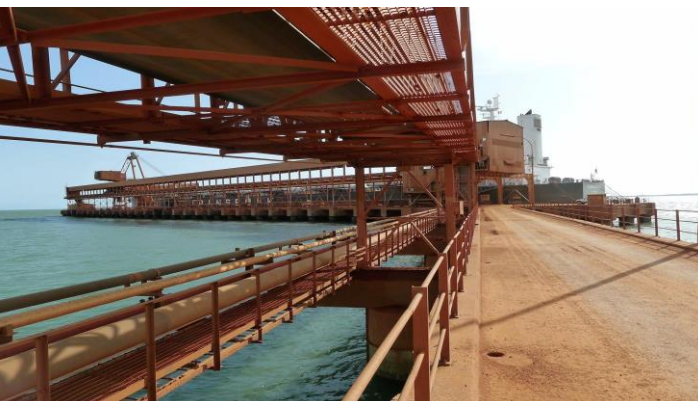




GUINEA: A TOP MINING DESTINATION

*Ministry of Mines and Geology
Republic of Guinea*

September 2019



SUMMARY

- 1. Overview of Guinea's mineral potential**
- 2. Main reforms**
- 3. Unprecedented mining investments**
- 4. Beyond mining opportunities**
- 5. Strengthening the national economy**
- 6. Challenges**



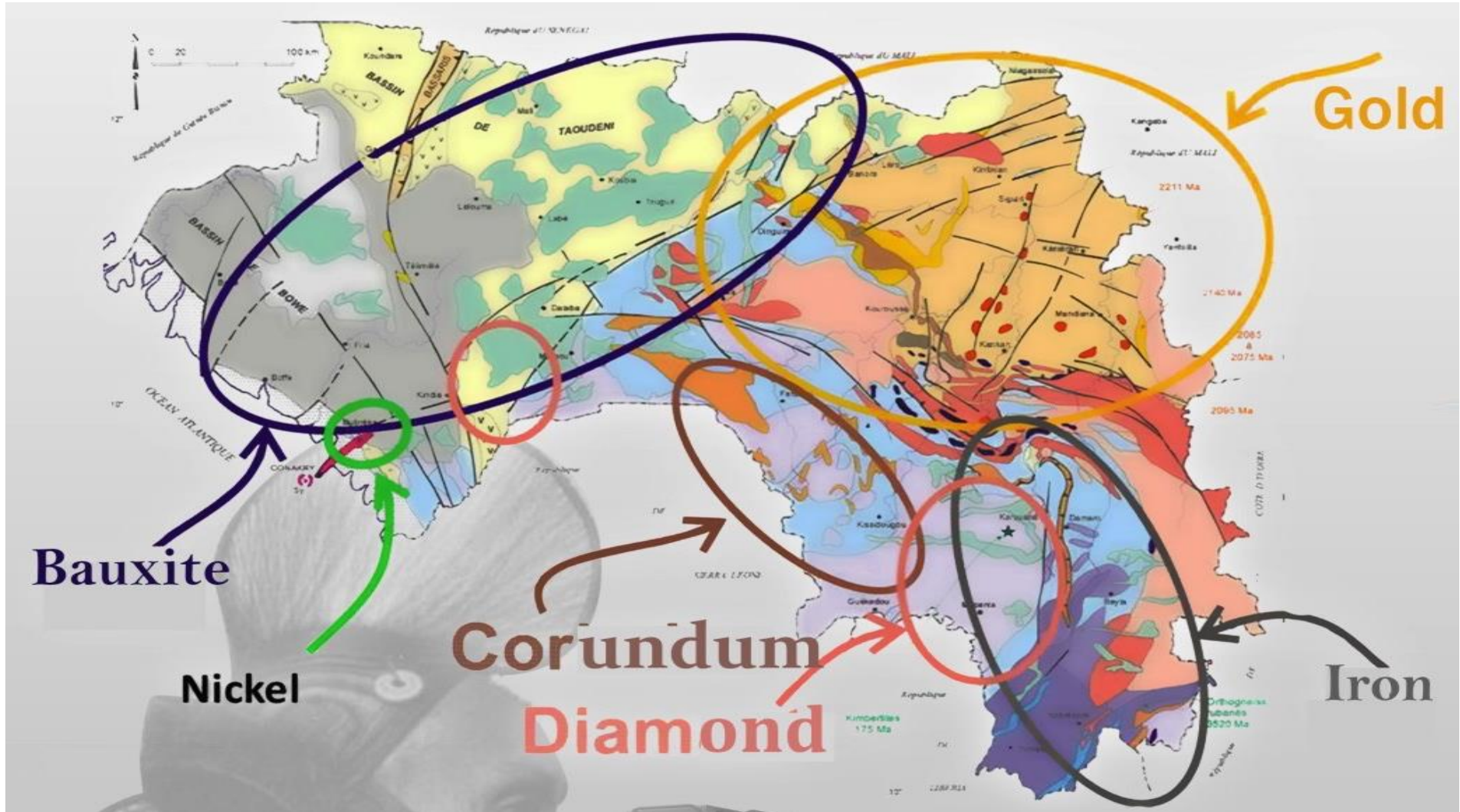
1. Overview of Guinea's mineral potential

World class deposits



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

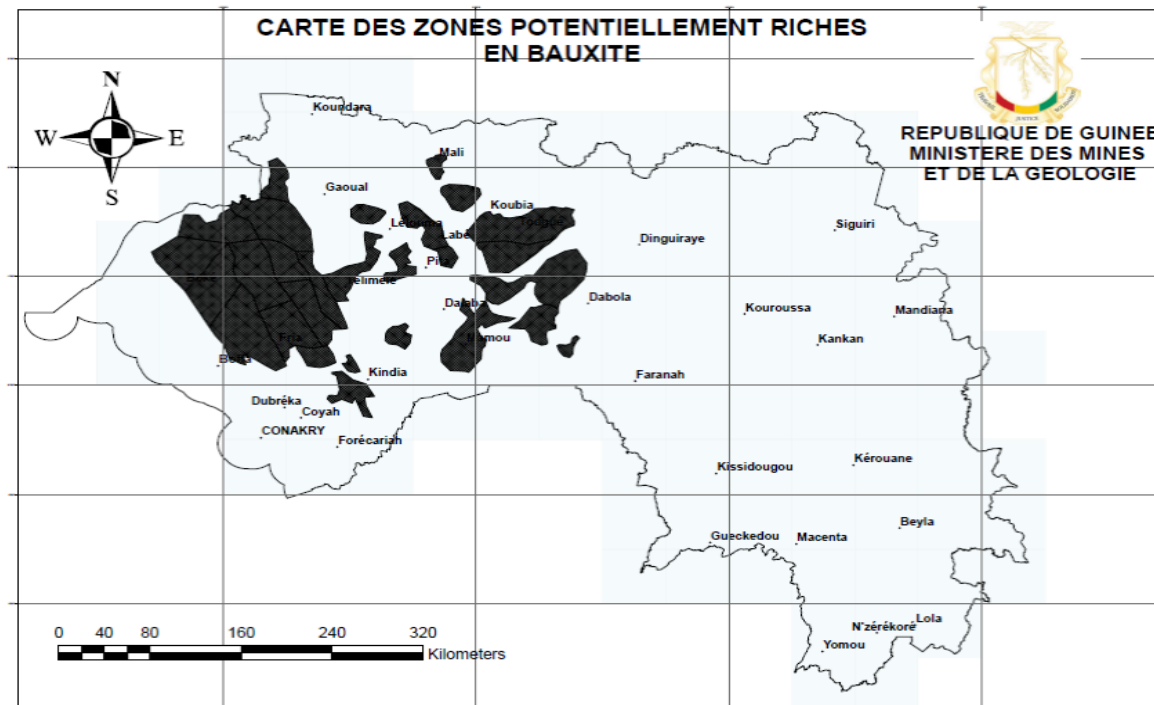
A large Potential to Unlock. World-class Deposits



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

BAUXITE

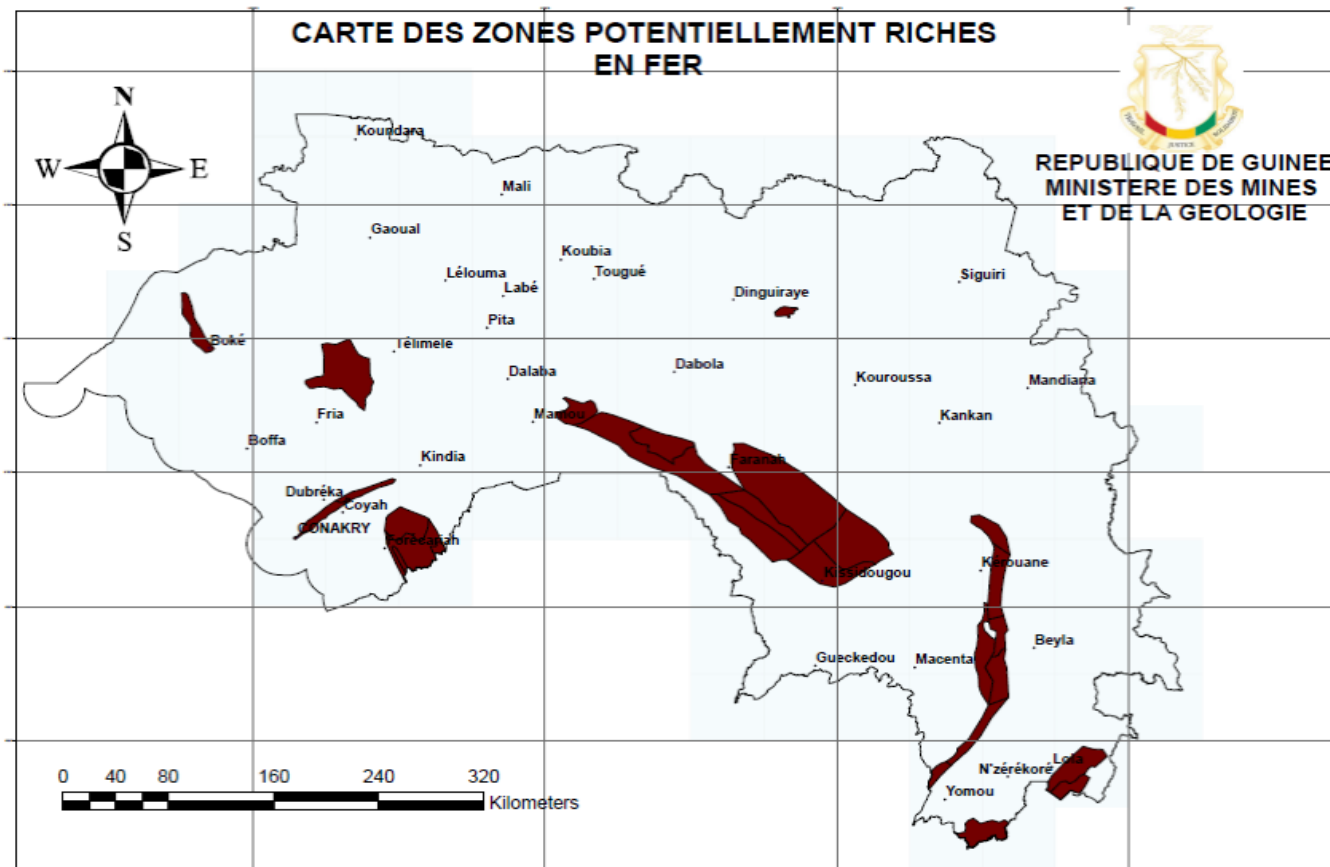
- Guinea holds the world's largest deposits; resources are estimated to be 40 billion tons, with a grade higher than 40%;
- Bauxite deposits do not require complex extraction techniques; extraction costs are relatively low.



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

IRON ORE

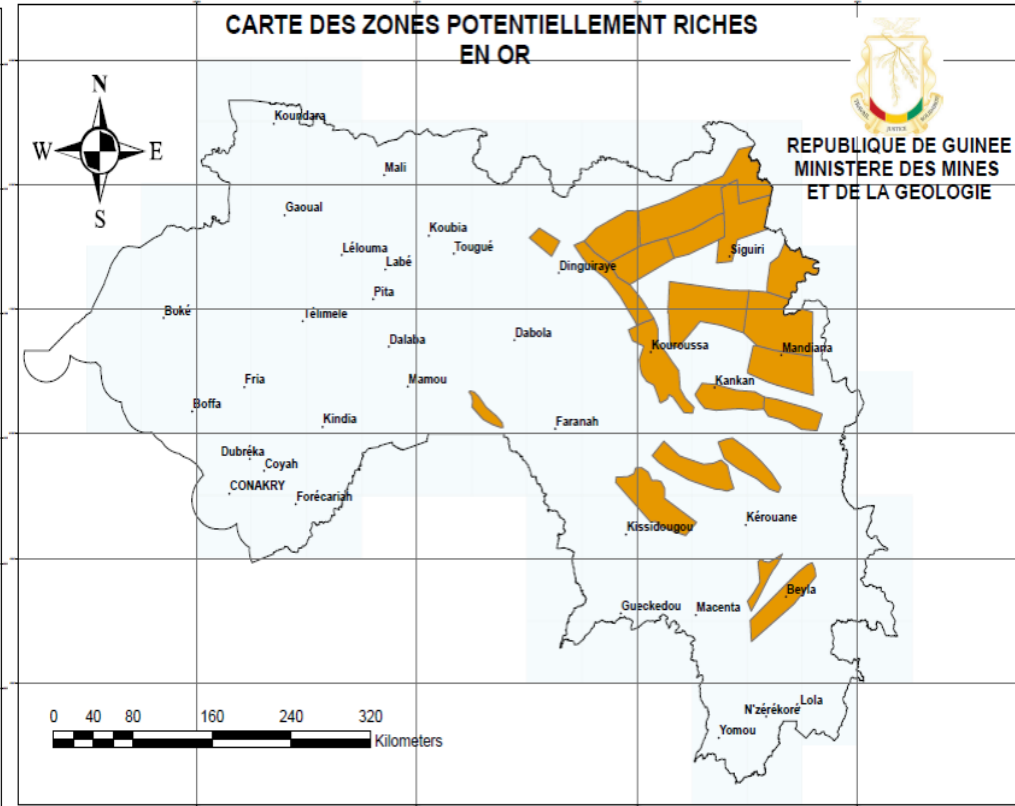
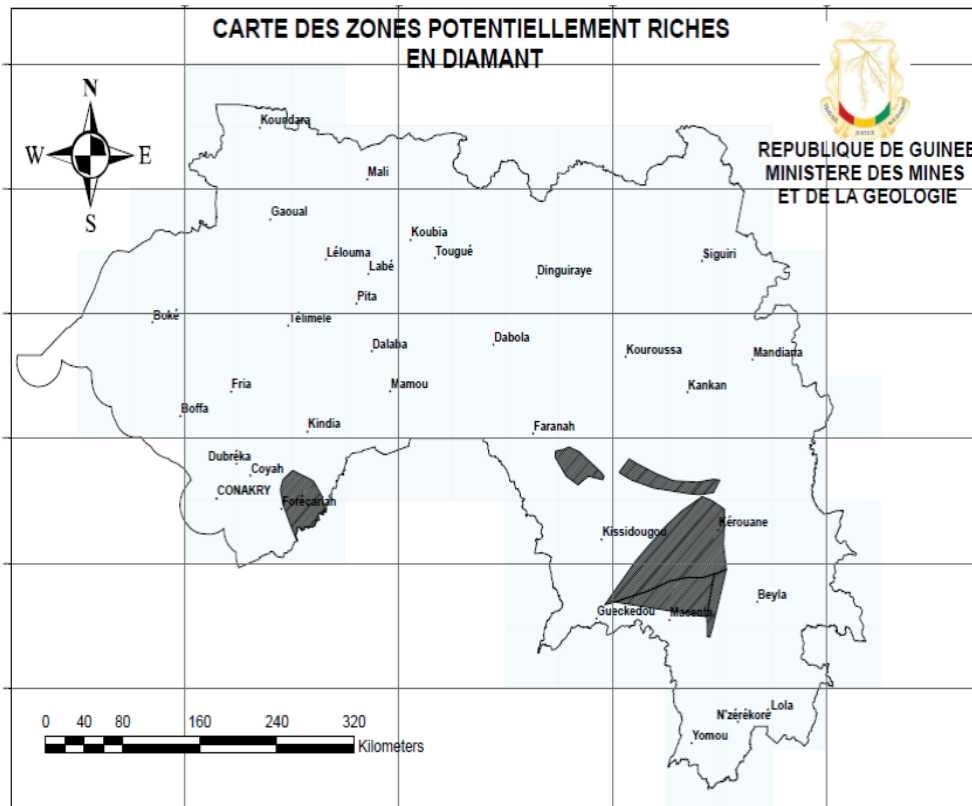
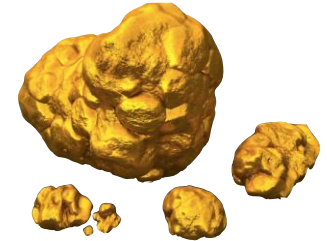
Guinea has the largest and best untapped iron ore deposits in the world; 20 billion tons of the world-class reserves (high grade: more than 60%): Simandou, Nimba, Zogota, etc.



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

GOLD & DIAMOND

- 30 million carats and more than 700t of gold;
- Primary and Secondary Deposits
- The Birimian gold belt and the diamond triangle have yet to unlock their full potential

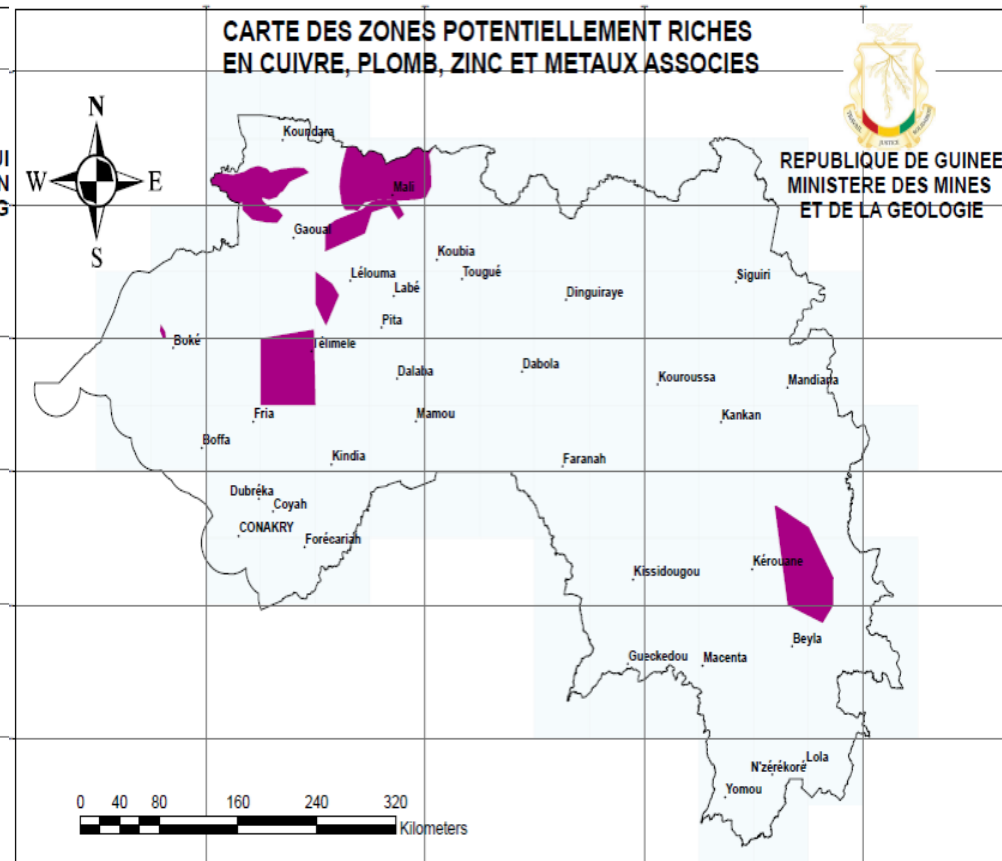
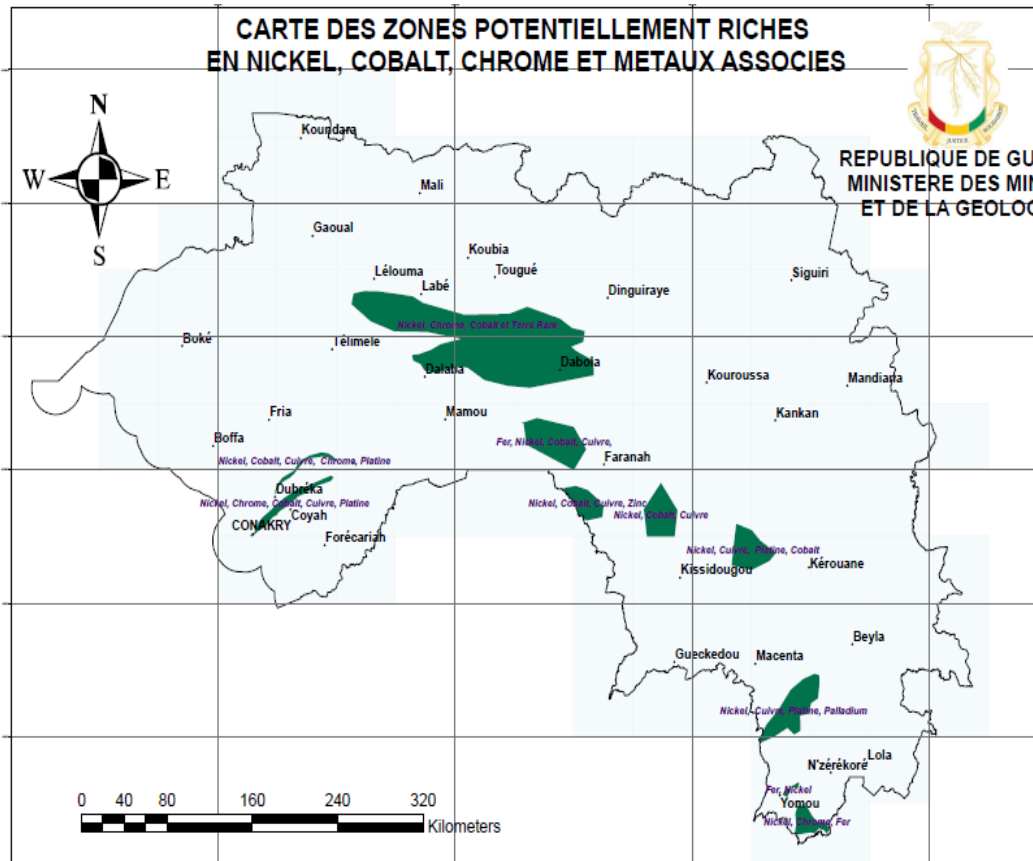


1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

BASE METALS

Nickel, Cobalt, Copper, Lead, Zinc, Chromium and related metals.

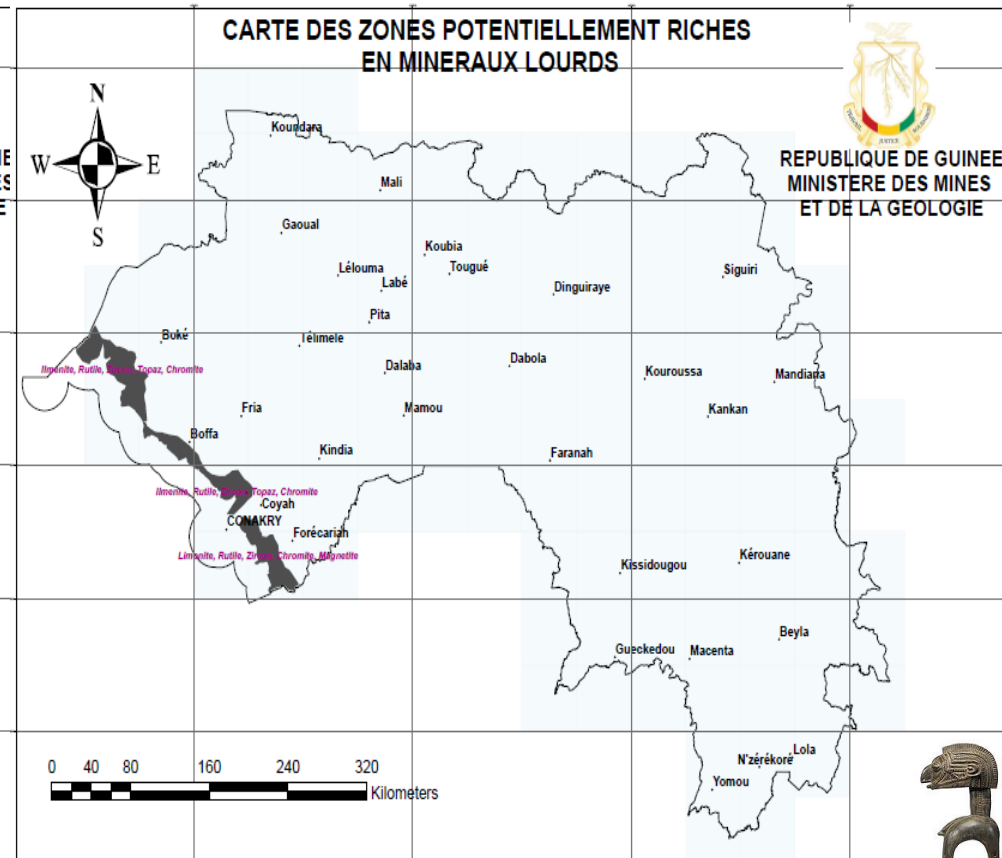
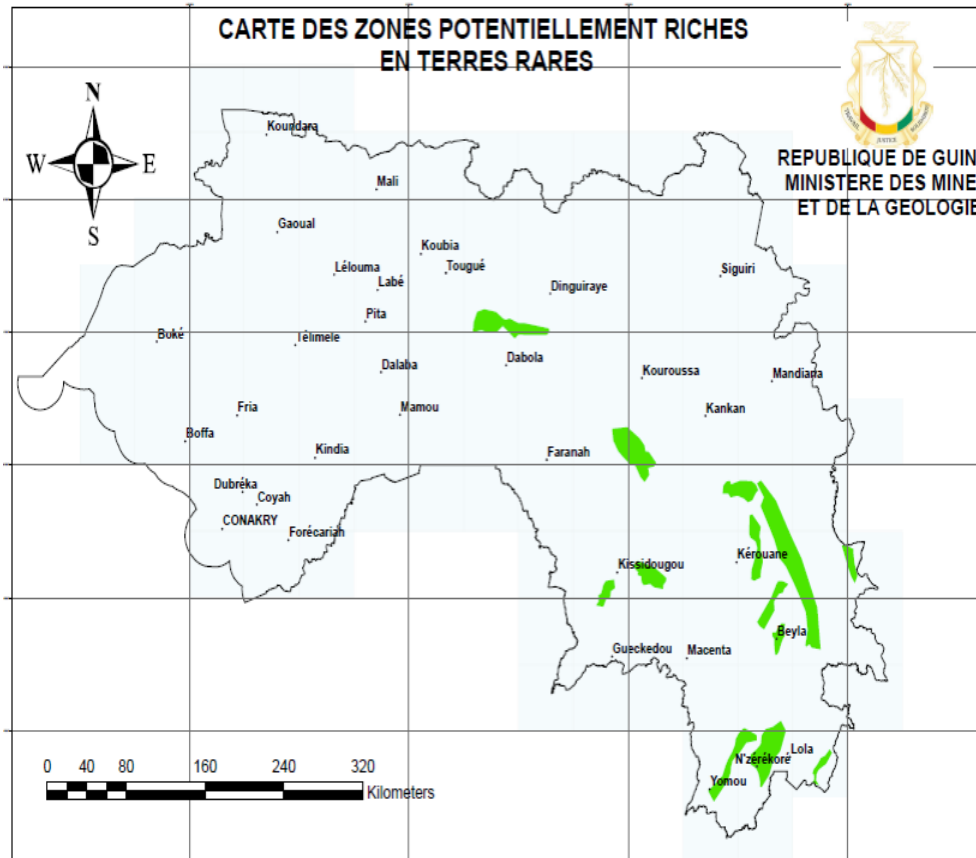
- Prospective zones in the Kakoulima mountains, Koundara, Boffa, Kissidougou-Faranah...



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

RARE EARTH & HEAVY MINERALS

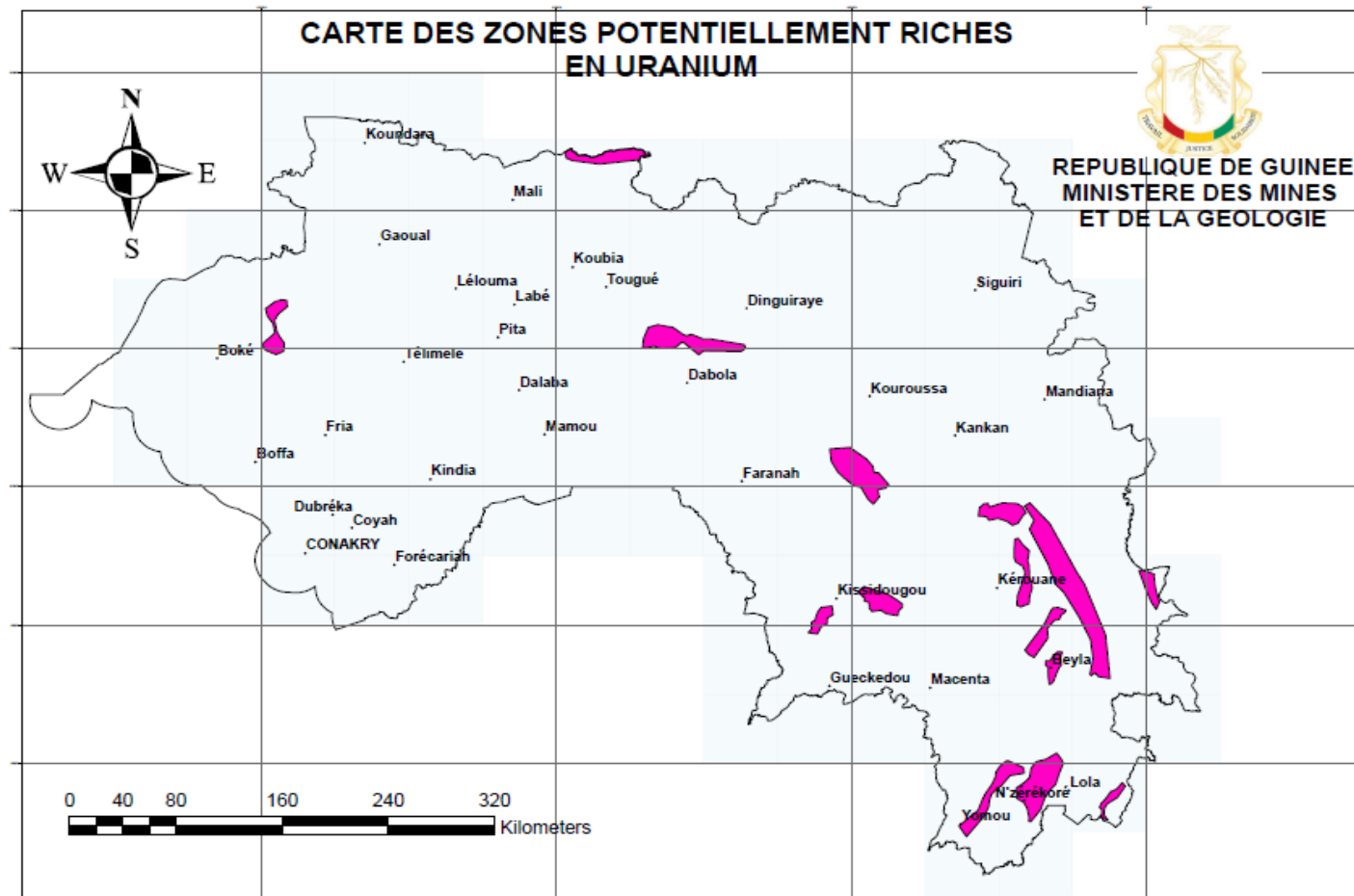
- Major occurrences of **rare earths** found by geologists in many areas of Guinea particularly in Macenta, Kissidougou and Kérouané;
- Tremendous **mineral sands** potential on the costal line: Ilmenite, rutile, zircon...



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

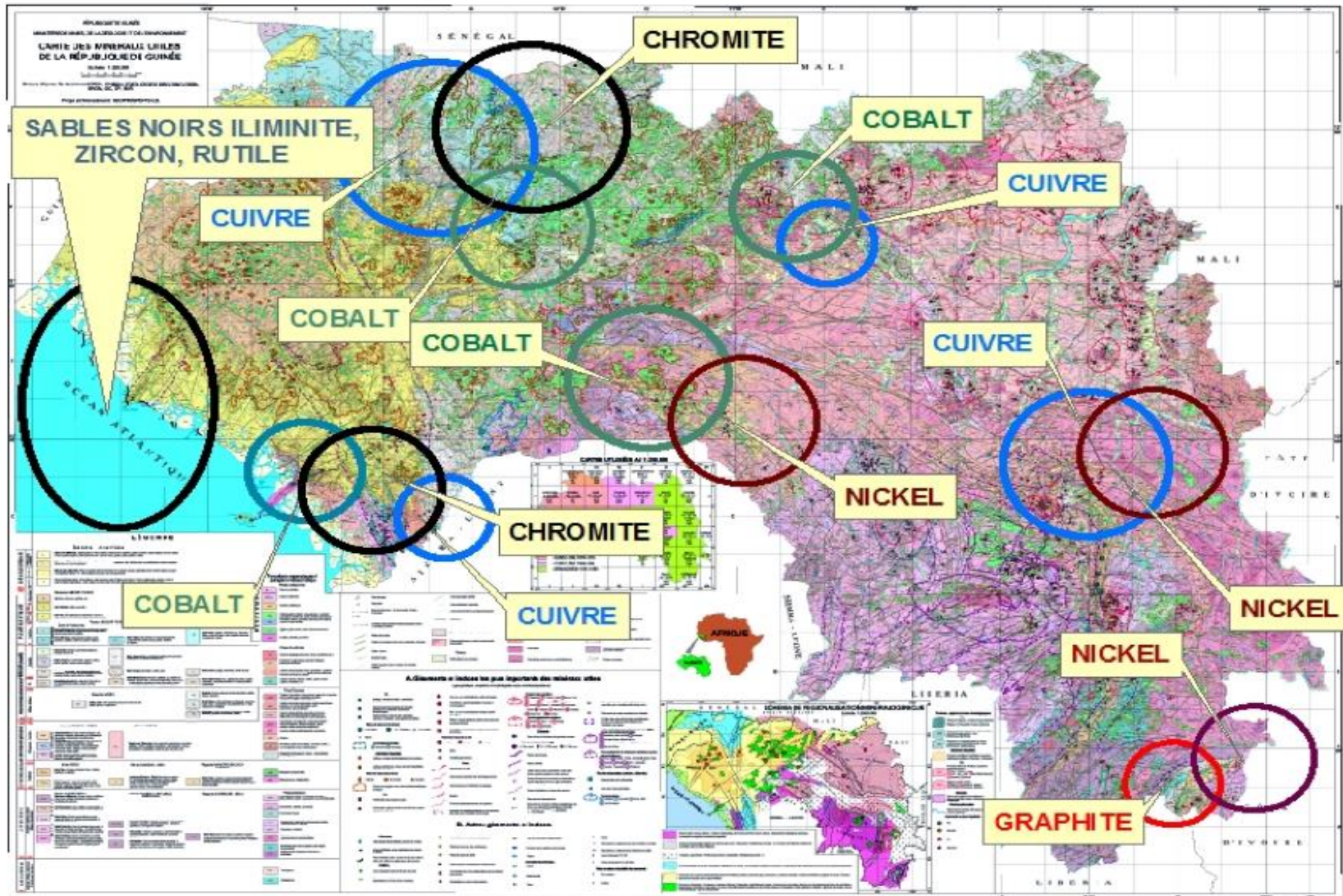
URANIUM

- Many areas with very good prospects for uranium mineralization : Kissidougou, Kérouané, Dabola, N'Zérékoré, Lola.



1. OVERVIEW OF GUINEA'S MINERAL POTENTIAL

OTHER RESOURCES



2. Main reforms

One of the top reformers in Africa



2. MAIN REFORMS

TOWARDS THE ACCELERATED DEVELOPMENT OF GUINEA

Strong improvement of the business environment

Including progress in the Doing Business rankings and the Mo Ibrahim Index.

Net increase in electricity production

Inauguration of the Kaleta dam (2015), launch of work on the Souapiti dam, solar energy, rehabilitation and modernization of the transmission and distribution of the electricity network.

Formation of a government of experts

to support the post-Ebola economic recovery and job creation.

Installation of fiber optics and improved access to ICT.

Strengthening democracy

Presidential elections (2010, 2015), parliamentary elections (2013), municipal and community elections (scheduled for 2016).

Establishment of the main republican institutions

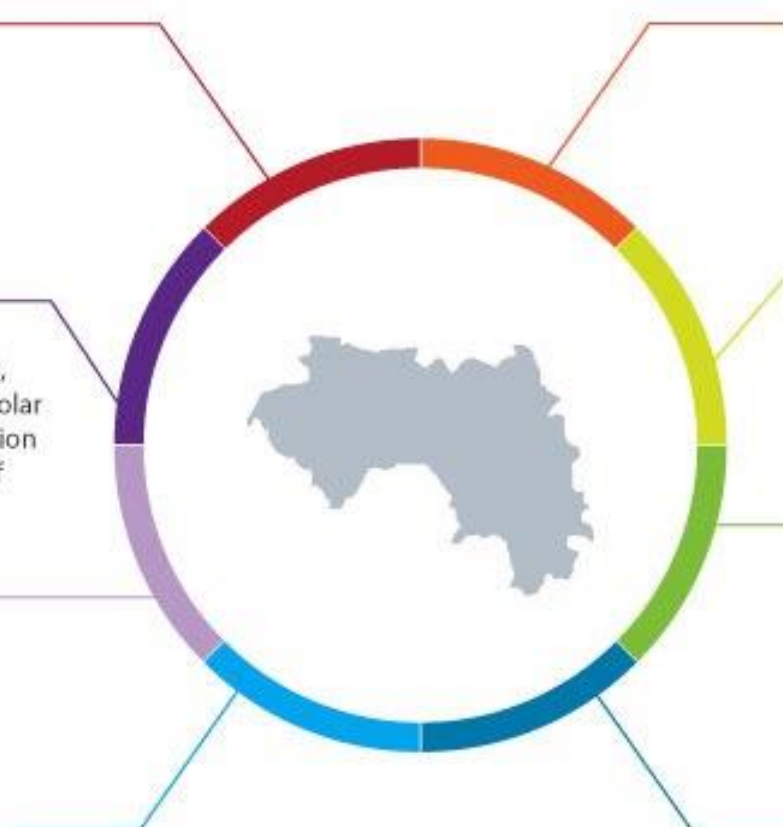
The Constitutional Court, the High Judicial Council and the Court of Auditors.

Economic stability

Debt cancellation, macroeconomic reforms, control of inflation, improving the international balance of payments, foreign exchange reserves.

Opening of Guinea

to massive, high-quality foreign investment.



2 . MAIN REFORMS

Since the election of President Alpha CONDE in 2010, unprecedented reforms have made Guinea one of the best destinations for mining investments in Africa:

- **Adoption of the new mining code** in 2011 and amended in 2013 with incentives for investment, guarantees the state's mineral revenues and incorporates important innovations including environmental protection and anti-corruption measures
- **Adoption in 2014 of a shared use of mine related infrastructure policy** with a master plan for mining ancillary infrastructures
- **Creation in 2016 of a One-stop Shop** to facilitate and speed up administrative procedures for obtaining permits and authorizations for integrated mining projects
- **Modernization of the Mining Cadastre** (www.guinee.cadastreminier.org)
- **Compliance to the Extractive Industries Transparency Initiative since 2014**
- **Adoption in 2017 of a Corporate Social Responsibility (including environmental, social, financial, HSE aspects) and Local Content Policy**



3. Unprecedented mining investments

A regional leader



3. UNPRECEDENTED MINING INVESTMENTS

A rapidly changing mining sector

Since 2011, over **\$3.6 billion USD** have been invested in mining. In addition, more than **\$7 billion USD** are expected to be invested by 2025.

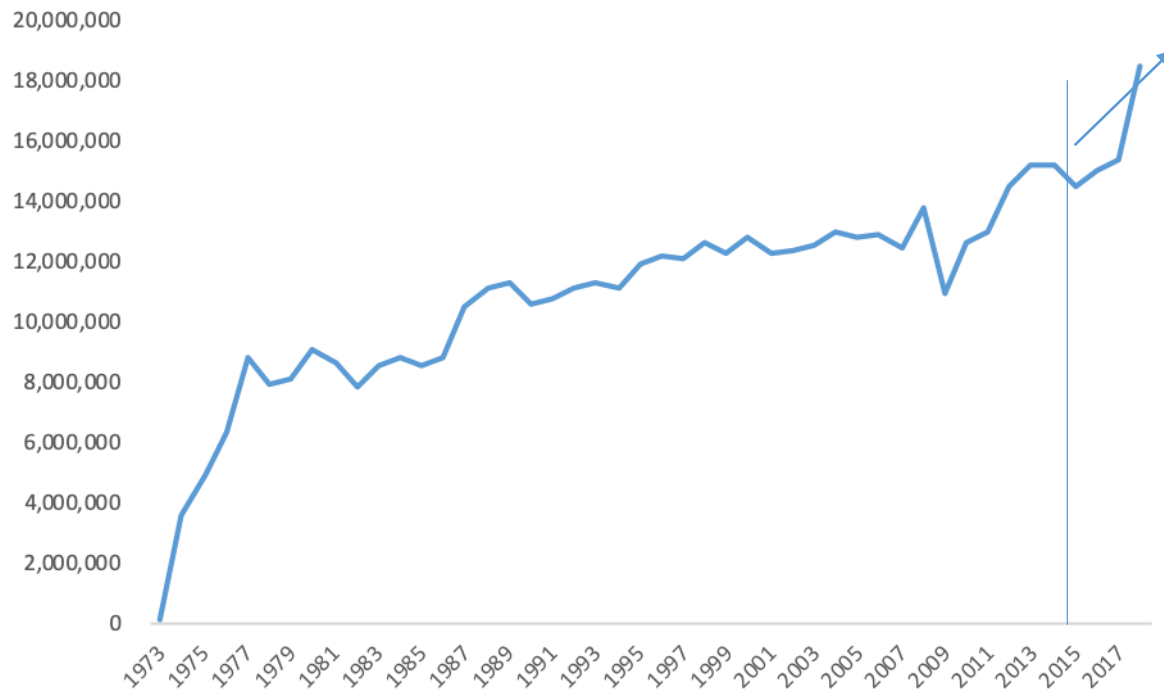
- Substantial increase in bauxite production (from **18 million tons** in 2010 to **60 million tons** in 2018)
- making Guinea the 3rd largest bauxite in the world
- Over **17 000 direct jobs**, and **50 000 indirect jobs** have been created
- 11 active industrial mining operations in 2018 compared to 6 in 2010
- **New corridors** along **new railway projects** are being developed in previously landlocked areas.
- Guinea ranked among to **top five reformers** in the world (World Bank) in 2017



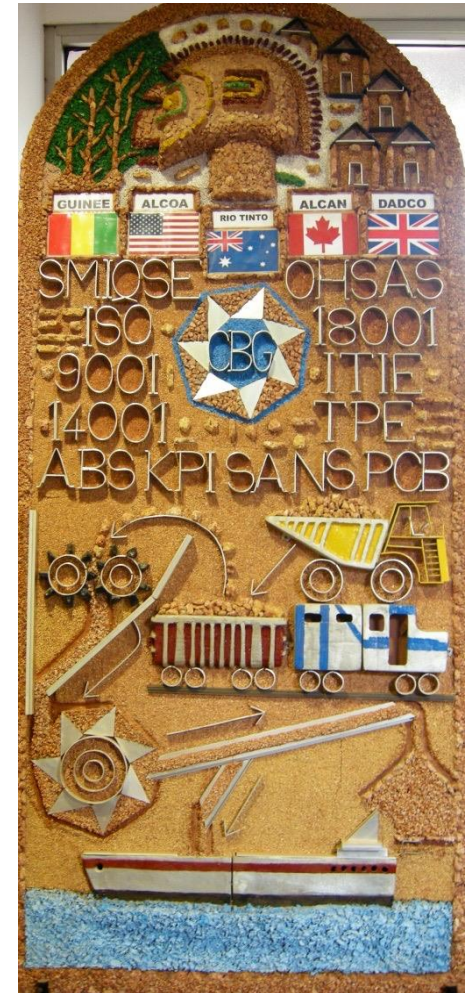
3. UNPRECEDENTED MINING INVESTMENTS

Guinea and Alcoa, a win-win relationship of more than 40 years

CBG has consistently delivered stable and improving sales volumes throughout Guinea's history.

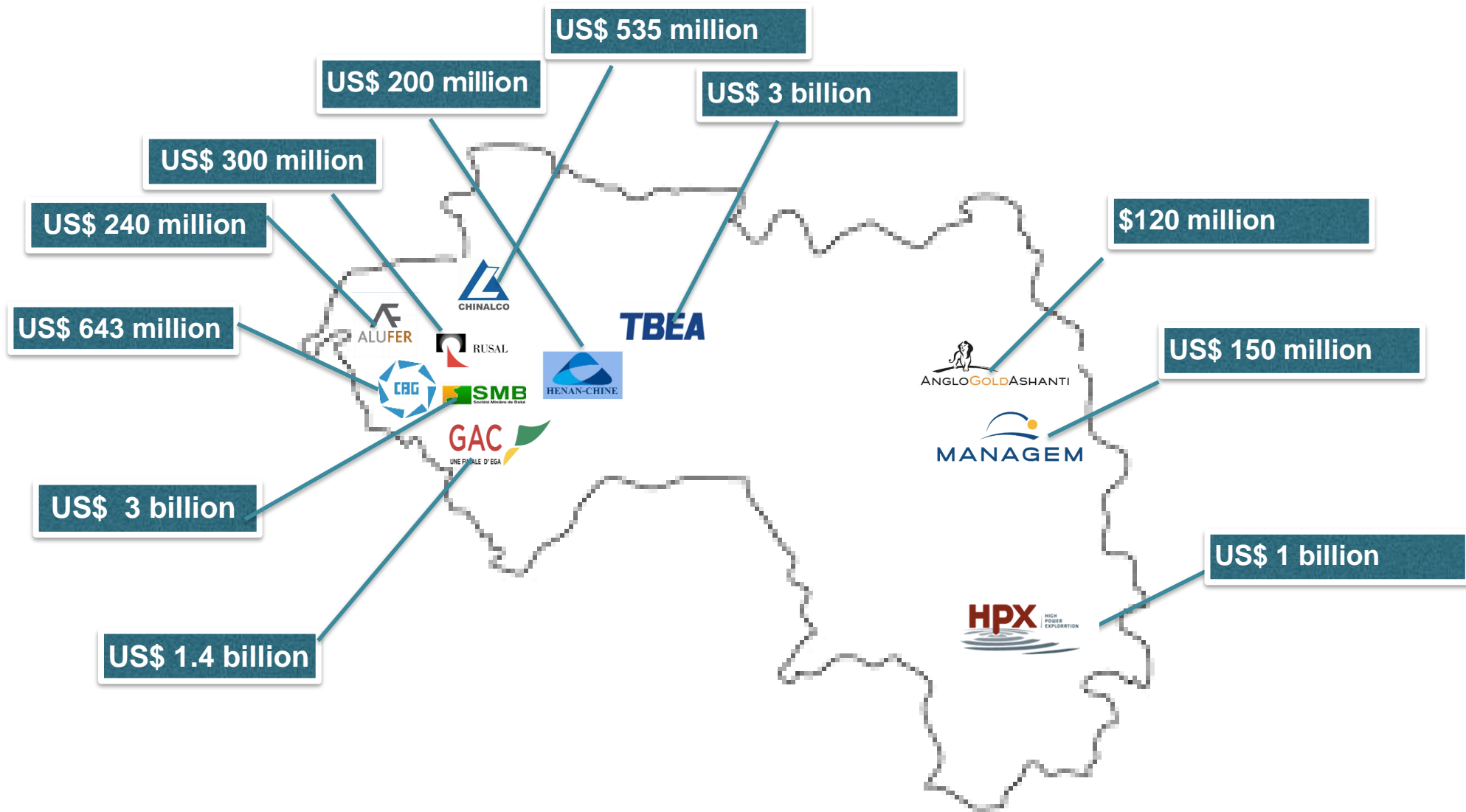


GoG with his American partner ALCOA shows an impressive track record since its first production, 40 years ago



3. UNPRECEDENTED MINING INVESTMENTS

Current projects



3. UNPRECEDENTED MINING INVESTMENTS

World-renowned companies are investing in Guinea



3. UNPRECEDENTED MINING INVESTMENTS

With world-renowned financial institutions



UNITED LOAN GUARANTEE (UFG GERMANY)



BNP PARIBAS



CHINA EXIM BANK
THE EXPORT-IMPORT BANK OF CHINA



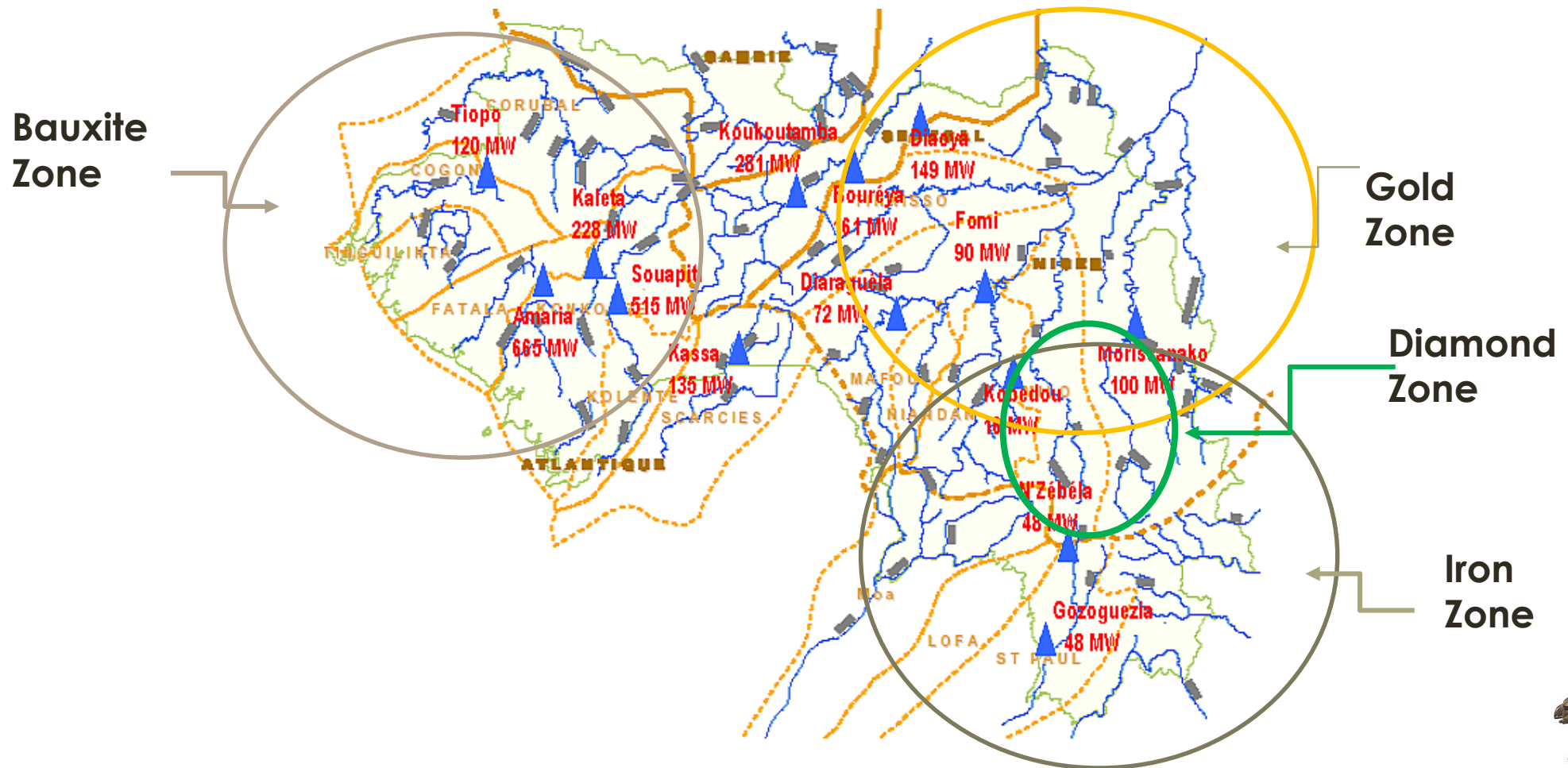
4. Beyond mining opportunities

Immediate opportunities

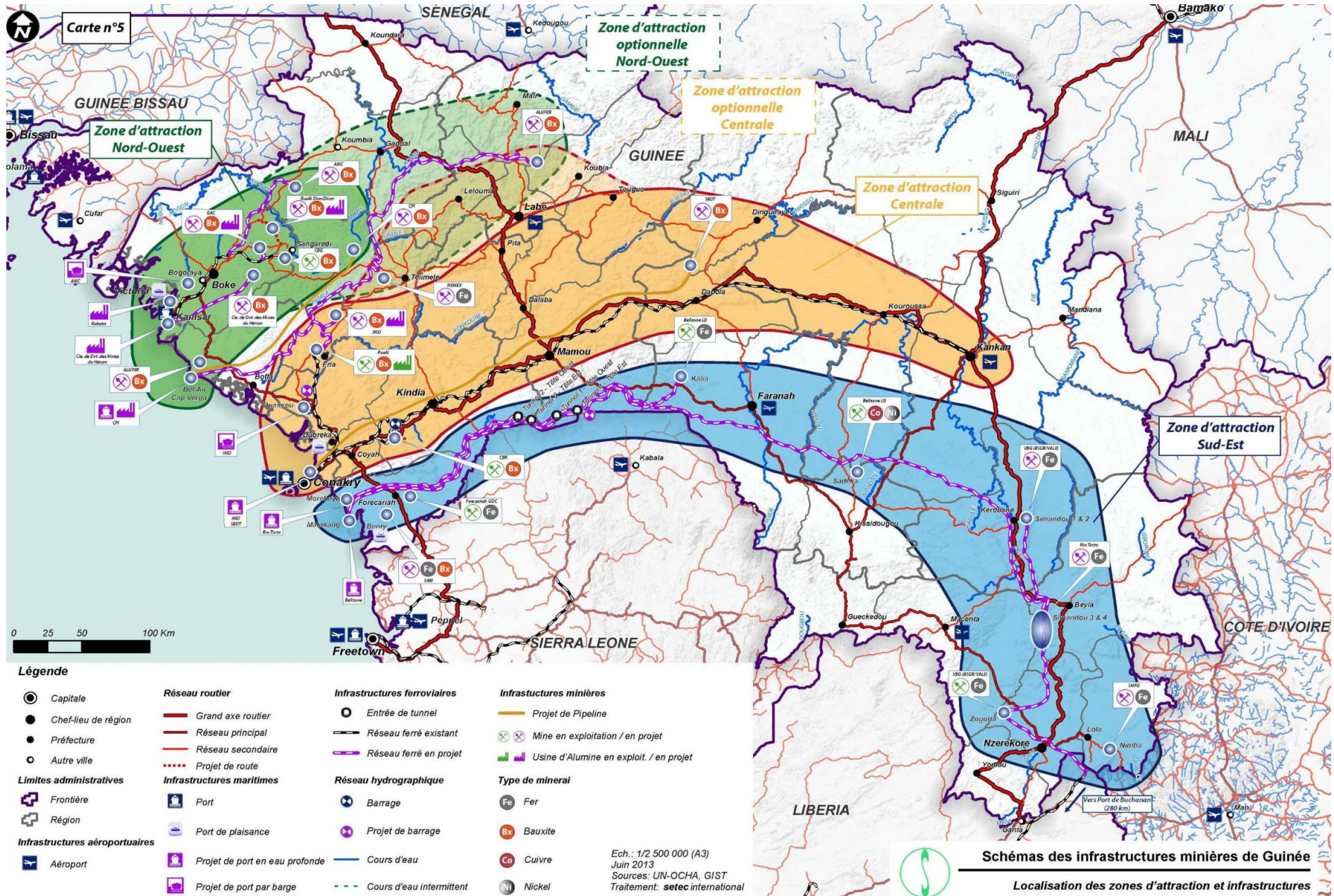


4. BEYOND MINING OPPORTUNITIES: MINING AND ENERGY

Guinea, as the water tower of West Africa, has a **great potential for hydroelectric power** that may help process some of the mining products, such as bauxite into alumina and supply the sub region.



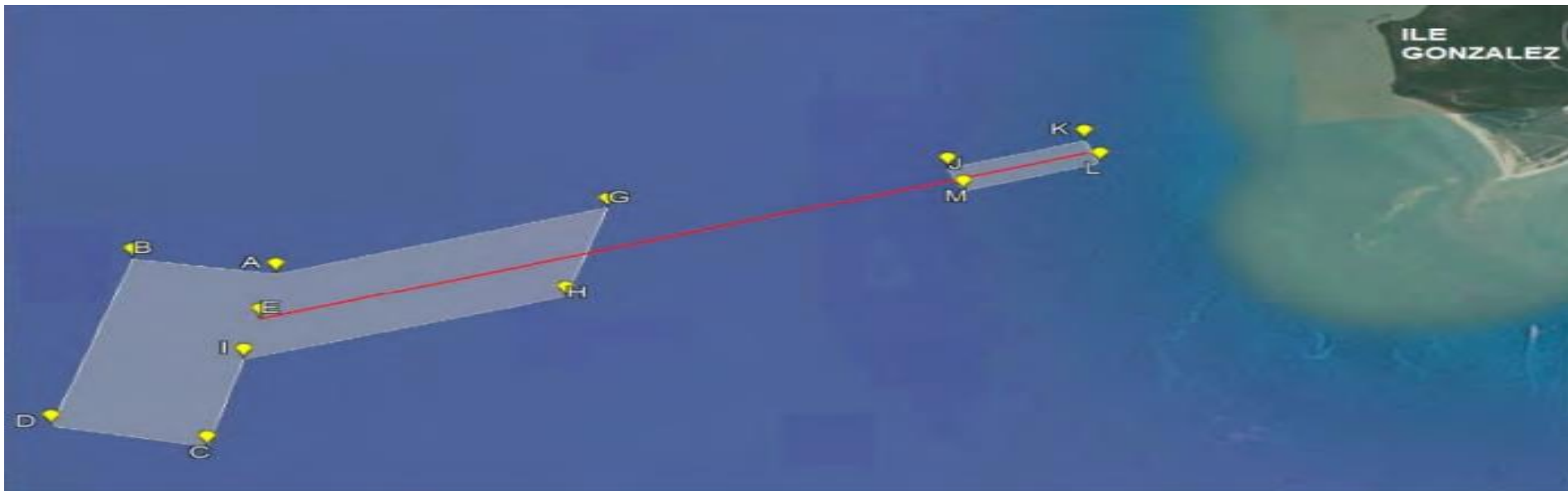
4. BEYOND MINING OPPORTUNITIES: MINING INFRASTRUCTURE



4. BEYOND MINING OPPORTUNITIES: GONZALEZ'S PORT PROJECT

The reasons for the project

- Mining activities are booming along the northern corridor
- Important tool for regional planning and infrastructure-sharing with regards of the development of mining activity
- The principle of a deep-sea port is a major challenge for the competitiveness of Guinea's mining industry,



4. BEYOND MINING OPPORTUNITIES: GONZALEZ'S PORT PROJECT

Phase 1- Pre-feasibility

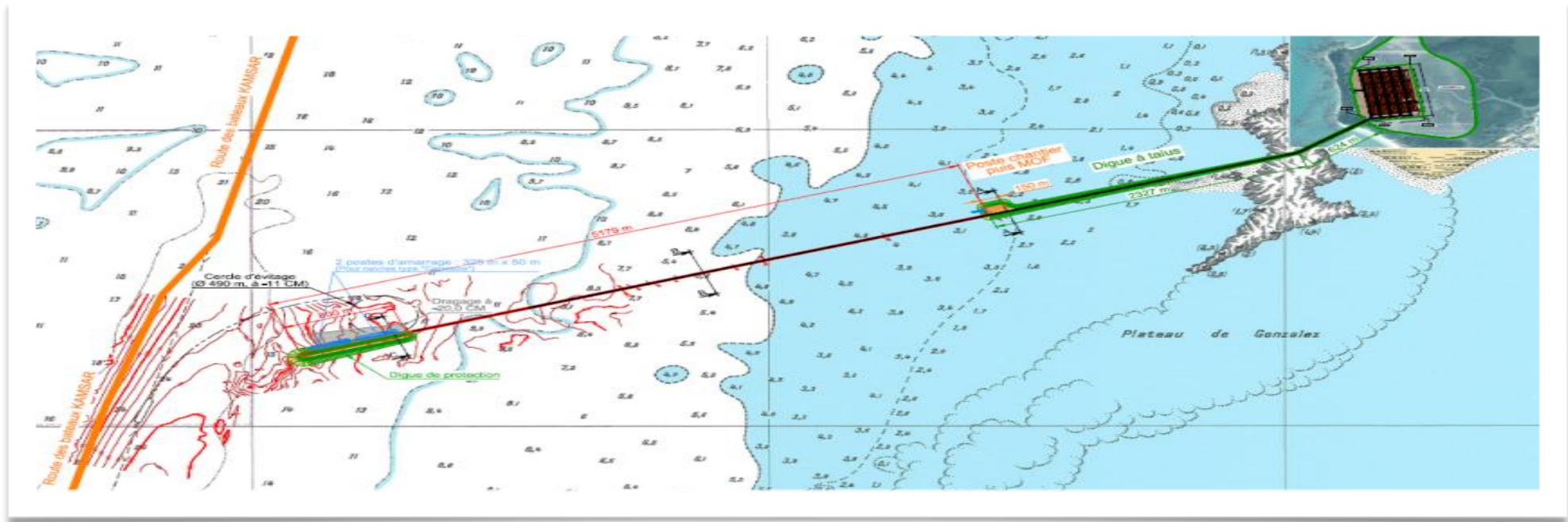
- The main goal: to remove the uncertainties that could prevent the feasibility of the project
- Define the natural conditions of the site: (Geology, bathymetry, Wind, Swell)

Phase 2- Feasibility

The objective of this second phase is to specify the project, its constraints and its cost.

Specify the natural conditions:

Deadlines for studies: 6 months



5. Strengthening the national economy

Building a robust economy



5. STRENGTHENING THE NATIONAL ECONOMY

The size of the Guinean economy has more than doubled over the past decade :

- Guinea's GDP grew from \$4.74 billion USD in 2010 to \$10.49 billion USD 2017;
- State revenues from mining have more than triple: from less than \$150 million USD in 2012 to close to \$500 million USD in 2017 (EITI);
- Mining projects have also helped boost many sectors of the economy including agriculture, transports, technology etc;
- Guinea received \$21bn USD pledges to fund it's Five-year (2016-2020) development plan in November 2017



6. Remaining challenges

Taking up the challenges



6. REMAINING CHALLENGES

- **Infrastructure** (Energy and Transport): to reduce the cost of mining projects.
- **Capacity building**: to support, manage and control projects;
- **Impact of mining projects**: economic, social and environmental;
- **Local transformation** of minerals into higher value products;
- **Geological Survey**: to increase knowledge, diversify the economy and make a better use of the geographical space;

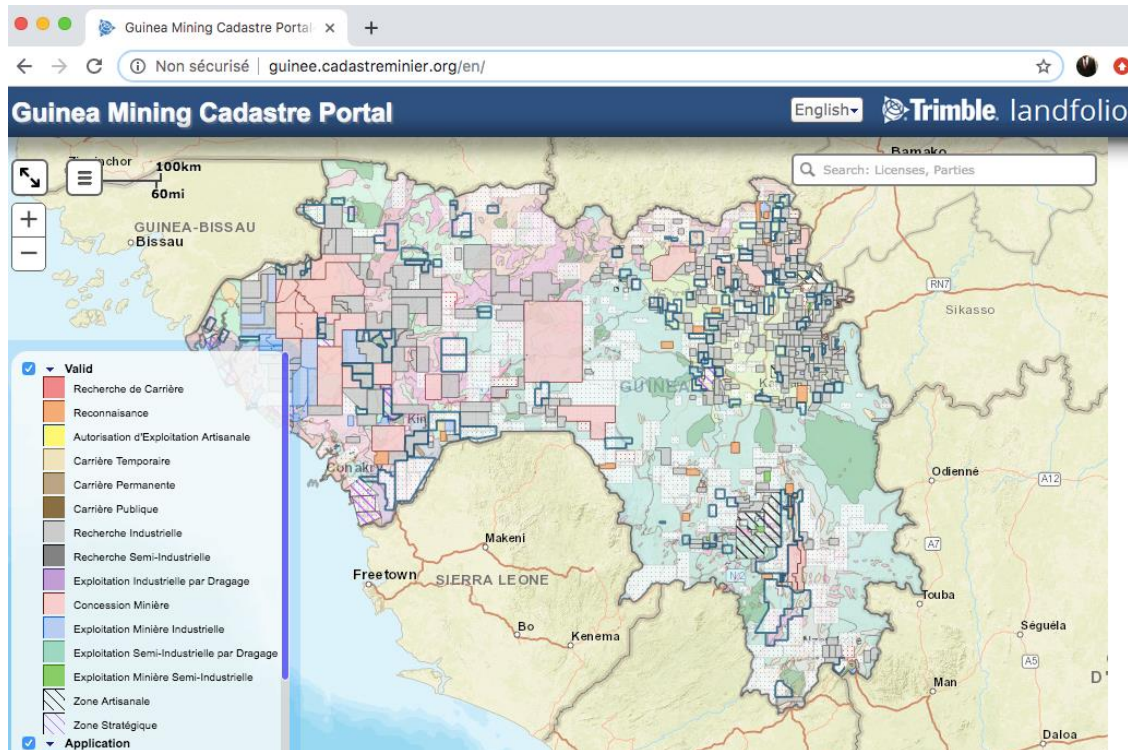


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THANK YOU