

#### 22<sup>nd</sup> May 2018

#### ACQUISITION OF TWO SLOVAK Co-Cu-Ag MINES

 Acquisition of high grade cobalt-silver projects synergistic with EUC's flagship Dobsina Project

#### Kotlinec Highlights:

- Historical adit rock chip samples reported numerous significant cobalt grades including:
  - KOM4: 7.1% Co
  - KOM9: 7.1% Co
  - KOM1: 3.1% Co
  - KOM2: 3.1% Co
  - KOM5: 2.1% Co
  - o KOM6: 1.1% Co
- Recent rock chip sampling of waste dumps reported grades of:
  - GV-245: 0.72% Co & 437 g/t Ag
  - GV-248: 0.55% Co
  - o GV-244: 0.49% Co
- Historical producer of Co-Ni-Cu sulphide mineralisation

#### Medzev Highlights:

- Historical producer of Fe-Cu-Co sulphide mineralisation
- Rock chip sampling of waste dumps reported significant grades of:
  - o GV-234: 2,460g/t Ag & 1.11g/t Au
  - GV-235: 0.38% Co & 667g/t Ag
  - GV-236: 0.742% Co & 436g/t Ag



Figure 1: Medzev Pyrite-Glaucodot (Co Sulphide) vein and disseminated mineralisation



European Cobalt Ltd ("EUC" or "the Company", ASX: EUC) is pleased to announce that it has acquired two additional historical cobalt-silver-copper mines. The Kotlinec and Medzev Projects are located 20 and 30 km south east of EUC's flagship Dobsina Project. Managing Director, Rob Jewson commented "The acquisition of these two additional projects is synergistic with EUC's strategy of consolidating high grade cobalt Projects within Europe. Such a high calibre of Projects are being introduced to us through the networks and relationships we have established whilst working in country.

No modern systematic exploration methods have been conducted across the Projects. We have added these projects to our regional exploration program for the European summer field season and will evaluate their respective scale potential."



Figure 2: EUC's Slovakian Project Portfolio



#### **KOTLINEC PROJECT**



Figure 3: Kotlinec Tenure and Rock Chip Sampling Plan

#### Location & Tenure

The Kotlinec Project covers a land area of 6.98km<sup>2</sup> and is located within the Kosice region adjacent to the town of Smolnik.

#### Geological setting

It is interpreted that the mineralisation identified within the Kotlinec Project represents the southwest extension of the previous Volcanogenic Massive Sulphide (VMS) type copper project located 4-5km northeast. Kotlinec area and its rocks were later altered and mineralised including siderite-sulphide veins. Pyrite is considered as the Co-Ni minerals host.



#### Mining & Exploration History

The first production reports were published in 1888. Mining was initially focussed on the production of sulphur through mining of pyrite. Production history of pyrite mining is incomplete.

In the period prior and during the war period, these mines were abandoned. These mines were subsequently reopened in 1951. Between 1951 and 1953, 1,460m of historical mining works were refurbished and 255m of new development was established.

Significant rock chip results from Kotlinec adits include:

- KOM1: 3.1% Co
- KOM2: 3.1% Co
- KOM4: 7.1% Co
- KOM5: 2.1% Co
- KOM6: 1.1% Co
- KOM9: 7.1% Co

Recent rock chip sampling across waste dumps at Kotlinec was undertaken and the following significant results were reported:

- GV-244: 0.488% Co & 0.63g/t Au
- GV-245: 0.723% Co, 437 g/t Ag, 0.55 g/t Au
- GV-246: 0.189% Co & 1.12 g/t Au
- GV-248: 0.554% Co & 3.55 g/t Au
- GV-250: 0.134% Co, 0.89g/t Au & 1.51% Cu

A full listing of all rock chip results is included in Appendix 1-4.



#### MEDZEV PROJECT

#### Location & Tenure



#### Figure 4: Medzev Project Location Plan

The Medzev Project covers an area of 5.97km<sup>2</sup> and is located within the Kosice Region surrounding the town of Medzev.

#### Mineralisation

The most significant structure within the Project area is the Fichtenhubel deposit which consists of the Kornelius, Konstantia, Kristof, Michal I, Michal II, Daniel I and Daniel II Veins. All of these veins have a classical siderite-sulphide mineralisation typical of the region with abundant chalcopyrite which has been the dominant focus of mining since the Middle Ages. Of particular interest is the occurrence of the Cobalt (Kobaltova) Vein located SE of Cu-siderite veins. Kobaltova Vein might extend towards East where similar Co-Ni veins are known including Co-Ni Vein Pri Krizi. No systematic work regarding the Co distribution within the area is known. Co-Ni quartz



vein is emplaced along schist (porphyroid) and phyllite. The hill located NE of Kobaltova Vein is named 'Cobalt' hill on the old maps.

Some veins in the area are 200 -700m along strike and of variable thickness 0.3 - 5m and opened for exploration on the depth, dipping subvertical. For example, vertical feeder of Konstanci Vein was explored down to a depth of 650m.



Figure 5: Kobatolva Waste Dump Sample (Pyrite-Glaucodot Sulphide Vein)



#### Waste Dump Sampling

Four rock chip samples were taken from Medzev and submitted for geochemical analysis in order to gain an understanding towards the tenor of mineralisation. Waste dump material composition is historically described as quartz, arsenopyrite, glaucodot, Co-Ni arsenide, cobaltite, chalcopyrite, pyrite, marcasite, tetrahedrite, sphalerite, and native Bi. The following significant results were reported:

- GV-234: 2,460g/t Ag & 1.11g/t Au
- GV-235: 0.38% Co & 667g/t Ag
- GV-236: 0.742% Co & 436g/t Ag

#### TRANSACTION TERMS

- 100% acquisition of both granted licences for cash consideration of EUR15,000 payable on the transfer of the licences to EUC & 1% Net Smelter Royalty on all minerals sold from Licences
- Commitment of EUR25,000 in total across both Licences per year for the two years following the completion of the acquisition
- Vendor to conduct exploration activities on site at commercial rates and under the supervision of EUC



#### DISCLAIMER

Forward-looking statements are statements that are not historical facts. Words such as "expect(s)", "feel(s)", "believe(s)", "will", "may", "anticipate(s)" and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company's prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

#### COMPETENT PERSONS STATEMENT:

The information in this announcement that relates to the Exploration Results for Dobsina, Medzev and Kotlinec is based on information compiled and fairly represented by Mr Robert Jewson, who is a Member of the Australian Institute of Geoscientists and Managing Director of European Cobalt Ltd. Mr Jewson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he has undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Jewson consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.



#### APPENDIX 1: KOMPASS II ADIT HISTORICAL GRAB SAMPLING RESULTS:

Sample	East	North	Fe%	Cu%	<b>\$%</b>	Co%
KOM1	479,143	5,395,888	40.78	0.257	31.68	3.10
KOM2	479,143	5,395,888	28.25	0	14.57	3.10
KOM3	479,143	5,395,888	9.69	0.03	3.32	*
KOM4	479,143	5,395,888	40.35	0.221	2.07	7.1
KOM5	479,143	5,395,888	41.36	0.165	34.37	2.1
KOM6	479,143	5,395,888	31.16	0	25.91	1.1
KOM7	479,143	5,395,888	28.54	0	19.8	0.024
KOM8	479,143	5,395,888	16.6	0.061	10.29	0.02
KOM9	479,143	5,395,888	34.66	0	19	7.1

\* Not Assayed. Coordinates reported are in UTM WGS 84 zone 34N. Exact location within the adit of the grab samples was not recorded in the historical report.

#### **S%** North Cu% Fe% Co% Ni% Sample East \* \* Kz6 478,249 5,395,427 16.2 0.13 0.03 Kz7 20.59 \* 0.02 \* 478,249 5,395,427 0.2 \* \* \* Kz10 478,249 5,395,427 17.85 0.668 Kz10 478,249 5,395,427 18.89 0.36 1.05 0.3 \* (duplicate) \* Kz11 478,249 5,395,427 25.32 32.16 0.146 0.414 Kz12 478,249 5,395,427 27.29 0.061 31.59 0.501 \* Kz13 33 0.449 \* 478,249 5,395,427 23.5 0.08 Kz14 478,249 5,395,427 6.21 0.632 24.54 0.38 \*

#### APPENDIX 2: KRIZ ADIT HISTORICAL GRAB SAMPLING RESULTS:

\* Not Assayed. Coordinates reported are in UTM WGS 84 zone 34N. Exact location within the adit of the grab samples was not recorded in the historical report



#### APPENDIX 3: RAKOCZY ADIT HISTORICAL GRAB SAMPLING RESULTS:

Sample	East	North	<b>\$%</b>	Cu%	Fe%	Co%
R.21	477,928	5,395,642	15.61	*	18.81	*
R.20	477,928	5,395,642	23.43	0.61	17.88	*
R.22	477,928	5,395,642	30.91	0.16	27.02	*
R.19	477,928	5,395,642	23.83	0.96	13.95	*
R.23	477,928	5,395,642	13.03	0.05	22.63	*
R.18	477,928	5,395,642	28.05	0.055	36.64	0.363
R.17	477,928	5,395,642	6.36	0.054	22.85	0.311
R.16	477,928	5,395,642	4.24	0.096	35.03	0.397
Se.525	477,928	5,395,642	0.14	*	41.12	*
Se.522	477,928	5,395,642	0.24	*	38.99	*
Se.521	477,928	5,395,642	0.18	*	45.82	*
Se.519	477,928	5,395,642	0.49	*	34.44	*
Se.517	477,928	5,395,642	2.22	*	41.07	*

\* Not Assayed. Coordinates reported are in UTM WGS 84 zone 34N. Exact location within the adit of the grab samples was not recorded in the historical report



#### APPENDIX 4: KOTLINEC RECENT WASTE DUMP ROCK CHIP SAMPLING RESULTS

Sample	Location	East	North	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm
GV-239	Kotlinec	478,824	5,395,870	9.74	<0.02	523	628	154
GV-240	Kotlinec	478,885	5,396,075	12.65	0.16	313	4,560	285
GV-241	Kotlinec	478,885	5,396,075	7.78	0.07	56.1	8,010	75
GV-242	Kotlinec	478,950	5,396,496	1.34	0.02	245	1,820	77
GV-243	Kotlinec	478,498	5,395,562	27.1	0.05	773	1,890	95
GV-244	Kotlinec	478,498	5,395,562	7.51	0.63	4,880	609	184
GV-245	Kotlinec	478,425	5,395,523	437	0.55	7,230	5,460	116
GV-246	Kotlinec	477,953	5,395,647	87.4	1.12	1,890	5,240	90
GV-247	Kotlinec	477,559	5,395,286	2.89	0.52	548	33.8	515
GV-248	Kotlinec	478,347	5,395,795	4.58	3.55	5,540	475	109
GV-249	Kotlinec	478,695	5,396,045	4.1	0.06	279	3,120	236
GV-250	Kotlinec	479,227	5,396,856	17.7	0.89	1,340	15,150	59

#### APPENDIX 5: MEDZEV RECENT WASTE DUMP ROCK CHIP SAMPLING RESULTS

Sample	Location	East	North	Ag ppm	Au ppm	Co ppm	Cu ppm	Ni ppm
GV-233	Medzev	491,361	5,398,761	5.79	0.05	91.7	7,060	67
GV-234	Medzev	489,819	5,398,656	2,460	1.11	457	97	42
GV-235	Medzev	489,819	5,398,656	677	0.44	3,810	234	166
GV-236	Medzev	489,922	5,398,661	436	0.44	7,420	237	245



#### **APPENDIX 6: MEDZEV**

#### JORC Code, 2012 Edition – Table 1

#### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Comments
	<ul> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</li> </ul>	Selective samples of mineralisation sourced from waste dumps were identified, photographed, logged and sampled on site.
	<ul> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> </ul>	The mineralised samples selected were selected in order to obtain an understand the style and tenor of mineralisation prior to systematic work being undertaken.
Sampling techniques	<ul> <li>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	3kg samples were selected for both retaining for reference and geochemical analysis. Samples were crushed and pulverised to 95% passing <106µm. Samples were analysed using four acid digest with ICP finish. Samples were prepared by ALS Laboratories Romania and were shipped to ALS Laboratories Ireland for analysis.
Drilling techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	No drilling results have been included this release.



Criteria	JORC Code explanation	Comments
	• Method of recording and assessing core and chip sample recoveries and results assessed.	No drilling results have been included this release.
Drill sample recovery	<ul> <li>Measures taken to maximise sample</li> <li>recovery and ensure representative</li> <li>nature of the samples.</li> <li>Whether a relationship exists between</li> </ul>	No drilling results have been included this release.
	sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	release.
	<ul> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> </ul>	Detailed geological logging has been completed on the selected samples. The samples are reconnaissance in nature and are not suitable for inclusion in a mineral resource estimation.
Logging	<ul> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> </ul>	Logging of rock chips was completed both on a qualitative and quantitative basis. The lithologies, mineral species, sulphide species, oxidation states and mineral abundances were recorded.
	• The total length and percentage of the relevant intersections logged.	No drilling, rock chip sampling only.
	If core, whether cut or sawn and whether quarter, half or all core taken.	No drilling, rock chip sampling only.
Sub-sampling techniques and sample preparation	<ul> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> </ul>	No drilling, rock chip sampling only.
	<ul> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	Sample preparation was completed in accordance with ALS Laboratories standard operating procedure inclusive of crush and pulverise sample to 95% passing <106µm.
	<ul> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> </ul>	Standard preparation procedure inclusive of internal laboratory internal crushing and pulverising QC tests were applied by ALS Laboratories.
	• Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	The sampling completed was selective in order to gain an understanding of the tenor of mineralisation within the three discrete styles of mineralisation noted to occur.



Criteria	JORC Code explanation	Comments
	• Whether sample sizes are appropriate to the grain size of the material being sampled.	3kg samples for rock chip sampling of this nature is considered sufficient.
	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	Four acid digest with ICP-AES finish is considered industry standard for mineralisation style. This method is considered to be total digestion.
Quality of assay data and laboratory tests	• For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No geophysical instruments used
	<ul> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	Internal laboratory standards and blanks were utilised. For more extensive programs going forward certified standards, field duplicates and blank samples will be utilised.
	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> </ul>	No drilling intersections are reported.
Vorification of	• The use of twinned holes.	No drilling, rock chip sampling only.
sampling and assaying	<ul> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> </ul>	Field logging of samples was recorded using paper sample register. The information was subsequently digitised and stored in an access database.
	Discuss any adjustment to assay data.	No adjustments to assay data was performed.
Location of	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Hand held GPS was utilised in order to locate samples taken.
data points	• Specification of the grid system used.	UTM-WGS84- zone 34N
	<ul> <li>Quality and adequacy of topographic control.</li> </ul>	A digital terrain model was generated from 1:50,000 topographic map. The quality of the DTM is sufficient for the stage of exploration for the Project.
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> </ul>	Rock chip information gathered from selected mullock samples was spaced



	anation Comments
	irregularly due to the reconnaissance
	nature of the program being undertaken.
· Whether	ne data spacing and Not attempting to establish a mineral
distribution is su	fficient to establish the resource only guide the prospectivity and
degree of g	eological and grade future drilling
continuity appr	opriate for the Mineral
Resource and	Ore Reserve estimation
procedure(s) an	d classifications applied.
· Whether s	ample compositing has No sample compositing is completed.
been applied.	
· Whether the	orientation of sampling No documentation with respect to the
achieves unbia	ed sampling of possible orientation of samples and potential of bias.
structures and t	le extent to which this is
Orientation of known, consider	
	Isnip between the drilling No drilling, rock chip sampling only.
	the orientation of key
	h a sampling higs this
should be as	with a sumpling bids, mis
material.	
· The measure	s taken to ensure sample Samples were taken and transported by the
security.	vendor's staff and contractors via courier
Sample security	ALS Laboratory in Romania and transported
	via courier to ALS Laboratory Ireland.
Audits or • The results of	any audits or reviews of No audits or reviews of sampling have been
Addita di	



#### Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement	· Type, reference	Medzev consists of a granted Licence (License
and land tenure	name/number, location	number 4316/2018-5.3) covering a land area of
status	and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	5.97km <sup>2</sup> . Upon the transfer of the Licence, it will be directly held by CE Metals s.r.o, a 100% wholly owned subsidiary of NiCo Minerals Pty Ltd, a 100% wholly owned subsidiary of European Cobalt Ltd.
	• The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	No known impediments exist with respect to the exploration or development of Medzev Project.
Exploration done by	Acknowledgment and	At present the only identified activities conducted
other parties	appraisal of exploration by other parties.	across the site has been completed by previous mining operators.
Geology	<ul> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	The Medzev Project is located in the Veporske vrchy Mountains in central Slovakia. Mineralisation style being targeted is five element style veins. These veins identified in the area range in strike extent of 200 to 700m, thicknesses of 0.3 to 5m and down dip extent of up to 650m. Co-Ni mineralised quartz veins are noted to be emplaced along schist (porphyroid) and phyllite contacts.
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:	No drilling performed
	o easting and northing of the drill hole collar	No drilling performed



Criteria	JORC Code explanation	Commentary
	o elevation or RL (Reduced	No drilling performed
	Level – elevation above	
	sea level in metres) of the	
	drill hole collar	
	o dip and azimuth of the	No drilling performed
	hole	
	o down hole length and	No drilling performed
	interception depth	
	o hole length.	No drilling performed
	· If the exclusion of this	All available information has been released.
	information is justified on	
	the basis that the	
	information is not Material	
	and this exclusion does not	
	detract from the	
	understanding of the	
	report, the Competent	
	Person should clearly	
	explain why this is the case.	
Data aggregation	In reporting Exploration	No aggregation methods applied
methods	Results, weighting	
	averaging rechniques,	
	cutting of high grades) and	
	cut-off arades are usually	
	Material and should be	
	stated.	
	· Where gagregate	No agaregation methods applied
	intercepts incorporate short	
	lengths of high grade results	
	and longer lengths of low	
	grade results, the	
	procedure used for such	
	aggregation should be	
	stated and some typical	
	examples of such	
	aggregations should be	
	shown in detail.	
	· The assumptions used	No metal equivalence are reported.
	for any reporting of metal	
	equivalent values should	
	be clearly stated.	



Criteria	JORC Code explanation	Commentary
Relationship	• These relationships are	No drilling performed
between	particularly important in the	
mineralisation widths	reporting of Exploration	
and intercept lengths	Results.	
	· If the geometry of the	No drilling performed
	mineralisation with respect	
	to the drill hole angle is	
	known, its nature should be	
	reported.	
	· If it is not known and	No drilling performed
	only the down hole lengths	
	are reported, there should	
	be a clear statement to this	
	effect (eg 'down hole	
	length, true width not	
	known').	
Diagrams	Appropriate maps and	Maps and plans have been included in
	sections (with scales) and	announcement.
	tabulations of intercepts	
	should be included for any	
	significant discovery being	
	reported These should	
	include, but not be limited	
	to a plan view of drill hole	
	collar locations and	
	appropriate sectional	
	views.	
Balanced reporting	· Where comprehensive	All results including those with no significant results
	reporting of all Exploration	have been reported.
	Results is not practicable,	
	representative reporting of	
	both low and high grades	
	and/or widths should be	
	practiced to avoid	
	misleading reporting of	
	Exploration Results.	



Criteria	JORC Code explanation	Commentary
Other substantive	• Other exploration data,	No other exploration data is considered meaningful
exploration data	if meaningful and material,	and material to this announcement.
	should be reported	
	including (but not limited	
	to): geological	
	observations; geophysical	
	survey results; geochemical	
	survey results; bulk samples	
	- size and method of	
	treatment; metallurgical	
	test results; bulk density,	
	groundwater,	
	geotechnical and rock	
	characteristics; potential	
	deleterious or	
	contaminating substances.	
Further work	• The nature and scale of	Detailed geological mapping, geochemical
	planned further work (eg	sampling and acquisition/translation/digitisation of
	tests for lateral extensions or	historical exploration data is to be undertaken.
	depth extensions or large-	
	scale step-out drilling).	
	· Diagrams clearly	Further activities will be planned upon completion of
	highlighting the areas of	the field reconnaissance and data collation.
	possible extensions,	
	including the main	
	geological interpretations	
	and future drilling areas,	
	provided this information is	
	not commercially sensitive.	



#### **APPENDIX 7: KOTLINEC**

#### JORC Code, 2012 Edition – Table 1

#### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Comments
	Nature and quality of sampling (eg	Recent Waste Dump Sampling:
	cut channels, random chips, or specific	Selective samples of mineralisation sourced
	specialised industry standard	from waste dumps were identified,
	measurement tools appropriate to the	photographed, logged and sampled on
	minerals under investigation, such as	site.
	down hole gamma sondes, or handheld	
	XRF instruments, etc.). These examples	Historical Adit Sampling:
	should not be taken as limiting the broad	Selective grab samples of mineralisation
	meaning of sampling.	were taken from underground adits.
	Include reference to measures taken	Recent Waste Dump Sampling:
	to ensure sample representivity and the	The mineralised samples selected were
	appropriate calibration of any	selected in order to obtain an understand
	measurement tools or systems used.	the style and tenor of mineralisation prior to
		systematic work being undertaken.
Sampling		Historical Adit Sampling:
techniques		No reference to sampling procedures was
reeningues		included within the historical report.
	· Aspects of the determination of	Recent Waste Dump Sampling:
	mineralisation that are Material to the	3kg samples were selected for both
	Public Report. In cases where 'industry	retaining for reference and geochemical
	standard' work has been done this would	analysis. Samples were crushed and
	be relatively simple (eg 'reverse	pulverised to 95% passing <106µm. Samples
	circulation drilling was used to obtain 1 m	were analysed using four acid digest with
	samples from which 3 kg was pulverised to	ICP finish. Samples were prepared by ALS
	produce a 30 g charge for fire assay'). In	Laboratories Romania and were shipped to
	other cases more explanation may be	ALS Laboratories Ireland for analysis.
	required, such as where there is coarse	
	gold that has inherent sampling problems.	Historical Adit Sampling:
	Unusual commodities or mineralisation	The weight of samples submitted and
	types (eg submarine nodules) may	analytical methods utilised was not
	warrant disclosure of detailed	documented in the historical report.
	information.	



Criteria	JORC Code explanation	Comments
Drilling techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	Recent Waste Dump Sampling: No drilling results have been included this release. Historical Adit Sampling: No drilling results have been included this release.
	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> </ul>	Recent Waste Dump Sampling: No drilling results have been included this release. Historical Adit Sampling: No drilling results have been included this release.
Drill sample recovery	• Measures taken to maximise sample recovery and ensure representative nature of the samples.	Recent Waste Dump Sampling: No drilling results have been included this release. Historical Adit Sampling: No drilling results have been included this release.
	• Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	Recent Waste Dump Sampling: No drilling results have been included this release. Historical Adit Sampling: No drilling results have been included this release.
Logging	• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Recent Waste Dump Sampling: Detailed geological logging has been completed on the selected samples. The samples are reconnaissance in nature and are not suitable for inclusion in a mineral resource estimation. Historical Adit Sampling: Samples were geologically logged in terms of lithology and sulphide species if present. The samples were taken for reconnaissance purposes and are not suitable for inclusion



Criteria	JORC Code explanation	Comments
	· Whether logging is qualitative or	Recent Waste Dump Sampling:
	quantitative in nature. Core (or costean,	Logging of rock chips was completed both
	channel, etc) photography.	on a qualitative and quantitative basis. The
		lithologies, mineral species, sulphide
		species, oxidation states and mineral
		abundances were recorded.
		Historical Adit Sampling:
		Logging was completed only on a
		qualitative basis. Lithology and sulphide
		species were included but not their relative
		abundance.
	· The total length and percentage of	Recent Waste Dump Sampling:
	the relevant intersections logged.	No drilling, rock chip sampling only.
		Historical Adit Sampling:
		No drilling, rock chip sampling only.
	· If core, whether cut or sawn and	Recent Waste Dump Sampling:
	whether quarter, half or all core taken.	No drilling, rock chip sampling only.
		Historical Adit Sampling:
		No aniling, rock chip sampling only.
	sampled retary split etc and whether	No drilling, rock chip sampling only
	sampled, rotary spin, etc. and whether	
		Historical Adit Samplina:
		No drilling, rock chip sampling only.
	· For all sample types, the nature,	Recent Waste Dump Sampling:
Sub-samplina	quality and appropriateness of the	Sample preparation was completed in
techniques and	sample preparation technique.	accordance with ALS Laboratories
sample		crush and pulverise sample to 95% passing
preparation		<106µm.
		Historical Adit Samplina:
		The sample preparation method was not
		documented in the historical report.
	· Quality control procedures adopted	Recent Waste Dump Sampling:
	for all sub-sampling stages to maximise	Standard preparation procedure inclusive
	representivity of samples.	of internal laboratory internal crushing and
		pulverising QC tests were applied by ALS
		Laboratories.



Criteria	JORC Code explanation	Comments
		Historical Adit Sampling:
		The sample preparation method was not documented in the historical report. As such the respective quality control procedures with respect to sub sampling stages cannot be documented
	· Measures taken to ensure that the	Recent Waste Dump Sampling:
	sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	The sampling completed was selective in order to gain an understanding of the tenor of mineralisation.
		Historical Adit Sampling:
		The sampling completed was selective in order to gain an understanding of the tenor of mineralisation.
	· Whether sample sizes are appropriate	Recent Waste Dump Sampling:
	to the grain size of the material being sampled.	3kg samples for rock chip sampling of this nature is considered sufficient.
		Historical Adit Sampling: No references to the sample size was documented in the historical report and as such it is not possible to determine whether the size of the sample was appropriate to argin size of material being sampled.
	• The nature, auglity and	Recent Waste Dump Samplina:
	appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	Four acid digest with ICP-AES finish is considered industry standard for mineralisation style. This method is considered to be total digestion.
Quality of assay data and laboratory tests		Historical Adit Sampling: No references to the assaying or laboratory analytical procedures were included in the historical report and as such it is not possible to determine whether the laboratory technique conducted is partial or total digestion method.
	For geophysical tools, spectrometers,	Recent Waste Dump Sampling:
	handheld XRF instruments, etc, the parameters used in determining the	No geophysical instruments used.
	analysis including instrument make and	Historical Adit Sampling:
	model, reading times, calibrations factors applied and their derivation, etc.	No geophysical instruments were utilised.



Criteria	JORC Code explanation	Comments
	<ul> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	Recent Waste Dump Sampling: Internal laboratory standards and blanks were utilised. For more extensive programs going forward certified standards, field duplicates and blank samples will be utilised. Historical Adit Sampling: No quality control procedures were
	• The verification of significant intersections by either independent or alternative company personnel.	documented.  Recent Waste Dump Sampling: No drilling intersections are reported.  Historical Adit Sampling: No drilling intersections are reported.
	• The use of twinned holes.	Recent Waste Dump Sampling: No drilling, rock chip sampling only. Historical Adit Sampling: No drilling, rock chip sampling only.
Verification of sampling and	<ul> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> </ul>	Recent Waste Dump Sampling: Field logging of samples was recorded using paper sample register. The information was subsequently digitised and stored in an access database.
assaying		Historical Adit Sampling: Relevant data was identified within historical reports, tabulated data was entered into excel and scanned maps were registered and where relevant digitised. Tabulated data was imported into an Access database and validated.
	Discuss any adjustment to assay data.	Recent Waste Dump Sampling:Noadjustmentstoassaydatawasperformed.Historical Adit Sampling:Noadjustmentstoassaydatawasperformed.
Location of data points	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and</li> </ul>	Recent Waste Dump Sampling: Hand held GPS was utilised in order to locate samples taken.



Criteria	JORC Code explanation	Comments
	other locations used in Mineral Resource	
	estimation	Historical Adit Sampling:
		Seanned and registered many were
		scanned and registered maps were
		validated against both high resolution
		satellite imagery and were tield verified in
		terms of the location where relevant.
	• Specification of the grid system used.	Recent Waste Dump Sampling:
		UTM-WGS84- zone 34N
		Historical Adit Sampling:
		UTM-WGS84- zone 34N
	<ul> <li>Quality and adequacy of</li> </ul>	Recent Waste Dump Sampling:
	topographic control.	A digital terrain model was generated from
		1:50,000 topographic map. The quality of
		the DTM is sufficient for the stage of
		exploration for the Project.
		Historical Adit Sampling:
		A digital terrain model was generated from
		1:50,000 topographic map. The quality of
		the DTM is sufficient for the stage of
		exploration for the Project.
	· Data spacing for reporting of	Recent Waste Dump Sampling:
	Exploration Results.	Rock chip information gathered from
		selected mullock samples was spaced
		irregularly due to the reconnaissance
		nature of the program being undertaken.
		Historical Adit Sampling:
		Rock chip information gathered from
		selected mullock samples was spaced
Data spacing		irregularly due to the reconnaissance
and distribution		nature of the program being undertaken.
	· Whether the data spacing and	Recent Waste Dump Sampling:
	distribution is sufficient to establish the	Not attempting to establish a mineral
	degree of geological and grade	resource only guide the prospectivity and
	continuity appropriate for the Mineral	future drilling.
	Resource and Ore Reserve estimation	
	procedure(s) and classifications applied.	Historical Adit Sampling:
		Not attempting to establish a mineral
		resource only quide the prospectivity and
		future drilling
		future drilling.



Criteria	JORC Code explanation	Comments
	· Whether sample compositing has	Recent Waste Dump Sampling:
	been applied.	No sample compositing is completed.
		Historical Adit Sampling:
		No sample compositing is completed.
	· Whether the orientation of sampling	Recent Waste Dump Sampling:
	achieves unbiased sampling of possible	The sampling is reconnaissance in nature
	structures and the extent to which this is	and is not from insitu material.
	known, considering the deposit type.	
		Historical Adit Sampling:
Orientation of		Selective grab samples of mineralisation
data in relation		were taken. As such the samples do not
to geological		represent a true width of mineralisation.
structure	· If the relationship between the arilling	Recent waste Dump Sampling:
	minardised structures is considered to	no aniling, rock chip sampling only.
	have introduced a sampling higs this	Historical Adit Sampling
	should be assessed and reported if	No drilling, rock chip sampling only
	material.	
	• The measures taken to ensure sample	Recent Waste Dump Sampling:
	security.	Samples were taken and transported by the
		vendor's staff and contractors via courier
		ALS Laboratory in Romania and transported
Sample security		via courier to ALS Laboratory Ireland.
		Historical Adit Sampling:
		No documentation from historical report
		regarding sample transportation or security.
	· The results of any audits or reviews of	Recent Waste Dump Sampling:
	sampling techniques and data.	No audits or reviews of sampling have been
Audits or		completed to date.
reviews		
		Historical Adit Sampling:
		No audits or reviews of sampling have been
		completed to date.



#### Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement	· Type, reference	Kotlinec consists of a granted Licence (License
and land tenure	name/number, location	number 4314/2018-5.3) covering a land area of
status	and ownership including	$6.98 \text{km}^2.$ Upon the transfer of the Licence, it will be
	agreements or material	directly held by CE Metals s.r.o, a 100% wholly owned
	issues with third parties such	subsidiary of NiCo Minerals Pty Ltd, a 100% wholly
	as joint ventures,	owned subsidiary of European Cobalt Ltd.
	partnerships, overriding	
	royalties, native title	
	interests, historical sites,	
	wilderness or national park	
	and environmental settings.	
	• The security of the	No known impediments exist with respect to the
	tenure held at the time of	exploration or development of Kotlinec Project.
	reporting along with any	
	known impediments to	
	obtaining a licence to	
	operate in the area.	
Exploration done by	Acknowledgment and	A comprehensive historical report was prepared by
other parties	appraisal of exploration by	the Ministry of Metallurgy and Mining Management
	other parties.	of the Geological Survey "Final Report on Smolnik" in
		1954 by J llavesky and J Kotras.
Geology	<ul> <li>Deposit type,</li> </ul>	The Kotlinec Project is located in the Veporske vrchy
	geological setting and style	Mountains in central Slovakia. It is interpreted that
	of mineralisation.	the mineralisation identified within the Kotlinec
		Project represents the southwest extension of the
		previous Volcanogenic Massive Sulphide (VMS) type
		copper project located 4-5km northeast. Kotlinec
		area and its rocks were later altered and mineralised
		including siderite-sulphide veins. Pyrite is considered
		as the Co-Ni minerals host.
Drill hole Information	• A summary of all	No drilling performed
	information material to the	
	understanding of the	
	exploration results including	
	a tabulation of the	
	following information for all	
	Material drill holes:	
	o easting and northing of	No drilling performed
	the drill hole collar	



Criteria	JORC Code explanation	Commentary
	o elevation or RL (Reduced	No drilling performed
	Level – elevation above	
	sea level in metres) of the	
	drill hole collar	
	o dip and azimuth of the	No drilling performed
	hole	
	o down hole length and	No drilling performed
	interception depth	
	o hole length.	No drilling performed
	· If the exclusion of this	All available information has been released.
	information is justified on	
	the basis that the	
	information is not Material	
	and this exclusion does not	
	detract from the	
	understanding of the	
	report, the Competent	
	Person snould clearly	
	explain why this is the case.	
Data aggregation	In reporting Exploration	No aggregation methods applied
memoas	avoraging tochniques	
	maximum and/or minimum	
	arade truncations lea	
	cutting of high grades) and	
	cut-off grades are usually	
	, Material and should be	
	stated.	
	· Where aggregate	No aggregation methods applied
	intercepts incorporate short	
	lengths of high grade results	
	and longer lengths of low	
	grade results, the	
	procedure used for such	
	aggregation should be	
	stated and some typical	
	examples of such	
	aggregations should be	
	shown in detail.	
	• The assumptions used	No metal equivalence are reported.
	for any reporting of metal	
	equivalent values should	
	be clearly stated.	



Criteria	JORC Code explanation	Commentary
Relationship	• These relationships are	No drilling performed
between	particularly important in the	
mineralisation widths	reporting of Exploration	
and intercept lengths	Results.	
	· If the geometry of the	No drilling performed
	mineralisation with respect	
	to the drill hole angle is	
	known, its nature should be	
	reported.	
	· If it is not known and	No drilling performed
	only the down hole lengths	
	are reported, there should	
	be a clear statement to this	
	effect (eg 'down hole	
	length, true width not	
	known').	
Diagrams	<ul> <li>Appropriate maps and</li> </ul>	Maps and plans have been included in
	sections (with scales) and	announcement.
	tabulations of intercepts	
	should be included for any	
	significant discovery being	
	reported These should	
	include, but not be limited	
	to a plan view of drill hole	
	collar locations and	
	appropriate sectional	
	views.	
Balanced reporting	· Where comprehensive	All results including those with no significant results
	reporting of all Exploration	have been reported.
	Results is not practicable,	
	representative reporting of	
	both low and high grades	
	and/or widths should be	
	practiced to avoid	
	misleading reporting of	
	Exploration Results.	



Criteria	JORC Code explanation	Commentary
Other substantive	• Other exploration data,	No other exploration data is considered meaningful
exploration data	if meaningful and material,	and material to this announcement.
	should be reported	
	including (but not limited	
	to): geological	
	observations; geophysical	
	survey results; geochemical	
	survey results; bulk samples	
	– size and method of	
	treatment; metallurgical	
	test results; bulk density,	
	groundwater,	
	geotechnical and rock	
	characteristics; potential	
	deleterious or	
	contaminating substances.	
Further work	• The nature and scale of	Detailed geological mapping, geochemical
	planned further work (eg	sampling and acquisition/translation/digitisation of
	tests for lateral extensions or	historical exploration data is to be undertaken.
	depth extensions or large-	
	scale step-out drilling).	
	<ul> <li>Diagrams clearly</li> </ul>	Further activities will be planned upon completion of
	highlighting the areas of	the field reconnaissance and data collation.
	possible extensions,	
	including the main	
	geological interpretations	
	and future drilling areas,	
	provided this information is	
	not commercially sensitive.	