

**For Immediate Release**  
**Date: January 30, 2017**

**TSX:ORV**  
**#01-2017**

## ORVANA PROVIDES OPERATIONAL UPDATE ON DON MARIO'S CIL PROJECT

**TORONTO, ONTARIO, January 30, 2017 - Orvana Minerals Corp. (TSX:ORV) (the "Company" or "Orvana")** is pleased to report that the re-commissioning of the carbon-in-leach circuit (the "CIL Project") at the Company's Don Mario Mine is near completion.

Don Mario's first gold-silver doré bar was poured on January 22, 2017, and assays are being performed to confirm results and inform any required process adjustments to the carbon-in-leach ("CIL") circuit. The Company is currently working to close a doré sales contract on anticipated production from the CIL circuit, with the first delivery under this agreement expected in February 2017.

Total capital costs for the CIL Project are expected to be in line with the capital cost estimate commissioned by the Company in 2016. For the selected process option, the capital cost estimate was US\$6.4 million to accuracy estimate of +/- 15% including owner's costs and 15% contingency.

The Company anticipates that the CIL circuit will deliver substantially higher average gold recoveries of approximately 80% compared to current average gold recoveries of approximately 55%. The expected increase in gold ounces produced will positively impact unitary cash costs and provide free cash flow in the second half of fiscal 2017, allowing for full repayment of the US\$7.9 million project financing by the end of fiscal 2017.

During fiscal 2016, the Company's mining activities transitioned away from the remaining Upper Mineralized Zone ("UMZ") to the higher gold grade Lower Mineralized Zone extension ("LMZ"). The CIL Project is expected to maximize the value of material mined at the LMZ. In recent months, Don Mario increased the processing of mined production from the lower gold grade UMZ and other stockpiles, while LMZ material has been stockpiled for future processing via the CIL circuit.

DCGS Exploration and Mining Consulting ("DCGS"), under the supervision of Gino A. Zandonai, who is an independent Qualified Person under NI 43-101, upgraded the mineral resource estimate for the LMZ as at September 30, 2015 to a mineral reserve estimate as at September 30, 2016. The following table summarizes the results of the mineral reserve estimate:

Total Proven and Probable							
Zone	Tonnage (000 t)	Grade (g/t Au)	Grade (% Cu)	Grade (g/t Ag)	Contained Metal (000 oz Au)	Contained Metal (t Cu)	Contained Metal (000 oz Ag)
Proven	-	-	-	-	-	-	-
Probable	793	2.62	0.60	5.94	66.8	4794.6	151.4
<b>Proven and Probable</b>	<b>793</b>	<b>2.62</b>	<b>0.60</b>	<b>5.94</b>	<b>66.8</b>	<b>4794.6</b>	<b>151.4</b>

**Notes:**

1. CIM definitions were followed for Mineral Reserves and were prepared by G. Zandonai, a qualified person for the purposes of NI43-101, who is an employee of DCGS SA and is independent of the Company.
2. Mineral Reserves are estimated using copper equivalent cut-off grade of cut-off grade of 0.70g/t AU for the LMZ. Cut-offs were calculated using recent operating results for recoveries, off-site concentrate costs, and on-site operating costs.
3. Mineral Reserves are estimated using average long-term prices of US\$1,100 per ounce gold, US\$2.75 per lb copper, and US\$16.5 per ounce silver.
4. Numbers may not add due to rounding.
5. The mineral reserves at the LMZ have been based on processing by the CIL and flotation methods.

The Company has filed on SEDAR a report titled "Don Mario Mine Operation 2016 Technical Report" prepared in accordance with National Instrument 43-101 by DCGS (the "Don Mario Technical Report") to support this upgrade along with the current independent resource and reserve estimates at Don Mario.

The Don Mario Technical Report is also available on Orvana's website at [www.orvana.com](http://www.orvana.com).

#### **About Orvana**

Orvana is a multi-mine gold and copper producer. Orvana's operating assets consist of the producing gold-copper-silver El Valle and Carlés mines in northern Spain and the producing gold-copper-silver Don Mario mine in Bolivia. Additional information is available at Orvana's website ([www.orvana.com](http://www.orvana.com)).

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#### **Cautionary Statements - Forward-Looking Information**

*Certain statements in this information constitute forward-looking statements or forward-looking information within the meaning of applicable securities laws ("forward-looking statements"). Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions, potentials, future events or performance (often, but not always, using words or phrases such as "believes", "expects", "plans", "estimates" or "intends" or stating that certain actions, events or results "may", "could", "would", "might", "will" or "are projected to" be taken or achieved) are not statements of historical fact, but are forward-looking statements.*

*The forward-looking statements herein relate to, among other things, Orvana's ability to achieve improvement in free cash flow; the potential to extend the mine life of El Valle and Don Mario beyond their current life-of-mine estimates; Orvana's ability to optimize its assets to deliver shareholder value; the Company's ability to optimize productivity at Don Mario and El Valle; estimates of future production, operating costs and capital expenditures; mineral resource and reserve estimates; statements and information regarding future feasibility studies and their results; future transactions; future metal prices; the ability to achieve additional growth and geographic diversification; future financial performance, including the ability to increase cash flow and profits; future financing requirements; and mine development plans.*

*Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company as of the date of such statements, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The estimates and assumptions of the Company contained or incorporated by reference in this information, which may prove to be incorrect, include, but are not limited to, the various assumptions set forth herein and in Orvana's most recently filed Management's Discussion & Analysis and Annual Information Form in respect of the Company's most recently completed fiscal year (the "Company Disclosures") or as otherwise expressly incorporated herein by reference as well as: there being no significant disruptions affecting operations, whether due to labour disruptions, supply disruptions, power disruptions, damage to equipment or otherwise; permitting, development, operations, expansion and acquisitions at El Valle and Don Mario being consistent with the Company's current expectations; political developments in any jurisdiction in which the Company operates being consistent with its current expectations; certain price assumptions for gold, copper and silver; prices for key supplies being approximately consistent with current levels; production and cost of sales forecasts meeting expectations; the accuracy of the Company's current mineral reserve and mineral resource estimates; and labour and materials costs increasing on a basis consistent with Orvana's current expectations.*

*A variety of inherent risks, uncertainties and factors, many of which are beyond the Company's control, affect the operations, performance and results of the Company and its business, and could cause actual events or results to differ materially from estimated or anticipated events or results expressed or implied by forward looking statements. Some of these risks, uncertainties and factors include fluctuations in the price of gold, silver and copper; the need to recalculate estimates of resources based on actual production experience; the failure to achieve production estimates; variations in the grade of ore mined; variations in the cost of operations; the availability of qualified personnel; the Company's ability to obtain and maintain all necessary regulatory approvals and licenses; the Company's ability to use cyanide in its mining operations; risks generally associated with mineral exploration and development, including the Company's ability to continue to operate the El Valle and/or Don Mario and/or ability to resume long-term operations at Carlés Mine; the Company's ability to acquire and develop mineral properties and to successfully integrate such acquisitions; the*

*Company's ability to execute on its strategy; the Company's ability to obtain financing when required on terms that are acceptable to the Company; challenges to the Company's interests in its property and mineral rights; current, pending and proposed legislative or regulatory developments or changes in political, social or economic conditions in the countries in which the Company operates; general economic conditions worldwide; and the risks identified in the Company's Disclosures under the heading "Risks and Uncertainties". This list is not exhaustive of the factors that may affect any of the Company's forward-looking statements and reference should also be made to the Company's Disclosures for a description of additional risk factors.*

*Any forward-looking statements made in this information with respect to the anticipated development and exploration of the Company's mineral projects are intended to provide an overview of management's expectations with respect to certain future activities of the Company and may not be appropriate for other purposes.*

*Forward-looking statements are based on management's current plans, estimates, projections, beliefs and opinions and, except as required by law, the Company does not undertake any obligation to update forward-looking statements should assumptions related to these plans, estimates, projections, beliefs and opinions change. Readers are cautioned not to put undue reliance on forward-looking statements.*

*The forward-looking statements made in this information are intended to provide an overview of management's expectations with respect to certain future operating activities of the Company and may not be appropriate for other purposes.*

### **Cautionary Notes to Investors – Reserve and Resource Estimates**

*In accordance with applicable Canadian securities regulatory requirements, all mineral reserve and mineral resource estimates of the Company disclosed in this AIF have been prepared in accordance with NI 43-101 (as defined below), classified in accordance with Canadian Institute of Mining Metallurgy and Petroleum's "CIM Standards on Mineral Resources and Reserves Definitions and Guidelines" (the "CIM Guidelines").*

*Pursuant to the CIM Guidelines, mineral resources have a higher degree of uncertainty than mineral reserves as to their existence as well as their economic and legal feasibility. Inferred mineral resources, when compared with measured or indicated mineral resources, have the least certainty as to their existence, and it cannot be assumed that all or any part of an inferred mineral resource will be upgraded to an indicated or measured mineral resource as a result of continued exploration. Pursuant to NI 43-101, inferred mineral resources may not form the basis of any economic analysis, including any feasibility study. Accordingly, readers are cautioned not to assume that all or any part of a mineral resource exists, will ever be converted into a mineral reserve, or is or will ever be economically or legally mineable or recovered.*