A Story of Transformation



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STEVE LETWIN, PRESIDENT & CHIEF EXECUTIVE OFFICER

Empowering People, Extraordinary Performance

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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 <u>www.sedar.com</u>, and filed under Form 40-F with the United States Securities Exchange Commission at <u>www.sec.gov/edgar.shtml</u>. The risks described in the Annual Information Form (filed and viewable on <u>www.sedar.com</u> and <u>www.sec.gov/edgar.shtml</u>, 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.



2018 – Abundance of Catalysts





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Geographically Diverse & Balanced Over 3 Continents





3

A Balanced Business Model







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Leveraging Existing Asset Base Optimizing Operations & Organic Growth Opportunities

Structured for Long-Term Growth



*Reserve numbers included on this slide have been rounded

1. Mineral reserves have been estimated at December 31, 2017 using a gold price of \$1,200 per ounce for Essakane, Rosebel, Westwood, Sadiola, Côté Gold Project and Boto Gold Project.

2. Mineral reserves have been estimated at December 31, 2016 using a gold price of \$1,200 per ounce for Essakane, Rosebel and Westwood, and \$1,100 per ounce for Sadiola.

3. Refer to IAMGOLD News Release dated February 12, 2018

4. Before 2017 depletion.



Rosebel – Significant Transformational Achievements

Suriname (95%)

Increased Reserves & Resources

- 80% increase in Reserves announced July 2017 bringing attributable Reserves at Rosebel to 3.5M oz
- M&I Resources (includes reserves) up 55% to 8.9M oz
- Inferred Resources up 322% to 2.5M oz
- Increase mainly due to mine plan optimization and cost reductions
- Potential for further increase with Saddle Zones

Consolidating Prospective Land Packages

- UJV agreement with Republic of Suriname
- Objective to continue acquiring prospective properties within a 45 km radius of Rosebel mill

Saramacca's Initial Resource Estimate

- Maiden resource announced Sept 2017; 1.0M oz indicated @ 2.2g/t Au and 518k oz Inferred @ 1.2 g/t Au
- Higher grades and 60% soft rock
- Expect to complete permitting and have preliminary reserve estimate by H2'18; initial production 2019



depth; extends mine life beyond 2028



2018 Production Guidance 295,000 oz to 310,000 oz



Rosebel – Consolidating Prospective Land Packages Surrounding Mill





Saramacca – 2016-2017 Drilling Highlights



The Delineation Drilling Program

- Potential to grow resource deposit open at depth and along strike in both directions
- Drilling focused on increasing confidence in resource and expanding deposit
- Completed nearly 30 km of diamond and reverse circulation drilling in H2'17. Highlights include:
 - 3.47 g/t Au over 39.0m
 - 4.50 g/t Au over 34.5m

Initial reserve estimate expected H2'18



Saramacca – Resource Sensitivities





Essakane – Driving Transformational Change

Burkina Faso (90%)

Falagountou Deposit

- Western portion increased Essakane's indicated resource by 14% or 600 Koz
- Eastern portion has potential to increase resources with lower-cost, high-grade saprolite ore
- Drilling continues to expand limits of ore body

Heap Leaching

- Expect to complete Prefeasibility Study in Q2'18
- Potential production start by end of 2019
- Capacity to increase annual gold production at Essakane by 15% to 20% and extend mine life by 3 to 5 years

Satellite Prospects

- Ongoing exploration on highly prospective land package with >1,200 sq. km
- Delineation drilling at Gossey
- Drilling and assessing results at Korezena, Tassiri and Sokadie





2018 Production Guidance 380,000 oz to 395,000 oz



Essakane - Satellite Prospects Nearby

2017-2018 Gossey Delineation Drilling Program

- Drilling program in progress
- Initial results confirm saprolite to a depth of 50m
- Declare maiden resource by Q4'18

2018 Exploration Program

- Gossey-Korizena trend +20 km
- 2017 Airborne Mag-VTEM survey completed
- Delineation drilling at Gossey ongoing
- Continued exploration along trend to follow up numerous targets





Heap Leaching at Essakane

Conceptually targeting a Heap Leach¹ operation with capacity to increase annual gold production by 20%+

- Improved economics could potentially result in additional pushbacks at Essakane Mining Zone
- Evaluating options to potentially raise mill cutoff grade and process higher value rock in CIL

Significant volumes of marginal grade material within existing pit designs

- Primarily fresh rock with grades ranging between 0.3 to 0.6 g/t
- Minor volumes of stockpiled marginal grade material also exist

Preliminary test work & scoping work was conducted in H1'17 on HL concept using samples of varying lithology at different crush sizes

- Potentially attractive recoveries with short leaching cycles and low reagent consumption
- Good permeability characteristics potentially allowing high heaps with no added cement or agglomeration

Prefeasibility Study Underway

- Study completion expected Q2'18
- Potential production start by Q4'19

^{1.} Development Concept: The heap leach scenario is conceptual in nature and significant further technical studies are required to advance the concept to a pre-feasibility and feasibility study level. There are no assurances that such studies will demonstrate an economically viable development scenario.





Westwood – Ramping up to Full Production

Quebec (100%)

Underground Development is on Target

- Completed 18 km of underground development in 2017 25 km in 2016
- Underground development continues to open access to new mining areas

Substantial Resource Conversion Year-over-Year

- Significant resource potential in existing mining blocks, at depth and to the west
- >100 km drilling planned for 2018

Ramp-up Continues

- Currently producing at normal levels
- Production expected to be between 125,000 and 135,000 oz in 2018 with production planned from two of the six designed mining blocks
- 12 km of lateral and vertical development planned for 2018
- Unit costs expected to decline as production increases

In 2017 Quebec regulators approved reopening of mining block affected by 2015 seismic event Reserves increased by 12% year-over-year to 1.18M oz Ramping up; mine life to 2033

2018 Production Guidance 125,000 oz to 135,000 oz



Sadiola - Potential to Revitalize Mine Mali (41%)

Sadiola Expansion Project

- Aligned with partner AngloGold Ashanti Limited to move Sulphide Project forward
- Discussions with Malian government continue have not reached resolution on terms critical to moving forward

Sulphide Expansion Project 2015 Technical Report¹

Strip Ratio	3.9
Max. Throughput	7.2 Mtpa
Recoverable Gold (LOM)	3.2Moz
Mine Life	10 yr
Grade	1.9 g/t
Cash Cost	\$735/oz
AISC	\$816/oz
Initial Capital	\$379M
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.



2018 Production Guidance 50,000 oz to 60,000 oz





Development Pipeline Development & Exploration

Côté Gold Project

Ontario (64.75%)

Key accomplishments since IAMGOLD acquisition

- Completed Prefeasibility Study and initiated Feasibility Study
 - Conversion of nearly 6Moz from resources to reserves
- Completed transaction with Sumitomo Metal Mining
- Positive decisions on Federal and Provincial Environmental Assessments
- Delineation drill program aimed at upgrading inferred resources to indicated and to evaluate grade variation

Joint Venture with Sumitomo Metal Mining¹

- Sale of 30% interest in Côté Gold Project to SMM for \$195M
- SMM is well funded with extensive technical expertise
- Common interest in developing Côté and pursuing future opportunities
- Oversight Committee established with proportionate representation and IMG is the project operator

Pre-Feasibility Results Demonstrate Economically Viable Project²

- LOM average annual attributable production 207,000 oz
- 17 year mine life
- LOM average cash costs \$605/oz; AISC \$689/oz
- After-tax NAV \$703M (5% discount rate) with 14% IRR; at \$1,250/oz gold price
- P&P attributable reserves of 3.8M oz

Feasibility study expected to be complete by H1'19; subject to acceptable results and favourable development environment, commercial production expected to begin H1'21

¹ Refer to IAMGOLD news release dated June 20, 2017
 ² Refer to IAMGOLD news release dated June 5, 2017





Boto Gold Project Senegal (100%)

Pre-feasibility Study Highlights

- Mine life of 13.5 years with mill throughput of 2.0Mtpa
- LOM average annual production of nearly 100,000 oz with higher production in early years
- LOM direct cash costs of \$707/oz and AISC of \$829/oz
- After-tax IRR of 13.3% (@\$1,275/oz) and NPV@6% of \$104M
- Initial CAPEX of \$249M
- Potential to increase returns through optimization of project design including a 25% higher mill throughput

Feasibility Study ongoing, with completion expected in H2'18

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Probable Reserves ¹	26,841	1.64	1,415
Measured & Indicated ^{1,2}	37,408	1.60	1,922
Inferred ¹	10,981	1.66	594





Pitangui

Ownership: 100%

Highlights:

- Completed 9.6 km of diamond drilling in 2017 to evaluate up-plunge extension of São Sebastião deposit
- Drilling program resulted in a 21% increase in inferred resource
- Continuing to test priority targets associated with favourable iron formations

Eastern Borosi

Location:	Nicaragua
Ownership:	Option Agreement with Calibre Mining, with option to earn up to a 70% interest
Highlights:	 9.8 km of diamond drilling completed in 2017
	 Drilling program focused on resource potential of Guapinol, Riscos de Oro and East Dome veins
	Targeting initial resource estimate in

2018

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ^{1,2}			
Inferred ¹	5,365	4.7	819







Diakha-Siribaya

Location: Mali

Ownership: 100%

- Highlights:
- Consolidated 100% ownership in the project
- Located approximately 10 km south along strike from the Boto Gold Project in Senegal
- 19.5 km of diamond and RC drilling completed. Results included :
 - 6.79 g/t Au, including 26.0m and 20.52 g/t Au over 8.0m, and
 - 11.06 g/t Au over 18.0m, including 32.45 g/t Au over 6.0m
- Extension of mineralization north and south of current resource pit shell

	Tonnes (000)	Grade (g/t)	Contained Ounces (000 Au)
Measured & Indicated ^{1,2}	2,102	1.9	129
Inferred ¹	19,816	1.7	1,092



Focus on refining the deposit model and target an updated resource estimate by end of 2018



Monster Lake

Location:	Quebec
Ownership:	50:50 JV with TomaGold, with option to earn up to a 75% interest
Highlights:	 Focused on better defining and extending the high-grade 325-Megane Zone and evaluating newly discovered parallel zones Over 12.5 km of drilling completed in 2017 Acquired ~20% equity interest in TomaGold

- Acquired ~20% equity interest in TomaGold Q3'17
- Targeting maiden resource estimate by end of 2018



*See IAMGOLD news release dated November 1, 2017

Nelligan

Location:	Quebec
Ownership:	Earn-in option with Vanstar Mining; IAMGOLD can earn up to an initial 50% interest
Highlights:	 Located 15 km south of Monster Lake 7.7 km of drilling completed in 2017 to follow up on previous results and further explore newly discovered mineralized zone

 12.0 km drilling program planned for 2018
 Targeting maiden resource estimate by end of 2018





Loma Larga – Optionality via Strategic Investment

Ecuador

Project Overview

- IAMGOLD owns ~36% of INV Metals (TSX:INV)
- PFS has robust economics with after-tax IRR of 26.3%, NPV@5% of US\$300.9M, payback of 2.7 years
- Probable Mineral Reserves of 1.86M oz of contained Au at 4.98 g/t, 10.5 M oz contained Ag at 28.0 g/t, 73.6M lb contained Cu at 0.29%
- Indicated Mineral Resources of 2.55M oz of contained Au at 4.42 g/t, 16.3M oz contained Ag at 28.3 g/t, 104 M lb contained Cu at 0.26%
- Inferred Mineral Resources of 0.54M oz of contained Au at 2.29 g/t, 5.7M oz contained Ag at 24.1 g/t, 21 M lb contained Cu at 0.13%
- Considerable exploration potential
- On February 16, 2017 INV Metals announced a C\$27.6M bought deal financing, including C\$3.6M over-allotment option, for advancing development of the project and for general corporate purposes

Targeting production for 2020

PFS Highlights¹

Mine Life	~11 years
Nameplate Capacity	3,000 tpd
Annual Average Gold Production	150,000 oz
Gold Grade	4.98 g/t
Gold Production	1.68 million oz
Gold Recovery	90%
Adjusted Operating Costs	\$510/oz sold
All-in Sustaining Costs	\$577/oz sold
All-in Costs	\$778/oz sold
Initial Capital	\$286M
Sustaining Capital and Closure Costs	\$94M

Ecuador – Strong Commitment to Mining

- Loma Larga and INV Metals have strong support from Ecuadorian government and local communities
- The 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

*See slide on technical information and qualified person/quality control notes.



A Story To Be Continued

Rosebel

Saramacca Brokolonko Further consolidation

Targeting 1.2M oz to 1.3M oz by 2022, with AISC below \$850 ounce

Essakane

Heap leaching Satellite prospects



Ramping up production

<u>Côté Gold</u> Advancing towards development

Future Growth Options

Further expansion at mines and exploration projects in the pipeline





IAN GOLD

EIAMGOLD

Saramacca - Resources Constrained by Conceptual Pit

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Pit Optimization Parameters

- Pit slopes: 30 45° (sap to fresh)
 - Metal Recoveries (%): 97 (lat/sap), 76 (trans), 82 (fresh)
- Mining: 95% mining recovery, 5% dilution







Outstanding Derivative Hedge Contracts¹

	2018	2019	2020	2021	2022
Foreign Currency					
Canadian dollar contracts (millions of C\$)	155				
Contract rate range (C\$/\$)	1.30 - 1.45				
Hedge ratio	52%				
Euro contracts (millions of €)	93				
Contract rate range (\$/€)	1.08 - 1.19				
Hedge ratio	36%				
Commodities					
Brent oil contracts (000's barrels)	488	366	333	336	336
Contract price range (\$/barrel of crude oil)	42 - 60	44 - 60	50 - 62	55 - 65	53 - 65
Hedge ratio	74%	56%	47%	50%	50%
WTI oil contracts (000's barrels)	390	426	405	276	276
	36 - 60	42 - 60	43 - 60	48 - 62	48 - 62
Contract price range (\$/barrel of crude oil) Hedge ratio	72%	75%	75%	50%	-0° 02 50%
neuge ratio	1270	1 3 / 0	7.570	5070	5070



2018 Production and Cost Guidance

Full Year Guidance ¹	
Essakane (000s oz.)	380 – 395
Rosebel (000s oz.)	295 – 310
Westwood (000s oz.)	125 – 135
Total owner-operated production (000s oz.)	800 – 840
Joint ventures (000s oz.)	50-60
Total attributable production (000s oz.)	850 – 900
Cost of sales ² (\$/oz.)	\$765 – \$815
Cost of sales ² (\$/oz.)	\$765 – \$815
Cost of sales ² (\$/oz.) Total cash costs ^{3,4} – owner-operator (\$/oz.)	\$765 – \$815 \$750 – \$800
Total cash costs ^{3,4} – owner-operator (\$/oz.)	\$750 – \$800
Total cash costs ^{3,4} – owner-operator (\$/oz.)	\$750 – \$800

¹ As at December 31, 2017



2018 Capex Outlook

Full Year Guidance			
\$millions	Sustaining ¹	Non- Sustaining	Total ²
Essakane	\$75	\$75	\$150
Rosebel	\$45	\$85	\$130
Westwood	\$20	\$45	\$65
Owner-operator	\$140	\$205	\$345
Corporate and Development Projects ¹	_	\$15	\$15
Total owner-operator	\$140	\$220	\$360
Sadiola (Joint Venture)	_	\$5	\$5
Total (±5%) ³	\$140	\$225	\$365

¹ As at December 31, 2017



Technical Information and Qualified Person/Quality Control Notes

The mineral resource estimates contained in this presentation 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 supervision of the preparation and review of all resource and reserve estimates for IAMGOLD is Lise Chenard, Eng., Director, Mining Geology. Lise has worked in the mining industry for more than 30 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 Gaulthier, 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 footnote:

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.



CORPORATION

Ken Chernin VP, Investor Relations T: 416-360-4743

Laura Young Director, Investor Relations T: 416-933-4952 Martin Dumont Senior Analyst, Investor Relations T: 416-933-5783

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