METALS TECH LIMITED

**ASX Release**
30 June 2022

# VISIBLE GOLD IDENTIFIED IN UGA-41

## Highlights

- **Visible Gold** has been identified at 130.8m (downhole) in UGA-41 during sampling (Figure 1)
- UGA–41 was completed to a depth of 144.8m and is positioned 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 (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 (downhole thickness);

*Cautionary Note: 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 50-90m wide.*

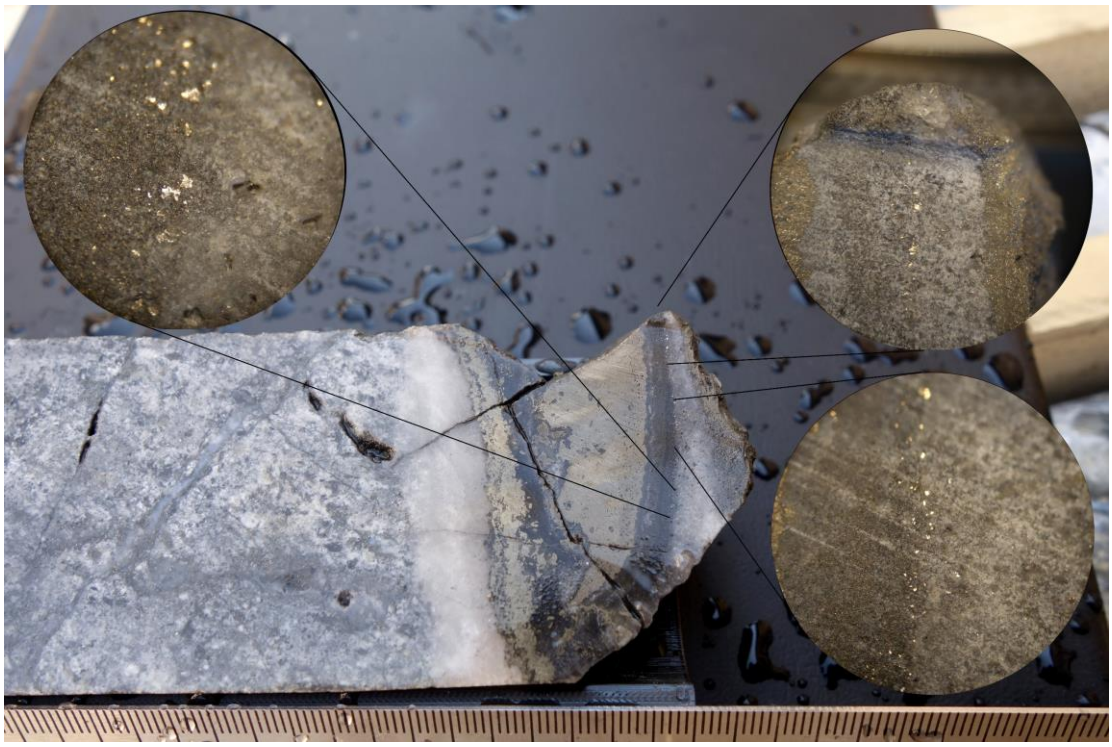

Figure 1: On this cut surface the Visible Gold is preserved as upto ~0.2mm sized grains within a ~5cm wide, grey-white, drusy quartz veinlet filled by fine-grained disseminated to semi-massive pyrite/marcasite crystals at 130.4m in UGA-41. Field of view of the right two magnified inset images is ~10mm across (x20) and the field of view of left magnified inset image is ~4mm across (x40).

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

MetalsTech Limited (ASX: MTC) (MTC or the Company) is pleased to provide stakeholders with an update on its Phase II diamond drilling program from Drill Chamber III at the Company's 100%-owned Sturec Gold Mine, located in Slovakia (Sturec). During sampling, visible gold at 130.8m was identified within 5cm quartz-pyrite/marcasite filled vein, hosted within a 143.5m wide zone of variably argillic altered, veined and brecciated andesite in the drill core from hole UGA-41.

The visible gold at 130.8m is present as up to ~0.2mm sized grains within a 5cm wide vein containing drusy, fine grained, white to grey chalcedonic quartz-pyrite (Figure 1).

*Note: With respect to any visible gold observed in UGA-41, 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-41 is set out in Table 1 below.

| Drill hole name | Easting (m) | Northing (m) | RL (m) | Datum | Azimuth (°TN) | Dip (°) | EOH Depth (m) |
|---|---|---|---|---|---|---|---|
| UGA-41 | -435,851 | -1,230,123 | 656 | S-JTSK/ Krovak | 017 | -60 | 144.8 |

Table 1: Drill Collar details

## UGA-41

UGA–41 was planned to test the depth of the mineralised zone below the existing Sturec Mineral Resource respectively (refer to MTC announcement dated 21 June 2021) but was stopped due to drilling issues associated with a historic mining void encountered at 143.5m to the end of hole depth of 144.8m. UGA-41 was positioned below recently drilled UGA-30.

UGA-41 intersected approximately 143.5m (*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 0m to 143.5m down hole.

The Company looks forward to providing an update on UGA-41 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 143.5m 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-41 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 143.5m intersection 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.*

**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.



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## 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[1]), 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[1]), 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) [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 Estimate above 2 g/t Au cut-off: outside 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 | 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** |

[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.

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## 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.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *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).<br>• 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.<br>• 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.<br>• 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 <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.<br>• None of the diamond core is being oriented.<br>• UGA-41 was drilled with NQ (47.6mm core diameter) to 144.8m (EOH). |
| **Drill sample recovery** | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *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.<br>• The core recovery for all drill holes so far is excellent, greater than 90%.<br>• Historic drill records indicate that core recovery at the Sturec Project was consistently good, where historic mining voids have not been encountered.<br>• 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.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | • 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.<br>• All logging data is digitally captured via excel spreadsheets, which are then validated when they are imported into a resource modelling software package.<br>• Core photography is completed for all drill holes.<br>• The entire length of drill core is logged. |
| **Sub-sampling techniques and sample preparation** | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *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.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | • 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.<br>• Same side of drill core sampled to ensure no selective sampling bias.<br>• The other half of the core is retained for geological reference and potential further sampling, such as metallurgical test work.<br>• 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.<br>• 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, As, Cu, Co, Pb, Zn, etc.<br>• The remainder of the material is retained as a coarse split for metallurgical test work.<br>• Remaining pulps are retained for analyses such as second laboratory check assays.<br>• 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.<br>• 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.<br>• 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.<br>• Sample prep techniques utilised are industry standard for Carpathian epithermal-style gold mineralisation and are considered appropiate.<br>• 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.*<br>• *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.*<br>• *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.* | • 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.<br>• 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 commonly used for Carpathian epithermal-style gold mineralisation and are considered appropiate.<br>• 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).<br>• 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.<br>• 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.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | • 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).<br>• No twins have been completed yet.<br>• 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.<br>• Data is stored in secure company owned Dropbox that has a 180 day file recovery and version history function.<br>• 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.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | • Locations of diamond drill hole collars, channel samples and mine workings are recorded using the Slovak National Datum: S-JTSK/Krovak Datum.<br>• As the location of the current drill hole is within the Andrej Adit, which has been surveyed, its location is very accurately known.<br>• High-resolution topography over the project was acquired using LiDAR. |
| **Data spacing and distribution** | • *Data spacing for reporting of Exploration Results.*<br>• *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.*<br>• *Whether sample compositing has been applied.* | • Data spacing is highly variable across the prospect.<br>• UGA-41 was positioned as an infill drill hole below UGA-30 both of which were drilled from Drill Chamber III. UGA-30 intersected a thick mineralized zone of mineralized zone of 173.2m @ 3.27g/t Au and 11.8g/t Ag from 0m (0.25g/t Au cut-off, downhole thickness, refer to MTC announcement dated 3 May 2022) including:<br>  • 103m @ 5.06g/t Au and 13.4g/t Ag from 57m (1g/t Au cut-off, downhole thickness); including:<br>  • 8m @7.16g/t Au and 11.3g/t Ag from 84m (3g/t Au cut-off, downhole thickness); and<br>  • 19m @ 11.35g/t Au and 23.9g/t Ag from 119m (3g/t Au cut-off, downhole thickness); including:<br>  • 1m @ 67.90g/t Au and 94.5g/t Ag from 127m (no Au cut-off, downhole thickness);<br>  • 7m @ 23.30g/t Au and 24.0g/t Ag from 153m (3g/t Au cut-off, downhole thickness); including: |

| Criteria | JORC Code Explanation | Details |
|---|---|---|
| | | • 1m @ 139g/t Au and 24.0g/t Ag from 154m (no Au cut-off, downhole thickness);<br>• 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.<br>• No samples have been composited. |
| **Orientation of data in relation to geological structure** | • *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*<br>• *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.* | • 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.<br>• 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 143.5m 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 3 in the body of the announcement). |
| **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)

<table>
<tr><th>Criteria</th><th>JORC Code Explanation</th><th>Details</th></tr>
<tr><td>Mineral tenement and land tenure status</td><td>• 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, wilderness or national park and environmental settings.<br>• The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</td><td>• Sturec Gold Project consists of the Kremnica Mining Area (9.47 km$^2$) owned by Slovakian limited liability company Ortac s.r.o., which is a wholly-owned subsidiary of Ortac UK (a private limited company registered in England and Wales).<br>• Kremnica Mining Licence details:
<table>
<tr><td>Name:</td><td>Mining Area Kremnica, Au-Ag</td></tr>
<tr><td>Mining area No:</td><td>MHD-D.P.- 12</td></tr>
<tr><td>Date of Issuance:</td><td>21 January 1961</td></tr>
<tr><td>Amendments:</td><td>No. 14-2754/2016</td></tr>
<tr><td>Date of Issuance:</td><td>14 September 2016</td></tr>
<tr><td>Metals</td><td>Gold and Silver</td></tr>
<tr><td>Duration:</td><td>Indefinite</td></tr>
</table></td></tr>
</table>

| Criteria | JORC Code Explanation | Details |
|---|---|---|

**ORTAC, s.r.o. Mining Licence details**

| | |
|---|---|
| Holder of the ML: | Ortac, s.r.o. |
| Name: | Ortac, s.r.o., company Id. No. 36 861 537 |
| Mining License No: | Decision on approval of Mining License transfer to Ortac s.r.o. No: 1037-1539/2009 |
| Date of Issuance: | 27. May 2009 , valid from 6. June 2009 |
| Note: | Transfer from Kremnica Gold Mining s.r.o. (former) to Ortac, s.r.o. |
| Subject: | · Opening, preparation and exploitation of exclusive mineral resource<br>· Installation, conservation and decommissioning of mining work<br>· Processing and refinement of mineral resources<br>· Installation and operation of unloading areas and dumps<br>· Opening the mining works to the public for museum purposes and related safety maintenance works<br>· Blasting |
| Duration: | Indefinite |

- The Kremnica Mining Licence is located in central Slovakia between the town of Kremnica and the village of Lučky, 17km west of central Slovakia's largest city, Banska Bystrica, and 150km northeast of the capital, Bratislava.
- Metals Tech owns 100% 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 ounce of resource that is delineated at the project above an open cut JORC (2012) Indicated and Measured Resources that exceeds 1.5million ounces at a grade greater than 2.5g/t AuEq after 2 years from the date of execution of the Terms Sheet but before the date that is 5 years after the date of execution of the Terms Sheet capped at 7 million ounces.
- In 2013, Arc Minerals (named Ortac Resources Limited at this time) submitted a small-scale underground mining application, which was awarded by the Central Mining Bureau in 2014. Trial underground mining commenced in June 2014 and a 40t bulk sample was extracted from Sturec for metallurgical test work.
- In 2016, the Regional Court in Banská Bystrica ruled against the Central Mining Bureau concerning the underground mining permit issued to Arc Minerals Limited in 2014 and revoked the decision to issue the mining permit.
- In May 2017, the Central Mining Bureau issued Ortac SK with an amended underground mining permit that allowed for small-scale mining activities to recommence.
- In July 2017, Ortac SK (Arc Minerals Limited) re-commenced the trial underground mining activities at Sturec, fulfilling 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. 500t of ore was extracted and used for metallurgical test work relating to alternative processing technologies to the conventional cyanide leaching.
- 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.
- 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.

| Criteria | JORC Code Explanation | Details |
|---|---|---|
| | | • 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.<br>• 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.<br>• Although Ortac s.r.o. is officially registered as the holder of the Kremnica Mining Area, the validity of the allocation of the Kremnica Mining Area has been repeatedly disputed. Arguments challenging the validity of the allocation of the Kremnica Mining Area have been raised by third parties in licensing proceedings in respect of particular mining activities within the Kremnica Mining Area. 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 Area is successfully defended in principle, there is a risk that Ortac SK's entitlement to the Kremnica Mining Area could be held to be limited to underground operations only.<br>• 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.<br>• It appears that a significant part of the Kremnica Mining Area 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.<br>• There is one registered environmental burden located in the Kremnica Mining Area 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.<br>• 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.<br>o To minimise the first risk, MetalsTech is investigating alternative gold processing methods.<br>o 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. |

| Criteria | JORC Code Explanation | Details |
|---|---|---|
| **Exploration done by other parties** | • *Acknowledgment and appraisal of exploration 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:<br>○ 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.<br>○ 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.<br>○ 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.<br>○ 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.<br>○ 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 |

<table>
<tr><th>Criteria</th><th>JORC Code Explanation</th><th>Details</th></tr>
<tr><td></td><td></td><td>
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 area, the structure is controlled by a 6-7km long, N-S trending horst, known as the Kremnica Horst Structure, which is interpreted to be the result of the sub-volcanic intrusions of gabbrodiorite, diorite, diorite porphyry, and minor quartz-diorite porphyry at depth causing this zone to be uplifted relative to the two graben structures to either side.
<ul><li>The Sturec Gold Project mineralisation is classified as a low-sulphidation epithermal Ag-Au deposit type and is interpreted to have formed from low-salinity fluids composed of a mixture of meteoric and magmatic waters at temperatures mostly between ~270 to 190 °C. The mineralisation is hosted by quartz–dolomite veins also containing adularia, sericite, illite and chalcedony that cut through Neogene propyllitised (low pressure/low to medium temperature hydrothermal alteration) andesites of the Kremnica stratovolcano. The hydrothermal alteration from the veins outwards consists of silicification and potassic-metasomatism (adularia), propylitization and argillisation. Vein styles include large banded to massive quartz veins, smaller quartz veins and sheeted veins, quartz stockwork veining and silicified hydrothermal breccias.</li></ul>
</td></tr>
<tr><td>Drill hole Information</td><td>
<ul><li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:
<ul><li>easting and northing of the drill hole collar</li><li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li><li>dip and azimuth of the hole</li><li>down hole length and interception depth</li><li>hole length.</li></ul></li>
<li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li></ul>
</td><td>
<ul><li>Drill collar details:</li></ul>
<table>
<tr><th>Drill hole name</th><th>Easting (m)</th><th>Northing (m)</th><th>RL (m)</th><th>Datum</th><th>Azimuth (°TN)</th><th>Dip (°)</th><th>EOH Depth (m)</th></tr>
<tr><td>UGA-41</td><td>-435,851</td><td>-1,230,123</td><td>656</td><td>S-JTSK/ Krovak</td><td>017</td><td>-60</td><td>144.8</td></tr>
</table>
<ul><li>Summary table of significant drill hole intersections so far:</li></ul>
<table>
<tr><th>Hole</th><th>Width (m) (Down hole depth)</th><th></th><th>Au g/t</th><th>Ag g/t</th><th>From (m) (Down hole depth)</th><th>To (m) (Down hole depth)</th><th>Cut-off</th></tr>
<tr><td rowspan="7">UGA-30</td><td>173.20</td><td>@</td><td>3.27</td><td>11.8</td><td>0.00</td><td>173.20</td><td>0.25g/t Au cut-off and max. 4m continuous internal dilution</td></tr>
<tr><td colspan="5">including</td><td></td></tr>
<tr><td>103.00</td><td>@</td><td>5.06</td><td>13.4</td><td>57.00</td><td>160.00</td><td>0.5g/t Au cut-off and max. 4m continuous internal dilution</td></tr>
<tr><td colspan="5">including</td><td></td></tr>
<tr><td>8.00</td><td>@</td><td>7.16</td><td>11.3</td><td>84.00</td><td>92.00</td><td>3g/t Au cut-off and 2m internal dilution</td></tr>
<tr><td colspan="5">and</td><td></td></tr>
<tr><td>19.00</td><td>@</td><td>11.35</td><td>23.9</td><td>119.00</td><td>138.00</td><td>3g/t Au cut-off and max. 4m continuous internal dilution</td></tr>
</table>
</td></tr>
</table>

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | including | | | | |
| | | | 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 |
| | | | | including | | | | |
| | | | 1.00 | @ | 139.00 | 87.3 | 154.00 | 155.00 | no cut-off or dilution |
| | | UGA-29 | 59.00 | @ | 1.04 | 9.1 | 0.00 | 59.00 | 0.25g/t Au cut-off and max. 7m continuous internal dilution |
| | | | | including | | | | |
| | | | 27.00 | @ | 1.20 | 12.2 | 0.00 | 27.00 | 0.5g/t Au cut-off and max. 3m continuous internal dilution |
| | | | | including | | | | |
| | | | 15.00 | @ | 1.66 | 15.8 | 12.00 | 27.00 | 1g/t Au cut-off and max. 3m continuous internal dilution |
| | | | | including | | | | |
| | | | 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 |
| | | | | including | | | | |
| | | | 10.00 | @ | 1.55 | 3.8 | 87.00 | 97.00 | 0.5g/t Au cut-off and no internal dilution |
| | | | | including | | | | |
| | | | 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 |
| | | | | | | | | |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 6.00 | @ | 0.94 | 3.4 | 131.00 | 137.00 | 0.5g/t Au cut-off and 3m internal dilution |
| | | UGA-27 | 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 |
| | | | including | | | | | | |
| | | | 5.00 | @ | 1.26 | 2.4 | 104.00 | 109.00 | 0.5g/t Au cut-off and 3m internal dilution |
| | | | | | | | | | |
| | | | 12.00 | @ | 1.22 | 2.0 | 139.00 | 151.00 | 0.3g/t Au cut-off and 2m internal dilution |
| | | | including | | | | | | |
| | | | 6.00 | @ | 2.09 | 3.0 | 143.00 | 149.00 | 0.5g/t Au cut-off and 2m internal dilution |
| | | | including | | | | | | |
| | | | 2.00 | @ | 5.14 | 4.6 | 143.00 | 145.00 | 1g/t Au cut-off and no internal dilution |
| | | UGA-26 | 2.00 | @ | 2.27 | 13.0 | 22.00 | 24.00 | 0.25g/t Au cut-off and no internal dilution |
| | | | including | | | | | | |
| | | | 5.00 | @ | 0.55 | 1.7 | 34.00 | 39.00 | 0.25g/t Au cut-off and 1m internal dilution |
| | | | including | | | | | | |
| | | | 32.00 | @ | 0.91 | 16.3 | 56.00 | 88.00 | 0.25g/t Au cut-off and max. 5m continuous internal dilution |
| | | | including | | | | | | |
| | | | 10.00 | @ | 1.50 | 22.5 | 69.00 | 79.00 | 0.75g/t Au cut-off and 3m internal dilution |
| | | UGA-25 | 6.00 | @ | 0.68 | 6.8 | 42.00 | 48.00 | 0.25g/t Au cut-off and 3m internal dilution |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | 53.00 | @ | 0.86 | 10.0 | 95.00 | 148.00 | 0.25g/t Au cut-off and max. 3m continuous internal dilution |
| | | | including | | | | | | |
| | | | 23.00 | @ | 1.46 | 15.1 | 104.00 | 127.00 | 0.5g/t Au cut-off and 2m continuous internal dilution |
| | | | including | | | | | | |
| | | | 7.00 | @ | 2.75 | 23.3 | 120.00 | 127.00 | 1g/t Au cut-off and no internal dilution |
| | | | including | | | | | | |
| | | | 4.00 | @ | 3.86 | 31.1 | 121.00 | 125.00 | 2g/t Au cut-off and no internal dilution |
| | | UGA-24 | 15.00 | @ | 1.30 | 6.8 | 27.00 | 42.00 | 0.25g/t Au cut-off and max. 1m continuous internal dilution |
| | | | including | | | | | | |
| | | | 11.00 | @ | 1.67 | 8.5 | 30.00 | 41.00 | 0.5g/t Au cut-off and max. 2m continuous internal dilution |
| | | | including | | | | | | |
| | | | 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 | | | | | | |
| | | | 3.00 | @ | 3.13 | 16.9 | 109.00 | 112.00 | 1g/t Au cut-off and no internal dilution |
| | | UGA-23 | 5.00 | @ | 0.56 | 2.7 | 47.00 | 52.00 | 0.25g/t Au cut-off and no internal dilution |
| | | | including | | | | | | |
| | | | 3.00 | @ | 0.72 | 2.7 | 49.00 | 52.00 | 0.5g/t Au cut-off and no internal dilution |
| | | | | | | | | | |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 53.00 | @ | 0.77 | 5.9 | 65.00 | 118.00 | 0.25g/t Au cut-off and max. 5m continuous internal dilution |
| | | | including | | | | | | |
| | | | 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 |
| | | UGA-22 | 105.30 | @ | 0.55 | 3.2 | 38.00 | 143.30 | 0.25g/t Au cut-off and max. 7m continuous internal dilution |
| | | | including | | | | | | |
| | | | 22.00 | @ | 0.80 | 5.7 | 99.00 | 121.00 | 0.5g/t Au cut-off and 2m internal dilution |
| | | | 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 |
| | | | including | | | | | | |
| | | | 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 |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 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 |
| | | UGA-20 | 61.00 | @ | 0.97 | 12.3 | 55.00 | 116.00 | 0.25g/t Au cut-off and max. 5m continuous internal dilution |
| | | | | including | | | | |
| | | | 19.00 | @ | 2.07 | 29.1 | 77.00 | 96.00 | 1g/t Au cut-off and 4m internal dilution |
| | | | | including | | | | |
| | | | 15.00 | @ | 2.24 | 34.3 | 77.00 | 92.00 | 1.5g/t Au cut-off and max. 4m continuous internal dilution |
| | | | | including | | | | |
| | | | 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 |
| | | UGA-19 | 68.00 | @ | 0.43 | 4.3 | 19.00 | 87.00 | 0.26g/t Au cut-off and max. 6m continuous internal dilution |
| | | | | including | | | | |
| | | | 6.00 | @ | 1.07 | 1.7 | 19.00 | 25.00 | 0.3g/t Au cut-off and 3m continuous internal dilution |
| | | | | and | | | | |
| | | | 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 |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | UGA-18 | 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 |
| | | | including | | | | | | |
| | | | 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 |
| | | | including | | | | | | |
| | | | 6.00 | @ | 109.82 | 81.7 | 76.00 | 82.00 | 1g/t Au cut-off, no top cut and max. 3m continuous internal dilution |
| | | | including | | | | | | |
| | | | 1.00 | @ | 646.00 | 459.0 | 81.00 | 82.00 | |
| | | UGA-17 | 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 |
| | | | including | | | | | | |
| | | | 35.00 | @ | 3.31 | 12.3 | 60.00 | 95.00 | 1g/t Au cut-off, no top cut and max. 5m continuous internal dilution |
| | | | including | | | | | | |
| | | | 19.00 | @ | 5.08 | 12.9 | 67.00 | 86.00 | 2g/t Au cut-off, no top cut and max. 3m continuous internal dilution |
| | | UGA-16 | 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 |
| | | | including | | | | | | |
| | | | 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 |
| | | | including | | | | | | |
| | | | 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 |
| | | UGA-15 | 124.00 | @ | 1.47 | 11.6 | 3.00 | 127.00 | 0.26g/t Au cut-off and max. 6m continuous internal dilution |
| | | | including | | | | | | |
| | | | 14.00 | @ | 2.70 | 27.5 | 17.00 | 31.00 | 1g/t Au cut-off and 4m internal dilution |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | and | | | | |
| | | | 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 |
| | | | | | | | | | |
| | | | 63.00 | @ | 3.53 | 9.6 | 71.00 | 134.00 | 0.26g/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 |
| | | | | including | | | | | |
| | | | 10.00 | @ | 16.98 | 26.4 | 95.00 | 105.00 | 2g/t Au cut-off and 2m internal dilution |
| | | UGA-13 | 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 |
| | | | | | | | | | |
| | | | 19.00 | @ | 4.25 | 3.7 | 152.00 | 171.00 | 0.26g/t Au cut-off and max. 5m continuous internal dilution |
| | | | | including | | | | | |
| | | | 5.00 | @ | 14.90 | 6.1 | 157.00 | 162.00 | 0.5g/t Au cut-off and 2m internal dilution |
| | | | | | | | | | |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 10.00 | @ | 0.85 | 3.0 | 204.00 | 214.00 | 0.26g/t Au cut-off and 3m internal dilution |
| | | UGA-11 | 111.00 | @ | 0.96 | 5.4 | 15.00 | 126.00 | 0.2g/t Au cut-off and max. 7m continuous internal dilution |
| | | | including | | | | | | |
| | | | 19.00 | @ | 4.23 | 17.2 | 107.00 | 126.00 | 1g/t Au cut-off and 5m internal dilution |
| | | | including | | | | | | |
| | | | 6.00 | @ | 8.39 | 21.0 | 117.00 | 123.00 | 3g/t Au cut-off and 3m internal dilution |
| | | UGA-08 | 137.00 | @ | 0.60 | 1.2 | 0.00 | 137.00 | 0.2g/t Au cut-off and max. 3m continuous internal dilution |
| | | | including | | | | | | |
| | | | 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 |
| | | | 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 |
| | | UGA-12 | 81.00 | @ | 1.90 | 10.3 | 17.00 | 98.00 | 0.26g/t Au cut-off and max. 5m continuous internal dilution |
| | | | including | | | | | | |
| | | | 35.00 | @ | 3.73 | 11.6 | 63.00 | 97.00 | 0.5g/t Au cut-off and max. 6m continuous internal dilution |
| | | | including | | | | | | |
| | | | 5.00 | @ | 20.46 | 21.0 | 92.00 | 97.00 | 1g/t Au cut-off and no internal dilution |

| Criteria | JORC Code Explanation | Details |
|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UGA-10 | 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 |
| | including | | | | | | |
| | 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 |
| | including | | | | | | |
| | 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 |
| | including | | | | | | |
| | 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 |
| | | | | | | | |
| | 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 |
| | | | | | | | |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21.00 | @ | 0.96 | 3.6 | 86.00 | 107.00 | 0.26g/t Au cut-off and max. 2m continuous internal dilution |
| | | | including | | | | | | |
| | | | 7.00 | @ | 2.24 | 6.0 | 100.00 | 107.00 | 0.5g/t Au cut-off and 2m internal dilution |
| | | | including | | | | | | |
| | | | 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 |
| | | | including | | | | | | |
| | | | 24.00 | @ | 2.28 | 11.5 | 17.00 | 41.00 | 0.5g/t Au cut-off and max. 7m continuous internal dilution |
| | | | including | | | | | | |
| | | | 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 |
| | | | | | | | | | |
| | | | 3.00 | @ | 1.57 | 5.0 | 112.00 | 115.00 | 0.5g/t Au cut-off and no internal dilution |
| | | UGA-06 | 70.00 | @ | 3.43 | 14.7 | 33.00 | 103.00 | 0.26g/t Au cut-off and max. 6m continuous internal dilution |
| | | | including | | | | | | |
| | | | 5.00 | @ | 5.52 | 19.9 | 36.00 | 41.00 | 1g/t Au cut-off and no internal dilution |
| | | | 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 |
| | | | and | | | | | | |
| | | | 4.00 | @ | 22.81 | 37.4 | 98.00 | 102.00 | 2g/t Au cut-off and no internal dilution |

| Criteria | JORC Code Explanation | Details |
|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UGA-05 | 32.00 | @ | 4.62 | 17.5 | 70.00 | 102.00 | 0.26g/t Au cut-off and max. 3m continuous internal dilution |
| | including | | | | | | |
| | 9.00 | @ | 14.53 | 48.2 | 90.00 | 99.00 | 2g/t Au cut-off and 3m internal dilution |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UGA-04 | 90.00 | @ | 3.88 | 13.9 | 0.00 | 90.00 | 0.26g/t Au cut-off and max. 6m continuous internal dilution |
| | including | | | | | | |
| | 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 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UGA-03 | 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 |
| | including | | | | | | |
| | 31.61 | @ | 3.76 | 11.0 | 248.00 | 279.61 | 0.5g/t Au cut-off and max. 2m continuous internal dilution |
| | including | | | | | | |
| | 24.00 | @ | 4.74 | 13.4 | 252.00 | 276.00 | 1g/t Au cut-off and max. 3m continuous internal dilution |
| | including | | | | | | |
| | 15.00 | @ | 6.70 | 15.3 | 252.00 | 267.00 | 2g/t Au cut-off and max. 3m continuous internal dilution |
| | including | | | | | | |
| | 7.00 | @ | 11.65 | 24.7 | 260.00 | 267.00 | 5g/t Au cut-off and max. 1m continuous internal dilution |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UGA-02 | 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 |
| | including | | | | | | |

| Criteria | JORC Code Explanation | Details | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 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 |
| | | | | | | | | | |
| | | | 26.00 | @ | 1.20 | 5.8 | 111.00 | 137.00 | 0.5g/t Au cut-off and max. 2m internal dilution |
| | | | including | | | | | | |
| | | | 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 |
| | | | including | | | | | | |
| | | | 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 |
| | | | | | | | | | |
| | | | 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 |

| Criteria | JORC Code Explanation | Details |
|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | **10.00** | **@** | **0.76** | **6.4** | **135.00** | **145.00** | 0.26g/t Au cut-off and max. 2m continuous internal dilution |
| | **including** | | | | | | |
| | **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 |
| | **including** | | | | | | |
| | **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 |

<table>
<tr><th>Criteria</th><th>JORC Code Explanation</th><th>Details</th></tr>
<tr><td>Data aggregation methods</td><td>• 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.<br>• 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.<br>• The assumptions used for any reporting of metal equivalent values should be clearly stated.</td><td>
• All cut-off grades are reported.<br>
• No top cut has been applied.<br>
• 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.<br>
• 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.<br>
• 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.<br>
• Example of weighted mean calculation and treatment of internal dilution.
<table>
<tr><th>Hole</th><th>From (m)</th><th>To (m)</th><th>Interval (m)</th><th>Sample Nr</th><th>Au g/t (Au-AA26)</th><th>Au g/t* interval</th><th>Ag g/t (ME-ICP61)</th><th>Ag g/t* interval</th></tr>
<tr><td>UGA-01</td><td>234</td><td>235</td><td>1</td><td>M294307</td><td>4.23</td><td>4.23</td><td>44</td><td>44</td></tr>
<tr><td>UGA-01</td><td>235</td><td>236</td><td>1</td><td>M294308</td><td>0.34</td><td>0.34</td><td>4.4</td><td>4.4</td></tr>
<tr><td>UGA-01</td><td>236</td><td>237</td><td>1</td><td>M294309</td><td>0.5</td><td>0.5</td><td>5</td><td>5</td></tr>
<tr><td>UGA-01</td><td>237</td><td>238</td><td>1</td><td>M294310</td><td>0.65</td><td>0.65</td><td>3.9</td><td>3.9</td></tr>
<tr><td>UGA-01</td><td>238</td><td>239</td><td>1</td><td>M294312</td><td>0.27</td><td>0.27</td><td>4.2</td><td>4.2</td></tr>
<tr><td>UGA-01</td><td>239</td><td>240</td><td>1</td><td>M294313</td><td>0.2</td><td>0.2</td><td>3.3</td><td>3.3</td></tr>
<tr><td>UGA-01</td><td>240</td><td>241</td><td>1</td><td>M294314</td><td>0.8</td><td>0.8</td><td>7</td><td>7</td></tr>
<tr><td>UGA-01</td><td>241</td><td>242</td><td>1</td><td>M294315</td><td>0.44</td><td>0.44</td><td>2.6</td><td>2.6</td></tr>
<tr><td>UGA-01</td><td>242</td><td>243</td><td>1</td><td>M294316</td><td>0.5</td><td>0.5</td><td>1.9</td><td>1.9</td></tr>
<tr><td>UGA-01</td><td>243</td><td>244</td><td>1</td><td>M294317</td><td>6.76</td><td>6.76</td><td>20.5</td><td>20.5</td></tr>
</table>
10 metres @<br>
1.47 g/t Au<br>
9.68 g/t Ag<br>
from 234m<br>
using a 0.3g/t Au cut-off with max. 2m of continuous internal dilution<br>
• No metal equivalents have been quoted.
</td></tr>
<tr><td>Relationship between mineralisation widths and intercept length</td><td>• These relationships are particularly important in the reporting of Exploration Results.<br>• If the geometry of the mineralisation with respect to the drill hole angle is</td><td>
• Generally, the drilling from the Andrej Adit is at an angle to the strike of the mineralisation and therefore, the true thickness could be a small proportion of the intersection thickness. As the mineralisation zone strikes approximately north-south, the closer the hole azimuth is to north or south, the smaller the true thickness will be compared of the intersection thickness.<br>
• UGA-41 was drilled down the dip of the mineralised zone in order to try to target areas below the current Sturec Mineral Resource Estimate. Therefore, the 143.5m intersection of variably argillic altered and
</td></tr>
</table>

| Criteria | JORC Code Explanation | Details |
|---|---|---|
| | *known, its nature should be reported.*<br>• *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').* | 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 3 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** | • *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 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.* | • 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.<br>• 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:<br>○ 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.<br>○ 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 |

| 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.<br>○ 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 on a sample from UGA-14 completed by the Company (ASX:MTC announcement dated 1/10/2021) 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<br>• 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.<br>• 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.<br>• 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.<br>• 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).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | • There is good potential for the delineation of further gold mineralisation within the Sturec Gold Project area through future exploration.<br>• Prospects such as Wolf, Vratislav, Katerina, Volle 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. |