



IAMGOLD



Deutsche Bank 27th Annual Leveraged Finance Conference

September 24, 2019

TSX: IMG | NYSE: IAG

Cautionary Statement

All information included in this presentation whether in narrative or chart form, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking information or forward-looking statements and are based on expectations, estimates and projections as of the date of this presentation. Forward-looking statements contained in this presentation include, without limitation, statements with respect to: the Company's guidance for production, cash costs, all-in sustaining costs, depreciation expense, effective tax rate, and operating margin, capital expenditures, operations outlook, cost management initiatives, development and expansion projects, exploration, the future price of gold, the estimation of mineral reserves and mineral resources, the realization of mineral reserve and mineral resource estimates, the timing and amount of estimated future production, costs of production, permitting timelines, currency fluctuations, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. Forward-looking statements are provided for the purpose of providing information about management's current expectations and plans relating to the future. Forward-looking statements are generally identifiable by, but are not limited to, the use of the words "may", "will", "should", "continue", "expect", "budget", "forecast", "anticipate", "estimate", "believe", "intend", "plan", "schedule", "guidance", "outlook", "potential", "seek", "targets", "strategy", "superior" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The Company cautions the reader that reliance on such forward-looking statements involve risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the Company's estimated future results, performance or achievements expressed or implied by those forward-looking statements, and the forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to, changes in the global prices for gold, copper, silver or certain other commodities (such as diesel and electricity); changes in U.S. dollar and other currency exchange rates, interest rates or gold lease rates; risks arising from holding derivative instruments; the level of liquidity and capital resources; access to capital markets, and financing; mining tax regimes; ability to successfully integrate acquired assets; legislative, political or economic developments in the jurisdictions in which the Company carries on business; operating or technical difficulties in connection with mining or development activities including geotechnical difficulties and seismicity; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; negotiations with respect to new, reasonable collective labour agreements may not be successful which could lead to a strike or work stoppage in the future, and any such strike or work stoppage could have a material adverse effect on the Company's earnings and financial condition; the speculative nature of exploration and development, including the risks of diminishing quantities or grades of reserves; adverse changes in the Company's credit rating; contests over title to properties, particularly title to undeveloped properties; the ability to deliver gold as required under forward gold sale arrangements; the rights of counterparties to terminate forward gold sale arrangements in certain circumstances, the inability to participate in any gold price increase above the cap in any collar transaction entered into in conjunction with a forward gold sale arrangement, such as the collar entered into in conjunction with the gold sold forward in January of 2019; and the risks involved in the exploration, development and mining business. The Company is also subject to litigation and legal and political risks. With respect to development projects, IAMGOLD's ability to sustain or increase its present levels of gold production is dependent in part on the success of its projects. Risks and unknowns inherent in all projects include the inaccuracy of estimated reserves and resources, metallurgical recoveries, capital and operating costs of such projects, and the future prices for the relevant minerals. Development projects have no operating history upon which to base estimates of future cash flows. The capital expenditures and time required to develop new mines or other projects are considerable, and changes in costs or construction schedules can affect project economics. Actual costs and economic returns may differ materially from IAMGOLD's estimates or IAMGOLD could fail to obtain the governmental approvals necessary for the operation of a project; in either case, the project may not proceed, either on its original timing or at all.

Exploration Target Potential: The potential quantity and grade of the exploration targets referred to are conceptual in nature and insufficient exploration work has been completed to define a mineral resource. The property will require significant future exploration to advance to a resource stage and there can be no certainty that the exploration target will result in a mineral resource being delineated. The exploration targets are consistent with similar deposits in the area, deposit models or derived from initial drilling results.

For a more comprehensive discussion of the risks faced by the Company, and which may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the company's estimated future results, performance or achievements expressed or implied by forward-looking information or forward-looking statements, please refer to the Company's latest Annual Information Form, filed with Canadian securities regulatory authorities at www.sedar.com, and filed under Form 40-F with the United States Securities Exchange Commission at www.sec.gov/edgar.shtml. The risks described in the Annual Information Form (filed and viewable on www.sedar.com and www.sec.gov/edgar.shtml), and available upon request from the Company) are hereby incorporated by reference into this presentation.

The Company disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as required by applicable law.

All amounts in this presentation are expressed in U.S. dollars except as otherwise noted.

Technical Information and Qualified Persons

The mineral resource estimates contained in this news release have been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"). The "Qualified Person" responsible for the review and approval of all year-end mineral resource and reserve estimates for IAMGOLD contained herein is Lise Chenard, Eng., Director, Mining Geology. Lise has worked in the mining industry for more than 35 years, mainly in operations, project development and consulting. She joined IAMGOLD in April 2013 and acquired her knowledge of the Company's operations and projects through site visits, information reviews and ongoing communication and oversight of mine site technical service teams or consultants responsible for resource and reserve modeling and estimation. She is considered a "Qualified Person" for the purposes of NI 43-101 with respect to the mineralization being reported on. The technical information has been included herein with the consent and prior review of the above noted Qualified Person. The Qualified person has verified the data disclosed, and data underlying the information or opinions contained herein.

The technical information for Sadiola contained in this presentation has been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"). The "Qualified Person" responsible for the supervision of the preparation and review of all technical information for IAMGOLD is Philippe Gauthier, BSc. Mechanical Engineering and MASc Mechanical Engineering, the Director Development Projects for IAMGOLD. Philippe has worked as mechanical engineer for 28 years, mainly in mining and project development. He joined IAMGOLD in 2008 and acquired his knowledge of Sadiola through his work on the Infrastructure and Plant Engineering for an internal feasibility report in 2010, his work to update the documentation and engineering subsequent to that report and his most recent site visit on August 28, 2015. He is considered a "Qualified Person" for the purposes of NI 43-101 with respect to the technical information being reported on. The technical information has been included herein with the consent and prior review of the above noted Qualified Person. The Qualified person has read and verified the data disclosed, and data underlying the information or opinions contained herein.

Drilling results in this presentation have been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects. The sampling of, and assay data from, drill core is monitored through the implementation of a quality assurance - quality control (QA-QC) program designed to follow industry best practice. The "Qualified Person" responsible for the supervision of the preparation, verification, and review of these results is Craig MacDougall, P.Geo., Senior Vice President, Exploration for IAMGOLD. Mr. MacDougall is a Qualified Person as defined by National Instrument 43-101.

Loma Larga - PEA Qualified Persons and NI 43-101 Disclosure The technical information in this presentation has been prepared by independent Qualified Persons employed by Roscoe Postle Associates Inc. ("RPA"), including Katharine Masun, P.Geo. (Mineral Resources), Jason Cox, P.Eng. (Mineral Reserves and economics), and Kathleen Altman, Ph.D., P.E. (metallurgy and processing). By virtue of education and relevant experience, the aforementioned are "Qualified Persons" for the purpose of NI 43-101.

For readers to fully understand the information in this presentation, they should read the Technical Report in its entirety, including all qualifications, assumptions and exclusions that relate to the information set out in the Technical Report which qualifies the technical information contained in the Technical Report. The Technical Report is intended to be read as a whole, and sections should not be read or relied upon out of context. The Technical Report describes the Mineral Resource and Mineral Reserve estimation methodologies and the assumptions used, and to which those estimates are subject. INV Metals' AIF includes details of certain risk factors that could materially affect the potential development of the Mineral Resources and Mineral Reserves and should be considered carefully. A discussion of these and other factors is contained in "Risk Factors" and elsewhere in the Company's AIF, which was filed on SEDAR on March 1, 2016.

Cautionary Note to Investors Concerning Estimates of Measured and Indicated Resources

This presentation uses the term "indicated resources". We advise investors that while that term is recognized and required by Canadian regulations, the United States Securities and Exchange Commission (the "SEC") does not recognize them. Investors are cautioned not to assume that any part or all of mineral deposits in these categories will ever be converted into reserves.

Cautionary Note to Investors Concerning Estimates of Inferred Resources

This presentation also uses the term "inferred resources". We advise investors that while this term is recognized and required by Canadian regulations, the SEC does not recognize it. "Inferred resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to a higher category. Under Canadian rules, estimates of inferred mineral resources may not form the basis of feasibility or pre-feasibility studies, except in rare cases. Investors are cautioned not to assume that part or all of an inferred resource exists, or is economically or legally mineable.

IAMGOLD: Building a Cash Flow Pipeline

Our vision is to be the global leader in generating superior value for our stakeholders through accountable mining.



Creating Superior Stakeholder Value

SELF-FUNDING, SELF-SUSTAINING, SAFE & PROFITABLE

- Operating cost management to achieve positive cash-flow;
- Capital expenditures reflect value-adding initiatives.

Operational improvements at our current sites:

- Debottleneck Essakane mill;
- Essakane CIL/Heap Leach Feasibility Study (align to self funding goals, Q3);
- Continue Saramacca development;
- Redesign in progress at Westwood.

Disciplined approach to realizing value:

- Right-sizing Westwood;
- First production from Saramacca;
- Issue Nelligan Initial Resource Estimate;
- Exploitation concession at Boto well advanced;
- Work within budget for all development projects.

Our Operations



Essakane, Burkina Faso



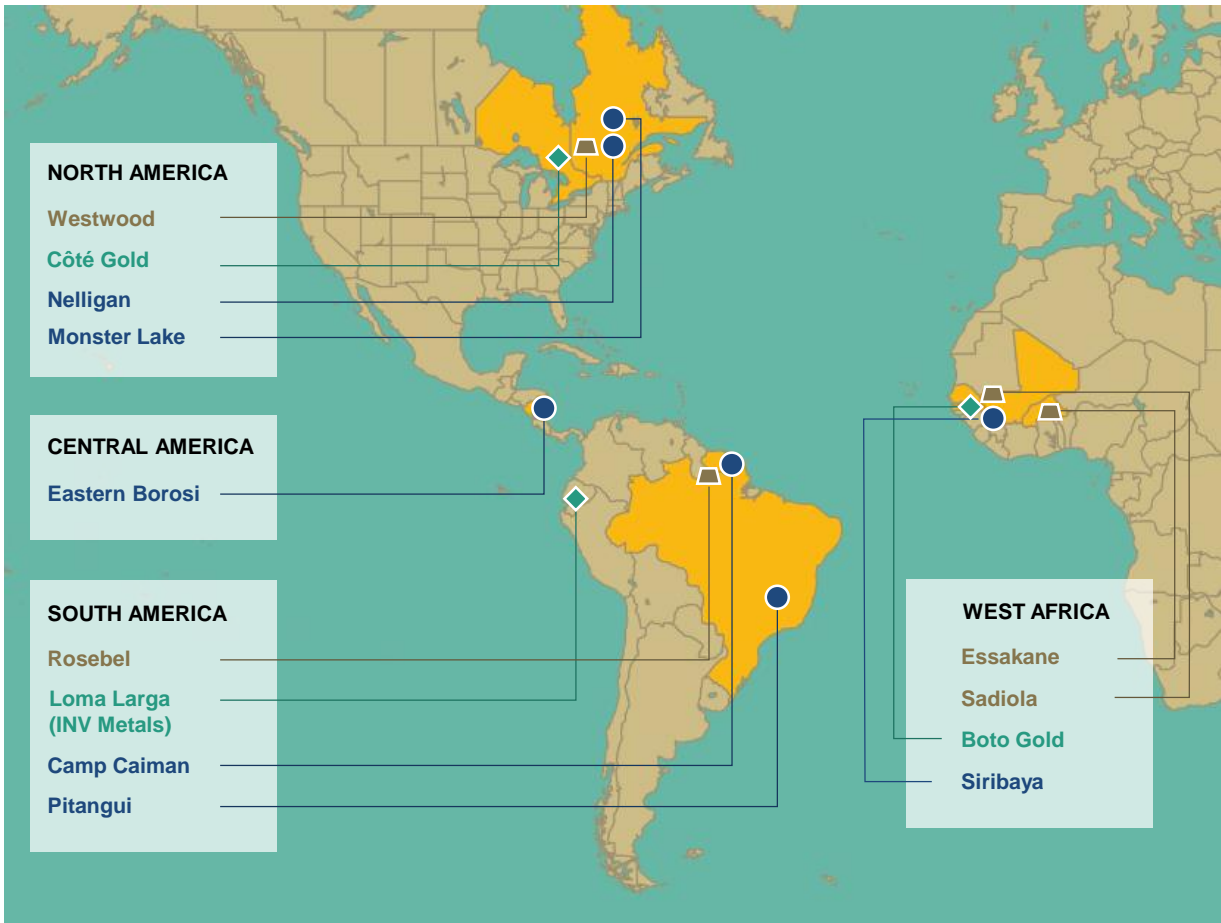
Rosebel, Suriname



Westwood, Canada

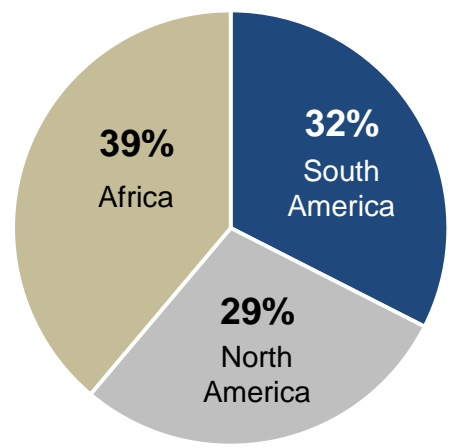
Diversifying Our Portfolio

MAP OF OPERATING, DEVELOPMENT AND EXPLORATION PROJECTS



- ▲ Operating Mine
- ◆ Development Project
- Advanced Exploration

ATTRIBUTABLE MEASURED AND INDICATED RESOURCES



As at Dec 31, 2018

Maintaining a Strong Balance Sheet

MAINTAINING LIQUIDITY WELL ABOVE \$1 BILLION

Cash and cash equivalents	\$609.7 M
Short-term investments	\$ 50.7 M
Available credit facility	\$499.6 M
Total Liquidity As at June 30, 2019	\$1,160 M
Forward Sale Funds Receipt: Dec. 2019	+ \$170 M

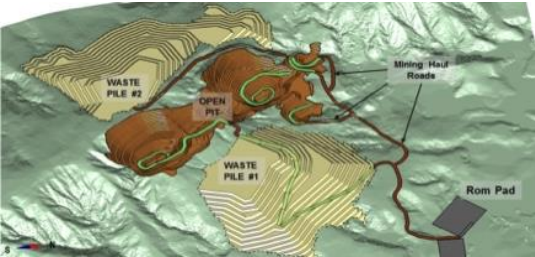
On January 15, 2019, IMG entered into a forward gold sale arrangement to receive \$170 M in exchange for delivering 150,000 ounces of gold in 2022¹.

- Funding provided to IAMGOLD in December 2019
- Floor price of \$1,300 per ounce and cap price of \$1,500 per ounce
- Delivery can be made from the production of gold from any of IMG’s operations
- Cost of arrangement is 5.38% per annum

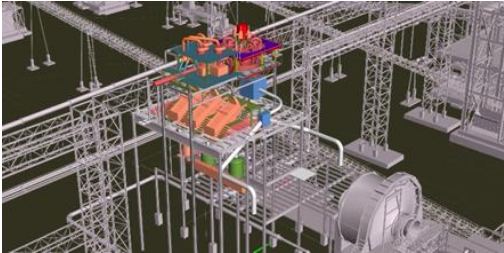
¹ Refer to IAMGOLD news release dated January 15, 2019

Ensuring a Robust Pipeline

FUTURE PRODUCTION OPPORTUNITIES



Saramacca, Suriname



Mill Optimization, Burkina Faso



Côte Gold Project, Canada



Boto Gold Project, Senegal



Pitangui Project, Brazil



Loma Larga, Ecuador

GROWTH OPPORTUNITIES

Monster Lake Quebec

Nelligan Quebec

Diakha-Siribaya Mali

Eastern Borosi Nicaragua

Financial Highlights



Operating and Financial Highlights

<i>(In \$ millions, except where noted)</i>	H1'18	H1'19	Variance
Attributable production (000s oz)	443	383	14%
Attributable sales (000s oz)	450	377	16%
Total cash costs (\$/oz) ¹	\$773	\$890	15%
AISC (\$/oz) ¹	\$1,012	\$1,109	10%
Revenue ²	\$592	\$498	16%
Gross profit	\$105	\$6	94%
Net operating cash flow	\$157	\$49	69%
Net operating cash flow before changes in working capital ¹	\$193	\$76	61%
Adjusted net earnings ^{1,3}	\$53	-\$18	134%
Adjusted EPS ^{1,3} (\$/share)	\$0.11	-\$0.04	\$0.15
Capital Expenditures	\$143	\$135	6%

¹ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.

² Revenue excludes equity accounted Joint Ventures.

³ Attributable to equity holders.

* Numbers presented in this table may differ from actuals & may not calculate due to rounding.

Recent Financial Achievements

MOODY'S UPGRADES TO BA3¹

On September 28, 2018, Moody's Investor Services upgraded long-term corporate credit rating to Ba3 from B1 with a stable outlook.

CREDIT FACILITY²

On November 15, 2018, amended credit facility to increase the amount to \$500 million (from \$250 million) and extended the term to 2023. In addition, terms were also modified to provide a \$100 million accordion feature as well as provide leasing for up to \$250 million (from \$125 million)

GOLD PREPAY ARRANGEMENT³

On January 15, 2019, IMG entered into a forward gold sale arrangement:

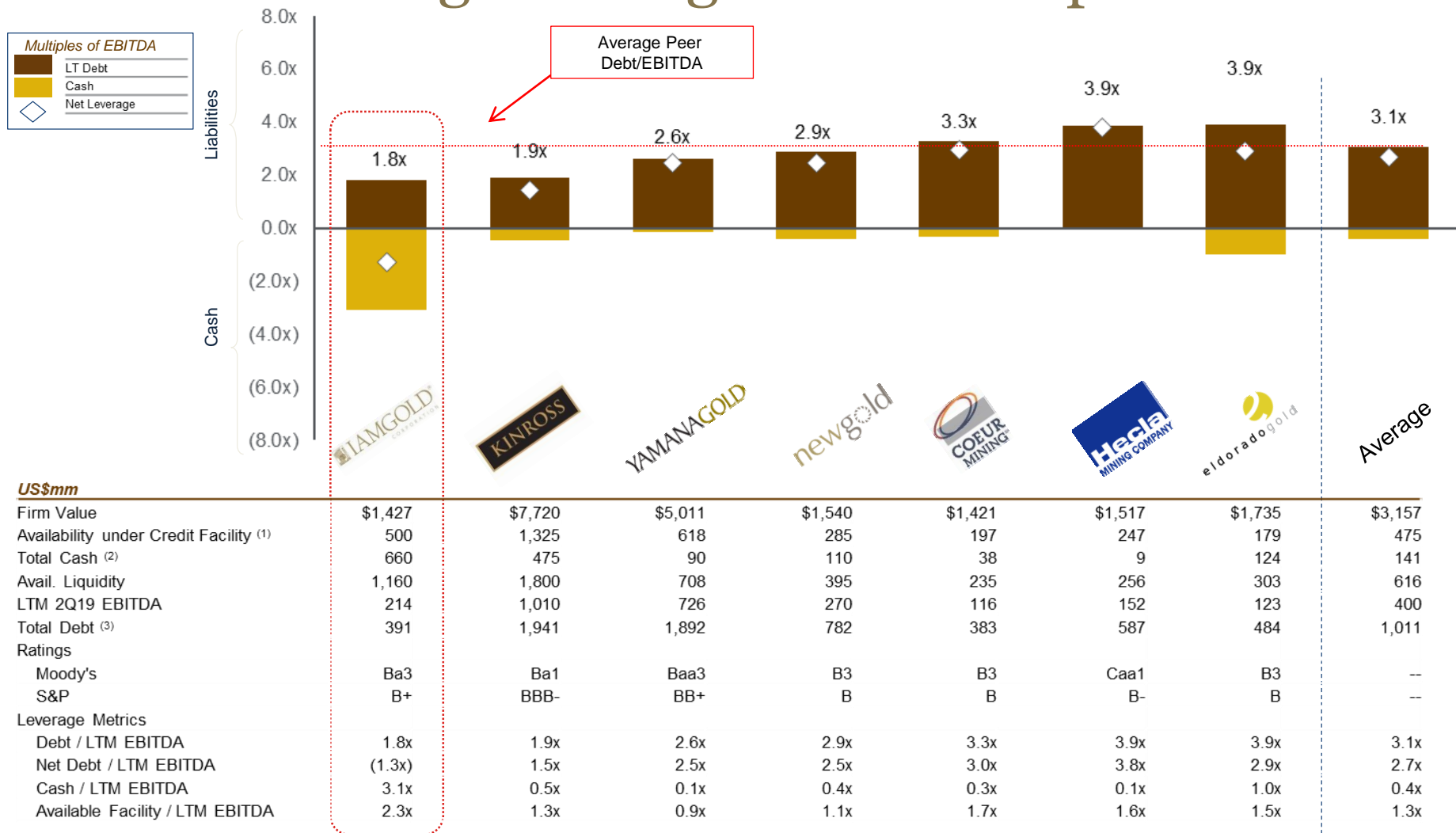
- Receive \$170 million in December 2019
- Deliver 150,000 ounces of gold in 2022²
- Floor price of \$1,300 per ounce and cap price of \$1,500 per ounce
- Delivery can be made from the production of gold from any of IMG's operations
- Cost of arrangement is 5.38% per annum

¹ See Moody's ratings action dated September 28, 2018

² See IAMGOLD news release dated November 15, 2018

³ See IAMGOLD news release dated January 15, 2019

Lowest Leverage Amongst Peer Group



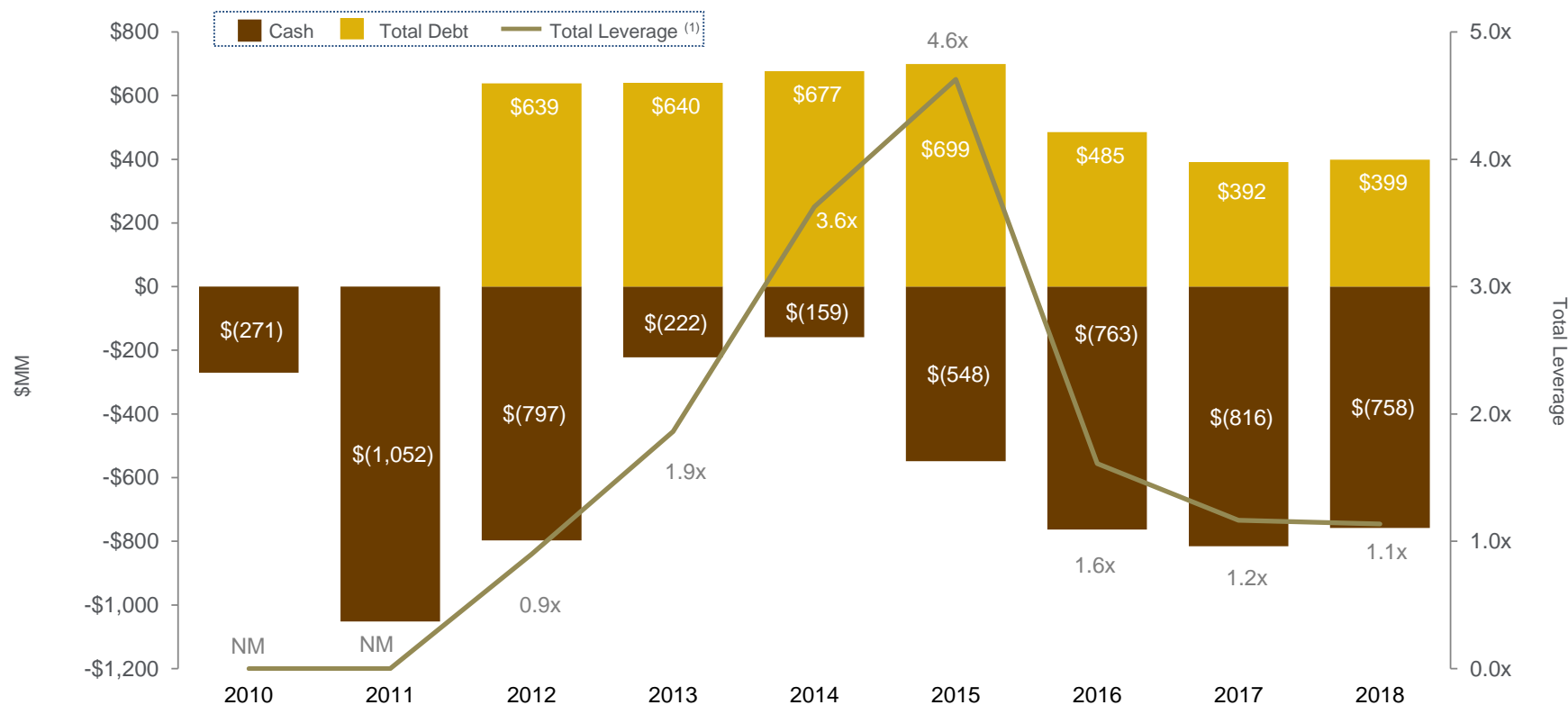
Source: FactSet, Company Filings. Market data as of September 18th 2019, Company Filings as of June 30th 2019

1 Availability as of June 30th 2019, which also excludes amount utilized for Letters of Credits.

2 Includes Short-Term Investments

3 Total Debt excludes Leases

Cash and Debt – Historical Balances



Peer Group Avg. Total Leverage ²	0.9x	0.5x	1.0x	1.8x	3.1x	2.7x	2.1x	2.9x	2.9x
Net Cash (Debt) ³	\$271	\$1,052	\$158	(\$418)	(\$518)	(\$151)	\$167	\$400	\$336
Cash Costs per oz	\$482	\$573	\$637	\$743	\$822	\$840	\$712	\$743	\$793
AISC per oz.	N/A	N/A	\$998	\$1,162	\$1,090	\$1,145	\$1,056	\$1,003	\$1,057

1 Leverage calculated on an unadjusted basis.

2 Peer Group includes: Coeur, Kinross, Hecla, Yamana, New Gold, Eldorado.

3 Excludes restricted cash

Hedging Summary – Reducing Input Exposure

Fuel hedges of planned consumption

- › WTI oil – coverage for 5 years
 - 2019 – 90% using zero cost collar options with strike prices between \$40-\$60/barrel
 - 2020 & 2021 – 75% using zero cost collar options with strike prices between \$43-\$62/barrel
 - 2022 & 2023 – 49% using zero cost collar options with strike prices between \$45-\$62/barrel

- › Brent oil – coverage for 4 years
 - 2019 – 90% using zero cost collar options with strike prices between \$44-\$65/barrel
 - 2020 & 2021 – 75% using zero cost collar options with strike prices between \$50-\$65/barrel
 - 2022 – 50% using zero cost collar options with strike prices between \$53-\$65/barrel

Currency hedges of planned expenditures

- › CAD – coverage for 2 years
 - 2019 – 75% using zero cost collar options with strike prices between \$1.25 - \$1.39 and a spot purchase
 - 2020 – 50% using zero cost collar options with strike prices between \$1.30 - \$1.36

- › EURO – coverage for 1 year
 - 2019 – 75% using zero cost collar options with strike prices between €1.13 - €1.20 and a spot purchase

Capital Allocation

UPDATE ON SELF-FUNDING MODEL

- Mine sites tasked with **free cash flow generation**:
 - Must cover operating, sustaining and site expansion projects
- **Mine sites additionally fund** corporate, exploration and financing.
- **New growth projects** would be funded from the balance sheet.
 - Only when market conditions allow
 - Only once self-funding and Saramacca substantially online
- **Reviewing mine plans** for margin and free cash flow



Leveraging Existing Asset Base



Photo: Wärtsilä

Environmental, Social and Governance (ESG)

Zero Harm remains both a goal and journey:

- Respecting the natural environment, building strong community partnerships and putting the health and safety of our employees first.

Strong environmental, social, and governance practices have always been part of the way IAMGOLD conducts business:

- As a member of the Mining Association of Canada, IAMGOLD is proud to implement the **Toward Sustainable Mining** framework at all operations, one of the first members to do so.
- Implementing the World Gold Council's **Responsible Gold Mining Principles**, designed to provide confidence to investors, supply chain participants, and other stakeholders that gold has been produced responsibly.
- IAMGOLD has worked hard to ensure we rethink the traditional mining model while staying profitable and sustainable in a world that faces new environmental and operational realities, receiving recognition for our ongoing efforts:
 - › Ranking as one of the **2019 Top 50 Sustainable Companies in Canada** by Corporate Knights;
 - › Inclusion in the **2019 Bloomberg Gender Equality Index** for organizational commitment to equality and advancement women in the workplace.
- 2018 highlights include:
 - › Commissioning of the **world's largest hybrid solar/thermal plant** at Essakane, Burkina Faso
 - › Investment of \$1.35 million to **improve community access to high-quality medical care** in Suriname
 - › **Renewal of our financial commitment with Laurentian University** in Ontario, contributing \$2 million over 5 years to the engineering department
 - › Signing of an **Impact & Benefit Agreement** with Mattagami First Nation and Flying Post First Nation in Northern Ontario

Near Term Catalysts

H1 2019

- ✓ \$170 Million Gold Prepay Agreement
- ✓ Diahka-Siribaya Updated Resource

H2 2019

Essakane CIL and Heap Leach Feasibility Study
Saramacca Production Targeted
Expect delivery of Boto Mining Permit
Nelligan Initial Resource
Preliminary Westwood Plan Update

2020

Saramacca Full Production
Essakane Debottleneck

2019 Production and Cost Guidance

REFLECTS YTD PROGRESS AND H2 EXPECTATIONS

	Updated Guidance	Previous Guidance ¹
Essakane (000s oz)	380 – 390	375 – 390
Rosebel (000s oz)	240 – 260	315 – 330
Westwood (000s oz)	95 – 105	100 – 120
Total owner-operated production (000s oz)	715 – 755	790 – 840
Sadiola Joint Venture (000s oz)	50 – 55	20 – 30
Total attributable production (000s oz)	765 – 810	810 – 870
Cost of sales² (\$/oz)	\$910 – \$960	\$790 – \$840
Total cash costs ³ – owner-operator (\$/oz)	\$860 – \$910	\$765 – \$815
Total cash costs^{3,4} (\$/oz)	\$860 – \$910	\$765 – \$815
All-in sustaining costs ³ – owner-operator (\$/oz)	\$1,100 – \$1,140	\$1,030 – \$1,080
All-in sustaining costs^{3,4} (\$/oz)	\$1,090 – \$1,130	\$1,030 – \$1,080

¹ The revised outlook is based on 2019 full year assumptions with an average realized gold price of \$1,300 per ounce, U.S.\$ / Canadian \$ exchange rate of 1.33, € / U.S.\$ exchange rate of 1.13 and average crude oil price of \$63 per barrel.

² The previous outlook was based on 2019 full year assumptions with an average realized gold price of \$1,225 per ounce, U.S.\$ / Canadian \$ exchange rate of 1.30, € / U.S.\$ exchange rate of 1.15 and average crude oil price of \$62 per barrel.

³ Cost of sales, excluding depreciation, is on an attributable ounce sold basis (excluding the non-controlling interest of 10% at Essakane and 5% at Rosebel) and does not include the Sadiola Joint Venture which is accounted for on an equity basis.

⁴ This is a non-GAAP measure. Refer to the non-GAAP performance measures section of this MD&A.

⁵ Consists of Essakane, Rosebel, Westwood and the Sadiola Joint Venture on an attributable basis.

2019 Capex Outlook

GUIDANCE UPDATED AT Q2

\$millions	Updated Guidance			Previous Guidance		
	Sustaining ¹	Non-Sustaining	Total	Sustaining ¹	Non-Sustaining	Total
Essakane	\$40	\$70	\$110	\$55	\$70	\$125
Rosebel	\$40	\$50	\$90	\$70	\$75	\$145
Westwood	\$15	\$20	\$35	\$15	\$30	\$45
Owner-operator	\$95	\$140	\$235	\$140	\$175	\$315
Corporate and Development Projects ²	-	\$40	\$40	-	\$40	\$40
Total (±5%)^{3,4}	\$95	\$180	\$275	\$140	\$215	\$355

¹ Sustaining capital includes capitalized stripping of \$5 million for Essakane and \$2 million for Rosebel. In accordance with the World Gold Council guidance on all-in sustaining costs, capitalized stripping of \$35 million is included in non-sustaining capital for Essakane.

² Includes estimated attributable capital expenditures for the Côté Gold Project (70%) for the first nine months of 2019.

³ Includes \$14 million of capitalized exploration and evaluation expenditures. Refer to the Exploration section of this MD&A.

⁴ Excludes capitalized borrowing costs and \$10 million of principal lease payments.

Rosebel Gold Mine, Suriname



Rosebel – Overview

OVERVIEW

Ownership	<ul style="list-style-type: none">95% IAMGOLD, 5% Government of Suriname
Mining Method	<ul style="list-style-type: none">Conventional open pit methods
Production Status	<ul style="list-style-type: none">Began commercial production in 2004
LOM	<ul style="list-style-type: none">Updated 43-101 disclosed Q3 2018 with mine life to 2033, including Saramacca
2019 Guidance	<ul style="list-style-type: none">240 – 260 koz\$40mm sustaining capex\$60mm non-sustaining capex

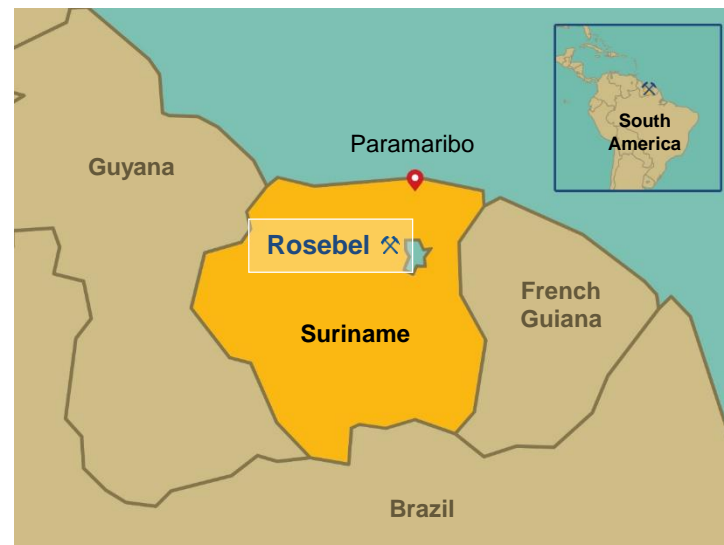
KEY INITIATIVES

To improve mined volumes, recoveries, communiton, productivity and safety performance.

Increased Reserves & Resources

- Rosebel's 39% increase in reserves extends mine life to 2033 including Saramacca

Brokopondo district in north eastern Suriname



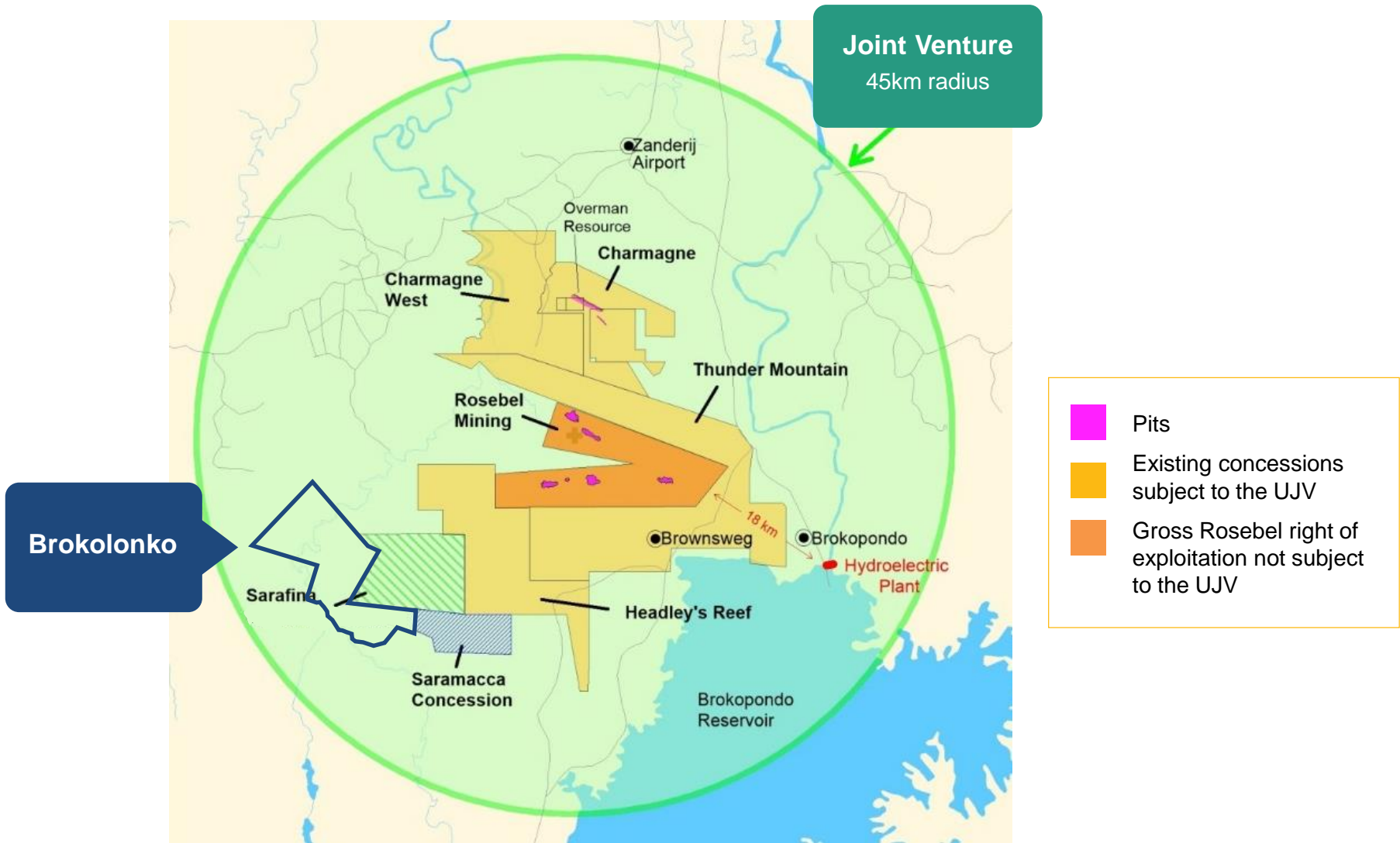
Saramacca Development

- ESIA and mining permits granted
- Target first production in H2 2019
- Pit optimization and underground being studied

Consolidating Prospective Land Packages

- Secured exploration rights to the Brokolonko property

Rosebel – Consolidating a Gold District



Saramacca Progress: Roadwork



Essakane Gold Mine, Burkina Faso



Essakane – Overview

OVERVIEW

Ownership	<ul style="list-style-type: none"> 90% IAMGOLD, 10% Government of Burkina Faso
Mining Method	<ul style="list-style-type: none"> Conventional drill, blast, load and haul surface mining method
Production Status	<ul style="list-style-type: none"> Began commercial production in July 2010 Plant expansion was completed on time and under budget at the end of 2013 Expanded plant nameplate capacity on 100% hard rock from 10.8 Mtpa to 12.0 Mtpa Falagountou satellite deposit mining commenced in 2015
LOM	<ul style="list-style-type: none"> 2018 LOM, with Heap Leach in series demonstrate life to 2030
2019 Guidance	<ul style="list-style-type: none"> 380 – 390koz \$40mm sustaining capex \$70mm non-sustaining capex

KEY INITIATIVES

CIL (carbon-in-leach) Debottlenecking

- Improve throughput and gravity recovery
- ~10% Increase in CIL Mill throughput on hard rock 2020+

Falagountou & Satellite Prospects

- Growing 4 satellite prospects within 10–15 km of mill
- Gossey initial attributable resource of 338 koz¹

¹ Refer to IAMGOLD news release dated Feb 19, 2019

North-eastern Burkina Faso, West Africa



Heap Leaching

- Heap Leach at end of mine life, after CIL
- Will use existing CIL crushing circuit
- Expect to complete Feasibility Study in H2 2019
- Potential to transform Essakane with additional 3–5 years of mine life

Essakane – Regional Exploration Targets

BROWNFIELD SUCCESS

- ~1 Moz of resources delineated at Falagountou West and East, 8 kilometres east of Essakane; evaluating potential to increase resources at both deposits
- Approximately 24km RC and diamond drilling on the mine lease and surrounding concessions planned for 2019

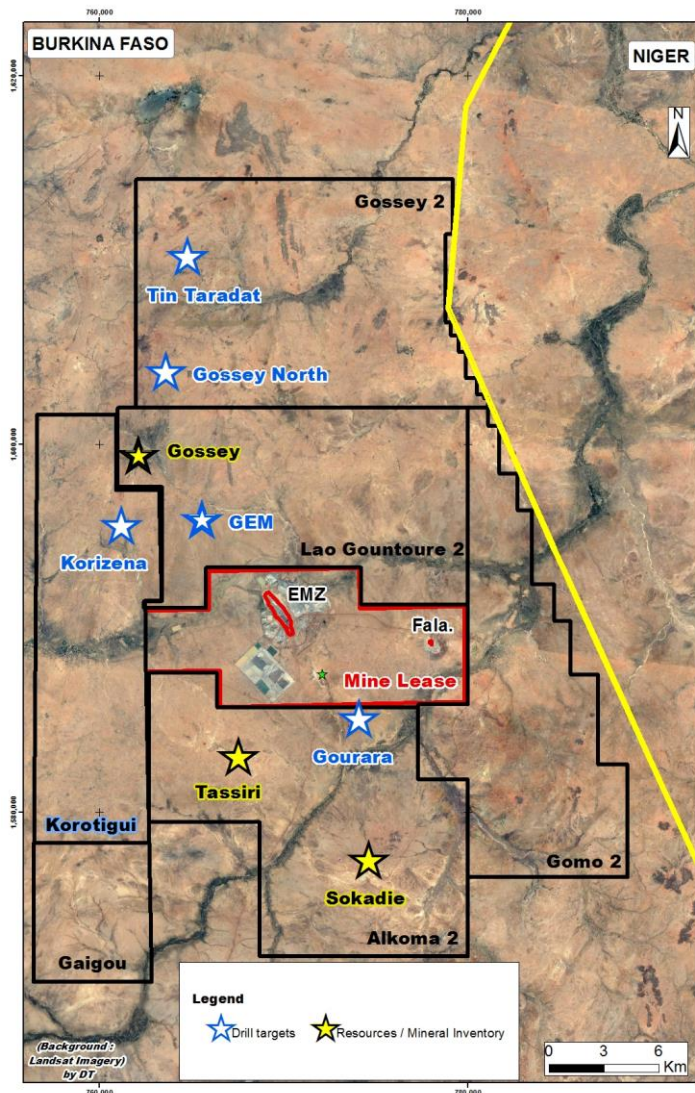
GOSSEY DELINEATION DRILLING PROGRAM

- Initial Resource Estimate¹ with over 70% of the delineated resources contained within shallow, soft, saprolite and transition hosted mineralization:
- 10.5 Mt of Indicated Resources grading 0.87 g/t for 291koz
- 2.9 Mt of Inferred Resources averaging 0.91 g/t for 85koz

2018 EXPLORATION PROGRAM

- Gossey-Korizena trend +20 km, anomaly adjacent to Markoye shear
 - › Numerous artisanal sites, encouraging RC drill results
- Continued exploration along trend of other regional targets:
 - › Tin Taradat | Gourara | Tassiri | Sokadie

¹ Refer to IAMGOLD news release dated Dec 12, 2018



Westwood Gold Mine, Canada



Westwood – Overview

OVERVIEW

Ownership	<ul style="list-style-type: none"> 100% IAMGOLD
Mining Method	<ul style="list-style-type: none"> Underground
Production Status	<ul style="list-style-type: none"> Commenced commercial production July 2014 Progressing development
LOM	<ul style="list-style-type: none"> Mine life to 2033
2019 Guidance	<ul style="list-style-type: none"> 95 – 105koz \$15mm sustaining capex \$20mm non-sustaining capex

KEY INITIATIVES

Progressing Development

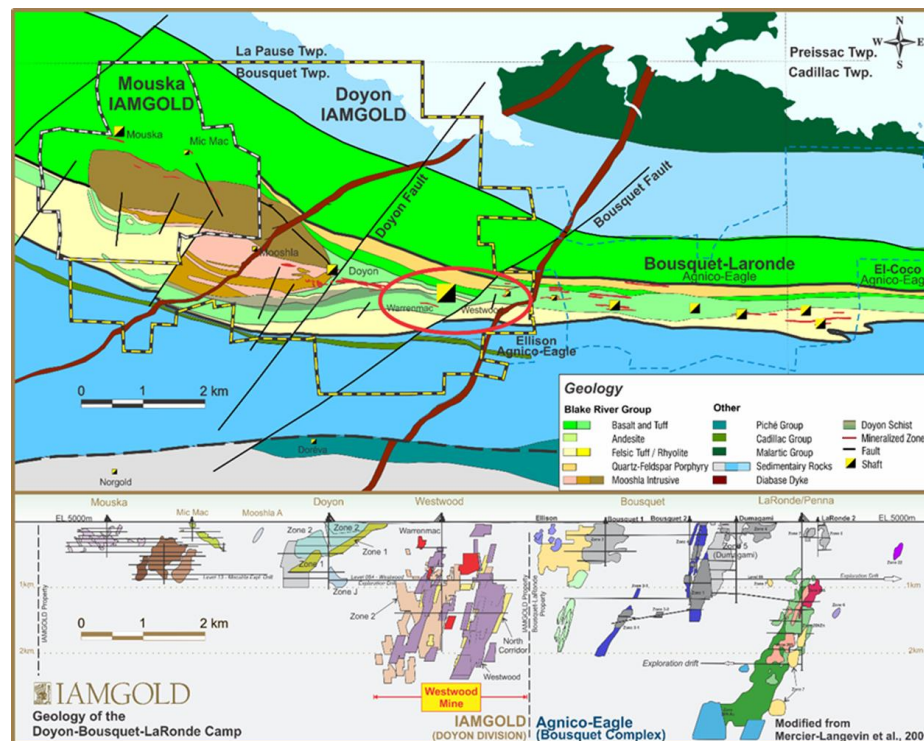
- Plan under review

Significant Resource Conversion Year over Year

- Reserves increased by 3% year-over-year to 1.2 Moz¹

¹ Refer to news release dated Feb 19, 2019

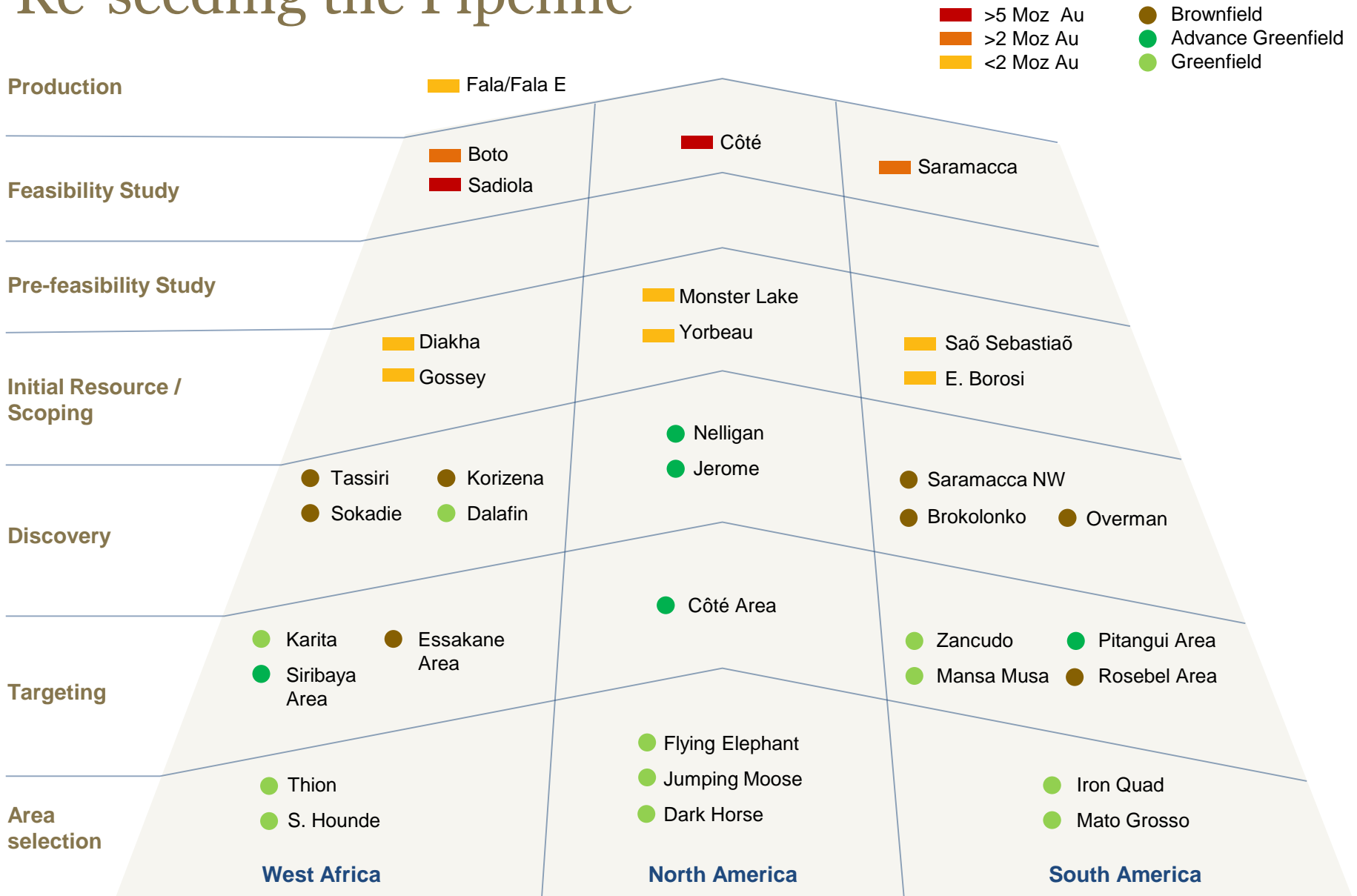
Northwestern Québec – A Prolific Gold Mining Camp



Strategic Review Study

- Geotechnical management plan implemented
- Improved micro-seismic system
- Improved ground control packages

Re-seeding the Pipeline



IAMGOLD: Building a Cash Flow Pipeline

Our vision is to be the global leader in generating superior value for our stakeholders through accountable mining.



Appendix

Development Projects



Côte Gold Project Ontario (64.75%)

OVERVIEW

Location	<ul style="list-style-type: none"> Gogama, Ontario, 130 km southwest of Timmins; 200 km northwest of Sudbury Land package covering 500 km²
Ownership	<ul style="list-style-type: none"> 70% IAMGOLD / 30% Sumitomo JV
Infrastructure	<ul style="list-style-type: none"> 6km off of a major highway Close to two main rail lines Existing power supply within 45 km of site



1 Refer to news release dated November 1, 2018

FEASIBILITY STUDY HIGHLIGHTS¹ - 100% Basis

Mining: open pit	Mine Capacity: 62 Mtpa
Process: crush, grind, gravity, leach, CIP	Mill Capacity: 13.1 Mtpa
Mill Daily Throughput	36,000 tpd
LOM Average Annual Gold Production	367,000 oz
LOM Recovered Gold	5.9 Moz
LOM Average Recovery Rate	91.8%
Mine Life	16 years
LOM Average Total Cash Costs	\$594/oz
LOM Average AISC	\$694/oz
Average Grade	0.98 g/t Au
Average LOM Strip Ratio	2.4:1

Estimated capital expenditure

Initial Capital	\$1,147 million
Sustaining Capital	\$527 million

Investment metrics

Gold Price Assumption	\$1,250/oz
After-tax NPV (6%)	\$795 million
After-tax IRR	15.2%
Payback Period	4.4 years

Boto Gold Senegal (90%)

OVERVIEW

Location	<ul style="list-style-type: none"> Senegal, West Africa Along same trend as B2Gold's Fekola Mine in Mali
Ownership	<ul style="list-style-type: none"> 90% IAMGOLD / 10% Government of Senegal

RESERVE AND RESOURCE (100% Basis)

	Tonnes (000)	Grade (g/t)	Contained ounces (000 Au)
Probable Reserves¹	35,060	1.71	1,926
Measured & Indicated^{1,2}	48,045	1.61	2,487
Inferred¹	2,483	1.80	144

1 Refer to news release dated February 19, 2019

2 Inclusive of Reserves

3 Refer to news release dated Oct 22, 2018

FEASIBILITY STUDY HIGHLIGHTS³ - 100% Basis

Mining: open pit	Mine Capacity: 18.2 Mtpa
Process: crush, grind, leach, CIP	Mill Capacity: 2.75 Mtpa
Mill Daily Throughput	7,500 tpd
LOM Average Annual Gold Production	140,000 oz
LOM Recovered Gold	1.7 Moz
LOM Average Recovery Rate	89.5%
Mine Life	12.8 years
LOM Average Total Cash Costs	\$714/oz
LOM Average AISC	\$753/oz
Average Grade	1.71 g/t Au
Average LOM Strip Ratio	5.8:1
Estimated capital expenditure	
Initial Capital	\$254 million
Sustaining Capital	\$66 million
Investment metrics	
Gold Price Assumption	\$1,250/oz
After-tax NPV (6%)	\$261 million
After-tax IRR	23.0%
Payback Period	3.4 years

Mineral Reserves and Resources

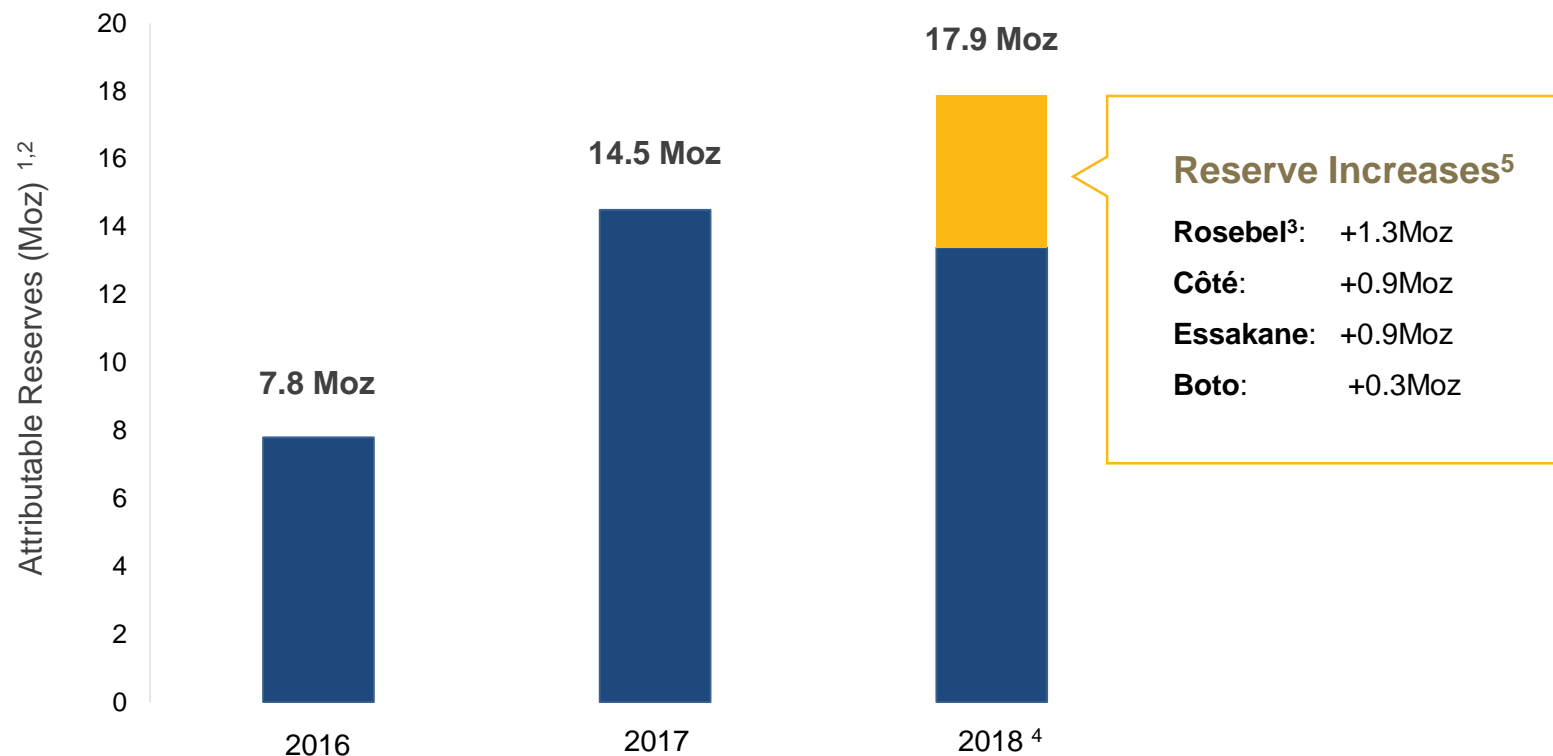
2018 Mineral Reserves and Resources

Mineral resources (“resources”) and mineral reserves (“reserves”) have been estimated as at December 31, 2018 pursuant to Canadian securities regulatory requirements, specifically the requirements of National Instrument 43-101 and the definitions of resources and reserves incorporated therein. Consistent with National Instrument 43-101, resources are divided into “inferred,” “indicated” and “measured” based on the level of geological confidence in the mineralization, and reserves, into “probable” and “proven” upon at least a pre-feasibility study having been undertaken on the indicated and measured resources. Measured and indicated resources are inclusive of proven and probable reserves. Mineral resources that are not mineral reserves do not have demonstrated economic viability and are not guaranteed to have economic viability. Inferred resources are too speculative geologically to have any economic considerations applied to them that would allow a translation into reserves.

Cautionary Notes to U.S. Investors

The United States Securities and Exchange Commission (“SEC”) limits disclosure for U.S. reporting purposes to mineral deposits that a company can economically and legally extract or produce. IAMGOLD uses certain terms in the Annual Report, such as “measured,” “indicated,” or “inferred,” which may not be consistent with the reserve definitions established by the SEC. U.S. investors are urged to consider closely the disclosure in the IAMGOLD Annual Reports on Forms 40-F filed with the SEC.

129% Increase in Reserves Since 2016



1 Mineral reserves have been estimated at December 31, 2017 and 2018 using a gold price of \$1,200 per ounce for owner operated mines and development projects and Sadiola

2 Mineral reserves have been estimated at December 31, 2016 using a gold price of \$1,200 per ounce for owner-operated mines and development projects, and \$1,100 per ounce for Sadiola

3 Includes Saramacca deposit

4 Refer to IAMGOLD news release dated February 12, 2019

5 Net of depletion

*Reserve numbers included on this slide have been rounded

Gold Mineral Reserves¹

100% BASIS RESERVES

As at December 31, 2018	Proven			Probable		
	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)
Rosebel	29,776	0.6	587	100,583	1.0	3,208
Saramacca	—	—	—	26,549	1.8	1,542
Essakane	—	—	—	148,812	0.9	4,380
Westwood	1,317	7.9	336	3,627	7.5	875
Sadiola	118	1.7	6	63,674	1.9	3,971
Côte Gold	139,253	1.0	4,640	93,747	0.9	2,644
Boto Gold	—	—	—	35,060	1.7	1,926
Total proven reserves				170,464	1.0	5,569
Total probable reserves				472,052	1.2	18,546
Total proven and probable reserves				642,516	1.2	24,116

¹ Mineral reserves have been estimated at December 31, 2018 using a gold price of \$1,200 per ounce for Essakane, Rosebel, Westwood, Sadiola, Côte Gold Project and Boto Gold Project.

Gold Mineral Reserves¹

ATTRIBUTABLE RESERVES

As at December 31, 2018	Proven			Probable		
	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)
Rosebel (95%)	28,287	0.6	558	95,554	1.0	3,048
Saramacca (66.5%)	—	—	—	17,655	1.8	1,025
Essakane (90%)	—	—	—	133,931	0.9	3,942
Westwood (100%)	1,317	7.9	336	3,627	7.5	875
Sadiola (41%)	48	1.7	3	26,106	1.9	1,628
Côte Gold (64.75%)	90,166	1.0	3,004	60,701	0.9	1,712
Boto Gold (100%)	—	—	—	31,554	1.7	1,733
Total proven reserves				119,819	1.0	3,901
Total probable reserves				369,128	1.2	13,964
Total proven and probable reserves				488,947	1.1	17,864

¹ Mineral reserves have been estimated at December 31, 2018 using a gold price of \$1,200 per ounce for Essakane, Rosebel, Westwood, Sadiola, Côte Gold Project and Boto Gold Project.

Gold Mineral Resources^{1,2}

(Measured and Indicated Resources are Inclusive of Proven and Probable Reserves)

100% BASIS RESOURCES

As at December 31, 2018	Measured			Indicated			Inferred		
	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)
Rosebel	35,645	0.6	771	256,835	0.9	7,683	64,770	0.9	1,793
Saramacca	—	—	—	27,938	2.0	1,763	11,825	0.7	273
Essakane	—	—	—	173,041	1.0	5,287	13,811	1.1	470
Gossey	—	—	—	10,454	0.9	291	2,939	0.9	85
Westwood	1,007	11.9	385	3,169	10.8	1,101	5,494	9.5	1,680
Sadiola	118	1.7	6	117,647	1.8	6,904	17,643	1.7	956
Côte Gold	171,900	1.0	5,310	183,500	0.8	4,660	112,800	0.7	2,430
Boto Gold	—	—	—	48,045	1.6	2,487	2,483	1.8	144
Monster Lake	—	—	—	—	—	—	1,110	12.1	433
Eastern Borosi	—	—	—	—	—	—	4,418	5.7	812
Pitangui	—	—	—	—	—	—	5,365	4.7	819
Diakha-Siribaya	—	—	—	18,031	1.3	744	23,179	1.6	1,176
Total measured resources							208,670	1.0	6,412
Total indicated resources							838,660	1.1	30,920
Total measured and indicated resources³							1,047,330	1.1	37,333
Total inferred resources							265,837	1.3	11,071

1 Mineral resources have been estimated at December 31, 2018, using a gold price of \$1,500 per ounce for Essakane, Rosebel, Côte Gold, Boto Gold, Saramacca, Gossey, Monster Lake, Pitangui, and Diakha-Siribaya, \$1,400 per ounce for Sadiola, and \$1,200 per ounce using a 6.0 g/t Au cut-off over a minimum width of 2 metres for Westwood.

2 Mineral resources have been estimated at December 31, 2018, using a gold price of \$1,500 per ounce gold price, and a \$23 per ounce silver price for Eastern Borosi. Underground resources are estimating using a cut-off grade of 2.0 g/t gold equivalent with

a minimum width of 2.4 m and open pit resources are estimated using a cut-off grade of 0.42 g/t gold equivalent over a 3.0 m minimum width. Resources are disclosed as gold equivalent ounces calculated using the formula: $AuEq (g/t) = Au (g/t) + Ag (g/t) / 101.8$

3 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.

4 Due to rounding, numbers presented may not add up precisely to the totals.

Gold Mineral Resources^{1,2}

(Measured and Indicated Resources are inclusive of Proven and Probable reserves)

ATTRIBUTABLE RESOURCES

As at December 31, 2018	Measured			Indicated			Inferred		
	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)	Tonnes (000s)	Grade (g/t)	Contained Ounces (000s)
Rosebel (95%)	33,863	0.6	675	243,993	0.9	7,299	61,532	0.9	1,703
Saramacca (66.5%)	—	—	—	18,579	2.0	1,172	7,864	0.7	182
Essakane (90%)	—	—	—	155,737	1.0	4,759	12,430	1.1	423
Gossey (90%)	—	—	—	9,409	0.9	262	2,645	0.9	77
Westwood (100%)	1,007	11.9	385	3,169	10.8	1,101	5,494	9.5	1,680
Sadiola (41%)	48	1.7	3	48,235	1.8	2,831	7,234	1.7	392
Côte Gold (64.75%)	111,305	1.0	3,438	118,816	0.8	3,017	73,038	0.7	1,573
Boto Gold (90%)	—	—	—	43,241	1.6	2,238	2,235	1.8	130
Monster Lake (50%)	—	—	—	—	—	—	555	12.1	217
Eastern Borosi (51%)	—	—	—	—	—	—	2,253	5.7	414
Pitangui (100%)	—	—	—	—	—	—	5,365	4.7	819
Diakha-Siribaya (90%)	—	—	—	16,228	1.3	669	20,861	1.6	1,058
Total measured resources							146,223	1.0	4,501
Total indicated resources							657,407	1.1	23,349
Total measured and indicated resources³							803,630	1.1	27,850
Total inferred resources							201,505	1.3	8,668

1 Mineral resources have been estimated at December 31, 2018, using a gold price of \$1,500 per ounce for Essakane, Rosebel, Côte Gold, Boto Gold, Saramacca, Gossey, Monster Lake, Pitangui, and Diakha-Siribaya, \$1,400 per ounce for Sadiola, and \$1,200 per ounce using a 6.0 g/t Au cut-off over a minimum width of 2 metres for Westwood.

2 Mineral resources have been estimated at December 31, 2018, using a gold price of \$1,500 per ounce gold price, and a \$23 per ounce silver price for Eastern Borosi. Underground resources are estimating using a cut-off grade of 2.0 g/t gold equivalent with

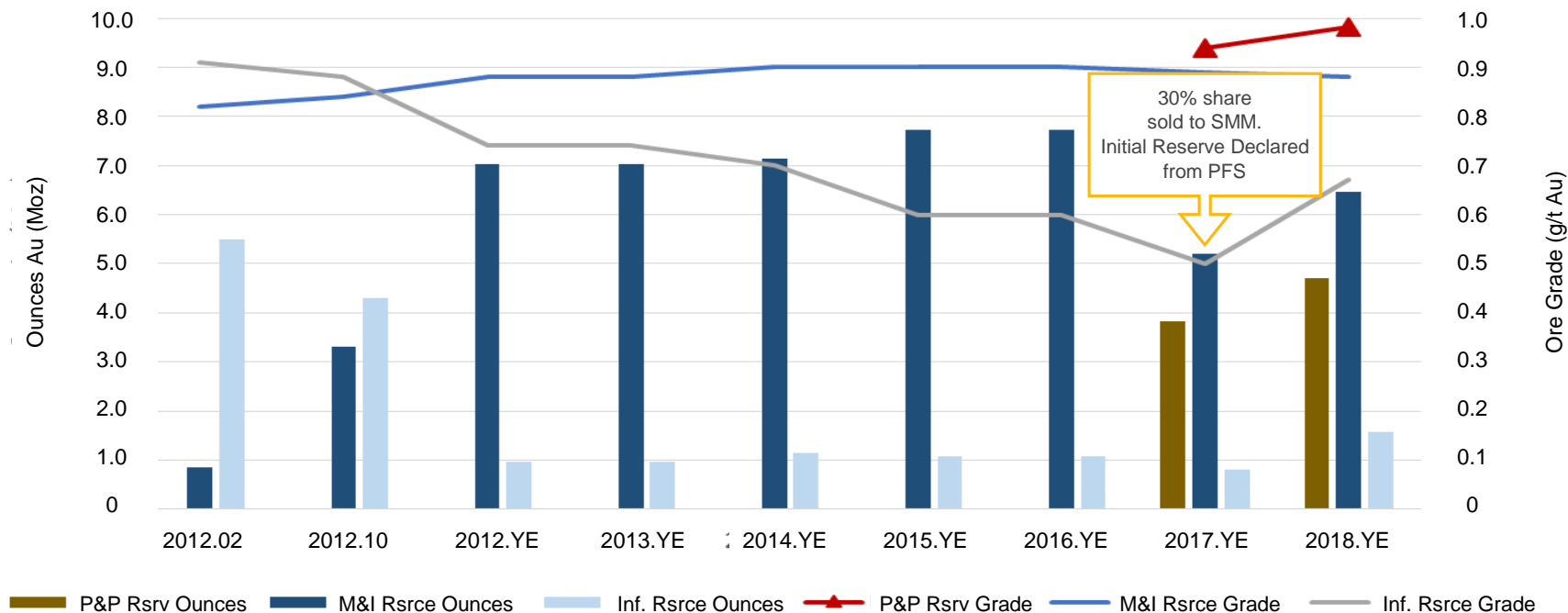
a minimum width of 2.4 m and open pit resources are estimated using a cut-off grade of 0.42 g/t gold equivalent over a 3.0 m minimum width. Resources are disclosed as gold equivalent ounces calculated using the formula: $AuEq (g/t) = Au (g/t) + Ag (g/t) / 101.8$

3 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.

4 Due to rounding, numbers presented may not add up precisely to the totals.

Côte Gold Project – Reserves & Resources History

CÔTÉ GOLD - IMG ATTRIBUTABLE RESERVES & RESOURCES



- CIM NI43-101 Definitions were followed for the classification of Mineral Reserves and Resources. Please refer to the appropriate IAMGOLD Corporate disclosure for greater detail.
- Indicated Mineral Resources are inclusive of Mineral Reserves. Mineral Resources are constrained within a pit shell
- 2012.10 and 2012 YE Mineral Resources were estimated using an assumed gold price of \$US1,600 / troy ounce; All other Mineral Resource estimates used an assumed gold price of \$US1,500 / troy ounce

- 2017 and 2018 Mineral Reserves are estimated using an assumed gold price of \$US1,200 / troy ounce
- Mineral Resources up to 2016 are reported at 92.5% Ownership; Mineral Reserves and Resources for 2017 and 2018 are reported at 64.75% Ownership

1 For 2018 Reserves, see News Release dated February 19, 2019
 2 Measured and Indicated Resources are inclusive of Reserves

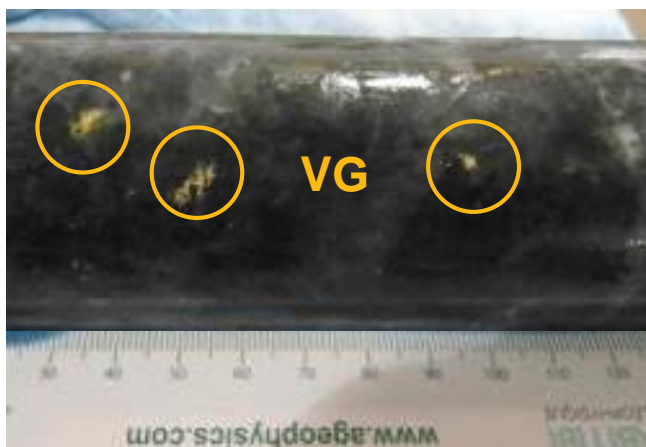
Exploration Projects

Monster Lake Quebec (50% JV Interest)

OVERVIEW

Location	<ul style="list-style-type: none"> Quebec
Ownership	<ul style="list-style-type: none"> 50:50 JV with TomaGold, with option to earn up to a 75% interest
Highlights	<ul style="list-style-type: none"> Continuing to better define and extend the 325-Megane Zone and evaluating newly discovered parallel zones 2018 drilling results include¹: <ul style="list-style-type: none"> 40.94 g/t Au over 5.3 metres 72.17 g/t Au over 2.6 metres 39.24 g/t Au over 3.8 metres 2019 drilling results include¹: <ul style="list-style-type: none"> 357.0 g/t Au over 0.8 metres 133.0 g/t Au over 0.5 metres

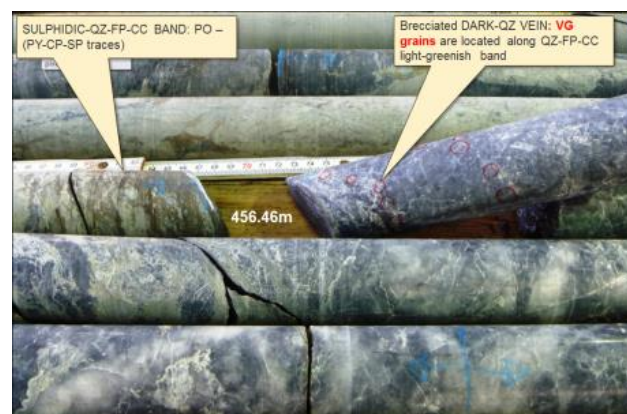
¹ Refer to IAMGOLD news release dated June 14, 2018 and July 23, 2019



RESOURCE

100% Basis	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Inferred ¹	1,110	12.14	433

¹ Refer to IAMGOLD news release dated February 19, 2019



Nelligan Quebec (51% JV Interest)

OVERVIEW

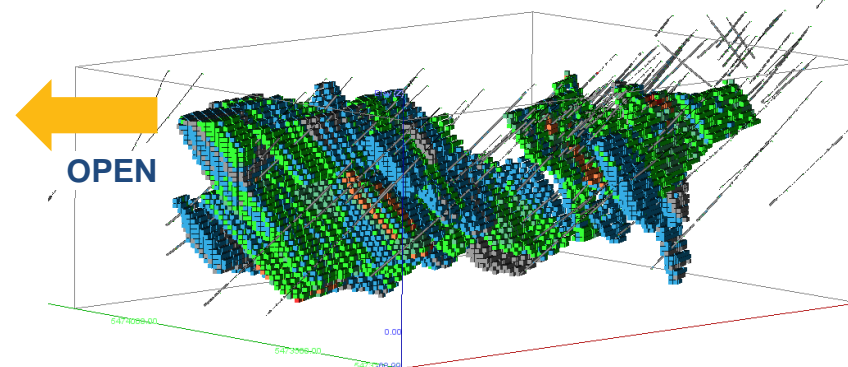
Location	<ul style="list-style-type: none"> Quebec
Ownership	<ul style="list-style-type: none"> 51% JV Interest, option to earn up to 80% interest
Highlights	<ul style="list-style-type: none"> Located 15 km south of Monster Lake Renard Zone: Large bulk tonnage, low grade deposit hosted within hydrothermally altered metasediments Zone open to the west with mineralized drill intersections 800m along strike Next: maiden resource estimate

HIGHLIGHTS

Renard Zone drill hole results¹:

- NE-19-149: 17.3 metres grading 5.50 g/t Au
- NE-19-138: 123.7 metres grading 1.26 g/t Au
- NE-19-113: 34.5 metres grading 1.75 g/t Au
- NE-19-113: 6.0 metres grading 56.5 g/t Au (7.99 capped at 30 g/t Au)
- NE-19-118: 46.8 metres grading 1.59 g/t Au
- NE-18-84: 82.6 metres grading 3.31 g/t Au
- NE-18-95: 42.1 metres grading 3.59 g/t Au
- NE-18-96: 27.8 metres grading 5.69 g/t Au

¹ Refer to IAMGOLD news releases dated August 13, May 30, and January 10, 2019



Diakha-Siribaya Mali (90%)

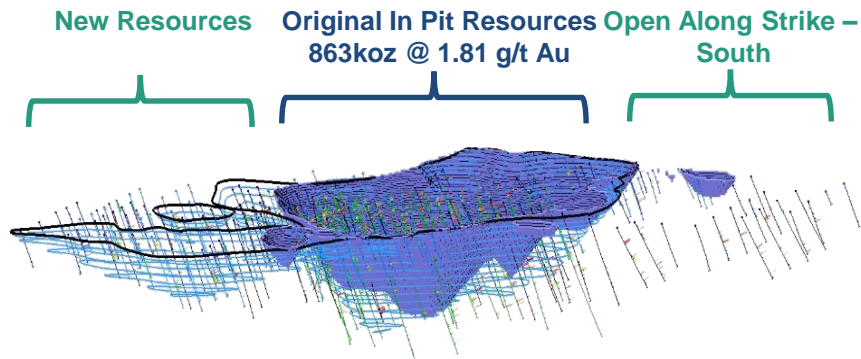
OVERVIEW

Highlights

- Located approximately 10km south along strike from the Boto Gold Project in Senegal
- 2018²: 14,600 metres of RC & DD drilling completed. Results include:
 - › 1.61 g/t Au over 51m
 - › 6.05 g/t Au over 13m
 - › 11.6 g/t Au over 13m
- Resource ounces increased by 57% with a significant conversion to indicated ounces
- Targeting resource expansions north and south of current resource pit shell

RESOURCE

100% Basis	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ¹	18,031	1.28	744
Inferred ¹	23,179	1.58	1,176



¹ Refer to IAMGOLD news release dated February 19, 2019

² Refer to IAMGOLD news release dated Oct 18, 2018

Pitangui Brazil (100%)

OVERVIEW

Highlights	<ul style="list-style-type: none">• Banded iron formation hosted deposit• 25 km from Jaguar's Turmalina mill• 2017 drilling program resulted in a 21% increase in inferred resources• Continuing to test priority targets
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RESOURCE

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Inferred ¹	5,365	4.7	819



¹ Refer to IAMGOLD news release dated February 19, 2019

Eastern Borosi Nicaragua (51% JV Interest)

OVERVIEW

Ownership	<ul style="list-style-type: none"> Earn-in option with Calibre Mining; IAMGOLD can earn up to a 70% interest
Highlights	<ul style="list-style-type: none"> Multiple high grade Au-Ag epithermal vein systems over 40kms strike length IMG: 154 DDH totaling >28,800m

RESOURCE

100% Basis	Tonnes (000)	Grade AuEq (g/t)	Contained Ounces (000 Au)
Inferred ^{1,2}	4,418	5.7	812



1 Refer to IAMGOLD news release dated February 19, 2019

2 Gold equivalent values were calculated using the formula: $AuEq (g/t) = Au (g/t) + Ag (g/t) / (101.8)$

3 Refer to Calibre Mining news release dated September 5, 2018 and December 18, 2018

Loma Larga: Optionality via Strategic Investment

Ecuador (~36%)

OVERVIEW

Highlights	<ul style="list-style-type: none">• IAMGOLD owns ~36% of INV Metals (TSX:INV)• FS has robust economics with after-tax IRR of 24.7%, NPV@5% of US\$356M, payback of 2.6 years• Mineral Reserves of 2.2M oz of contained Au at 4.91 g/t, 13.3 M oz contained Ag at 29.6 g/t, 88.0M lb contained Cu at 0.29%• M&I Mineral Resources of 2.71M oz of contained Au at 4.25 g/t, 17.7M oz contained Ag at 27.8 g/t, 109.5M lb contained Cu at 0.25%• Inferred Mineral Resources of 0.33M oz of contained Au at 2.22 g/t, 4.5M oz contained Ag at 29.7 g/t, 14.5M lb contained Cu at 0.14%
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**Targeting production
for late 2021**

¹ Refer to INV news release dated November 29, 2018

FEASIBILITY STUDY HIGHLIGHTS¹

Mine Life	~12 years
Nameplate Capacity	3,000 tpd
Annual Average Gold Production	130,000 oz
Gold Grade	4.91 g/t
Gold Payable	1.61 million oz
Gold Recovery	90%
Total Cash Costs	\$540/oz sold
All-in Sustaining Costs	\$609/oz sold
All-in Costs	\$768/oz sold
Initial Capital	\$279M
Sustaining Capital and Closure Costs	\$84M

Ecuador – Strong Commitment to Mining

- Loma Larga and INV Metals have strong support from Ecuadorian government and local communities
- Creation of Ministry of Mines in 2015 was a significant commitment to mining with positive changes to mining tax laws
- Significant investment in roads, airports, ports, hydroelectric power



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