



6th SGA-SEG-UNESCO-IUGS Short Course on African Metallogeny

GOLD DEPOSITS from exploration to mining

to be held in

**Yamoussoukro, Ivory Coast, 28th
October – 1st November 2019**

organized by

*Society for Geology Applied to
Mineral Deposits (SGA)*

in cooperation with

INP HB, Yamoussoukro

*Université Félix Houphouët-Boigny,
Abidjan*

RH Excellence Afrique, Abidjan

IRD, Toulouse, France

Université Paris Saclay (GEOPS)

Ivory Coast owns the largest area of gold prospective greenstones (Birimian) in West Africa. At present, Ivory Coast is getting one of the most productive countries for gold mining in Africa. Production roughly increased twofold between 2013 and 2015 from 13 t to 23.5 t of Au.

The 6th short SGA short course on Gold **comprises** 5 days (2,5 lectures and 2 days excursion). It will be held at the Institut National Polytechnique Félix Houphouët-Boigny, Yamassoukro about 3h north of Abidjan.

Fees

Lectures: Industries: 900 €;

Government/academia 400 €; *Students* 300 €

Field Trip: *Industrie:* 700 €;

Government/academia 200 €; *Students* 100 €

Costs for travel to and from Abidjan, accommodation, breakfast and dinner are excluded. Students and young researchers can request a grant. Grant application is available on the SGA website).

Program

Monday Day 1: travel to Yamoussoukro

- Welcome
- Introduction to the geology and metallogeny of Ivory Coast (*Lionel Boya*)
- Metallogeny of Gold deposits (*Jochen Kolb*)
- Gold deposits in Ivory Coast (*Alain Kouamelan or Ycouba Coulibaly*)
- Geodynamics and Metallogeny of the West African Craton and Structural control of Gold deposits (*Lenka Baratoux*)

Tuesday Day 2 Gold Exploration

- Mineralogy of Gold deposits, footprints and vector minerals (*Stéphane Perrouty*).
- Out of the silos - the role of smart adaptive cross discipline exploration (*Peter Williams*)
- The roles of geophysics from crystal to prospect scale in large scale gold deposits (*Peter Williams*)
- Sonic drilling & on-line-on-mine-real-time analyses: on-line geometallurgy to increase resource efficiency (*Beate Orberger*)

Wednesday: Day 3

- Portable instruments, multi-scale analyses of the distribution of chemical elements exploration (*David Baratoux*)
- Exploration modelling (*Stéphane Perrouty*)
- Conclusions

Thursday Day 4 & Friday Day 5

- Excursions -field work
- Friday afternoon: Departure to Abidja

CONTACT and INSCRIPTION:

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LECTURERS



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Beate ORBERGER:
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Stéphane PERROUTY:
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Peter WILLIAMS has
livelong experience in
exploration geophysics
in Australian mining
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at School of Mines,
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