

# Orsu Metals Reports Multiple Gold-Mineralized Intercepts in Drill Holes and Trenches at Adit 5, Sergeevskoe Gold Project, Russia

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WHITE ROCK, October 15, 2018 - [Orsu Metals Corp.](#) (TSX-V: OSU) ("Orsu" or the "Company") is delighted to announce drilling results from 15 drill holes and 3 trenches at Adit 5, as part of the extended 12,500 meters ('m') drilling program at its Sergeevskoe Gold Project in Russia. The program is designed to deliver an estimation of a maiden resource in Q4 2018.

## Highlights:

- Fifteen drill holes and three trenches within a 450x250 m area at Adit 5 revealed 15 northwest- to northeast-striking gold-mineralized veins
- The gold grade of mineralized intervals in drill holes at Adit 5 varies from 0.52 g/t Au to 3.07 g/t Au over a variable drill width of 2 to 21.8 m in primary quartz-sulfide veins, with higher grade mineralization, grading up to 6.49 g/t Au over 11.5 m, intercepted in oxidized material in trenches

Dr. Alexander Yakubchuk, Director of Exploration of Orsu commented: "Instead of finding the historically anticipated presence of 4 to 5 northwest-trending gold-quartz-sulfide veins at Adit 5, Orsu identified gold in 15 closely-spaced fan-shaped northwest to northeast-striking mineralized zones within a 450x250 m area. The vein swarms in the west and east of Adit 5 are grading on average between 0.52 g/t Au and 3.07 g/t Au over a variable drill width of 2 to 21.8 m to a depth of 100-200 m. The combined drill width of some closely spaced gold-mineralized veins, intercepted in individual drill holes varies from 4 to 61 m. In the north, mineralization at Adit 5 almost orthogonally joins the eastern part of Zone 23, therefore occurring on the southeastern flank of Zone 23. Orsu believes that gold mineralization at Adit 5 significantly expands the resource potential for the forthcoming NI43-101 estimate".

Dr Sergey V Kurzin, Executive Chairman of Orsu, commented: "Results from the Adit 5 zone nicely complement the adjacent Zone 23 area, the backbone of the Sergeevskoe project, and will likely add to Orsu's maiden mineral resource estimate. Our drilling contractors completed the work last week and are demobilizing now. Our geological team expects to receive all pending assays shortly and, supported by Orsu's competent person, Wardell Armstrong International will immediately get down to work of estimating the maiden NI43-101 resource."

The license of the Sergeevskoe Gold Project occurs immediately east from the Alexandrovskoe open pit and gold plant owned by Zapadnaya Gold Mining Ltd and to the west from the +6 Moz Klyuchevskoe gold deposit licensed to Sun Gold Mining (Figure 1)<sup>1</sup>. Orsu owns a 90% interest in the Sergeevskoe Gold Project (see Orsu press-release December 1, 2017).

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Figure 1. An outline of the 7.6 sq km Sergeevskoe license area with location of principal gold prospects and two adjacent open pits.

Orsu has now received assay results for all 2018 drill holes and trenches at Adit 5. The quartz-tourmaline-sulfide veins are hosted primarily in the pre-mineral Permian granite intrusion, often controlled by the contacts of Jurassic diorite porphyry and granodiorite porphyry dykes.

The Northwestern Fault divides the Adit 5 area into western and eastern domains with dextral strike-slip sense of movement between them, interpreted based on truncation and offset of the dykes (Figure 2). Using the dykes as markers, the minimum displacement can be estimated in 100 m at least.

The orientation of the quartz-tourmaline-sulfide veins in the Adit 5 West domain is northwestern to northern, whereas in the Adit 5 East domain their strike is predominantly northeastern. Orsu identified 15 mineralized veins in each domain. Some of them may represent offset continuation of the same veins in the two domains.

Although the mineralization becomes narrow southward, it remains open in that direction and downdip. The gold-mineralized veins are widening to the north towards the eastern part of Zone 23, where veins in both Zone 23 and Adit 5 are truncated by the Shirotnyi Fault. In addition, north of the Shirotnyi fault are the gold-mineralized veins of the southern part of Klyuchi West, already reported for the drill holes SDH18-25, 26, 27, 28 (see Orsu press release July 16, 2018). Orsu drilled additional holes to test the downdip extent of mineralization, with results pending.

<sup>1</sup> Business Standard, a leading Indian daily newspaper, reported on 21 September 2018 that "Chinese company China National Gold will invest about \$420 million in the development of the Klyuchevskoye gold deposit in Russia, while another \$65 million will be invested by India's SUN Gold. The annual production volume is expected at about 6.5 metric tons of gold per year, the Russian Industry and Trade Ministry reported."

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Figure 2. Surface expression of multiple west-east-trending gold mineralization in Main, Southern and New stockworks at Zone 23 and northwest- to northeast-trending gold mineralization at Adit 5 and southern part of Klyuchi West, Sergeevskoe Gold Project.

In Adit 5 West domain, the veins are steeply-dipping, with the westernmost veins dipping to the southwest (Figure 3). They reveal a propeller-like shape along the strike. There is increase in grade downdip even in comparison with the trenches, although in oxide is the widening of mineralized intervals, which also reveal supergene enrichment and higher gold grade.

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Figure 3. Example cross-sections of gold-mineralized veins in Adit 5 West domain (looking northwest). The view is +/-20 m. See Table 1 below for assay results in individual drillholes and trenches.

In Adit 5 East domain, the veins are also steep (Figure 4), broadly northwest- to north-dipping. There is widening of mineralization in oxide zone, which developed down to 25-30 m from surface. In hypogene mineralization, the drilling demonstrated that the width of veins doubles at deeper levels. The mineralization remains open downdip.

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Figure 4. Example cross-section of gold-mineralized veins in Adit 5 East domain (looking northeast). The view is +/-20 m. See Table 1 below for assay results in individual drillholes and trenches.

The above interpretations are based on selection of the previously and newly-reported mineralized intervals, based on a 0.5g/t Au cut-off for compositing, with maximum 2 m length of 0.3-0.5 g/t Au mineralization included into a mineralized interval. Compositated intervals in drill holes are presented uncapped (Table 1).

Table 1. Mineralized intercepts in drill holes and trenches at Adit 5 (above 0.5 g/t Au cut-off).

Number	From	To	Interval	True Width	Gold
	(m)	(m)	(m)	(m)	Stockwork (g/t)
Drillhole	6.5	17.25	10.75	Drilled downdip	1.06 Adit 5 East
SDH18-24a (18.65 m)					
Redrilled top of SDH18-24	18.4	27.2	8.8	Drilled downdip	1.13 Adit 5 East
Azimuth 0, Dip 59	40.05	55.2	15.15	Drilled downdip	0.61 Adit 5 East
Drillhole	77.25	84.35	7.1	Drilled downdip	0.52 Adit 5 East
SDH18-24 (154 m)					
Azimuth 0, Dip 59	116.55	121.25	4.7	Drilled downdip	1.13 Adit 5 East
	37.1	41.0	3.9	Oblique to strike	1.68 Adit 5 East
	38.7	41.0	2.3		2.47 Adit 5 East
	51.2	66.45	15.25	Oblique to strike	0.99 Adit 5 East
Drillhole	85.5	87.5	2.0	Oblique to strike	1.82 Adit 5 East
SDH18-32 (244 m)	91.85	94.95	3.1	Oblique to strike	1.1 Adit 5 East
Azimuth 200, Dip 60	124.0	126.25	2.25	Oblique to strike	0.56 Adit 5 West
	132.1	134.0	1.9	1.0	0.95 Adit 5 West
	141.5	152.4	10.9	6.2	1.43 Adit 5 West
	159.05	160.15	1.1	0.6	4.34 Adit 5 West
Drillhole	33.3	35.0	1.7	1.5	0.78 Klyuchi West
SDH18-33 (277.4 m)					
Azimuth 185, Dip 50	77.6	81.4	3.8	3.4	1.28 Klyuchi West

Number	From	To	Interval	True Width	Gold
	(m)	(m)	(m)	(m)	Stockwork (g/t)
	118.8	121.1	2.3	2.1	2.05 Klyuchi West
	133.0	135.95	2.95	2.6	0.63 Klyuchi West
	147.15	153.6	6.45	5.8	1.43 Adit 5 East
	147.15	147.9	0.75		8.2
	206.6	209.1	2.5	2.25	1.12 Adit 5 East
	227.1	234.45	7.35	6.65	0.95 Adit 5 East
Drillhole	10.35	14.1	3.75	1.9	0.81 Adit 5 East
SDH18-36 (139.1 m)	115.95	119.55	3.6	1.8	0.93 Adit 5 East
Azimuth 230, Dip 60	123.5	129.35	5.85	2.9	0.63 Adit 5 East
	9.1	14.5	5.4	4.9	2.65 Adit 5 East
Drillhole	22.3	23.2	0.9	0.8	2.3 Adit 5 East
SDH18-47 (132.1 m)	27.6	39.2	11.6	10.5	0.78 Adit 5 East
Azimuth 180, Dip 50	61.8	64.8	3.3	3.0	1.0 Adit 5 East
	122.85	128.35	5.5	5.0	0.8 Adit 5 East
	5.4	22.6	16.8	13.4	1.02 Adit 5 West
	29.2	40.45	11.25	9.0	1.12 Adit 5 West
Drillhole	63.5	67.2	3.7	2.3	2.36 Adit 5 West
SDH18-48 (244.3 m)	97.05	98.15	1.1	0.8	3.55 Adit 5 West
Azimuth 230, Dip 50	119.4	122.3	2.9	2.3	1.54 Adit 5 West
	136.25	138.5	2.25	1.8	1.11 Adit 5 West
	169.7	171.05	1.35	1.1	8.5 Adit 5 West

Number	From	To	Interval	True Width	Gold
	(m)	(m)	(m)	(m)	Stockwork (g/t)
Drillhole	17.7	36.0	18.3	14.7	1.34 Adit 5 West
	46.7	49.7	3.0	2.4	3.07 Adit 5 West
	47.6	48.6	1.0		7.95
	53.0	74.8	21.8	17.4	0.91 Adit 5 West
SDH18-49 (200.7 m)	87.1	90.7	3.6	2.9	0.87 Adit 5 West
Azimuth 231, Dip 50	96.5	107.15	10.65	8.4	0.95 Adit 5 West
	100.35	103.35	3.0		1.95
	113.85	117.5	3.65	2.9	0.67 Adit 5 West
Drillhole	199.6	200.7	1.1	0.8	2.96 Adit 5 West
	118.5	122.55	4.05	2.9	1.07 Adit 5 West
	125.45	140.75	15.3	11.8	0.93 Adit 5 West
SDH18-50 (213.5 m)	144.75	151.8	7.05	5.5	0.67 Adit 5 West
Azimuth 230, Dip 50	170.0	188.6	18.6	13.2	0.74 Adit 5 West
	6.85	11.75	5.9	4.7	0.54 Adit 5 West
Drillhole	26.2	41.25	15.05	12.0	0.62 Adit 5 West
SDH18-51 (153.65 m)	80.85	82.95	2.1	1.65	0.79 Adit 5 West
Azimuth 90, Dip 60	115.65	118.35	2.7	2.16	0.62 Adit 5 West
	124.5	126.0	1.5	1.2	8.53 Adit 5 West
Drillhole	11.9	13.9	2.0	1.6	0.78 Adit 5 West
SDH18-52 (150.4 m)	32.65	42.05	9.4	7.5	1.19 Adit 5 West
	45.6	52.45	6.85	5.5	2.0 Adit 5 West
Azimuth 40, Dip 50	57.55	60.95	3.4	2.7	0.76 Adit 5 West
	2.65	20.5	17.85	13.6	0.9 Adit 5 East
Drillhole	33.9	35.6	1.7	1.3	1.15 Adit 5 East
SDH18-53 (138.25 m)	39.35	43.85	4.5	3.2	1.16 Adit 5 East
	55.25	58.35	3.1	2.35	0.85 Adit 5 East
Azimuth 120, Dip 50	63.6	64.75	1.15	0.8	3.44 Adit 5 East
	130.65	131.45	0.8	0.55	1.54 Adit 5 East

Number	From (m)	To (m)	Interval (m)	True Width (m)	Gold Stockwork (g/t)
	41.5	48.05	6.55	5.2	0.74 Adit 5 East
	51.65	58.05	6.4	5.1	1.32 Adit 5 East
	67.85	69.6	1.75	1.3	1.12 Adit 5 East
Drillhole	74.1	79.6	5.5	4.3	0.84 Adit 5 East
SDH18-54 (199.65 m)	91.0	94.6	3.6	2.7	1.38 Adit 5 East
	98.7	105.4	6.7	5.3	1.28 Adit 5 East
Azimuth 120, Dip 50	111.05	116.5	5.45	4.3	0.83 Adit 5 East
	131.0	137.25	6.25	5.0	0.74 Adit 5 East
	166.0	173.1	7.1	5.4	0.86 Adit 5 East
	57.8	61.95	4.15	2.1	0.6 Adit 5 East
Drillhole	82.1	95.4	13.3	6.5	1.03 Adit 5 East
	140.3	143.9	3.6	1.8	1.29 Adit 5 East
SDH18-60 (200.6 m)	158.65	161.6	2.95	1.5	0.55 Adit 5 East
	172.85	174.95	2.1	1.1	1.2 Adit 5 East
Azimuth 350, Dip 49	193.9	196.3	2.4	1.2	0.96 Klyuchi West
Drillhole	5.5	12.95	7.45	4.5	1.21 Adit 5 East
SDH18-61 (100.2 m)	39.25	40.35	1.1	0.65	1.37 Adit 5 East
	61.2	68.35	7.15	4.2	0.48 Adit 5 East
	13.3	26.2	12.9		1.32 Adit 5 West
	31.3	36.7	5.4		1.54 Adit 5 West
Trench	56.2	58.2	2.0		0.76 Adit 5 West
	88.0	90.0	2.0		0.68 Adit 5 West
STR18-23 (127.6 m)	94.0	117.0	23.0		1.6 Adit 5 East
	121.2	126.5	5.3		4.01 Adit 5 East
	9.5	21.0	11.5		6.49 Adit 5 West
	24.7	28.0	3.3		1.12 Adit 5 West
Trench	40.0	51.0	11.0		1.32 Adit 5 West
STR18-24 (99 m)	66.0	80.0	14.0		1.42 Adit 5 West
	91.7				











Adit 5 West



Number	From	To	Interval	True Width	Gold
	(m)	(m)	(m)	(m)	Stockwork (g/t)
	0	25.8	25.8		1.42 Adit 5 East
Trench	43.5	50.5	7.0		0.74 Adit 5 East
	54.3	57.5	3.2		0.74 Adit 5 East
STR18-25 (102 m)	75.0	77.0	2.0		0.72 Adit 5 East
	81.0	83.0	2.0		0.79 Adit 5 East

#### Quality Assurance - Quality Control ("QA/QC")

Thorough QA/QC protocols are followed on the project including insertion of duplicate, blank and standard samples in all trenches. Duplicate samples were inserted after every 20 samples. All standard samples were inserted once per 20 samples. Blanks were also inserted once per 20 samples and consisted of the previously assayed barren granitoid rocks.

Drill core samples were submitted directly to the SGS Vostok laboratories in Chita, Russia, which are independent from Orsu, for sample preparation and analysis. Analysis for Au is performed using fire assay method with atomic absorption ("AA") finish and with a gravimetric finish for samples exceeding 10g/t Au. Results published are from the gravimetric finish if above 10g/t Au and from the AA finish if lower than 10g/t Au.

#### Qualified Person

This release and the technical data reported have been reviewed and approved by Alexander Yakubchuk, Director of Exploration of the Company, also a Qualified Person as defined in NI 43-101.

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