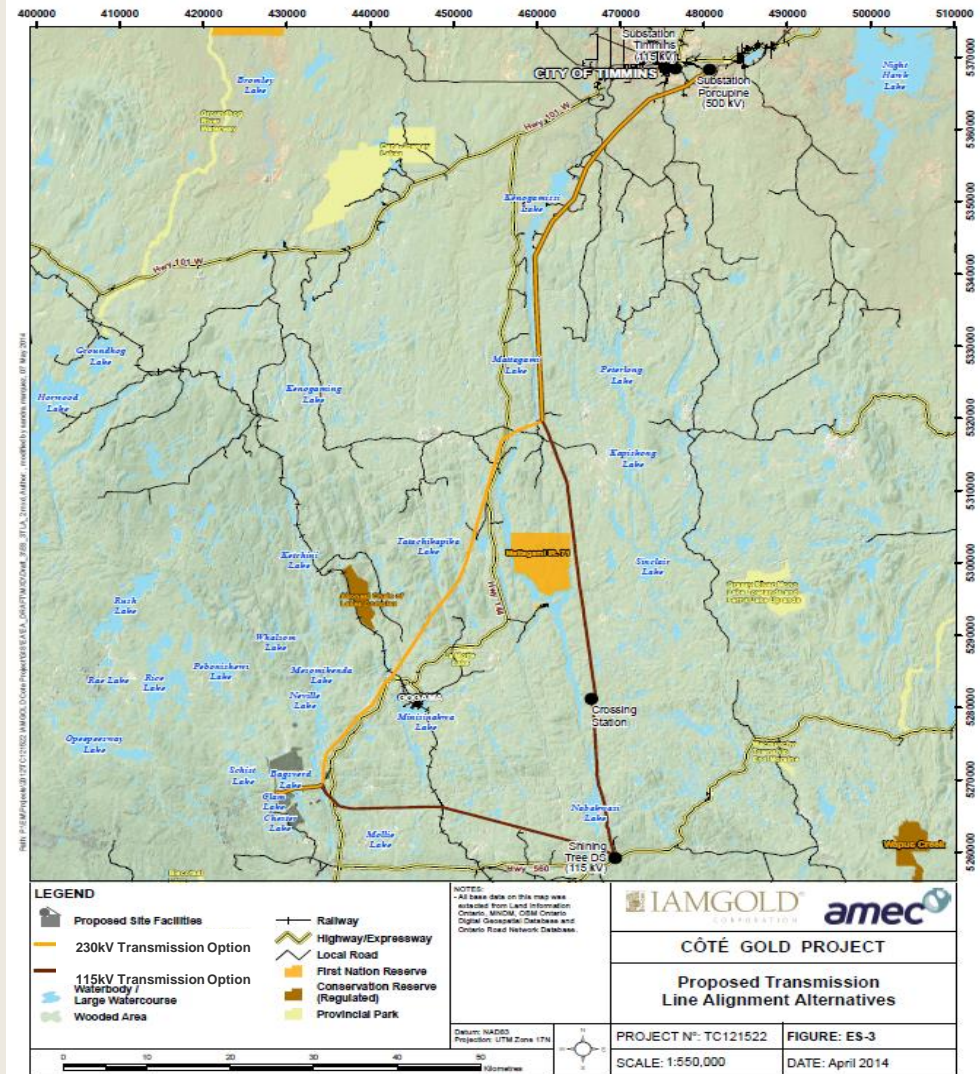
Targeting AISC of \$900-\$950/oz by 2020

Longer-Term Growth with Côte Gold

Project Highlights

- One of Canada's largest undeveloped gold deposits
- Located in a prolific mining region six hours north of Toronto
- Positive PEA indicates potential for low-cost mine with a 21 year mine life
- Provincial and Federal Government have approved Environmental Assessment
- Exploration continuing on 500 sq. km. land package to develop and assess targets
- Pre-feasibility study expected in summer 2017

8.4M oz Indicated
&
1.2M oz Inferred



Robust Exploration Pipeline

Boto Gold

- Expanding Malikoundi deposit in Senegal
- Evaluation studies ongoing

Attributable Resources*:

Total M+I = 1,563 @ 1.8 g/t
Total Inferred = 125 @ 1.3 g/t

Pitangui

- Sao Sebastiao deposit in Brazil is an advanced greenfield exploration project
- Ongoing exploration and advancing evaluation studies

Attributable Resources*:

Total Inferred = 679 @ 5.0 g/t

Loma Larga

- Project in Ecuador, operated by INV Metals, IAMGOLD owns ~36%
- Strategic investment provides optionality



Monster Lake

- Quebec; 50-50 JV with TomaGold
- High-grade vein deposit in prolific Abitibi Greenstone Belt

Nelligan

- Quebec, 15km from Monster Lake, earn-in option with Vanstar Mining
- New greenfield discovery

Eastern Borosi

- Nicaragua; option agreement with Calibre Mining
- Targeting high-grade epithermal gold-silver veins

Diakha-Siribaya

- Mali, consolidated ownership in a 1 M ounce plus discovery stage project
- Expanding resources

Attributable Resources*:

Total M+I = 129 @ 1.9 g/t
Total Inferred = 1,092 @ 1.7 g/t

*Attributable resources reflect contained gold ounces in the 000s. Côté Gold, Boto, Diakha-Siribaya and Pitangui mineral resources have been estimated as of December 31, 2016 using a \$1,500/oz. gold price and have been estimated in accordance with NI 43-101. In mining operations, measured and indicated resources that are not mineral reserves are considered uneconomic at the price used for reserve estimations but are deemed to have a reasonable prospect of economic extraction. Measured and indicated gold resources are inclusive of proven and probable reserves.

Q1 2017 Highlights

- Gross profit rose 438%
- Net operating cash flow increased by 33% to \$68 million
- Attributable gold production of 214,000 oz
- All-in sustaining costs of \$992/oz
- Gold margin \$464/oz
- Strengthened capital structure
 - Long-term debt 37% lower than a year ago
 - Maturity date extended by 5 years to 2025

Maintaining guidance of 845,000-885,000 oz and AISC of \$1,000-\$1,080

Timeline For Growth Catalysts – 2017 to 2020

2017

Sadiola

- Sulphide Expansion Project construction start

Côte Gold

- PFS to be released summer 2017 and initiate FS

Rosebel

- Initial resource estimate at Saramacca deposit in Q3

Pitangui

- Advance evaluation studies and revise mineral resource estimate in Q4

Boto Gold

- Resource update in Q4 and evaluation studies to continue

Essakane

- Updated resources at Falagountou satellite deposit

Diakha-Siribaya

- Resource update by year end

2018 – 2020

Westwood

- Full ramp-up by 2019

Sadiola Sulphide Expansion

- Production 2019/2020

Boto

- FS in 2017, potential start up in 2019

Loma Larga

- Longer term potential



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