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 Abidjan
**LENKARTH BARATOUX:** Researcher at IRD, Toulouse, LMI Minerwa, France.

**David BARATOUX:** Senior research at IRD, Toulouse, LMI Minerwa, France.

**Lionel BOYA:** Research Professor at Université Félix Houphouët-Boigny, consultant at GEORECO.

**Stéphane PERROUTY:** Assistant Professor in the Mineral Exploration Research Center, Laurentian University, Canada.

**Peter WILLIAMS** has lifelong experience in exploration geophysics in Australian mining companies, lecturing at School of Mines, Curtin University, WA; ENAG (France).

**Beate ORBERGER:** Associate Professor at the University of Paris Sud, president of Catura Geoprojects, France.

**Jochen KOLB:** Professor at Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany.

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**Sponsors**

- IUGS
- Perseus Mining
- Geodrill
- Eijkelkamp
- SEG
- CRPG (CNRS/Université de Lorraine)
- BGR (Bundesanstalt für Geowissenschaften und Rohstoffe)