

Orosur Mining Inc Announces

Exploration Update

MONTEVIDEO, Uruguay 14 February 2011. Orosur Mining Inc. ('OMI' or 'the Company') (TSX-V: OMI) (AIM: OMI), a South American-focused gold producer and explorer, announces an exploration update for its Chilean and Uruguayan exploration programs.

Highlights

- Results have been received for approximately 50% of the ongoing Sobresaliente drill program. Best gold intercepts include hole SSRC039 that reported 5 meters at 14.8 g/t Au from 84 meters, including 1m at 64.29 g/t Au and hole SSRC045 that reported 23 meters at 1.64 g/t Au from 157 meters.
- A first pass drill program of 2,497 meters of reverse circulation drilling was completed at the Anillo project. Anomalous results were reported in two of the five targets tested and this drilling indicated the presence of high level, low temperature epithermal mineralization at shallow depths below surface. Deeper drilling planned for May 2011.
- OMI has commenced a planned 6,500 meter summer drilling program at the Pantanillo project.

David Fowler, CEO of the Company commented: "The first half of our drill program on the Sobresaliente project has confirmed the existing resources on the project and identified a number of new positive intercepts outside the existing resource such as hole SSRC045 which contained 23 meters at 1.64 g/t Au. The first pass drill program at Anillo tested five targets to a depth of up to 200 meters. Anomalous, low temperature epithermal mineralization at a number of these targets leads us to believe that we may be in the upper portions of the system and that deeper drilling is required. We plan to commence this drilling in May 2011."

Sobresaliente (Uruguay)

The Sobresaliente project is located 5 km North of the San Gregorio Operation and comprises four discrete orebodies: North, Central, South and East. The mineralization appears to be located at the intersection of two regional structural trends where deformation has produced intense cataclasis and brecciation. Wide zones in excess of 100 m of veined / stock worked granitoids are present and the overall mineralized trend is nearly 1.2 km long.

A combined RC-DD drilling program commenced on 1 December 2010 to infill known mineralization, test along-strike extensions of the known ore bodies, test for the possibility of a bulk tonnage-low grade operation, improve the category of the resource and locally check the geologic and structural model. A total of 6,800 meters (42 holes for a total of 4,855 meters of reverse circulation ("RC") drilling and 20 holes for a total of 1,945 meters of diamond drilling ("DD") had been proposed. As of 10 February 2011, 2,295 meters of RC drilling (31 holes) and 1,219.85 meters of DD (14 of 20 holes) have been completed.

Gold results have been completely reported for reverse circulation drill holes and partially for diamond drill holes. In general, values have confirmed existing grades in the main ore bodies. Significant additional mineralization corresponding to narrow ore

shoots is being intercepted on the north and northwest extension (~100m along-strike) of the Central Zone. A significant intercept, that finished in mineralization, of 23 meters at 1.64 g/t Au from 157 meters has also been reported down dip on the eastern zone.

Complete gold results reported until 14 February 2011 are presented in the following tables, where the drill holes are sorted by the ore body zones:

Zone	Hole (1)	From (m)	Intercept (m @ g/t)	Notes
Central	SSRC022	75	2 @ 0.62	
Central	SSRC023	20	6 @ 1.97	incl. 1m @ 7.50 g/t
Central	SSRC024			No significant results
Central	SSRC025	0	4 @ 1.53	incl. 1m @ 3.64 g/t
Central	SSRC025	6	2 @ 0.63	
Central	SSRC025	13	2 @ 0.68	
Central	SSRC025	19	6 @ 0.64	
Central	SSRC025	33	1 @ 1.07	
Central	SSRC025	60	1 @ 2.77	
Central	SSRC029	20	2 @ 1.32	
Central	SSRC029	28	4 @ 2.90	incl. 1m @ 4.43 g/t
Central	SSRC029	28		incl. 1m @ 4.73 g/t
Central	SSRC029	42	2 @ 1.12	
Central	SSRC030	7	2 @ 0.93	
Central	SSRC030	25	3 @ 0.54	
Central	SSRC030	122	5 @ 0.79	
Central	SSRC030	153	5 @ 0.53	
Central	SSRC030	169	4 @ 0.68	
Central	SSRC031	71	1 @ 1.06	
Central	SSRC032	0	1 @ 2.46	
Central	SSRC033	29	1 @ 0.80	
Central	SSRC034			No significant results
Central	SSRC035	11	7 @ 0.45	
Central	SSRC035	61	4 @ 1.90	incl. 1m @ 4.05 g/t
Central	SSRC035	122	4 @ 2.74	incl. 2m @ 4.53 g/t
Central	SSRC035	132	2 @ 0.52	
Central	SSRC035	149	1 @ 3.29	
Central	SSRC039	27	2 @ 0.64	
Central	SSRC039	47	1 @ 1.37	
Central	SSRC039	66	4 @ 3.52	incl. 2m @ 6.55 g/t
Central	SSRC039	84	5 @ 14.80	incl. 1m @ 6.87 g/t
Central	SSRC039	84		incl. 1m @ 64.29 g/t
Central	SSRC039	129	2 @ 2.08	incl. 1m @ 3.43 g/t
Central	SSRC040	61	2 @ 4.22	
Central	SSRC041	43	1 @ 0.69	
Central	SSRC042	22	2 @ 1.38	
Central	SSRC042	35	6 @ 4.19	incl. 1m @ 21.73 g/t
Central	SSRC042	46	1 @ 2.27	
Central	SSRC043	41	1 @ 0.98	
Central	SSRC043	44	2 @ 1.32	
Central	SSRC044	0	1 @ 2.35	
Central	SSRC044	10	3 @ 0.82	
Central	SSRC044	28	2 @ 0.57	
East	SSRC016	33	2 @ 1.28	

Zone	Hole (1)	From (m)	Intercept (m @ g/t)	Notes
East	SSRC016	40	3 @ 0.57	
East	SSRC016	59	4 @ 1.92	incl. 1m @ 3.86 g/t
East	SSRC017	23	3 @ 0.83	
East	SSRC017	36	4 @ 1.19	
East	SSRC019	50	1 @ 1.82	
East	SSRC045	4	3 @ 1.44	
East	SSRC045	157	23 @ 1.64	incl. 1m @ 4.02 g/t
East	SSRC045	157		incl. 1m @ 3.34 g/t
East	SSRC045	157		incl. 1m @ 4.08 g/t
North	SSRC018			No significant results
North	SSRC020	3	1 @ 1.29	
North	SSRC020	7	1 @ 1.61	
North	SSRC021			No significant results
North	SSRC036	131	3 @ 0.72	
North	SSRC037	49	3 @ 0.92	
North	SSRC037	121	4 @ 0.82	
North	SSRC037	128	2 @ 0.49	
North	SSRC037	132	7 @ 0.88	
North	SSRC037	141	2 @ 0.65	
North	SSRC038	86	3 @ 0.48	
North	SSRC038	102	1 @ 0.90	
North	SSRC038	111	3 @ 2.49	incl. 1m @ 4.42 g/t
North	SSRC046	75	3 @ 0.55	
North	SSRC046	86	4 @ 0.45	
North	SSRC046	140	1 @ 2.93	
South	SSRC026	21	1 @ 3.06	
South	SSRC027	7	1 @ 1.06	
South	SSRC027	21	4 @ 1.92	incl. 1m @ 5.20 g/t
South	SSRC027	27	1 @ 2.13	
South	SSRC027	34	5 @ 0.62	
South	SSRC028			No significant results
Central	SSDD007	0	12 @ 2.76	incl. 4m @ 6.90 g/t
Central	SSDD007	17	3.65 @ 1.74	incl 0.5m @ 9.00 g/t
Central	SSDD007	24	1.30 @ 0.84	
Central	SSDD017	19	6.1 @ 0.56	
Central	SSDD018	16,2	2.4 @ 2.07	
Central	SSDD018	21,8	7.7 @ 0.55	
Central	SSDD018	79,2	1.7 @ 2.01	
Central	SSDD019	28	7.3 @ 0.63	
Central	SSDD019	38,25	7.5 @ 2.10	incl 0.75m @ 4.19 g/t
Central	SSDD019	38,25		incl 1m @ 7.33 g/t
Central	SSDD019	57	2 @ 0.55	
Central	SSDD019	71,8	3.9 @ 0.63	
East	SSDD012	33,1	1.6 @ 0.98	
East	SSDD012	37,3	2.6 @ 1.58	
East	SSDD012	41,7	5 @ 0.90	
East	SSDD012	75,7	4.9 @ 0.51	
North	SSDD009	9	7 @ 0.63	
North	SSDD010	28	6.4 @ 0.97	
North	SSDD010	54,9	2.50 @ 1.05	

Zone	Hole (1)	From (m)	Intercept (m @ g/t)	Notes
North	SSDD010	81,45	2.00 @ 0.58	
North	SSDD011	26,4	1.6 @ 1.76	
North	SSDD011	51,3	0.9 @ 1.27	
North	SSDD011	59,2	5.6 @ 0.48	
North	SSDD013	103,4	3.3 @ 0.57	
North	SSDD014			Results pending
South	SSDD008	52,25	1.60 @ 0.53	
South	SSDD008	77	2 @ 0.97	
South	SSDD008	81	4.50 @ 2.05	incl 0.5m @ 14.76 g/t
South	SSDD015			Results pending
South	SSDD016			Results pending

Notes

Weighted intercept grades were calculated using an external cutoff of 0.4g/t Au and up to 2 meters of internal dilution is reported. Samples were processed using OMI's in house laboratory using fire assay with atomic absorption finish. For quality control purposes 5% of samples are re-analyzed at external laboratories.

The best intercepts reported correspond mainly to the Central Zone (5m at 14.8 g/t including 1m at 64.29g/t) and East Zone (23m at 1.64 g/t). The drilling program will continue during February. The objective is to produce a new resource estimation that is NI43-101 compliant by Mid 2011.

Anillo (Chile)

OMI completed a first pass drill campaign of 16 reverse circulation drill holes for a total of 2,497 meters at the Anillo project. The drilling targeted anomalous geochemistry in rock and trench sampling combined with magnetic and VLF anomalies from geophysical surveys completed in October 2010.

Anomalous Ag and Au values (maximum 0.37 ppm for Au and 6 ppm for Ag) were intercepted over several meters in holes drilled in two different sectors located to the north and east of Yamana's neighboring Pampa Victoria discovery. Drilling confirms the presence of high level, low temperature epithermal mineralization at shallow depths below surface.

The Company is planning a follow up drill campaign including several deep holes (up to 500m depth) drilled in fences to test for mineralized N/S oriented structures. This decision is based on the knowledge that epithermal orebodies in the district are characteristically deep and often blind with only weak surface manifestations.

Two new sectors (central and west) at the Anillo project are currently being mapped in detail, and high density surface geochemistry is underway. Ground magnetic surveys also continue. The company hopes to generate new targets for first pass drilling in combination with the drilling mentioned above, during May 2011

Pantanillo (Chile)

OMI commenced a planned 6,500 meter summer drilling program at the Pantanillo project in early February 2011.

The first 1000m of (RC) drilling will test for additional oxide resources on the Pantanillo Sur target and will be followed by some 5,000m of reverse circulation and diamond drilling at Pantanillo Norte in late February pending the approval of the DIA which is expected by mid February.

Drilling at Pantanillo Norte will focus on enlarging as well as upgrading the current NI43-101 compliant measured and indicated oxide resource of 1.05M ounces (Sept, 2010). Also, the Company plans to drill several deep diamond holes at Pantanillo Norte

to further investigate and better define the underlying sulfide resource and obtain material for metallurgical and geomechanical tests.

Vaca Muerta (Uruguay)

OMI completed a 2,736 meter drill program in December 2010 at the Vaca Muerta project located approximately 85km east (by existing roads) of the San Gregorio plant. Encouraging final assay results were reported in the quarter 2 news release (12 Jan, 2011).

The Company has begun initial metallurgical tests and resource modeling to fast track the project. Additional detailed surface mapping and soil sampling began in January covering the entire Vaca Muerta property. Special attention is being given to the combined 1km strike extensions to the NW and SE of the Vaca Muerta deposit, as well as to the north and south where several reconnaissance geochemical anomalies are known.

Additional drilling planned for March, 2011 will include step-out holes along the Vaca Muerta controlling structure, testing of new geochemical targets and infill drilling to facilitate a measured and indicated NI 43-101 compliant resource estimation.

Other Projects (Uruguay)

OMI continues exploration on several other properties located in southern Uruguay. The Company will start a 1,500 meter infill drill campaign at Crucera in February 2011 and complete a measured and indicated NI43-101 resource estimate by the end of fiscal 2011. First pass exploration drilling has also been planned for the Rocha and Texas projects in southern Uruguay. Some 2,000-2,500 meters has been dedicated to each project and drilling will begin in April 2011.

Qualified Person's Statement

The information presented in this press release has been reviewed by William F. Lindqvist, a director of OMI. Dr. Lindqvist holds a Ph.D. in Applied Geology from Imperial College, London, has been a member of the AusIMM for 46 years, and has had 40 years of experience in international minerals exploration and property evaluation.

Forward-Looking Statements

All statements, other than statements of historical fact, contained or incorporated by reference in this news release, including any information as to the future financial or operating performance of the Company, constitute "forward-looking statements" within the meaning of certain securities laws, including the "safe harbour" provisions of the Securities Act (Ontario) and the United States Private Securities Litigation Reform Act of 1995 and are based on expectations estimates and projections as of the date of this news release. There can be no assurance that such statements will prove to be accurate; such statements are subject to significant risks and uncertainties, and actual results and future events could differ materially from those anticipated in such statements. Forward-looking statements include, without limitation success of exploration activities; permitting time lines; the failure of plant; equipment or processes to operate as anticipated; accidents; labour disputes; requirements for additional capital title disputes or claims and limitations on insurance coverage. The Company disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events and such forward-looking statements, except to the extent required by applicable law.

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About Orosur Mining Inc.

Orosur Mining Inc. is a fully integrated gold producer and exploration company focused on identifying and developing gold projects in Latin America. The Company operates the only producing gold mine in Uruguay (San Gregorio), and has assembled an exploration portfolio of high quality assets in Uruguay and Chile. The Company is quoted in Canada (TSX-Venture Exchange: OMI) and London (AIM: OMI).

For further information, please contact:

Orosur Mining Inc

David Fowler, CEO + 598 2601 6354

Ignacio Salazar, CFO + 598 2601 6354; info@orosur.ca

Matrix Corporate Capital LLP (Nominated Adviser & Broker)

Louis Castro, +44 (0) 203 206 7209

Tim Graham, +44 (0) 203 206 7206

Blythe Weigh Communications (Public Relations and Investor Relations)

Tim Blythe: +44 (0) 7816 924626

Ana Ribeiro: +44 (0) 7980 321505

Matthew Neal: +44 (0) 7917 800011