Atlas Gold / Silver Project:
A new generation precious metal project in the Mio-Pliocene volcanic arc of northern Chile

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Stephen Nano, President and CEO for the Company and a “Qualified Person” under National Instrument 43-101, has reviewed and approved the scientific and technical information in this presentation.
Mirasil Resources: Project Generator
Gold Silver Copper – Chile Argentina

• Well funded – Approx. $25.6 M CAD (cash & receivables to 2016)

• Conservative capital structure 44.2 million shares outstanding

47.4 million fully diluted (3.2 m options)

• Discovery focused management & exploration team

• Delivered on business model via discovery & with sale of project

• High-calibre project portfolio:
  o Five Headline Projects – large system / multiple targets / drill ready
  o Rubi JV First Quantum Minerals copper-gold porphyry Chile

• New generative program & parallel project acquisition search

Core Shed – Virginia Core High Grade Silver deposit
  – Atlas Gold Silver Project hand samples
Mirasol Resources Mio-Pliocene Arc Program - Chile

Chile-Argentina world class Mio-Pliocene arc for Cu/Au mineralization

- Teniente (13Mt Cu*) - Southern Porphyry Belt
- Pascua (22Moz Au, 674Moz Ag*) – El Indio Belt
- Alumbrera (17Moz Au, 3.4Mt Cu*) – Farallon Negro District
- Caspiche (25Moz Au, 60Moz Ag*) – Maricunga Belt

Until recently no large Mio-Pliocene gold deposits north of the Maricunga Belt for 950 km to the Choquelimpe deposit

→ Large extension of under-explored Mio-Pliocene Arc with potential for new world class Au, Ag & Cu discoveries.

* Global Resource = Reserves + Resources + Historic Production
New Gold Silver Discoveries North of the Maricunga Belt

North of La Coipa/Esperanza new precious metal discoveries

2013 Mirasol announces new outcropping discoveries Atlas & Titan high sulphidation gold silver systems in Gorbea Gold Belt - Chile

2014 Goldfields announce discovery & initial resource – Salares Norte 3.1 Moz Au @ 4.2 g/t Au & 34 Moz Ag @ 44.8 g/t

Demonstrates extension to productive mineralization cycle northwards

New Discoveries - Why Now?
- Improved geological understanding
- New exploration technologies

→ Test high risk targets
Mapping Productive Mineral Belts with Geochronology

Two (three?) productive mineralization cycles in the Maricunga Belt

- **Early** ~22-26 Ma
  - Caspiche: 25.38 Ma
  - Santa Cecilia: 24.3 - 24.1 Ma
  - La Pepa: 23.88 - 22.3 Ma

- **Middle** ~17-20.7 Ma
  - La Coipa: 20.2-17.3 Ma
  - Esperanza: 20.7-18.6 Ma

- **Late** ~11-14 Ma
  - Marte: 13.3 Ma
  - Volcan: 11.4 - 11.1 Ma
  - Cerro Casale: 13.98 - 13.5 Ma

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**MIRASOL CHILE PROJECTS**

- **ATLAS**: 19.9 Ma
- **TITAN**: 17.1 Ma
- **Esperanza**: 20.7 Ma & 18.6 Ma
- **Marte**: 13.3 Ma
- **La Coipa**: 20.2 Ma & 17.3 Ma
- **La Pepa**: 22.3 Ma
- **Caspiche**: 25.4 Ma
- **MIRASOL GORBEA GOLD BELT**
- **FQM RUBI JV**
- **Salares Norte**: ? Ma
- **Volcan**: 11.1 Ma & 11.4 Ma
- **Cerro Casale**: 13.5 Ma & 13.98 Ma
- **Cerro Volcan**: 11.1 Ma & 11.4 Ma
- **Santa Cecilia**: 24.1 Ma & 24.3 Ma
- **MIRASOL CHILE PROJECTS**

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**Tenure**
- Mirasol Property
- Mirasol JV 1st Floor
- Mirasol JV 2nd Floor

**Mineralization Age**
- Early (~22-26 Ma)
- Middle (~17-20.7 Ma)
- Late (~11-14 Ma)
- Other Deposits

**Geochron points** (age dates 11-26 Ma)
- Mio-Pliocene
- Volcanic Arc
Gorbea Gold Belt: Atlas & Titan Projects, Chile

2 New outcropping gold-silver systems / large system footprints / district play 9 projects

- **Atlas Project**: 100% Mirasol Owned
  - 25 km$^2$ alteration
  - 6 km$^2$ area with multiple prospects
  - No previous drilling

- **Titan Project**: 100% Mirasol Owned
  - Large gold system
  - Recon drill intersections
  - Up to 44m @ 1.21 g/t Au
  - Including 10m @ 3.85 g/t Au

**Crustal scale structural trends**

**Extensive strong ASTER satellite alteration zones**

**Large partially covered zones of magnetite destruction**

**Widespread outcropping Au/Ag mineralization**

→ **New Discoveries**

**ASTER Alteration System**

**Crater scale structural trends**

**Extensive strong ASTER satellite alteration zones**

**Large partially covered zones of magnetite destruction**

**Widespread outcropping Au/Ag mineralization**

→ **New Discoveries**
Andesite-dacite dome field - 20.7, 18.6 & 17.6 Ma

Large advanced argillic alteration zone focussed SE of domes

Published K/Ar alunite alteration dates 18.1 & 21.1 Ma

New Ar/Ar alunite alteration date 19.86 +/- 0.04 Ma

Middle Maricunga Cycle

→ La Coipa age/min. style & geological setting
Atlas - Surface Gold Silver Assays & Geophysics

New large high sulphidation gold-silver system / high grade rock chip assays & geophysical anomalies

**ESCONDIDA TARGET**

- **Au / Ag**
  - 0.02 / 2470.0
  - 0.01 / 592.0
  - 0.01 / 377.0

**ATLAS GOLD ZONE**

- **Au / Ag**
  - 50.3 / 5.2
  - 30.7 / 42.3
  - 16.8 / 43.9

**FALDA TARGET**

- **Au / Ag**
  - 0.301 / 0.4
  - 0.242 / 0.3
  - 0.215 / 0.2

**ATLAS SILVER ZONE**

- **Au / Ag**
  - 0.008 / 639.0
  - 0.006 / 492.0
  - 0.150 / 415.0

**PAMPA ZONE**

- **Au / Ag**
  - 2.91 / 1.9
  - 1.14 / 2.1
  - 1.32 / 5.7

**NEW OCULTO ZONE**

- Covered resistive zone. Outcrops of strong quartz-alunite alteration

**NEW PAMPA ZONE**

- Anomalous Rock Chip to 2.91 g/t Au & 421 g/t Ag

**LABELLED ROCK CHIP RESULTS**

From beginning of project to June 2014

<table>
<thead>
<tr>
<th>Gold (g/t)</th>
<th>Silver (g/t)</th>
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</thead>
<tbody>
<tr>
<td>50.3 / 5.2</td>
<td>0.01 / 2470</td>
</tr>
<tr>
<td>30.7 / 42.3</td>
<td>0.08 / 639</td>
</tr>
<tr>
<td>16.8 / 43.9</td>
<td>0.06 / 592</td>
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</tbody>
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**BEST 3 ROCK CHIP SAMPLES**

- Gold / Silver (g/t)

**Areas of Gold/Silver Anomalous Rock Chips**

IP 50m Depth Slice: Resistivity (Ohm-m)

10 to 50.4
0.25 to 1
0.10 to 0.25
0.05 to 0.10
0.01 to 0.05
0 to 0.01
BDL to 0

Pampa Zone

**IP Resistivity 50m Depth Slice**
AGZ prospect surface rock chip samples define an 800 by 500 m area with anomalous gold/silver.

55 samples in the range 1 - 50.3 g/t Au outline multiple NW trending vuggy silica structures.

AGZ gold structures traverse 1.1 km long trend with highly resistivity bodies.

New trench channel of vuggy silica structures & breccias, assay:

- 8.4 m @ 1.85 g/t Au,
- 11.3 m @ 1.32 g/t Au &
- 14.9 m @ 1.67 g/t Au
Atlas Gold Zone Trench & Sampling Photos

Vuggy silica structures with quartz-alunite halos & a barite late vein in the middle with 3.27 g/t Au in trench TR-01

Late stage barite vein common in vuggy silica structures with up to 3.27 g/t Au in trench TR-01

Cubic barite in vuggy silica structures with 8.85 g/t Au/ 45.8 g/t Ag in trench TR-03

Technician sampling Vuggy Silica Structure oblique (290° strike / 2 m thickness) to trench TR-02 with 7.28 g/t Au

Hydrothermal breccia zone exposed over 25 m in trench TR-02

Tambo like breccia vuggy silica clasts re-brecciation & leach clasts with late fill pink alunite with up to 5.07 g/t Au in TR-02
Atlas Gold Zone - Spectral Alteration Mapping - Alunite

- >2000 PSM* spectra – TSG software (& human interp.)
- Rock samples / lab coarse rejects
- Identify alteration mineral vectors → gold / silver
- Trenches → project level paleotemperature maps

Na rich Alunite + vuggy silica spatially correlate with elevated Au in trench assays

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**Alteration Mineral**
- Na Alunite
- K Alunite
- Illite
- Smectite
- Kaolinite
- Jarosite
- Opal

**Au Grade**

**Trench Gold Assays (g/t)**
- 1.00 to 7.28
- 0.25 to 1.00
- 0.10 to 0.25
- 0.05 to 0.10
- 0.03 to 0.05
- 0.01 to 0.03
- 0.00 to 0.01

- 1.6m @ 7.28g/t Au
- 8.7m @ 1.84g/t Au
- 6.1m @ 0.94g/t Au
- 5.2m @ 1.46g/t Au
- 11.2m @ 0.3g/t Au

**Trenches**
- ATLAS TRENCH 2

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**LEGEND**

- Primary Alteration Mineral
- Secondary Alteration Mineral
- Gold Assays from Trenching

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* PSM = Spectral Evolution - Portable SpectroMeter (PSM) 3500
Areas of strong absorption in the 1415nm feature, indicating an increase in Dickite & Nacrite / temperature indicators.

- 11.2m @ 0.3g/t Au
  Incl. 2.0m @ 0.51g/t Au

- 8.7m @ 1.84g/t Au
  Incl. 6.7m @ 2.33g/t Au

- 6.1m @ 0.94g/t Au
  Incl. 3.1m @ 1.52g/t Au

- 5.2m @ 1.46g/t Au
  Incl. 2.0m @ 0.51g/t Au

- 1.6m @ 7.28g/t Au
Kaolin group minerals absorption feature depth map → paleotemperature map

Higher temperature dickite / nacrite assemblage correlates to increasing gold/silver grades in trenches

AGZ Prospect – good correlation with high temperature dickite / nacrite

ASZ Prospect – temperature increase in NE towards the edge of cover

Oculto Geophysical Target – indications of high temperature dickite / nacrite → permissive temperature window
Atlas Silver Zone & Oculto Target – Priority Drill Targets Defined

Mineralization with breccia & silica sulphide replacement

Length weighted average channel sampling at end of trench: 55.9 m @ 39.9 g/t Ag

Best individual channels: 0.35 m @ 609 g/t Ag, 0.2 m @ 542 g/t Ag, 0.7 m @ 261 g/t Ag

Large scale covered drill targets indicated by geology & geophysics – paleotemperatur mapping supports priority drill targets – ASZ & Oculto
Atlas Silver Zone Trench & Sampling Photos

Laminated ash with bands of intense advanced argillic alteration with 609 g/t Ag in trench TR-06

Cinnabar wisps in the zone of the phreatic breccia with intense advanced argillic alteration (TR-06)

Sulphur vein (dipping SW) in the middle of a phreatic vent breccia with intense advanced argillic alteration, trench TR-06

Ignimbrites with pervasive quartz opaline silica & sulfide/sulfosalt veinlets in trench TR-06 with 519 g/t Ag

Phreatic – hydrothermal breccia

Upward flaring phreatic-hydrothermal breccia with clast samples up to 542 g/t Ag

Polyolithic hydrothermal breccia clasts of quartz vein fragment with bands of acanthite Suggest ISE or LSE
Atlas – New Drill Ready Gold Silver Project, Mio - Pliocene Chile

• New precious metal discoveries in under-explored segment of world class Mio-Pliocene age Au, Ag Cu belt in Chile

• Mirasol - Two new large outcropping Au / Ag HSE systems (Atlas & Titan) in belt play of 9 x 100% owned projects – Gorbea Belt

• Alteration age dating indicates Atlas & Titan correlate with productive mineral cycle → potential La Coipa analogy

• Atlas Gold Zone - significant area of outcropping gold bearing vuggy silica-alunite structures

• Atlas Silver Zone – high grade silver / anomalous gold in trenches with geophysical anomalies vectoring under cover

• Oculto - high priority geophysical target supported by paleotemperature vectors

→ Priority drill targets defined

→ Mirasol is seeking JV partners / strong offers received