

XPLORE.GLOBAL



# South American Orogenic Gold Targeting Workshop

Presented by

Benedikt Steiner (ARSM CGeol EurGeol FHEA)

Timothy Strong (ACSM FGS MIMMM RSci)

**Analyzing geology, geophysics & geochemistry for  
targeting of gold in greenstone belts**

**Using real datasets**

**Practical core logging and pXRF**

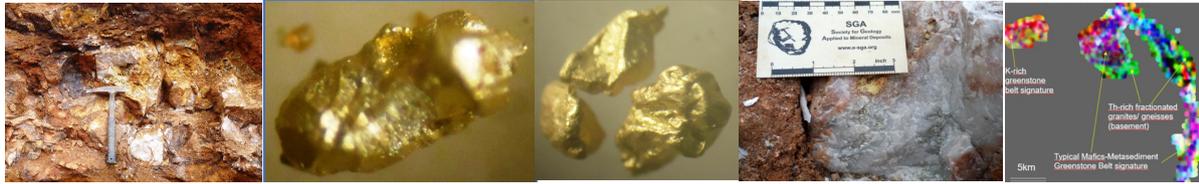
**Drill rig set up, management and Health & Safety**

Industry Participants - \$1,000(USD)

Government of Guyana Employees - \$250(USD)

**November 8th-10th 2019**  
**University Of Guyana**  
**Georgetown, Guyana**

Limited Numbers - [info@kangariconsulting.com](mailto:info@kangariconsulting.com)



## **Orogenic gold exploration and targeting workshop**

**Event Date:** 8<sup>th</sup> – 10<sup>th</sup> November 2019

**Location:** University of Guyana, Georgetown, Guyana

**CPD:** This course qualifies for CPD points under professional development schemes.

Archean and Proterozoic greenstone belts are host to a significant number of mesothermal ('orogenic') gold. On a global scale, West/ Central African and Finnish greenstone belts, in particular, yield a large resource base and substantial remaining exploration potential. Over the last decades a variety of geological, geophysical and geochemical exploration techniques have been employed to search for and delineate such deposits.

This practical targeting workshop will introduce core exploration techniques, relevant from craton to license area scale, and practice the implementation of these techniques using a state of the art public domain dataset from Finland.

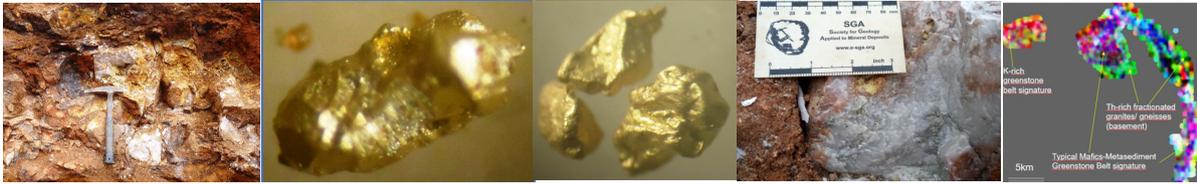
Participants will be equipped with fundamental knowledge in exploration targeting, geophysical and geochemical techniques and will develop key data interrogation skills essential to modern greenfields and brownfields exploration as well as employment and progression in the mining industry.

Participants will be required to bring a laptop, GIS, ioGAS and Datamine Studio RM software. It is recommended to use either QGIS, ArcMap or MapInfo. ioGAS can be downloaded as a demo version for 10 days.

### **Is this workshop for You?**

- Are You an *industry professional* seeking to improve your target generation, geophysical and geochemical interpretation skills? Are You working on similar geological belts and need new ideas to test on your projects?
- Are You a *recent graduate or senior undergraduate*? Are You interested in the mineral exploration or mining industry? Would You like to familiarise with important concepts related to geological aspects mineral exploration? Are You looking for extra skills to show on your CV and cover letter?

Then this workshop will be right for You.



The workshop will cover the following themes:

**Day 1: Fundamentals and dataset familiarisation, 9-17.00**

1. Exploration for orogenic gold in Precambrian greenstone terranes. Ore deposit models and considerations.
2. From craton to exploration license: An overview of exploration techniques used in the search for orogenic gold: geology, geophysics (gravity, magnetics, electromagnetics), geochemistry (surface sampling, QAQC, analytical geochemistry) and drilling.
3. Practical exercise: Structural control of orogenic gold deposits and the use of magnetic surveys.

**Day 2: Practical exploration targeting 9-17.00**

4. Practical targeting exercise applying an integrated geological, geochemical and geophysical approach to the Lapland (Finland) datasets.

**Day 3: Practical drillhole programme management and visualisation 9-17.00**

5. Drill programme management: health & safety, logistics, data management, drill programme planning
6. Practical exercise: drill site setup and health & safety
7. Practical exercise: core logging and pXRF usage
8. Practical exercise: drillhole visualisation in Datamine Studio RM

**Registration fees:**

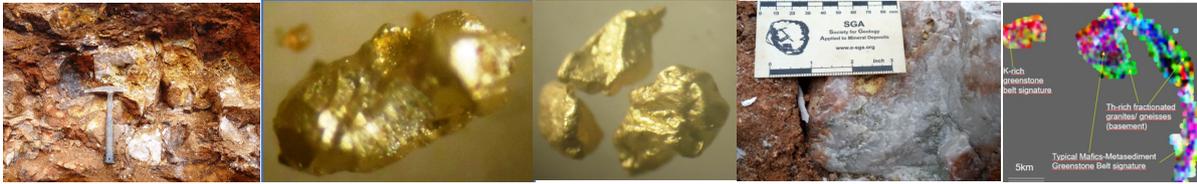
- Industry delegates: US\$ 1,000
- Government of Guyana Employees: US\$ 250

The rates include Lunch, afternoon coffee and soft drinks.

Registration deadline: 1<sup>st</sup> September 2019

Minimum number of (industry) participants: 9

**Contact:** For enquiries and bookings please contact [info@kangariconsulting.com](mailto:info@kangariconsulting.com)



## Your lecturers:



**Benedikt Steiner (ARSM CGeol EurGeol FHEA)** is the MSc Programme Director of Exploration and Mining Geology at the Camborne School of Mines, UK, & a consultant to the mining industry through XPLORE GLOBAL Ltd.

Benedikt started his career in regional petroleum exploration in the Eastern FSU, before moving on to work on Rio Tinto Exploration's uranium & copper exploration projects in Southern Africa, developing best practice. More recently, he carried out projects in France, Rwanda, Sierra Leone and Myanmar.

Benedikt is a published expert in mineral exploration geochemistry and focuses on integrating geochemical with other geoscientific techniques in order to aid exploration targeting.

**Timothy Strong (ACSM FGS MIMMM RSci)**

is an a consultant to the mining industry through Kangari Consulting Limited and Managing Director of Safi Minerals Ltd. a private junior copper explorer in Mauritania.

Tim is a seasoned exploration and resource geologist having worked in 12 countries on 4 continents. Tim has worked for Barrick Gold Corp. Antofagasta & Resolute Mining Limited as well as a plethora of junior explorers on grassroots, brown fields and resource development projects.

Tim is a well renowned geologist whom is often called to audit resource and exploration programs, including for companies such as Rio Tinto and Newmont Goldcorp.

Tim is an expert in exploration management, planning and resource definition programs.

