

IAMGOLD – Focusing on Our Core Assets

October 3, 2014

Cautionary Statement on Forward-Looking Information

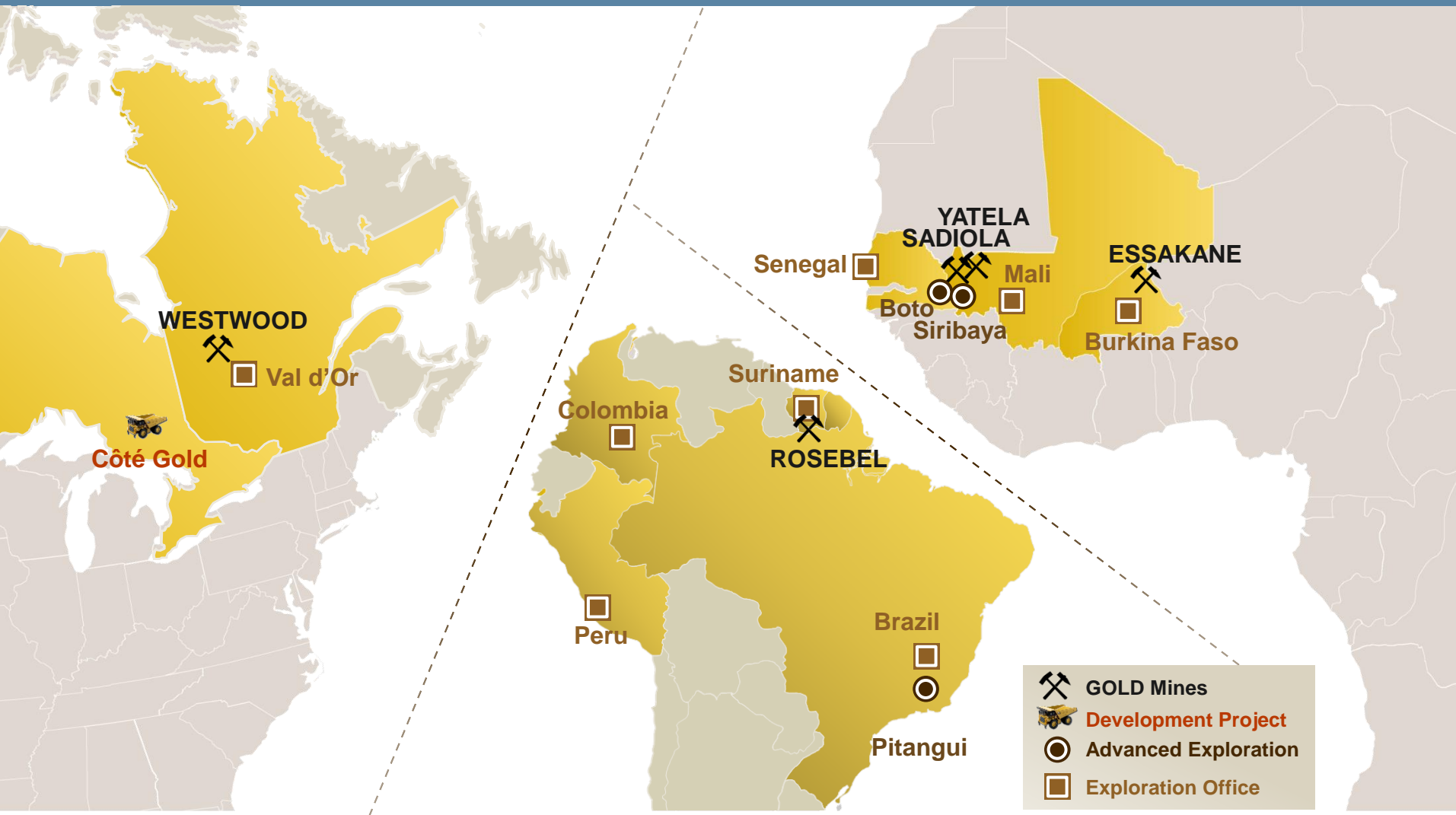
All information included in this presentation, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking 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, niobium production 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, requirements for additional capital and government regulation of mining operations. 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", "anticipate", "estimate", "believe", "intend", "plan", "suggest", "guidance", "outlook", "potential", "prospects", "seek", "targets", "strategy" 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, niobium, copper, silver or certain other commodities (such as diesel, aluminum 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; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; 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; and the risks involved in the exploration, development and mining business. 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.

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.html. The risks described in the Annual Information Form (filed and viewable on www.sedar.com and www.sec.gov/edgar.html, 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 monetary amounts are expressed in U.S. dollars, unless otherwise indicated.

IAMGOLD To Focus on Gold Assets



Terms of the Transaction

- Reached an agreement to sell Niobec to a group of companies led by Aaron Regent of Magris Resources, a private company
- The group of companies is comprised of:
 - Magris Resources,
 - CEF Holdings, based in Hong Kong and owned equally by Cheung Kong (Holdings) Limited and CIBC, and
 - Temasek, a Singapore-based investment company
- The sale is for total consideration of \$530M, which includes:
 - \$500M payable upon closing
 - \$30M additional payment when the adjacent REE deposit goes into commercial production
 - 2% gross proceeds royalty payable on REE production
- Closing targeted for Q4'14, subject to receipt of regulatory approvals

IAMGOLD's Rationale for the Transaction



Unlocks the value of Niobec for our shareholders



Positions IAMGOLD as a pure gold company



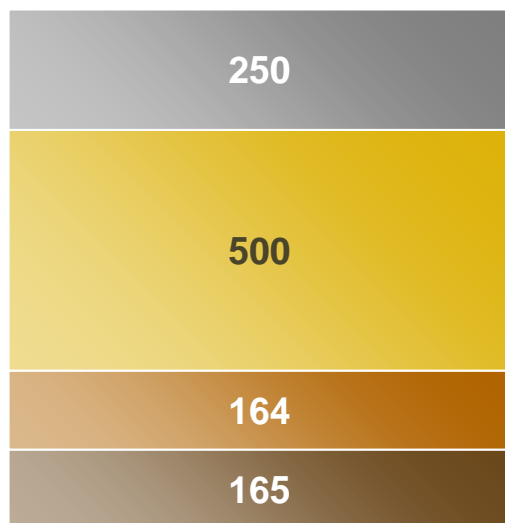
Improves liquidity



Provides capacity to enhance portfolio

Proforma Financial Position Over \$1.3 Billion

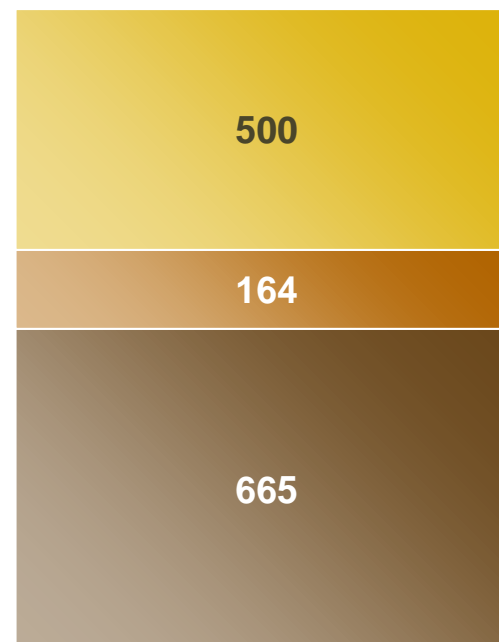
**Liquidity
as at September 30, 2014**



Total \$1.08 billion

■ Cash & cash equivalents ■ Gold bullion at market
■ Unused credit facility ■ Unused Niobec credit facility

**Pro Forma Liquidity
w/ Immediate Proceeds
from Sale of Niobec**



Total \$1.33 billion

■ Cash & cash equivalents ■ Gold bullion at market
■ Unused credit facility

Use of Proceeds



Continue to take a disciplined approach to our business



Priorities continue to include focus on capital allocation, cost reduction and cash preservation

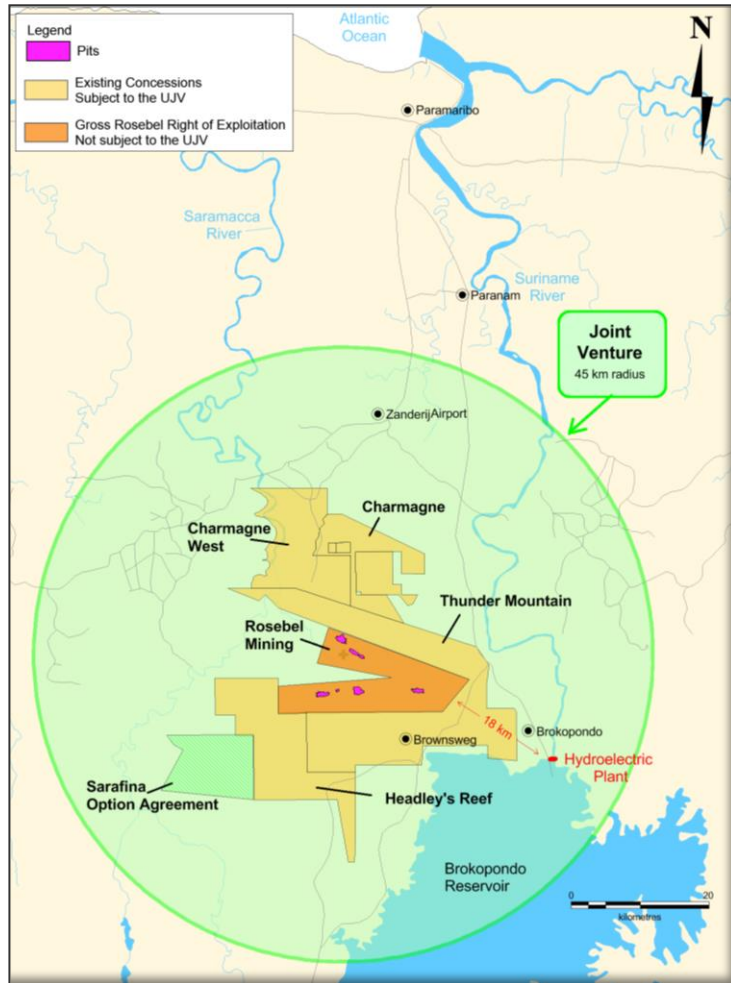


Intention to grow gold business by looking for opportunities to enhance our portfolio of assets

Strategy – IAMGOLD Going Forward

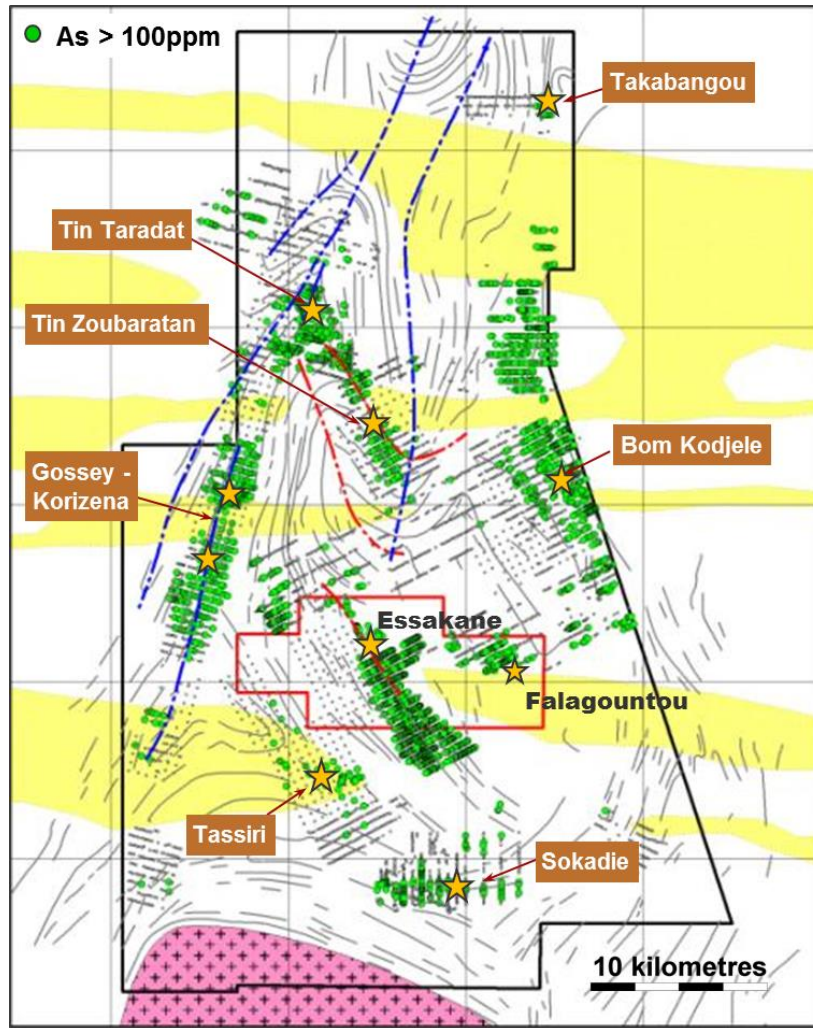
- ✓ **Transforms IAMGOLD into a pure gold play**
- ✓ **Has the financial strength to optimize returns from our gold business**
- ✓ **Has demonstrated ability to adapt in a volatile gold market**
- ✓ **Focuses on diversified portfolio of gold mines in mining friendly jurisdictions**
- ✓ **Will grow through strategies that optimize economic returns**

Reinventing Rosebel – Suriname



- ✓ History of reserve growth, produced more gold than original mineral reserves in first ten years
- ✓ Power agreement in 2013 reduced rate from \$0.21/kWh to \$0.14/kWh
- ✓ Continue to improve mining and processing productivity and implement measures to improve grades
- ✓ Joint venture targeting higher-grade, softer rock
 - › Advancing discussions on other prospective properties
- ✓ Continue to implement initiatives to improve operating efficiencies and reduce costs

Essakane Focused on Mine Optimization – Burkina Faso



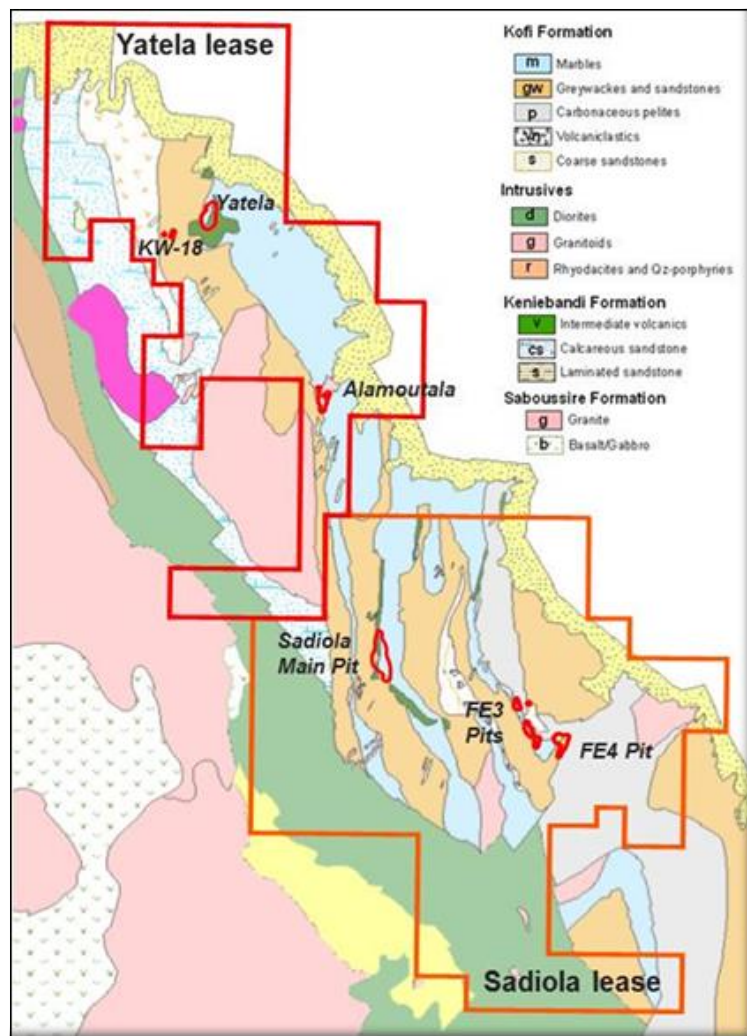
- ✓ Expansion completed 2013 to accommodate increasing proportion of hard rock
- ✓ Focused on:
 - ✓ Ramping up production - expecting 25% production increase in 2014 from 2013
 - ✓ Finding additional soft rock
 - ✓ Achieving cost effective power solutions – moving ahead with solar power project

Production Ramping up Westwood – Canada



- ✓ Average resource grade >10g/t Au
- ✓ Commenced commercial production July 1, 2014
- ✓ Production ramping up
- ✓ Evaluating production profiles to optimize returns
 - › LOM profiles range from 165k - 180k oz. of annual production at cash costs of \$630 - \$690/oz.
- ✓ Continued focus on improving operating efficiencies and reducing costs

Focused on Revitalization Strategy for Sadiola – Mali



- ✓ Transitioning to hard rock
- ✓ Expansion required to accommodate hard rock processing
- ✓ Reliable, long-term supply of low-cost power critical to expansion project
 - › Priorities aligned with government and continuing to collaborate with other mining companies
- ✓ Continue to look for additional oxide reserves

Exploration Review



Resource Development and Brownfield Exploration

ROSEBEL

- ✓ Focused on identifying higher-grade and softer rock resources
- ✓ 5-year option agreement with Sarafina – 10,000 hectares
- ✓ Targeting other prospective properties
- ✓ Assessing drilling results over several priority targets on the mining concession

ESSAKANE

- ✓ Continuing to target inferred resource areas around current pit design
- ✓ Follow-up drilling campaigns on the Tassiri prospect and several new prospective targets

Greenfield: Boto Gold Project, Senegal

- ✓ July 2013 – declared initial indicated resource estimate of 1.1 Moz at 1.62 g/t Au
- ✓ Based on 423 drill holes, totalling 56,832 metres
- ✓ April 2014 – ongoing drilling confirms continuity of resource and extends mineralization associated with largest deposit
- ✓ Targeting further expansion
- ✓ Scoping study in progress supported by 14,500 metres of planned drilling for 2014



Source: Updated Resource Estimate for Boto Gold, effective April 19, 2013.

Note: CIM Definitions were followed for classification of Mineral Resources. Mineral Resources are estimated at a cut-off grade of 0.60 g/t Au. Mineral Resources are estimated using a gold price of US\$1,500 per ounce. High grade assays are capped at 15 g/t Au to 30 g/t Au depending on geological area. Bulk density varies from 1.61 g/cm³ to 2.62 g/cm³ based on weathering code. The Mineral Resource Estimate is constrained by a Whittle Pit shell. Mineral Resources are not Mineral Reserves and do not yet have demonstrated economic viability, but are deemed to have a reasonable prospect of economic extraction. Numbers may not add due to rounding. Mineral Resources are reported on a 100% ownership basis.

Greenfield: Pitangui Project, Brazil

- ✓ São Sebastião gold deposit located in the prolific Iron Quadrangle
- ✓ April 2014 – declared maiden inferred resource of 0.64 Moz at 4.88 g/t Au
- ✓ Based on 57 holes, totaling 19,600 metres
- ✓ 24,000 metres of planned drilling for 2014 focused on infill and expansion of current resource and identification of additional target areas
- ✓ Planned geophysical survey to detect sulphide accumulations within host rock sequence



Source: Updated Resource Estimate for Pitangui , effective January 9, 2014.

Note: CIM Definitions were followed for classification of Mineral Resources. Mineral Resources are estimated at a cut-off grade of 3.0 g/t Au. Mineral Resources are estimated using a gold price of US\$1,500 per ounce . High grade assays are capped at 10g/t Au to 15 g/t Au depending on geological area. Bulk density , as determined from 2,570 measurements, varies from 3.06 g/cm³ to 3.24 g/cm³ based on geologic area. Mineral Resources are not Mineral Reserves and do not yet have demonstrated economic viability, but are deemed to have a reasonable prospect of economic extraction. Numbers may not add due to rounding. Mineral Resources are reported on a 100% ownership basis.

Catalyst Strategies

- ✓ **Continue reducing all-in sustaining costs**
- ✓ **Reinvent Rosebel through softer rock**
- ✓ **Optimize and reduce power costs at Essakane**
- ✓ **Ramp up Westwood production**
- ✓ **Resolve future of Sadiola**
- ✓ **Execute successful gold mine acquisition(s)**
- ✓ **Advance promising exploration projects**

Why invest in IAMGOLD?

- ✓ **Diversified portfolio of producing gold mines**
- ✓ **New producing Westwood gold mine with resource grade averaging 10 g/t Au**
- ✓ **Optimizing economic returns with optionality for growth**
- ✓ **Promising exploration pipeline of select projects**
- ✓ **Strong government relations**
- ✓ **More than \$1 billion in liquidity and no bank debt**
- ✓ **Expertise in bulk tonnage low-grade deposits**
- ✓ **Excellent CSR reputation**

Investor Relations
info@iamgold.com

Bob Tait
VP, Investor Relations
T: 416-360-4743

Laura Young
Director, Investor Relations
T: 416-933-4952

Penelope Talbot-Kelly
Analyst, Investor Relations
T: 416-933-4738

TSX: IMG NYSE: IAG