

VISIBLE GOLD IDENTIFIED IN UGA-33 DRILL CORE AT STUREC GOLD MINE

Highlights

- Visible Gold has been identified at two intervals, 29.6m and 72.8m (downhole) in UGA-33 during logging (Figure 1 and 2)
- UGA-33 was completed to a depth of 109.2m and is an infill drill hole below recently drilled UGA-30 as well as above and parallel to UGA-03, which intersected a thick mineralized zone of 59m @ 2.3 g/t Au & 9.4 g/t Ag from 225m (0.3g/t Au cut-off, downhole thickness, refer to MTC announcement dated 28 October 2020) including:
 - 31.61m @ 3.76 g/t Au & 11 g/t Ag from 248m (0.5g/t Au cut-off)
 - 24m @ 4.74 g/t Au & 13.4 g/t Ag from 252m (1g/t Au cut-off)
 - 15m @ 6.70 g/t Au & 15.3 g/t Au from 252m (2g/t Au cut-off)
 - 7m @ 11.65 g/t Au & 24.7 g/t Ag from 252m (5g/t Au cut-off)

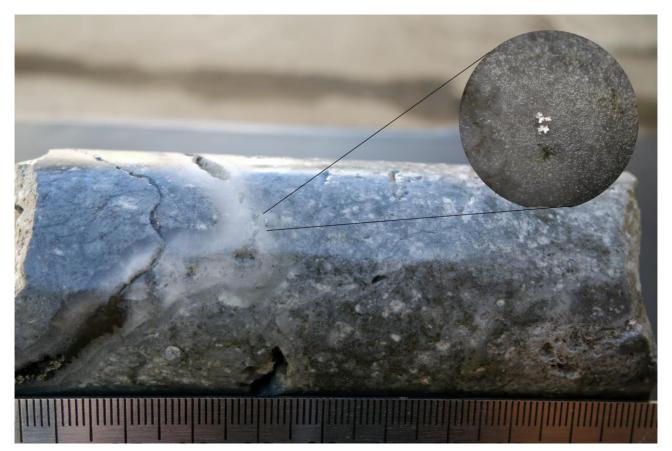


Figure 1: ~1-2cm wide, white, drusy quartz veinlet filled by fine-grained disseminated pyrite-marcasite crystals. VG is preserved as an ~ 0.3mm sized aggregate of VG at 29.6m in UGA-33. Field of view of magnified inset image is ~4mm across (x40 magnification).



MetalsTech Limited (ASX: MTC) (MTC or the Company) is pleased to provide stakeholders with an update on its Phase II diamond drilling program at the Company's 100%-owned Sturec Gold Mine, located in Slovakia (**Sturec**). During detailed geological logging and sampling, visible gold at 29.6m and 72.8m was identified within quartz filled vein/stockwork/breccia zones, variably rich in fine to very fine grained sulphides (mainly pyrite/marcasite) and hosted within variably argillic altered and brecciated andesite host rock from approximately Om to 91.5m down hole (*not true thickness) in the drill core from hole UGA-33.

<u>Cautionary Note</u>: This intersection is not a true thickness as the drill hole was drilled at an acute angle to the mineralised zone due to the location of the underground drill site relative to the target zone. Resource modelling suggests the true thickness of mineralisation in this area is between 20-40m wide.

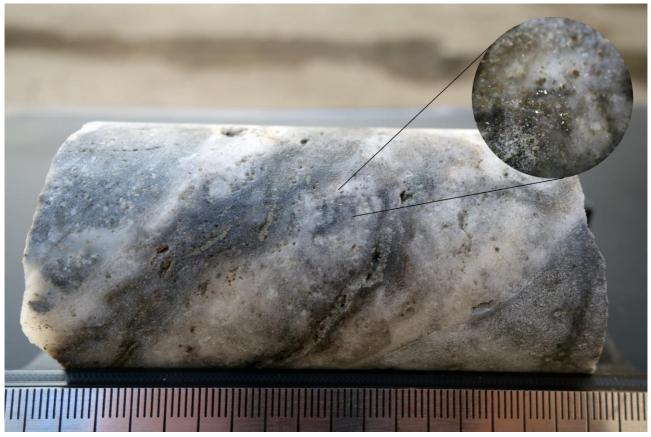


Figure 2: -7-10cm wide quartz vein zone containing multiple generations of drusy, fine grained, transparent to white to grey chalcedonic quartz-pyrite/marcasite filled veins, with very fine grained visible gold at 72.8m in UGA-33. Field of view of magnified inset image is -10mm across (x20 magnification).

The drill hole collar details for UGA-33 is set out in Table 1 below.

Drill hole name	Easting (m)	Northing (m)	RL (m)	Datum	Azimuth (°TN)	Dip (°)	EOH Depth (m)
UGA-33	-435,851	-1,230,123	656	S-JTSK/ Krovak	008	-70	109.2

Table 1: Drill Collar details

** This announcement is authorised by the executive board on behalf of the Company **



The visible gold at 29.6m is present as a single, up to 0.3mm sized aggregate of VG within a ~1-2cm wide, white, drusy quartz veinlet also containing fine-grained disseminated pyrite-marcasite crystals (Figure 1).

The visible gold at 72.8m is present as upto ~0.1mm sized blebs within a 7-10cm wide zone of containing multiple generations of drusy, fine grained, transparent to white to grey chalcedonic quartz-pyrite filled veins (Figure 2). This quartz vein zone also contains rare nests up to 1cm with microscopic Ag-sulphosalts.

Note: With respect to any visible gold observed in UGA-33, it must be cautioned that visual observations and estimates are uncertain in nature and should not be taken as a substitute for appropriate laboratory analysis. Laboratory assay results will be reported when they are received and interpreted.

UGA-33

UGA-33 was stopped to a depth of 109.2. UGA-33 was positioned as an infill drill hole below recently drilled UGA-30 and above UGA-03, which intersected a thick mineralized zone of **59m @ 2.3 g/t Au & 9.4 g/t Ag** from 225m (0.3g/t Au cut-off, downhole thickness) including:

- 31.61m @ 3.76 g/t Au & 11 g/t Ag from 248m (0.5g/t Au cut-off)
- 24m @ 4.74 g/t Au & 13.4 g/t Ag from 252m (1g/t Au cut-off)
- 15m @ 6.70 g/t Au & 15.3 g/t Au from 252m (2g/t Au cut-off)
- 7m @ 11.65 g/t Au & 24.7 g/t Ag from 252m (5g/t Au cut-off)

See Figure 3 for the relative position of UGA-33 compared the current interpretation of the mineralised zone and to the existing Sturec Mineral Resource respectively (refer to MTC announcement dated 21 June 2021). UGA-33 and UGA-30 were drilled from Drill Chamber III, which is 80m to the north of Drill Chamber I from which UGA-03 was drilled.

UGA-33 intersected approximately 91.5m (*not true thickness) of variably argillic altered and brecciated andesite host rock containing varying amounts of quartz filled vein / stockwork / breccia, variably rich in fine to very fine grained sulphides (mainly pyrite/marcasite) from approximately Om to 91.5m down hole. The Company looks forward to providing an update on UGA-33 in the next few weeks as the core is currently being sampled and will be dispatched to the lab as soon as possible.

Note: The 91.5m thick zone of variably argillic altered and brecciated andesite host rock containing varying amounts of quartz filled vein / stockwork / breccia, variably rich in fine to very fine grained sulphides (mainly pyrite) observed in UGA-33 is a geological observation of non-economic minerals that are possibly associated with gold. However, this is not a visual estimate as there is no way to visually estimate the gold content of this potentially mineralised zone. Laboratory assay results will be reported when they are received and interpreted.

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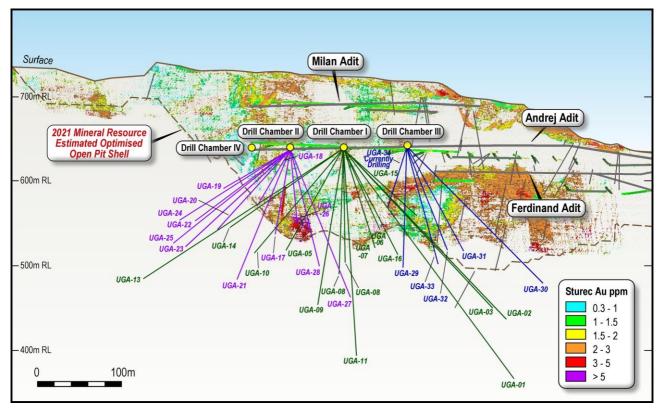


Figure 3: Long-section showing the traces of drill holes from the various drill chambers; shown relative to mineralisation within the existing Sturec Mineral Resource displayed as a 3D point cloud (grade scale shown with psuedocolor spectrum). This view is looking west

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Caution Regarding Forward-Looking Information

This document contains forward-looking statements concerning MetalsTech. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of, the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes.

Forward looking statements in this document are based on the company's beliefs, opinions and estimates of MetalsTech as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

Competent Person Statement

The information in this announcement that relates to Exploration Results is based on information compiled by Dr Quinton Hills Ph.D., M.Sc., B.Sc. Dr Hills is the technical advisor of MetalsTech Limited and is a member of the Australasian Institute of Mining and Metallurgy (No. 991225). Dr Hills has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Dr Hills consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in the report to which this statement is attached that relates to Mineral Resources for the Sturec Gold Deposit is based on information compiled by Mr Chris Grove, who is a Member of The Australasian Institute of Mining and Metallurgy (No. 310106). Mr Grove is a full-time employee of Measured Group Pty Ltd and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Grove consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



Background: Sturec Gold Mine

The Sturec Gold Mine is located in central Slovakia between the town of Kremnica and the village of Lučky, 17km west of central Slovakia's largest city, Banská Bystrica, and 150km northeast of the capital, Bratislava.

Sturec is a low sulphidation epithermal system and contains a total Mineral Resource of 38.5Mt @ 1.23 g/t Au and 8.8 g/t Ag (1.30g/t AuEq¹), containing 1.522Moz of gold and 10.93Moz of silver (1.611Moz of gold equivalent) using a 0.26g/t Au cut-off within an optimised open pit shell; as well as 148kt @ 3.55 g/t Au and 12.6 g/t Ag (3.64g/t AuEq¹), containing 17koz of gold and 60koz of silver (18koz of gold equivalent) outside the optimised open pit shell on an underground mining basis; reported in accordance with JORC (2012).

Updated Sturec Mineral Resource Estimate											
Resource Estimate above 0.26 g/t Au cut-off and within an optimised open pit shell											
Resource Category	Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t) ¹	Au (koz)	Ag (koz)	AuEq (koz)				
Measured	15,340	1.43	12.04	1.53	704	5,940	752				
Indicated	18,438	1.20	6.74	1.25	709	3,995	742				
Measured + Indicated	33,778	1.30	9.15	1.38	1413	9,935	1494				
Inferred	4,717	0.72	6.56	0.77	109	995	117				
TOTAL	38,495	1.23	8.83	1.30	1,522	10,930	1,611				
	Resource Esti	mate above	2 g/t Au cut-c	off: outside o	ptimised ope	n pit shell					
Resource Category	Tonnes (kt)	Au (g/t)	Ag (g/t)	AuEq (g/t)¹	Au (koz)	Ag (koz)	AuEq (koz)				
Measured	30	2.90	21.18	3.08	3	21	3				
Indicated	114	3.75	10.5	3.81	14	38	14				
Measured + Indicated	144	3.57	12.74	3.66	17	59	17				
Inferred	4	2.73	8.0	2.80	0	1	1				
TOTAL	148	3.55	12.62	3.64	17	60	18				

Mineral Resource Estimate – Sturec Gold Project

¹ AuEq g/t = ((Au g/t grade*Met. Rec.*Au price/g) + (Ag g/t grade*Met. Rec.*Ag price/g)) / (Met. Rec.*Au price/g) Long term Forecast Gold and Silver Price (source: Bank of America): \$1,785 USD/oz and \$27 USD/oz respectively. Gold And silver recovery from the 2014 Thiosulphate Metallurgical test work: 90.5% and 48.9% respectively. It is the Company's opinion that both gold and silver have a reasonable potential to be recovered and sold from the Sturec ore using Thiosulphate Leaching/Electrowinning as per the recoveries indicated.

^{**} This announcement is authorised by the executive board on behalf of the Company **

APPENDIX A: 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	Details
Sampling techniques	 Nature and quality of sampling (e.g. 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 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 (e.g. '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 (e.g. submarine nodules) may warrant disclosure of detailed information. 	 Routine samples over prospective mineralised intervals from diamond drill core as determined by an experienced geologist are 1m half drill core; or quarter core for duplicates (routine ½ core sample sawn into two ¼ core samples). Entire sample sent to ALS laboratory in Romania for preparation and fire assay analysis, while the four-acid digest with ICPAES is completed at the ALS laboratory in Ireland. 90% of sample to be crushed to <2mm. Sample is then dried and riffle split to produce a 1kg split. 1kg split then pulverised to 85% passing <75µm to produce a 50g charge for fire assay for gold analysis and a 0.25g sample for four acid digestion (near-total) with an ICPAES (inductively coupled plasma atomic emission spectroscopy) finish for 33 elements including Ag, Cu, Co, Pb, Zn, etc. If coarse-grained gold (Visible Gold) is encountered then Au is also analysed by screen fire assay. The remaining sample from the 90% of the original routine sample that was crushed to <2mm and dried is then riffle split again to produce another 1kg split. This 1kg split is then dry screened to a nominal 106 micron. Duplicate 50g fire assays with AAS finish are then performed on the undersize, and fire assay with gravimetric finish is done on the entire oversize fraction. Then the total gold content is calculate and reported, using the individual assays and weight of the fractions.
Drilling techniques	• Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).	 The current program is utilising diamond drilling from multiple underground locations within the Andrej Adit. None of the diamond core is being oriented. UGA-33 was drilled with NQ (47.6mm core diameter) to 109.2m (EOH).
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. 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. 	 Core recovery is measured as the length of core recovered versus the depth of the drill hole. In detail, the length of each 'run' of core recovered (between 0-6m) is measured and its length compared to the length the drillers measured from the drill rod advance. The core recovery for all drill holes so far is excellent, greater than 90%. Historic drill records indicate that core recovery at the Sturec Project was consistently good, where historic mining voids have not been encountered. No relationship between sample recovery and grade has been interpreted in assay results received so far as recovery is excellent.

Criteria	JORC Code Explanation	Details
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	• The core was geologically and geotechnically logged to a level to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Core is logged both qualitatively and quantitatively.
	 studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. 	• All logging data is digitally captured via excel spreadsheets, which are then validated when they are imported into a resource modelling software package.
	• The total length and percentage of the relevant intersections	Core photography is completed for all drill holes.
	logged.	The entire length of drill core is logged.
Sub-sampling techniques and	• If core, whether cut or sawn and whether quarter, half or all core taken.	• Routine samples over prospective mineralised intervals from diamond drill core as determined by an experienced geologist are sawn into 1m half drill core; or quarter core for duplicates.
sample	• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	Same side of drill core sampled to ensure no selective sampling bias.
preparation	 For all sample types, the nature, quality and appropriateness of the sample preparation technique. 	• The other half of the core was retained for geological reference and potential further sampling, such as metallurgical test work.
	• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	• Entire sample sent to ALS laboratory in Romania for preparation and fire assay analysis, while the four-acid digest with ICPAES is completed at the ALS laboratory in Ireland.
	 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. Whether sample sizes are appropriate to the grain size of the material being sampled. 	• 90% of sample crushed to <2mm. Sample then dried and riffle split. 1kg split then pulverised to 85% passing <75µm to produce a 50g charge for fire assay for gold analysis and a 0.25g sample for four acid digestion (near-total) with an ICPAES (inductively coupled plasma atomic emission spectroscopy) finish for 33 elements including Ag, Cu, Co, Pb, Zn, etc.
		• The remainder of the material is retained as a coarse split for metallurgical test work.
		Remaining pulps are retained for analyses such as second laboratory check assays.
		• Duplicate samples (routine 1m ½ core sample sawn in half to produce two ¼ core samples) taken every 30 samples or at least one per hole if less than 30 samples taken.
		• A Certified Reference Material (CRM or 'Standard') is inserted into the routine sample sequence approximately every 30 samples or at least one per hole if less than 30 samples taken.
		• A blank (material with no concentrations of economic elements under consideration) is inserted into the routine sample sequence approximately every 30 samples or at least one per hole if less than 30 samples taken.
		• Sample prep techniques utilised are industry standard for Carpathian epithermal-style gold mineralisation and are considered appropriate.
		• Samples sizes are considered appropriate for the grain-size of the material being sampled.
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	• Analysis completed by using 50g charge for fire assay for gold analysis and a 0.25g sample for four acid digestion (near-total) with an ICPAES (inductively coupled plasma atomic emission spectroscopy) finish for 33 elements including Ag, Cu, Co, Pb, Zn, etc.
	 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. Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	• If coarse-grained gold (visible gold) is encountered then Au will also be analysed by screen fire assay. The remaining sample from the 90% of the original routine sample that was crushed to <2mm and dried is then riffle split again to produce another 1kg split. This 1kg split is then dry screened to a nominal 106 micron. Duplicate 50g fire assays with AAS finish are then performed on the undersize, and fire assay with gravimetric finish is done on the entire oversize fraction. Then the total gold content is calculated and reported, using the individual assays and weight of the fractions.

Criteria	JORC Code Explanation	Details
		 Analysis techniques utilised are industry standard for Carpathian epithermal-style gold mineralisation and are considered appropiate.
		 Laboratory Routine QC protocol for Au-AA26: 1 lab Blank, 2 lab CRM, 3 client duplicates,1 PREP Duplicate per batch (up to 77 samples). Laboratory Routine QC protocol for ME- ICP61: 1 lab Blank, 2 lab CRM, 2 client duplicates,1 PREP Duplicate per batch (up to 77 samples).
		 Internal laboratory checks, as well as internal and external check assays such as repeats and check assays enable assessment of precision. Contamination between samples is checked for by the use of blank samples (laboratory and company inserted). Assessment of accuracy will be carried out by the analysis of the assay results of the CRMs.
		 QAQC results are reviewed on a batch-by-batch basis. Any deviations from acceptable precision or indications of bias are acted upon prior to announcing any results with repeat and check assays.
Verification of sampling	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. 	• On receipt of assay results from the laboratory, the results are verified by the Exploration Manager and by responsible geologists who compare the results with the geological logging and remaining drill core (or core photography if site access is not possible).
	• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	No twins have been completed yet.
	Discuss any adjustment to assay data.	 All primary data (logging, sample intervals and assay results) is digitally captured via excel spreadsheets, which are then validated when they are imported into a resource modelling software package.
		• Data is stored in secure company owned Dropbox that has a 180 day file recovery and version history function.
		There has been no adjustment to assay data.
Location of data points	 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. 	 Locations of diamond drill hole collars, channel samples and mine workings are recorded using the Slovak National Datum: S-JTSK/Krovak Datum.
	 Specification of the grid system used. Quality and adequacy of topographic control. 	• As the location of the current drill hole is within the Andrej Adit, which has been surveyed, its location is very accurately known.
		• High-resolution topography over the project was acquired using LiDAR.
Data spacing	Data spacing for reporting of Exploration Results.	Data spacing is highly variable across the prospect.
and distribution	• Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	• UGA-33 was positioned as an infill drill hole above but parallel to UGA-03, which intersected a thick mineralized zone of 59m @ 2.3 g/t Au & 9.4 g/t Ag from 225m (0.3g/t Au cut-off, downhole thickness; refer to MTC announcement dated 28 October 2020) including:
	Whether sample compositing has been applied.	 31.61m @ 3.76 g/t Au & 11 g/t Ag from 248m (0.5g/t Au cut-off) 24m @ 4.74 g/t Au & 13.4 g/t Ag from 252m (1g/t Au cut-off) 15m @ 6.70 g/t Au & 15.3 g/t Au from 252m (2g/t Au cut-off) 7m @ 11.65 g/t Au & 24.7 g/t Ag from 252m (5g/t Au cut-off)
		• The area currently being drilled has been included in the Updated 2021 Sturec Mineral Resource Estimate constrained within an optimised pit (refer to MTC announcement dated 21 June 2021) and therefore, the data spacing and distribution is interpreted to be sufficient to

Criteria	JORC Code Explanation	Deta	ils
			establish the degree of geological and grade continuity appropriate for Mineral Resource and Ore Reserve estimation.
		•	No samples have been composited.
Orientation of data in relation to geological	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the 	•	Due to only three (soon to be four) sites within the Andrej Adit being suitable for drilling currently, the drill holes fan out and are therefore drilled at various acute angles to the strike of the exploration target and the adjoining mineral resource.
structure	orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	•	Further drilling, especially from other locations is necessary to better constrain the dip of the mineralised zone before a true thickness estimate can be made.
Sample security	• The measures taken to ensure sample security.	•	Samples were securely stored in company facilities prior to being completely sealed and couriered to the ALS laboratory in Romania.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	•	Due to the early stage of the drill program, no audits/reviews of the sampling techniques and assay data has been completed at this stage.

Section 2 - Reporting of Exploration Results

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

Criteria	JORC Code Explanation	Details					
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites,	 Sturec Gold Project consists of the Kremnica Mining Territory (9.47 km²) owned by Slovakian limited liability company Ortac SK, which is a wholly-owned subsidiary of Ortac UK (a private limited company registered in England and Wales). Kremnica Mining Territory' and Mining Licence details: 'Kremnica Mining Territory' 					
	wilderness or national park and	Name:	Mining Territory Kremnica Au-Ag				
environmental settings.		Mining area No:	MHD-D.P 12				
	• The security of the tenure held at the	Date of Issuance:	21 January 1961				
	time of reporting along with any	Metals	Gold and Silver				
	known impediments to obtaining a licence to operate in the area.	Duration:	Indefinite				
	incence to operate in the area.	Holder of the:	Ortac, s.r.o				
		Amendments:	• No. 1037-1639/2009				
		ORTAC,s.r.o. Mining Licence de					
		Name:	Ortac,s.r.o.				
		Mining License No:	1830-3359/2008				
		Date of Issuance:	13 November 2008				
		Subject:	Opening, preparation and exploitation of reserved mineral resource				

Criteria	JORC Code Explanation	Details				
		Duration:	 Installation, conservation and decommissioning of mining work Processing and refinement of mineral resources Installation and operation of unloading areas and dumps Opening the mining works to the public for museum purposes and related safety maintenance works Indefinite 			
		Responsible Person:	Ing. Peter Čorej			
		Amendments:	 No. 773-1398/2015 dated 11 May 2015 extending the subject of the Mining License No. 979-1401/2019 dated 11 June 2019 updating the information on statutory body 			
		17km west of central S	icence is located in central Slovakia between the town of Kremnica and the village of Lučky, Slovakia's largest city, Banska Bystrica, and 150km northeast of the capital, Bratislava.			
		Metals Tech owns 1009	% of the Sturec Gold Project by completing the acquisition of Ortac UK on 14 February 2020.			
		 As a part of the acquisition, MetalsTech Limited has granted Arc Minerals Limited a royalty equal to A\$2 per of resource that is delineated at the project above an open cut JORC (2012) Indicated and Measured Re that exceeds 1.5million ounces at a grade greater than 2.5g/t AuEq after 2 years from the date of execution Terms Sheet but before the date that is 5 years after the date of execution of the Terms Sheet capped at ounces. 				
		application, which was	(named Ortac Resources Limited at this time) submitted a small-scale underground mining awarded by the Central Mining Bureau in 2014. Trial underground mining commenced in ulk sample was extracted from Sturec for metallurgical test work.			
			Court in Banská Bystrica ruled against the Central Mining Bureau concerning the underground o Arc Minerals Limited in 2014 and revoked the decision to issue the mining permit.			
			al Mining Bureau issued Ortac SK with an amended underground mining permit that allowed activities to recommence.			
		fulfilling the condition r Mining Licence Area f	K (Arc Minerals Limited) re-commenced the trial underground mining activities at Sturec, required by Slovak regulations to preserve its right to exploit the ore deposit in the Kremnica for a minimum period of at least three years. 500t of ore was extracted and used for a relating to alternative processing technologies to the conventional cyanide leaching.			
			lling the project to MetalsTech), Arc Minerals Limited has continued working with the local olders to facilitate the development of the project.			
		• In October 2019, the 0 small-scale mining acti being received.	Central Mining Bureau issued Ortac SK with an underground mining permit that allowed for vities to recommence: Decision No. 827-2373 / 2019. This decision was appealed soon after			
			e appeals against Decision No. 827-2373 / 2019 were rejected by the State Mining underground mining authorisation was upheld.			
		condition required by	ech Limited re-commenced the underground mining activities at Sturec, in order to fulfill the Slovak regulations to preserve its right to exploit the ore deposit in the Kremnica Mining imum period of at least three years.			
			ficially registered as the holder of the Kremnica Mining Territory, the validity of the allocation Territory has been repeatedly disputed. Arguments challenging the validity of the allocation			

Criteria	JORC Code Explanation	Details
		of the Kremnica Mining Territory have been raised by third parties in licensing proceedings in respect of particular mining activities within the Kremnica Mining Territory. So far, the merits of such arguments have not been assessed by the court, as the respective court decisions were issued on procedural grounds in the past. Despite the existence of reasonable legal arguments defending the validity of the allocation of the Kremnica Mining Territory, it cannot be ruled out that the challenges to its validity will eventually prevail before the court. Even if the validity of the allocation of the Kremnica Mining Territory is successfully defended in principle, there is a risk that Ortac SK's entitlement to the Kremnica Mining Territory could be held to be limited to underground operations only.
		• There are no environmental protected areas in the vicinity of the project resource area, except a protected lime tree situated close to the Leopold Shaft, adjacent to the monument commemorating the visit by Emperor Joseph II to Kremnica. Permission can be obtained to fell the tree if necessary, from the Provincial Environmental Office in Banska Bystrica.
		• It appears that a significant part of the Kremnica Mining Licence is covered by a heritage conservation area. This is not surprising given the extensive mining history throughout this area. The previous owners Arc Minerals Ltd used this fact to their advantage by establishing the Andrej Kremnica Mining Museum, whose two main attractions are the Ludavika Shaft Building and the Andrej Adit, which was established in 1982 by the State to access the main quartz vein mineralisation. As a result, various requirements under the applicable regulations in the area of heritage protection must be complied with. Further investigation needs to be completed to understand the effect this Heritage Protection will have on any proposed mining activities.
		• There is one registered environmental burden located in the Kremnica Mining Territory with registration number SK/EZ/ZH/2129. This environmental burden relates to the processing facilities including the historic waste dumps that are situated immediately next to the Arc Minerals operation office/Andrej Kremnica Mining Museum. It is categorized "only" as a potential (probable) environmental burden as no significant contamination/acid rock drainage (ARD) effects have been reported concerning these historic mining remnants.
		• There is risk concerning the further development of the Sturec Gold Project due to the historic social and environmental opposition to the development of a mining operation in this area. The opposition is believed to be the result of two main factors: previous development plans utilised cyanide ore processing; and previous development plans involved digging a large open pit in relatively proximity to the township of Kremnica.
		 To minimise the first risk, MetalsTech is investigating alternative gold processing methods, especially Thiosulphate Leaching, which has previously been used quite successfully on Sturec ore samples during metallurgical test work in 2014. Also, in 2014 the CSIRO successfully collaborated with Barrick Gold Corp. to implement Thiosulphate ore processing technology on the Goldstrike Mine in Nevada, USA, which now produces approximately 350,000 ounces of gold per annum for Barrick and Newmont Goldcorp Corp; proving that this technology can be utilised economically and at significant scale.
		 To minimise the second risk, MetalsTech intends to put in place a comprehensive project stakeholder engagement programme to attempt to understand and mitigate their concerns about the development of a mining operation on the Sturec Gold Project. Also, the full suite of benefits to the country and local communities that will arise from the Sturec Gold Project (such as job creation, training, capital investment, revenue generation, procurement of goods and services locally, and community development initiatives) need to be properly communicated to project stakeholders, so that that they can use this to motivate/ justify the project in project-approval processes.
Exploration dor by other parties		Many exploration companies have previously explored the Sturec Gold Project and the surrounding areas. The details of the exploration history are outlined below:

Criteria	JORC Code Explanation	Details
		 The Slovak Geological Survey carried out extensive exploration in the Sturec area from 1981 to 1987, including extensive adit and cross-cut development within the Sturec zone.
		 Rudne Bane operated the open-pit mine at Sturec from 1987 to 1992 and produced 50,028t of ore averaging 1.54g/t Au. During this time, Rudne Bane conducted underground sampling of the larger mineralised portions of the Sturec deposit (40 channels for 3,149 individual samples) and 12 underground fan drill holes (for 425.3m) into the northern-most known limits of the deposit. A total of 266 sample intervals were assayed for gold and silver.
		 Kremnica Banská Spolocnost (KBS), an investment company composed of former mine managers, obtained the title to the Kremnica Mining Lease (MHD-D.P. 12) from the Slovak government on 1 April 1995. In 1995, Argosy Mining Corporation (Argosy) of Vancouver formed a 100% owned Slovak Subsidiary, Argosy Slovakia s.r.o., which entered into a joint venture with KBS on 6 October 1995. Argosy Slovakia purchased KBS's share of the joint venture on 24 April 1997 to control 100% of the mining licence through its subsidiary, Kremnica Gold a.s. Argosy completed a core drilling programme in 1996 and a combined core and reverse- circulation (RC) drilling programme in 1997. This core/RC program totalled 79 holes for 12,306m; 9,382.4m of which was into the Sturec Deposit area.
		 In July 2003, Tournigan Gold Corporation (Tournigan) acquired the rights to the Sturec Project by purchasing Kremnica Gold a.s. from Argosy. Tournigan then completed 104 diamond core and RC drill holes for ~14,000m over the period 2004 to 2008. The majority of these holes were into the Sturec Deposit, but adjacent areas were also explored. In the summer and autumn of 2005, Tournigan executed a 36-hole program of RC drilling as infill of Argosy's and Tournigan's earlier core drilling programs into the Sturec Deposit. Tournigan also drilled five additional holes as twins of Argosy's previous core holes. This drilling resulted in the deposit being drilled off on approximate 50-metre centres (earlier drilling had been on approximately 100 x 50 metre centres). The RC program results confirmed the geology and ore outlines that were previously established by core drilling (e.g., rock types and alteration, location of zones of oxidation, location of ore-bearing veins and stockworks, hanging walls, footwalls, thicknesses, strikes, dips, and grades). The holes and assay results were displayed on cross-sections and recorded on logs. Samples were collected at 1-meter intervals under the immediate supervision of a geologist, sealed in plastic bags, and submitted for analysis and check analyses according to the required formal protocols. The holes were logged on site by the drill geologists and again in the laboratory where qualitative samples were taken and inventoried as geological reference samples. The bulk rejects from these RC samples are stored at the operational offices at the Andrej Mining Museum. Tournigan also completed nine bench channel surveys incorporating a total of 317 sample intervals. In 2004, Tournigan also conducted an 11-hole diamond drilling programme north of Sturec at the Wolf prospect.
		 Ortac Resources (now Arc Mineral Limited) acquired the project in 2009. Since 2009 till MetalsTech acquired the project from them in February 2020, Ortac drilled 13 core holes for 2,771.7m within the Sturec Deposit area. They also completed 4 drill core holes at the Vratislav Prospect, immediately to the north of the Sturec Mineral Resource area and 3 drill core holes at the Wolf Prospect, immediately north of the Vratislav Prospect.
Geology	• Deposit type, geological setting and style of mineralisation.	 The Sturec Gold Project is located in the Central Slovakia Volcanic Area in the Kremnica Mountains of the Western Carpathians. The Central Slovakia Volcanic Field hosts several Ag–Au epithermal vein-type deposits including Banská Štiavnica, Kremnica, Hodruša-Hámre, and Nová Bana, which were important sources of precious and base metals in the past. The area is characterised by Tertiary pyroxene-amphibole andesite flows and tuffs of the Zlata Studna Formation. The andesites are underlain by Mesozoic limestone. Deep-seated structures and faults within the pre-Tertiary basement interpreted to be extensional Horst and Graben in style, focussed sub-volcanic intrusions of gabbrodiorite, diorite, diorite porphyry, and minor quartz-diorite porphyry at depth and associated mesothermal mineralising events, which were then overprinted by the epithermal precious metal mineralisation. In the Kremnica

Criteria	JORC Code Explanation	Details										
		 area, the structure is controlled by a 6-7km long, N-S trending horst, known as the Kremn which is interpreted to be the result of the sub-volcanic intrusions of gabbrodiorite, diorite, d minor quartz-diorite porphyry at depth causing this zone to be uplifted relative to the two geither side. The Sturec Gold Project mineralisation is classified as a low-sulphidation epithermal Ag-Au interpreted to have formed from low-salinity fluids composed of a mixture of meteoric and temperatures mostly between ~270 to 190 °C. The mineralisation is hosted by quartz-containing adularia, sericite, illite and chalcedony that cut through Neogene propyllitised (medium temperature hydrothermal alteration) andesites of the Kremnica stratovolcano. alteration from the veins outwards consists of silicification and potassic-metasomatism (adularid) and argillisation. Vein styles include large banded to massive quartz veins, smaller quartz veins quartz stockwork veining and silicified hydrothermal breccias. 							e, diorite porp vo graben str Au deposit ty nd magmatic tz-dolomite d (low pressu no. The hyd dularia), prop	ohyry, and uctures to ype and is waters at veins also ure/low to trotherma oylitizatior		
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a	• Drill	l collar detai	ls:								
	tabulation of the following information for all Material drill holes:	Drill hole name	Easting (m)	Ν	orthing (m)	RL (m)	Datum		zimuth °TN)	Dip (°)	EOH Depth (m)	•
	 easting and northing of the drill hole collar 	UGA-33	-435,851	-435,851 -1,230,123		656	S-JTSK/ Krovak C		008	-70	109.2	
	 elevation or RL (Reduced Level elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and 	• Sun	nmary table	of sign	ificant drill	hole interse	ections so far:	To (m)				
	interception depth • hole length. • If the exclusion of this information is	Hole	Width (m) (Down hole depth)		Au g/t	Ag g/t	(Down hole depth)	(Down hole depth)	Cut-off (%)			
	justified on the basis that the information is not Material and this exclusion does not detract from the		38.00	@	17.72	17.6	44.00	82.00	0.26g		, no top cut and ma s internal dilution	ax. 7m
	understanding of the report, the Competent Person should clearly		including									
	explain why this is the case.		18.00	@	36.96	30.6	64.00	82.00	0.5g/		no top cut and max s internal dilution	x. 5m
		UGA-18				including						
			6.00 @		109.82	81.7	76.00	82.00	82.00 1g/t Au cut-off, no top continuous inter		no top cut and max s internal dilution	3m
						including						

Criteria	JORC Code Explanation	Details					•	•	
			45.00	@	2.65	10.4	52.00	97.00	0.26g/t Au cut-off, no top cut and max. 2m continuous internal dilution
					ir	ncluding			
		UGA-17	35.00	@	3.31	12.3	60.00	95.00	1g/t Au cut-off, no top cut and max. 5m continuous internal dilution
					ir	ncluding			
			19.00	@	5.08	12.9	67.00	86.00	2g/t Au cut-off, no top cut and max. 3m continuous internal dilution
			126.00	@	5.31	7.3	1.00	127.00	0.26g/t Au cut-off, no top cut and max. 7m continuous internal dilution
					ir	ncluding			
			70.00	@	9.23	7.8	40.00	110.00	0.5g/t Au cut-off, no top cut and max. 7m continuous internal dilution
		UGA-16			ir	ncluding			
			1.00	@	584.00	333.0	41.00	42.00	
						and			
			2.00	@	13.94	14.9	106.00	108.00	1g/t Au cut-off and no internal dilution
			124.00	@	1.47	11.6	3.00	127.00	0.26g/t Au cut-off and max. 6m continuous internal dilution
					ir	ncluding			
			14.00	@	2.70	27.5	17.00	31.00	1g/t Au cut-off and 4m internal dilution
						and			
		UGA-15	3.00	@	3.75	9.5	52.00	55.00	0.5g/t Au cut-off and no internal dilution
						and			
			7.00	@	7.97	25.3	64.00	71.00	1g/t Au cut-off and 1m internal dilution
						and			
			9.00	@	3.77	16.4	93.00	102.00	0.5g/t Au cut-off and 2m internal dilution
		UGA-14	108.00	@	2.22	7.6	26.00	134.00	0.2g/t Au cut-off and max. 7m continuous internal dilution

Criteria	JORC Code Explanation	Details	-						
			63.00	@	3.53	9.6	71.00	134.00	0.3g/t Au cut-off and 9m internal dilution
			42.00	@	4.98	11.9	91.00	133.00	1g/t Au cut-off and max. 5m continuous internal dilution
					i	ncluding			
			10.00	@	16.98	26.4	95.00	105.00	2g/t Au cut-off and 2m internal dilution
			2.00	@	1.74	3.5	78.00	80.00	0.26g/t Au cut-off and no internal dilution
			4.00	@	0.61	3.3	99.00	103.00	0.26g/t Au cut-off and no internal dilution
			3.00	@	0.82	8.5	132.00	135.00	0.26g/t Au cut-off and no internal dilution
		UGA-13							
			19.00	@	4.25	3.7	152.00	171.00	0.26g/t Au cut-off and max. 5m continuous internal dilution
					i	ncluding			
			5.00	@	14.90	6.1	157.00	162.00	0.5g/t Au cut-off and 2m internal dilution
			10.00	@	0.85	3.0	204.00	214.00	0.26g/t Au cut-off and 3m internal dilution
			111.00	@	0.96	5.4	15.00	126.00	0.2g/t Au cut-off and max. 7m continuous internal dilution
					i	ncluding			
		UGA-11	19.00	@	4.23	17.2	107.00	126.00	1g/t Au cut-off and 5m internal dilution
					i	ncluding			
			6.00	@	8.39	21.0	117.00	123.00	3g/t Au cut-off and 3m internal dilution

Criteria	JORC Code Explanation	Details							
			137.00	@	0.60	1.2	0.00	137.00	0.2g/t Au cut-off and max. 3m continuous internal dilution
					ir	ncluding			
			15.00	@	1.21	13.0	0.00	15.00	0.5g/t Au cut-off and max. 4m continuous internal dilution
						and			
			5.00	@	1.22	15.3	32.0	37.00	0.5g/t Au cut-off and 1m internal dilution
		UGA-08				and			
			5.00	@	4.48	5.2	87.00	92.00	0.3g/t Au cut-off and 3m internal dilution
				-		and			
			5.00	@	1.06	4.5	126.00	131.00	0.5g/t Au cut-off and no internal dilution
						and			
			2.00	@	1.22	2.7	135.00	137.00	0.5g/t Au cut-off and no internal dilution
			81.00	@	1.90	10.3	17.00	98.00	0.26g/t Au cut-off and max. 5m continuous internal dilution
					ir				
		UGA-12	35.00	@	3.73	11.6	63.00	97.00	0.5g/t Au cut-off and max. 6m continuous internal dilution
					ir				
			5.00	@	20.46	21.0	92.00	97.00	1g/t Au cut-off and no internal dilution
			2.00	@	2.44	20.5	22.00	24.00	0.26g/t Au cut-off and no internal dilution
			6.00	@	0.89	4.2	56.00	62.00	0.26g/t Au cut-off and 2m internal dilution
		UGA-10			ir	ncluding			
			3.00	@	1.28	4.0	56.00	59.00	0.5g/t Au cut-off and 1m internal dilution
			60.00	@	1.03	5.2	83.00	143.00	0.3g/t Au cut-off and max. 3m continuous internal dilution

Criteria	JORC Code Explanation	Details								
					i	ncluding				
			6.00	@	1.73	9.0	83.00	89.00	0.5g/t Au cut-off and no internal dilution	
						and	-			
			3.00	@	1.85	4.5	108.00	111.00	0.5g/t Au cut-off and no internal dilution	
						and				
			13.00	@	2.06	6.3	123.00	136.00	0.5g/t Au cut-off and max. 1m continuous internal dilution	
					i	ncluding				
			2.00	@	5.87	2.3	134.00	136.00	1g/t Au cut-off and no internal dilution	
		-						-		
			5.00	@	0.64	5.6	16.00	21.00	0.26g/t Au cut-off and 3m internal dilution	
				•				•		
			4.00	@	0.55	4.9	32.00	36.00	0.26g/t Au cut-off and 2m internal dilution	
			2.00	@	2.38	3.0	46.00	48.00	0.26g/t Au cut-off and no internal dilution	
		UGA-09	2.00	@	0.84	14.4	61.00	63.00	0.26g/t Au cut-off and no internal dilution	
			21.00	@	0.96	3.6	86.00	107.00	0.26g/t Au cut-off and max. 2m continuous internal dilution	
				-	i	ncluding	_			
			7.00	@	2.24	6.0	100.00	107.00	0.5g/t Au cut-off and 2m internal dilution	
				-	i	ncluding	_			
			4.00	@	3.31	9.0	103.00	107.00	1g/t Au cut-off and 1m internal dilution	
		UGA-07	112.00	@	0.87	7.7	16.00	128.00	0.26g/t Au cut-off and max. 5m continuous internal dilution	
					i	ncluding				

Criteria	JORC Code Explanation	Details						•	
			24.00	@	2.28	11.5	17.00	41.00	0.5g/t Au cut-off and max. 7m continuous internal dilution
					iı	ncluding			
			4.00	@	10.86	36.2	34.00	38.00	1g/t Au cut-off and 2m internal dilution
			5.00	@	1.11	5.2	92.00	97.00	0.5g/t Au cut-off and 1m internal dilution
			5.00	e		5.2	52.00	57100	
			3.00	@	1.57	5.0	112.00	115.00	0.5g/t Au cut-off and no internal dilution
			-				-		
			70.00	@	3.43	14.7	33.00	103.00	0.26g/t Au cut-off and max. 6m continuous internal dilution
					iı	ncluding			
			5.00	@	5.52	19.9	36.00	41.00	1g/t Au cut-off and no internal dilution
		UGA-06	8.00	@	8.55	22.5	56.00	64.00	2g/t Au cut-off and 1m internal dilution
			5.00	@	4.81	36.4	75.00	80.00	2g/t Au cut-off and 3m internal dilution
						and			
			4.00	@	22.81	37.4	98.00	102.00	2g/t Au cut-off and no internal dilution
			32.00	@	4.62	17.5	70.00	102.00	0.26g/t Au cut-off and max. 3m continuous internal dilution
		UGA-05			iı	ncluding			
			9.00	@	14.53	48.2	90.00	99.00	2g/t Au cut-off and 3m internal dilution
			90.00	@	3.88	13.9	0.00	90.00	0.26g/t Au cut-off and max. 6m continuous internal dilution
		UGA-04			iı	ncluding			
		00A-04	9.00	@	11.66	62.3	14.00	23.00	2g/t Au cut-off and 1m internal dilution
						and			

Criteria	JORC Code Explanation	Details							
			6.00	@	33.76	36.2	43.00	49.00	1g/t Au cut-off and no internal dilution
									<u> </u>
			73.00	@	2.14	8.8	211.00	284.00	0.26g/t Au cut-off and max. 3m continuous internal dilution, including a 1.39m historic mining void
					iı	ncluding			
			31.61	@	3.76	11.0	248.00	279.61	0.5g/t Au cut-off and max. 2m continuous internal dilution
					iı	ncluding	-		
		UGA-03	24.00	@	4.74	13.4	252.00	276.00	1g/t Au cut-off and max. 3m continuous internal dilution
				-	iı	ncluding		•	
			15.00	@	6.70	15.3	252.00	267.00	2g/t Au cut-off and max. 3m continuous internal dilution
				•	iı				
			7.00	@	11.65	24.7	260.00	267.00	5g/t Au cut-off and max. 1m continuous internal dilution
			7.90	@	0.58	9.2	0.10	7.80	0.26g/t Au cut-off and max. 3m continuous internal dilution
			9.00	@	0.94	6.5	17.00	26.00	0.26g/t Au cut-off nd max. 2m continuous internal dilution
						ncluding	-		
			4.00	@	1.52	10.2	17.00	21.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
		UGA-02							
			5.00	@	0.91	13.7	46.00	51.00	0.5g/t Au cut-off and max. 2m continuous internal dilution
				1			I		
			8.00	@	0.92	5.0	92.00	97.00	0.5g/t Au cut-off and max. 2m internal dilution
				1			1	1	
			26.00	@	1.20	5.8	111.00	137.00	0.5g/t Au cut-off and max. 2m internal dilution
					iı	ncluding			

Criteria	JORC Code Explanation	Details							
			7.00	@	1.60	4.3	111.00	118.00	1g/t Au cut-off and max. 2m continuous internal dilution
						and			
			6.00	@	1.50	10.8	124.00	130.00	1g/t Au cut-off and max. 1m continuous internal dilution
			3.00	@	0.82	4.1	152.00	155.00	0.3g/t Au cut-off and no internal dilution
			15.00	@	1.16	3.5	168.00	183.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
					iı	ncluding			
			5.00	@	1.92	4.6	171.00	176.00	1g/t Au cut-off nd max. 2m continuous internal dilution
			2.00	@	2.43	76.7	1.00	3.00	0.5g/t Au cut-off and no internal dilution
			27.00	@	0.64	13.9	1.00	28.00	0.26g/t Au cut-off and max. 4m continuous internal dilution
					iı				
			4.00	@	1.19	20.8	17.00	21.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
				r			-	-	
			10.00	@	0.54	3.4	48.00	58.00	0.26g/t Au cut-off and max. 2m continuous internal dilution
		UGA-01			-	-			
			10.00	@	0.76	6.4	135.00	145.00	0.26g/t Au cut-off and max. 2m continuous internal dilution
					iı	ncluding			
			3.00	@	1.15	9.1	135.00	138.00	0.5g/t Au cut-off and no internal dilution
						and			
			3.00	@	1.04	6.4	142.00	145.00	0.5g/t Au cut-off and no internal dilution
					iı				
			12.00	@	0.76	5.3	183.00	195.00	0.26g/t Au cut-off and max. 2m continuous internal dilution

Criteria	JORC Code Explanation	Details											
						i	ncluding						
			2.	.00	@	2.00	6.2	19	2.00	194.00	0.5g/t Au ci	ut-off and no interna	al dilution
			16	5.00	@	0.76	4.1	20	6.00	222.00	0.26g/t Au c	ut-off and max. 3m o	continuous
					e		ncluding					internal dilution	
			6	.00	@	1.32	6.3	21	6.00	222.00	0.5g/t Au cu	it-off and max. 1m c internal dilution	ontinuous
			10	0.00	@	1.47	9.7	23	4.00	244.00	0.5g/t Au cu	it-off and max. 2m c internal dilution	ontinuous
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate 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 for any reporting of metal equivalent values should be clearly stated. 	 Na The grain of the grain of th	o top cu ne lowe rade uti tervals ineralis o be hig ossibilit /eighted tervals hen sur nternal de of th xample From (m) 234 235 236	ut has er gold ilised fo have l sation a h grad y of be d mear within n all th dilution ne min of wei <u>To (m)</u> 235 236 237	or the St been sele at a rang led in ord sing subj ns for ea the sign nese valu n was all eralised ghted m Interval (m) 1 1	plied. arger interv curec Gold I ected utilisi ge of gold c der to supp ected to ur ch interval inficant inter ues and div owed as lo interval to ean calcula <u>Sample Nr</u> <u>M294307</u> <u>M294309</u>	Project JC ng increr ut-off gra ort feasib dergrour are calcu rsection ide by the ng as the the end of tion and Au ppm (Au- AA26) 4.23 0.34 0.5	DRC 2012 mentally i ades, whi bility stud nd mining lated by: by the as e overall e aggrega of the dilu treatmer Au g/t* interval 4.23 0.34 0.5	Mineral R increasing ch may be lies into th g. First mult say result width (m) te weighte ution zone t of intern Ag ppm (ME- ICP61) 44 4.4 5	esource. gold cut- utilised e smaller (Au g/t c of the sig does not al dilutio	While the hi off grades in in the future r, higher grad of the width or Ag g/t) of gnificant inte grade from t fall below th	he footwall or ne cut-off grad metres @ g/t Au g/t Ag	de, shorter alise the isation needs ning or the idual sample al sample. hangingwall le.
										-	9.08	0. 0	22.4
		UGA-01 UGA-01	236 237	237 238	1	M294309 M294310	0.5 0.65	0.5 0.65	5	5 3.9	9.68	g/t Ag from	234m

Criteria	JORC Code Explanation	Details											
							0.27					using a 0.3g/t Au cut-off with up to 2m of continuous	
		UGA-01	238	239	1	M294312	0.2	0.27	4.2	4.2		internal dilution	
		UGA-01	239	240	1	M294313	0.2	0.2	3.3	3.3			
		UGA-01	240	241	1	M294314	0.8	0.8	7	7			
		UGA-01	241	242	1	M294315	0.44	0.44	2.6	2.6			
		UGA-01	242	243	1	M294316	6.76	0.5	1.9	1.9			
		UGA-01	243	244	1	M294317	0.70	6.76	20.5	20.5			
		UGA-02	16	17	1	M294480	0.24	0.24	2.2	2.2			
		UGA-02	17	18	1	M294481	0.62	0.62	20.2	20.2	9	metres @	
		UGA-02	18	19	1	M294482	4.3	4.3	13.1	13.1	0.94	g/t Au	
		UGA-02	19	20	1	M294483	0.41	0.41	2.9	2.9	6.46	g/t Ag	
		UGA-02	20	21	1	M294484	0.73	0.73	4.4	4.4		from using a 0.3g/t Au cut-off with up to 2m of continuous	17m
		UGA-02	21	22	1	M294485	0.06	0.06	1.6	1.6		internal dilution	
		UGA-02	22	23	1	M294486	0.1	0.1	2	2	including		
		UGA-02	23	24	1	M294487	1.14	1.14	4.3	4.3	4	metres @	
		UGA-02	24	25	1	M294488	0.3	0.3	2.1	2.1	1.52	g/t Au	
		UGA-02	25	26	1	M294490	0.79	0.79	7.5	7.5	10.15	g/t Ag	
		UGA-02	26	27	1	M294491	0.09	0.09	2	2		from	17m
		UGA-02	27	28	1	M294492	0.06	0.06	1	1		using a 0.5g/t Au cut-off with 1m internal dilution	
		UGA-02	28	29	1	M294493	0.1	0.1	1.2	1.2			
		• 1	No meta	al equiv	alents ha	ave been q	uoted.						
Relationship between mineralisation widths and intercept length	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. 		true thi approxi	ckness mately	could be north-so	e a small j	proportion oser the h	n of the	intersectio	n thickne	ess. As the	ralisation and the mineralisation zo naller the true thi	one strikes

Criteria	JORC Code Explanation	Details
	 If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known'). 	 In the UGA-33 part of the Sturec ore body, resource modelling suggests the true thickness of mineralisation in this area is between 20-40m wide. The mineralisation seems to be funnel shaped with the thicker zone higher and the thinner zone lower.
Diagrams	 Appropriate maps and sections (with scales) and 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. 	All relevant diagrams are reported in the body of this announcement.
Balanced reporting	• Where comprehensive reporting of all Exploration 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.	All exploration results have been reported.
Other substantive exploration data	• Other exploration data, if meaningful and material, should be reported including (but not limited	 Several metallurgical test work programs have been completed at independent laboratories confirming that the Sturec ore is amenable to industry-standard cyanide leaching processing for gold and silver. However, the use of cyanide for ore processing was banned in Slovakia in 2014.
	to): geological observations; geophysical survey results; geochemical survey results; bulk	• In response to the cyanide ban, several metallurgical test work programs assessing alternative processing methodologies have been completed on the ore from Sturec. The three most promising are:
	samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	 Thiosulphate Leaching gold and silver extraction technology was investigated by the previous owners of the project (Arc Minerals Limited) between 2011-2014. The Thiosulphate Leaching test work results reported so far indicate that this alternate mineral processing methodology is generally applicable to the Sturec gold-silver ores. The most encouraging results came from the latest, Thiosulphate Leaching study completed in 2014 by CMC Chimie. In this study, Ammonium Thiosulphate leaching of the Sturec ore (10 batches of approximately 800kg each) produced a pregnant liquor that had a content of 3-8g/t Au and 10-25g/t Ag, which was then subjected to electrowinning and filtering/drying, producing a copper/gold/silver cement with an overall recovery of 90.5% for gold and 48.9% for silver. The resultant dry cement was approximately 1% gold-silver and about 50% copper. These results were used to justify the conclusion that Thiosulphate Leaching could be used as an alternative processing method to conventional cyanidation and that it was also more economically viable. These results are interpreted to indicate that a further, more detailed metallurgical test work investigation is warranted into this alternative processing method in order to underpin further economic analysis (scoping Study or PFS) of the Sturec Gold Project in light of Slovakia's ban on cyanidation mineral processing.
		 In 2016-2017, Arc Minerals also investigated the Cycladex Process as another alternative to cyanidation. In this process a bromide-based solubilizing agent (lixiviant) leaches the ore creating potassium gold bromide (tetrabromoaurate: KAuBr4). Then cyclodextrin, a commercially available corn-starch derivative, is added to the resultant pregnant liquor, which results in the spontaneous precipitation of crystals containing the gold. The gold is then released from the crystalline precipitate at high temperature using a furnace to yield solid gold metal. The Cycladex Process test work results reported indicate that this alternate mineral processing methodology is also generally applicable to the Sturec gold-silver ores and potentially cheaper than conventional cyanidation. These results are interpreted to indicate that further investigation is warranted into this alternative

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		processing method and that a PFS-level metallurgical test work-study needs to be completed to underpin a revaluation of the 2013 PFS completed by SRK in light of Slovakia's ban on cyanidation mineral processing.
		As an alternative to onsite leaching, producing a gravity/floatation concentrate on site that could then be then further processed elsewhere (Austria/Belgium) has also been investigated. Gravity concentrate and floatation test work completed on 11 composite samples of Sturec ore found that gold recovery ranged from 64.1 to 93.9% and silver recovery ranged from 45.1 to 83.9%. This processing methodology is currently being used at Slovakia's only operating gold mine, which is of a very similar mineralisation style to Sturec; and so, there is a reasonable possibility it could also be used at Sturec. The main deterrents to this option are the cost of transporting this concentrate (obviously depending on the distance of the further processing facility) and the lower recovery of gold and silver (especially in fine ores). Further work needs to be done to better constrain the metallurgical recovery of this processing methodology across the entire orebody, as well as understand the economic factors involved before an assessment of its suitability can be fully determined. Recently announced gravity/floatation concentrate metallurgical testwork (ASX:MTC announcement dated 1/10/2021) indicates that a sample from UGA-14 produced a gravity/floatation concentrate grading 31g/t gold and 80g/t silver, with a corresponding gold and silver recovery of 91.0% and 88.4% respectively
		• Groundwater and geotechnical investigations were completed in 2013. The groundwater monitoring results and geotechnical data were found to be adequate to interpret reasonable open pit slope angles for the various host rock types for the purposes of an open pit optimisation that was used as justification for a 'reasonable prospects of economic extraction' interpretation.
		• Concerning the groundwater, it has been interpreted that the most likely current situation is that the water table around the open pit area was drawn down due the dewatering through the 'Heritage Adits'; with the Main Heritage Adit being situated some 300m below and transporting the groundwater 15km away to where it eventually reaches the surface. It was interpreted that the dewatering had occurred to the level with or below the maximum depth of the proposed pit (~300m). However, the possibility that the dewatering was not as efficient as interpreted has also considered and it has been recommended that up to 6 permanent monitoring wells be installed on the western and eastern sides of the pit to the full depth of the proposed pit. The primary purpose of these wells is to determine if there is any spatial and temporal variation in groundwater levels around the pit.
		• Geotechnical investigations found that the stability of the open pit was significantly controlled by the degree of argillic alteration of the predominantly andesite rock mass found at Sturec (host rock of the quartz veining). The modelling suggested that the pit slope needed to be as low as 43° in the highly argillic altered/clay rock type but that a 50° pit slope was adequate in the other rock types.
		• The groundwater and geotechnical investigation results have been used to model a recommended open pit design that achieved an adequate Factor of Safety (FoS) of greater than 2.0.
Further work	 The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, 	 There is good potential for the delineation of further gold mineralisation within the Sturec Gold Project area through future exploration. Prospects such as Wolf, Vratislav, Katerina, Vollie Henne and South Ridge are interpreted to be extension areas to the Mineral Resource area at Sturec. Significant gold-silver bearing quartz vein mineralisation has been identified and variably explored/mined at each of these prospects.
	including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• The most exciting and potentially valuable exploration potential though appears to be along strike/plunge to the south. When the Mineral Resource model is investigated, it is apparent that the ore body has a high-grade core that appears to be striking/plunging towards the south. The current exploration drilling has been designed to confirm whether or not this high-grade mineralisation continues to the south.