

# **VISIBLE GOLD IDENTIFIED IN UGA-43**

## Highlights

- Visible gold has been identified at 51.4m (downhole) in UGA-43 during logging
- UGA-43 was completed to a depth of 168.3m and is an infill drill hole below recently drilled UGA-30, which intersected a thick mineralized zone of 173.2m @
   3.27 g/t Au and 11.8 g/t Ag from 0m (0.25g/t Au cut-off, downhole thickness, refer to MTC announcement dated 3 May 2022) including:
  - **103m** @ **5.06 g/t Au and 13.4 g/t Ag** from 57m (1g/t Au cut-off, downhole thickness); including:
    - 8m @7.16g/t Au and 11.3 g/t Ag from 84m (3g/t Au cut-off, downhole thickness); and
    - **19m** @ **11.35 g/t Au and 23.9 g/t Ag** from 119m (3g/t Au cut-off, downhole thickness); including:
      - 1m @ 67.90 g/t Au and 94.5 g/t Ag from 127m (no Au cut-off, downhole thickness);
    - 7m @ 23.30 g/t Au and 24.0 g/t Ag from 153m (3g/t Au cut-off, downhole thickness); including:
      - 1m @ 139 g/t Au and 24.0 g/t Ag from 154m (no Au cut-off, downhole thickness);

<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. As this is an infill drill hole, resource modelling suggests the true thickness of mineralisation in this area is between 50-60m wide.

**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 51.4m was identified within 7-10cm quartzpyrite/marcasite filled vein, hosted within a 157m wide zone of variably argillic altered and brecciated andesite in the drill core from hole UGA-43.

The visible gold at 51.4m is present as up to ~0.5mm sized blebs within a 7-10cm wide vein containing drusy, fine grained, white to grey chalcedonic quartz-pyrite.

Note: With respect to any visible gold observed in UGA-43, 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.

The drill hole collar details for UGA-43 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	028	-70	168.3

Table 1: Drill Collar details

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



# UGA-43

UGA-43 was stopped due to drilling issues associated with a historic mining void encountered at 157m to the end of hole depth of 168.3m. UGA-43 was positioned as an infill drill hole below recently drilled UGA-30.

See Figure 1 and 2 for the relative position of UGA-43 compared to UGA-30 and the existing Sturec Mineral Resource respectively (refer to MTC announcement dated 21 June 2021).

UGA-43 intersected approximately 157m (\*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 0m to 157m down hole.

Note: The 157m 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-43 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. Also, this drill hole was drilled down the dip of the mineralised zone in order to try to target areas below the current Mineral Resource Estimate. Therefore, the 157m intersection is not a true thickness. As shown in Figure 2, the true thickness of the mineralisation is approximately 90m at the top of the drill hole and 30m at the bottom of the drill hole.

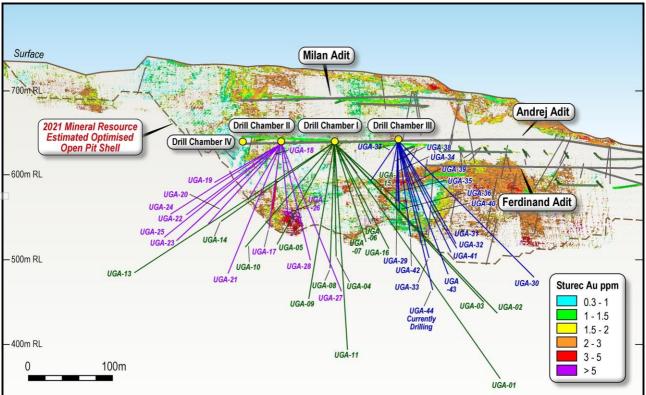


Figure 1: Long-section showing the traces of drill holes from the various drill chambers; shown relative to mineralisation within the existing Sturec Mineral Resource displayed as a 3D point cloud (grade scale shown with psuedocolor spectrum). This view is looking west



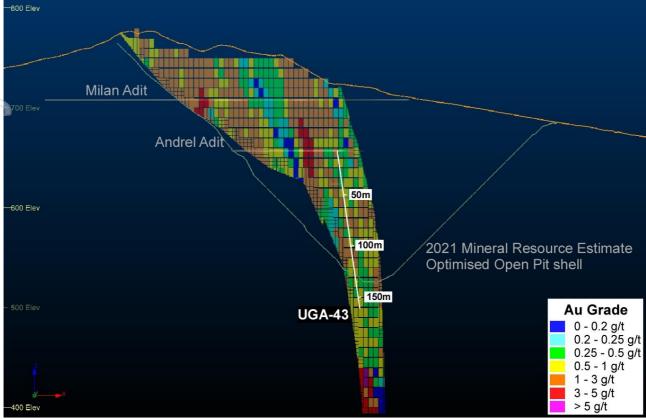


Figure 2: Cross-section through the existing Sturec Mineral Resource displayed as a Mineral Resource blocks, which are 10m high and 5m wide (Au grade scale shown with psuedocolor spectrum). This view is looking north.

The Company looks forward to providing an update on UGA-43 in the next few weeks as the core is currently being sampled and will be dispatched to the lab as soon as possible.

# ENDS

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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 AuEq<sup>1</sup>), 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 AuEq<sup>1</sup>), 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).

Mineral Resource Estimate – Sturec Gold Project

	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) <sup>1</sup>	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	2 g/t Au cut-o	off: outside o	ptimised ope	n pit shell				
Resource Category	Tonnes (kt)   Au (g/t)   Ag (g/t)   Au (koz)   Ag (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			

<sup>&</sup>lt;sup>1</sup> 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.

# 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	<ul> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <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 (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.</li> </ul>	<ul> <li>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).</li> <li>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.</li> <li>90% of sample to be crushed to &lt;2mm. Sample is then dried and riffle split to produce a 1kg split. 1kg split then pulverised to 85% passing &lt;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.</li> <li>If coarse-grained gold (Visible Gold or VG) 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 &lt;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.</li> </ul>
Drilling techniques	<ul> <li>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).</li> </ul>	<ul> <li>The current program is utilising diamond drilling from multiple underground locations withir the Andrej Adit.</li> <li>None of the diamond core is being oriented.</li> <li>UGA-43 was drilled with NQ (47.6mm core diameter) to 168.3m (EOH).</li> </ul>
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul> <li>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.</li> <li>The core recovery for all drill holes so far is excellent, greater than 90%.</li> <li>Historic drill records indicate that core recovery at the Sturec Project was consistently good, where historic mining voids have not been encountered.</li> <li>No relationship between sample recovery and grade has been interpreted in assay results received so far as recovery is excellent.</li> </ul>

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.	<ul> <li>The core was geologically and geotechnically logged to a level to support appropriate Minera Resource estimation, mining studies and metallurgical studies. Core is logged both qualitatively and quantitatively.</li> </ul>
	<ul> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> </ul>	<ul> <li>All logging data is digitally captured via excel spreadsheets, which are then validated wher they are imported into a resource modelling software package.</li> </ul>
	• 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.	<ul> <li>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.</li> </ul>
sample	• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	<ul> <li>Same side of drill core sampled to ensure no selective sampling bias.</li> </ul>
preparation	• For all sample types, the nature, quality and appropriateness of the sample preparation technique.	<ul> <li>The other half of the core is retained for geological reference and potential further sampling such as metallurgical test work.</li> </ul>
	• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	<ul> <li>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.</li> </ul>
	<ul> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>90% of sample crushed to &lt;2mm. Sample then dried and riffle split. 1kg split then pulverised to 85% passing &lt;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, As, Cu, Co, Pb, Zn, etc.</li> </ul>
	material being sumplea.	• 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.
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>Sample prep techniques utilised are industry standard for Carpathian epithermal-style gold mineralisation and are considered appropriate.</li> </ul>
		• 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.	<ul> <li>Analysis completed by using 50g charge for fire assay for gold analysis and a 0.25g sampl for four acid digestion (near-total) with an ICPAES (inductively coupled plasma atomi emission spectroscopy) finish for 33 elements including Ag, Cu, Co, Pb, Zn, etc.</li> </ul>
	<ul> <li>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.</li> <li>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.</li> </ul>	<ul> <li>If coarse-grained gold (visible gold) is encountered then Au will also be analysed by scree fire assay. The remaining sample from the 90% of the original routine sample that wa crushed to &lt;2mm and dried is then riffle split again to produce another 1kg split. This 1k split is then dry screened to a nominal 106 micron. Duplicate 50g fire assays with AAS finis are then performed on the undersize, and fire assay with gravimetric finish is done on th entire oversize fraction. Then the total gold content is calculated and reported, using th individual assays and weight of the fractions.</li> </ul>

Criteria	JORC Code Explanation	Details
		<ul> <li>Analysis techniques utilised are commonly used for Carpathian epithermal-style go mineralisation and are considered appropriate.</li> </ul>
		<ul> <li>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).</li> </ul>
		<ul> <li>Internal laboratory checks, as well as internal and external check assays such as repeats ar 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 w be carried out by the analysis of the assay results of the CRMs.</li> </ul>
		<ul> <li>QAQC results are reviewed on a batch-by-batch basis. Any deviations from acceptab precision or indications of bias are acted upon prior to announcing any results with repe and check assays.</li> </ul>
Verification of sampling	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> </ul>	• 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 logginary and remaining drill core (or core photography if site access is not possible).
	<ul> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> </ul>	No twins have been completed yet.
	• Discuss any adjustment to assay data.	<ul> <li>All primary data (logging, sample intervals and assay results) is digitally captured via exe spreadsheets, which are then validated when they are imported into a resource modelli software package.</li> </ul>
		• Data is stored in secure company owned Dropbox that has a 180 day file recovery and versi history function.
		There has been no adjustment to assay data.
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 other locations</li> </ul>	
	used in Mineral Resource estimation. • 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, 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	<ul> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>UGA-43 was positioned as an infill drill hole below UGA-30 both of which were drilled fro Drill Chamber III. UGA-30 intersected a thick minoralized zone of minoralized zone of 173.2</li> </ul>
	• whether sumple compositing has been applied.	<ul> <li>103m @ 5.06g/t Au and 13.4g/t Ag from 57m (1g/t Au cut-off, downhole thickness including:</li> </ul>
		• 8m @7.16g/t Au and 11.3g/t Ag from 84m (3g/t Au cut-off, downhole thickness); a
		<ul> <li>19m @ 11.35g/t Au and 23.9g/t Ag from 119m (3g/t Au cut-off, downhole thickness including:</li> </ul>
		<ul> <li>1m @ 67.90g/t Au and 94.5g/t Ag from 127m (no Au cut-off, downhole thickness);</li> </ul>

Criteria	JORC Code Explanation	Details
		<ul> <li>7m @ 23.30g/t Au and 24.0g/t Ag from 153m (3g/t Au cut-off, downhole thickness); including:</li> <li>1m @ 139g/t Au and 24.0g/t Ag from 154m (no Au cut-off, downhole thickness);</li> <li>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 establish the degree of geological and grade continuity appropriate for Mineral Resource and Ore Reserve estimation.</li> <li>No samples have been composited.</li> </ul>
Orientation of data in relation to geological structure	<ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul> <li>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.</li> <li>This drill hole was drilled down the dip of the mineralised zone in order to try to target areas below the current Mineral Resource Estimate. Therefore, the 157m intersection 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) is not a true thickness. The true thickness of the mineralisation is approximately 90m at the top of the drill hole and 30m at the bottom of the drill hole (see Figure 4 in the body of the announcement).</li> </ul>
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	• Type, reference name/number,	Sturec Gold Project consist	s of the Kremnica Mining Territory (9.47 km²) owned by Slovakian limited liability
tenement and	location and ownership including		a wholly-owned subsidiary of Ortac UK (a private limited company registered in England
land tenure	agreements or material issues with	and Wales).	
status	third parties such as joint ventures, partnerships, overriding royalties,	Kremnica Mining Territor	y' and Mining Licence details:
	native title interests, historical sites,	'Kremnica Mining Territory'	
	wilderness or national park and environmental settings.	Name:	Mining Territory Kremnica Au-Ag
	5	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
	time of reporting along with any	Metals	Gold and Silver

Criteria	JORC Code Explanation	Details					
	known impediments to obtaining a	Duration:	Indefinite				
	licence to operate in the area.	Holder of the:	Ortac, s.r.o				
		Amendments:	• No. 1037-1639/2009				
		ORTAC,s.r.o. Mining Licence of	letails				
		Name:	Ortac,s.r.o.				
		Mining License No:	1830-3359/2008				
		Date of Issuance:	13 November 2008				
		Subject:					
		Subject.	<ul> <li>Opening, preparation and exploitation of reserved mineral resource</li> </ul>				
			<ul> <li>Installation, conservation and decommissioning of mining work</li> </ul>				
			<ul> <li>Processing and refinement of mineral resources</li> </ul>				
			<ul> <li>Installation and operation of unloading areas and dumps</li> </ul>				
			Opening the mining works to the public for museum purposes and related safety				
			maintenance works				
		Duration:	Indefinite				
		Responsible Person:	Ing. Peter Čorej				
		Amendments:	<ul> <li>No. 773-1398/2015 dated 11 May 2015 extending the subject of the Mining License</li> </ul>				
			<ul> <li>No. 979-1401/2019 dated 11 June 2019 updating the information on statutory body</li> </ul>				
		<ul> <li>17km west of central</li> <li>Metals Tech owns 100</li> <li>As a part of the acqui of resource that is de that exceeds 1.5millio Terms Sheet but befo ounces.</li> <li>In 2013, Arc Minerals application, which wa June 2014 and a 40t</li> </ul>	Licence is located in central Slovakia between the town of Kremnica and the village of Luči Slovakia's largest city, Banska Bystrica, and 150km northeast of the capital, Bratislava. 0% of the Sturec Gold Project by completing the acquisition of Ortac UK on 14 February 202 sition, MetalsTech Limited has granted Arc Minerals Limited a royalty equal to A\$2 per our elineated at the project above an open cut JORC (2012) Indicated and Measured Resource on ounces at a grade greater than 2.5g/t AuEq after 2 years from the date of execution of t re the date that is 5 years after the date of execution of the Terms Sheet capped at 7 milli (named Ortac Resources Limited at this time) submitted a small-scale underground mining s awarded by the Central Mining Bureau in 2014. Trial underground mining commenced bulk sample was extracted from Sturec for metallurgical test work.				
		mining permit issued	Court in Banská Bystrica ruled against the Central Mining Bureau concerning the undergrou to Arc Minerals Limited in 2014 and revoked the decision to issue the mining permit.				
			tral Mining Bureau issued Ortac SK with an amended underground mining permit that allow g activities to recommence.				
		fulfilling the condition Mining Licence Area	5K (Arc Minerals Limited) re-commenced the trial underground mining activities at Stur- required by Slovak regulations to preserve its right to exploit the ore deposit in the Kremn for a minimum period of at least three years. 500t of ore was extracted and used k relating to alternative processing technologies to the conventional cyanide leaching.				

Criteria	JORC Code Explanation	Details
		<ul> <li>Since 2017 (before selling the project to MetalsTech), Arc Minerals Limited has continued working with the local community and stakeholders to facilitate the development of the project.</li> </ul>
		<ul> <li>In October 2019, the Central Mining Bureau issued Ortac SK with an underground mining permit that allowed for small-scale mining activities to recommence: Decision No. 827-2373 / 2019. This decision was appealed soon after being received.</li> </ul>
		<ul> <li>In February 2020, the appeals against Decision No. 827-2373 / 2019 were rejected by the State Mining Administration and the underground mining authorisation was upheld.</li> </ul>
20		<ul> <li>In April 2020, MetalsTech Limited re-commenced the underground mining activities at Sturec, in order to fulfill the condition required by Slovak regulations to preserve its right to exploit the ore deposit in the Kremnica Mining Licence Area for a minimum period of at least three years.</li> </ul>
		<ul> <li>Although Ortac SK is officially registered as the holder of the Kremnica Mining Territory, the validity of the allocation of the Kremnica Mining Territory has been repeatedly disputed. Arguments challenging the validity of the allocation 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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>

	Criteria	JORC Code Explanation	Details
			0
	Exploration done	Acknowledgment and appraisal of	
	by other parties	exploration by other parties.	• Man deta o
$\bigcirc$			0
			0
			0
			0

e Explanation	Details
	<ul> <li>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.</li> </ul>
dgment and appraisal of n 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:
	• 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.
	<ul> <li>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.</li> </ul>
	<ul> <li>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.</li> </ul>
	<ul> <li>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.</li> </ul>
	<ul> <li>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</li> </ul>

Criteria	JORC Code Explanation	Details								
			,		•					tely to the north of the s orth of the Vratislav Pro
Geology	Deposit type, geological setting and style of mineralisation.	Carpal Bansk, metals Studna the pro of gab minera area, which minor either • The Si	thians. The ( á Štiavnica, k a Formation. e-Tertiary bas brodiorite, di alising events the structure is interprete quartz-diorit side. curec Gold P	Central Kremni The ar The a semeni orite, c s, which is cor d to be e porp roject	I Slovakia ca, Hodruš rea is chara ndesites an t interprete diorite porp h were then ntrolled by the result ohyry at de mineralisat	Volcanic Fi a-Hámre, a acterised by re underlair ed to be ext ohyry, and r n overprinte a 6-7km le t of the sub epth causing tion is class	ield hosts seve and Nová Bana, y Tertiary pyrox n by Mesozoic rensional Horst minor quartz-di ed by the epithe ong, N-S trend p-volcanic intru- g this zone to sified as a low	eral Ag–Au which were kene-amphil limestone. I and Graben orite porphy ermal precio ling horst, k sions of gab be uplifted -sulphidation	epithermal e important pole andesi Deep-seated in style, foo rry at depth us metal m chown as th brodiorite, relative to n epitherm	ica Mountains of the Wivein-type deposits inc sources of precious and te flows and tuffs of the d structures and faults cussed sub-volcanic intr and associated mesoth ineralisation. In the Kre he Kremnica Horst Stru diorite, diorite porphyri the two graben structur
		tempe contail mediu alterat and ar	ratures mosining adularia m temperation from the gillisation. Ve	tly bet , seric ure hy veins ein styl	ween ~27 cite, illite a drotherma outwards les include	'0 to 190 ' and chalced al alteration consists of large bande	°C. The mine lony that cut t n) andesites c silicification an	ralisation is hrough Neo of the Kren od potassic-r	hosted by gene propy nnica strat metasomati	oric and magmatic wat v quartz-dolomite vein yllitised (low pressure/l ovolcano. The hydroth ism (adularia), propyliti uartz veins and sheeted
Drill hole Information	• A summary of all information material to the understanding of the									
mormation	exploration results including a	• Dril	l collar detail	s:						FOU
	tabulation of the following information for all Material drill holes:	Drill hole name	Easting (m)	N	orthing (m)	RL (m)	Datum			Dip EOH (°) Depth (°) (m)
	<ul> <li>easting and northing of the drill hole collar</li> </ul>	UGA-43	-435,851	-1,	,230,123	656	S-JTSK/ Kro	ovak (	028	-70 168.3
	<ul> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar     </li> </ul>	• Sun	nmary table	of sign	ificant drill	hole inters	ections so far:			
	<ul> <li>dip and azimuth of the hole</li> <li>down hole length and</li> </ul>		Width (m)				From (m)	To (m)		
	interception depth • hole length.	interception depth Hole			Au g/t	Ag g/t	(Down hole depth)	(Down hole depth)		Cut-off
	<ul> <li>If the exclusion of this information is justified on the basis that the information is not Material and this</li> </ul>	UGA-30	173.20	@	3.27	11.8	0.00	173.20	0.25g/t Au cu	ut-off and max. 4m continuous internal dilution
	information is not iviaterial and this		including							

Criteria	JORC Code Explanation	Details									
	Competent Person should clearly explain why this is the case.		103.00	@	5.06	13.4	57.00	160.00	0.5g/t Au cut-off and max. 4m continuous internal dilution		
					i	ncluding					
			8.00	@	7.16	11.3	84.00	92.00	3g/t Au cut-off and 2m internal dilution		
						and					
			19.00	@	11.35	23.9	119.00	138.00	3g/t Au cut-off and max. 4m continuous internal dilution		
					i	ncluding					
			2.00	@	42.50	53.3	119.00	121.00	no cut-off or dilution		
						and	-				
			1.00	@	67.90	94.5	127.00	128.00	no cut-off or dilution		
			7.00	@	23.30	24.0	153.00	160.00	3g/t Au cut-off and 4m continuous internal dilution		
				-	i	ncluding					
			1.00	@	139.00	87.3	154.00	155.00	no cut-off or dilution		
			-	-		-	-				
			59.00	@	1.04	9.1	0.00	59.00	0.25g/t Au cut-off and max. 7m continuous internal dilution		
				-	i	ncluding	-				
			27.00	@	1.20	12.2	0.00	27.00	0.5g/t Au cut-off and max. 3m continuous internal dilution		
		UGA-29		-	i	ncluding	-				
			15.00	@	1.66	15.8	12.00	27.00	1g/t Au cut-off and max. 3m continuous internal dilution		
					i	ncluding					
			5.00	@	3.34	15.9	46.00	51.00	1g/t Au cut-off and 3m internal dilution		
		UGA-28	97.00	@	0.51	2.5	40.00	137.00	0.25g/t Au cut-off and max. 7m continuous internal dilution		
		-			i	ncluding					

Criteria	JORC Code Explanation	Details							
			10.00	@	1.55	3.8	87.00	97.00	0.5g/t Au cut-off and no internal dilution
					ir	ncluding		•	
			3.00	@	2.97	2.2	94.00	97.00	1g/t Au cut-off and 1m internal dilution
			6.00	@	1.06	4.4	102.00	108.00	0.5g/t Au cut-off and no internal dilution
			6.00	@	0.94	3.4	131.00	137.00	0.5g/t Au cut-off and 3m internal dilution
			r	T			1	r	· · · · · · · · · · · · · · · · · · ·
			5.00	@	0.84	2.9	41.00	46.00	0.25g/t Au cut-off and no internal dilution
				•					
			2.00	@	1.51	5.7	78.00	80.00	0.5g/t Au cut-off and no internal dilution
			47.00	@	0.61	1.5	104.00	151.00	0.25g/t Au cut-off and max. 5m continuous internal dilution
				•	ir	ncluding			
		UGA-27	5.00	@	1.26	2.4	104.00	109.00	0.5g/t Au cut-off and 3m internal dilution
				T			1	ſ	
			12.00	@	1.22	2.0	139.00	151.00	0.3g/t Au cut-off and 2m internal dilution
					ir	ncluding			
			6.00	@	2.09	3.0	143.00	149.00	0.5g/t Au cut-off and 2m internal dilution
				T	ir	ncluding	1	r	
			2.00	@	5.14	4.6	143.00	145.00	1g/t Au cut-off and no internal dilution
			T				1	1	
			2.00	@	2.27	13.0	22.00	24.00	0.25g/t Au cut-off and no internal dilution
		UGA-26			ir	ncluding			
			5.00	@	0.55	1.7	34.00	39.00	0.25g/t Au cut-off and 1m internal dilution

Criteria	JORC Code Explanation	Details							
					iı	ncluding			
			32.00	@	0.91	16.3	56.00	88.00	0.25g/t Au cut-off and max. 5m continuous internal dilution
					iı	ncluding			
			10.00	@	1.50	22.5	69.00	79.00	0.75g/t Au cut-off and 3m internal dilution
							T	1	
			6.00	@	0.68	6.8	42.00	48.00	0.25g/t Au cut-off and 3m internal dilution
			53.00	@	0.86	10.0	95.00	148.00	0.25g/t Au cut-off and max. 3m continuous internal dilution
					iı	ncluding			
		UGA-25	23.00	@	1.46	15.1	104.00	127.00	0.5g/t Au cut-off and 2m continuous internal dilution
					iı	ncluding	-		
			7.00	@	2.75	23.3	120.00	127.00	1g/t Au cut-off and no internal dilution
						-			
			4.00	@	3.86	31.1	121.00	125.00	2g/t Au cut-off and no internal dilution
			15.00	@	1.30	6.8	27.00	42.00	0.25g/t Au cut-off and max. 1m continuous internal dilution
					iı	ncluding			
			11.00	@	1.67	8.5	30.00	41.00	0.5g/t Au cut-off and max. 2m continuous internal dilution
					iı	ncluding		-	
		UGA-24	2.00	@	5.53	17.5	35.00	37.00	1g/t Au cut-off and no internal dilution
			52.00	@	0.65	7.0	97.00	149.00	0.25g/t Au cut-off and max. 3m continuous internal dilution
						and	-		
			17.00	@	1.19	11.7	107.00	124.00	0.5g/t Au cut-off and max. 3m continuous internal dilution
						and			

Criteria	JORC Code Explanation	Details							
			3.00	@	3.13	16.9	109.00	112.00	1g/t Au cut-off and no internal dilution
			-	-				-	
			5.00	@	0.56	2.7	47.00	52.00	0.25g/t Au cut-off and no internal dilution
					iı	ncluding			
			3.00	@	0.72	2.7	49.00	52.00	0.5g/t Au cut-off and no internal dilution
			53.00	@	0.77	5.9	65.00	118.00	0.25g/t Au cut-off and max. 5m continuous internal dilution
					iı	ncluding			
		UGA-23	2.00	@	2.71	28.0	79.00	81.00	1g/t Au cut-off and no internal dilution
						and			
			3.00	@	1.19	2.9	88.00	91.00	0.5g/t Au cut-off and no internal dilution
						and			
			5.00	@	1.75	6.4	95.00	100.00	1g/t Au cut-off and 1m internal dilution
			5.00	@	0.94	7.9	131.00	136.00	0.5g/t Au cut-off and no internal dilution
			105.30	@	0.55	3.2	38.00	143.30	0.25g/t Au cut-off and max. 7m continuous internal dilution
					iı	ncluding			
			22.00	@	0.80	5.7	99.00	121.00	0.5g/t Au cut-off and 2m internal dilution
		UGA-22		-		and		-	
			13.00	@	1.28	2.4	130.00	143.30	0.3g/t Au cut-off and max. 4m continuous internal dilution
						and			
			3.00	@	4.42	5.2	130.00	133.00	0.5g/t Au cut-off and no internal dilution
		UGA-21	98.00	@	0.55	3.4	60.00	158.00	0.25g/t Au cut-off and max. 10m continuous internal dilution

riteria	JORC Code Explanation	Details							1
			ļ		i	ncluding	1	T	
			2.00	@	3.37	6.1	60.00	62.00	1g/t Au cut-off and no internal dilution
						and	-	-	
			2.00	@	2.38	2.3	93.00	95.00	0.5g/t Au cut-off and no internal dilution
						and	-		
			6.00	@	1.10	5.6	110.00	116.00	0.5g/t Au cut-off and 2m internal dilution
						and			
			4.00	@	1.34	6.0	137.00	141.00	0.5g/t Au cut-off and 2m internal dilution
						and			
			9.00	@	1.03	4.1	149.00	158.00	0.5g/t Au cut-off and no internal dilution
						•			•
			61.00	@	0.97	12.3	55.00	116.00	0.25g/t Au cut-off and max. 5m continuous internal dilution
					i	ncluding	_		
			19.00	@	2.07	29.1	77.00	96.00	1g/t Au cut-off and 4m internal dilution
					i	ncluding			
		UGA-20	15.00	@	2.24	34.3	77.00	92.00	1.5g/t Au cut-off and max. 4m continuous internal dilution
					i	ncluding			
			2.00	@	4.68	150.8	77.00	79.00	2g/t Au cut-off and no internal dilution
						and			
			2.00	@	3.91	20.7	83.00	85.00	2g/t Au cut-off and no internal dilution
			68.00	@	0.43	4.3	19.00	87.00	0.26g/t Au cut-off and max. 6m continuous internal dilution
		1100 10			i	ncluding			
		UGA-19	6.00	@	1.07	1.7	19.00	25.00	0.3g/t Au cut-off and 3m continuous internal dilution
			I			and		<u>.</u>	

Criteria	JORC Code Explanation	Details							
			3.00	@	1.23	15.4	33.00	36.00	0.3g/t Au cut-off and no internal dilution
						and			
			2.00	@	0.93	8.0	49.00	51.00	0.3g/t Au cut-off and no internal dilution
						and			
			1.00	@	4.08	46.4	77.00	78.00	1g/t Au cut-off and no internal dilution
			38.00	@	17.72	17.6	44.00	82.00	0.26g/t Au cut-off, no top cut and max. 7m continuous internal dilution
					ir	ncluding			
			18.00	@	36.96	30.6	64.00	82.00	0.5g/t Au cut-off, no top cut and max. 5m continuous internal dilution
		UGA-18			ir	ncluding	-	-	
			6.00	@	109.82	81.7	76.00	82.00	1g/t Au cut-off, no top cut and max. 3m continuous internal dilution
					ir	ncluding			
			1.00	@	646.00	459.0	81.00	82.00	
			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			
		UGA-16	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
					ir	ncluding			
			1.00	@	584.00	333.0	41.00	42.00	

Criteria	JORC Code Explanation	Details							
			2.00	@	13.94	and 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
				T	i	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
				T		and	T	T	
			7.00	@	7.97	25.3	64.00	71.00	1g/t Au cut-off and 1m internal dilution
				T		and	T	1	
			9.00	@	3.77	16.4	93.00	102.00	0.5g/t Au cut-off and 2m internal dilution
			108.00	@	2.22	7.6	26.00	134.00	0.2g/t Au cut-off and max. 7m continuous internal dilution
				T			T	1	
			63.00	@	3.53	9.6	71.00	134.00	0.26g/t Au cut-off and 9m internal dilution
		UGA-14							
			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
				•			•	•	1
			2.00	@	1.74	3.5	78.00	80.00	0.26g/t Au cut-off and no internal dilution
		UGA-13		•			•	•	
			4.00	@	0.61	3.3	99.00	103.00	0.26g/t Au cut-off and no internal dilution

Criteria	JORC Code Explanation	Details	1				1	1	
			3.00	@	0.82	8.5	132.00	135.00	0.26g/t Au cut-off and no internal dilution
				•		•	•		
			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
			r	Т		-	r	1	-
			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
								•	
			137.00	@	0.60	1.2	0.00	137.00	0.2g/t Au cut-off and max. 3m continuous internal dilution
					i	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
				1		and			
			5.00	@	1.06	4.5	126.00	131.00	0.5g/t Au cut-off and no internal dilution
				1		and	T	T	
			2.00	@	1.22	2.7	135.00	137.00	0.5g/t Au cut-off and no internal dilution

Criteria	JORC Code Explanation	Details							
			81.00	@	1.90	10.3	17.00	98.00	0.26g/t Au cut-off and max. 5m continuous internal dilution
					iı	ncluding			
		UGA-12	35.00	@	3.73	11.6	63.00	97.00	0.5g/t Au cut-off and max. 6m continuous internal dilution
					iı	ncluding			
			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
					iı	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
		UGA-10			iı	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
					iı	ncluding	•		
			2.00	@	5.87	2.3	134.00	136.00	1g/t Au cut-off and no internal dilution
								•	
		UGA-09	5.00	@	0.64	5.6	16.00	21.00	0.26g/t Au cut-off and 3m internal dilution
		0GA-09		<u> </u>					

Criteria	JORC Code Explanation	Details							
			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
						-	-		
			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	1	•	
			7.00	@	2.24	6.0	100.00	107.00	0.5g/t Au cut-off and 2m internal dilution
					i	ncluding	1	T	
			4.00	@	3.31	9.0	103.00	107.00	1g/t Au cut-off and 1m internal dilution
			1					1	1
			112.00	@	0.87	7.7	16.00	128.00	0.26g/t Au cut-off and max. 5m continuous internal dilution
					i	ncluding		-	
			24.00	@	2.28	11.5	17.00	41.00	0.5g/t Au cut-off and max. 7m continuous internal dilution
					i	ncluding		-	
		UGA-07	4.00	@	10.86	36.2	34.00	38.00	1g/t Au cut-off and 2m internal dilution
				<u> </u>				1	
			5.00	@	1.11	5.2	92.00	97.00	0.5g/t Au cut-off and 1m internal dilution
								1	
			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
		UGA-06			i	ncluding			
			5.00	@	5.52	19.9	36.00	41.00	1g/t Au cut-off and no internal dilution

Criteria	JORC Code Explanation	Details							
						and		-	
			8.00	@	8.55	22.5	56.00	64.00	2g/t Au cut-off and 1m internal dilution
						and	-	-	
			5.00	@	4.81	36.4	75.00	80.00	2g/t Au cut-off and 3m internal dilution
				1		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		-	i	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
					i	ncluding			
		UGA-04	9.00	@	11.66	62.3	14.00	23.00	2g/t Au cut-off and 1m internal dilution
						and			
			6.00	@	33.76	36.2	43.00	49.00	1g/t Au cut-off and no internal dilution
								-	
			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
					i	ncluding	•		
			31.61	@	3.76	11.0	248.00	279.61	0.5g/t Au cut-off and max. 2m continuous internal dilution
		UGA-03			i	ncluding			
			24.00	@	4.74	13.4	252.00	276.00	1g/t Au cut-off and max. 3m continuous internal dilution
					i	ncluding			
			15.00	@	6.70	15.3	252.00	267.00	2g/t Au cut-off and max. 3m continuous internal dilution
					i	ncluding			

Criteria	JORC Code Explanation	Details							
			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
						and			
			9.00	@	0.94	6.5	17.00	26.00	0.26g/t Au cut-off nd max. 2m continuous internal dilution
					i	ncluding			
			4.00	@	1.52	10.2	17.00	21.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
			5.00	@	0.91	13.7	46.00	51.00	0.5g/t Au cut-off and max. 2m continuous internal dilution
			8.00	@	0.92	5.0	92.00	97.00	0.5g/t Au cut-off and max. 2m internal dilution
		UGA-02	26.00	@	1.20	5.8	111.00	137.00	0.5g/t Au cut-off and max. 2m internal dilution
					i	ncluding			
			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
					i	ncluding			
			5.00	@	1.92	4.6	171.00	176.00	1g/t Au cut-off nd max. 2m continuous internal dilution
		UGA-01	2.00	@	2.43	76.7	1.00	3.00	0.5g/t Au cut-off and no internal dilution

JORC Code Explanation	Details							
		27.00	@	0.64	13.9	1.00	28.00	0.26g/t Au cut-off and max. 4m continuous internal dilution
		including						
		4.00	@	1.19	20.8	17.00	21.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
					-	_	_	
		10.00	@	0.54	3.4	48.00	58.00	0.26g/t Au cut-off and max. 2m continuous internal dilution
		10.00	@	0.76	6.4	135.00	145.00	0.26g/t Au cut-off and max. 2m continuous internal dilution
				i				
		3.00	@	1.15	9.1	135.00	138.00	0.5g/t Au cut-off and no internal dilution
		3.00	@	1.04	6.4	142.00	145.00	0.5g/t Au cut-off and no internal dilution
				i				
		12.00	@	0.76	5.3	183.00	195.00	0.26g/t Au cut-off and max. 2m continuous internal dilution
		including						
		2.00	@	2.00	6.2	192.00	194.00	0.5g/t Au cut-off and no internal dilution
		16.00	@	0.76	4.1	206.00	222.00	0.26g/t Au cut-off and max. 3m continuous internal dilution
		including						
		6.00	@	1.32	6.3	216.00	222.00	0.5g/t Au cut-off and max. 1m continuous internal dilution
		10.00	@	1.47	9.7	234.00	244.00	0.5g/t Au cut-off and max. 2m continuous internal dilution

Criteria	JORC Code Explanation	Details											
Data	• In reporting Exploration Results,	•	All cut-o	ff grad	es are re	ported.							
aggregation	weighting averaging techniques,	No top cut has been applied.											
methods	<ul> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>No top cut has been applied.</li> <li>The lower gold grade, larger intervals have been selected using a gold cut-off grade similar to the cut-off grade utilised for the Sturec Gold Project JORC 2012 Mineral Resource. While the higher gold grade, shorter intervals have been selected utilising incrementally increasing gold cut-off grades in order to visualise the mineralisation at a range of gold cut-off grades, which may be utilised in the future if the mineralisation needs to be high graded in order to support feasibility studies into the smaller, higher grade open pit mining or underground mining.</li> <li>Weighted means for each interval are calculated by: First multiply each of the widths of the individual sample intervals within the significant intersection by the assay result (Au g/t or Ag g/t) of each individual sample. Then sum all these values and divide by the overall width (m) of the significant intersection.</li> <li>Internal dilution was allowed as long as the aggregate weighted mean grade from the footwall or hangingwall side of the mineralised interval to the end of the dilution zone does not fall below the cut-off grade.</li> <li>Example of weighted mean calculation and treatment of internal dilution.</li> </ul>											
		Hole	From (m)	To (m)	Interval (m)	Sample Nr	Au g/t (Au- AA26)	Au g/t* interval	Ag g/t (ME- ICP61)	Ag g/t* interval			
		UGA-01	234	235	1	M294307	4.23	4.23	44	44	10	metres @	
		UGA-01	235	236	1	M294308	0.34	0.34	4.4	4.4	1.47	g/t Au	
		UGA-01	236	237	1	M294309	0.5	0.5	5	5	9.68	g/t Ag	
		UGA-01	237	238	1	M294310	0.65	0.65	3.9	3.9		from	234m
		UGA-01	238	239	1	M294312	0.27	0.27	4.2	4.2		using a 0.3g/t Au cut-off with max. 2m of continuous internal dilution	
		UGA-01	239	240	1	M294313	0.2	0.2	3.3	3.3			
		UGA-01	235	240	1	M294313	0.8	0.2					
		UGA-01	240	241	1	M294315	0.44	0.44	2.6	2.6			
		UGA-01	242	243	1	M294316	0.5	0.44	1.9	1.9			
		UGA-01	243	244	1	M294317	6.76	6.76	20.5	20.5			
		•	No meta	l equiv	alents ha	ave been q	uoted.						
Relationship between mineralisation widths and	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation</li> </ul>		true thie approxim	ckness mately	could be north-so	e a small p	proportio oser the l	n of the	intersectio	n thickne	ess. As the	ralisation and the mineralisation z naller the true th	one strikes
intercept length	with respect to the drill hole angle is											reas below the cu ered and brecciate	

Criteria	JORC Code Explanation	Details
	<ul> <li>known, its nature should be reported.</li> <li>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').</li> </ul>	andesite host rock containing varying amounts of quartz filled vein / stockwork / breccia, variably rich in fine to very fine grained sulphides (mainly pyrite/marcasite) is not a true thickness. The true thickness of the mineralisation is approximately 90m at the top of the drill hole and 30m at the bottom of the drill hole (see Figure 4 in the body of the announcement). The mineralisation is funnel shaped with the thicker zone higher and the thinner zone lower. This ore body geometry is common for many low-sulphidation epithermal gold- silver deposits.
Diagrams	<ul> <li>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.</li> </ul>	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 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.	<ul> <li>Several metallurgical test work programs have been completed at independent laboratories confirming that th 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.</li> <li>In response to the cyanide ban, several metallurgical test work programs assessing alternative processin methodologies have been completed on the ore from Sturec. The three most promising are:         <ul> <li>Thiosulphate Leaching gold and silver extraction technology was investigated by the previous owners of th project (Arc Minerals Limited) between 2011-2014. The Thiosulphate Leaching test work results reported so fa 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 CM Chimie. In this study, Ammonium Thiosulphate leaching of the Sturec ore (10 batches of approximately 800k each) produced a pregnant liquor that had a content of 3-8g/t Au and 10-25g/t Ag, which was then subjecte 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 a 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 warrante 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.</li> <ul> <li>In 2016-2017, Arc Minerals also investigated the Cycladex Process as another alternative to cy</li></ul></ul></li></ul>

Criteria	JORC Code Explanation	Details
		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 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.
D L		<ul> <li>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. Gravity/floatation concentrate metallurgical testwork completed by the Company (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</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		<ul> <li>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.</li> </ul>
		• 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	<ul> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling</li> </ul>	<ul> <li>There is good potential for the delineation of further gold mineralisation within the Sturec Gold Project area through future exploration.</li> <li>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.</li> </ul>
	areas, provided this information is not commercially sensitive.	