



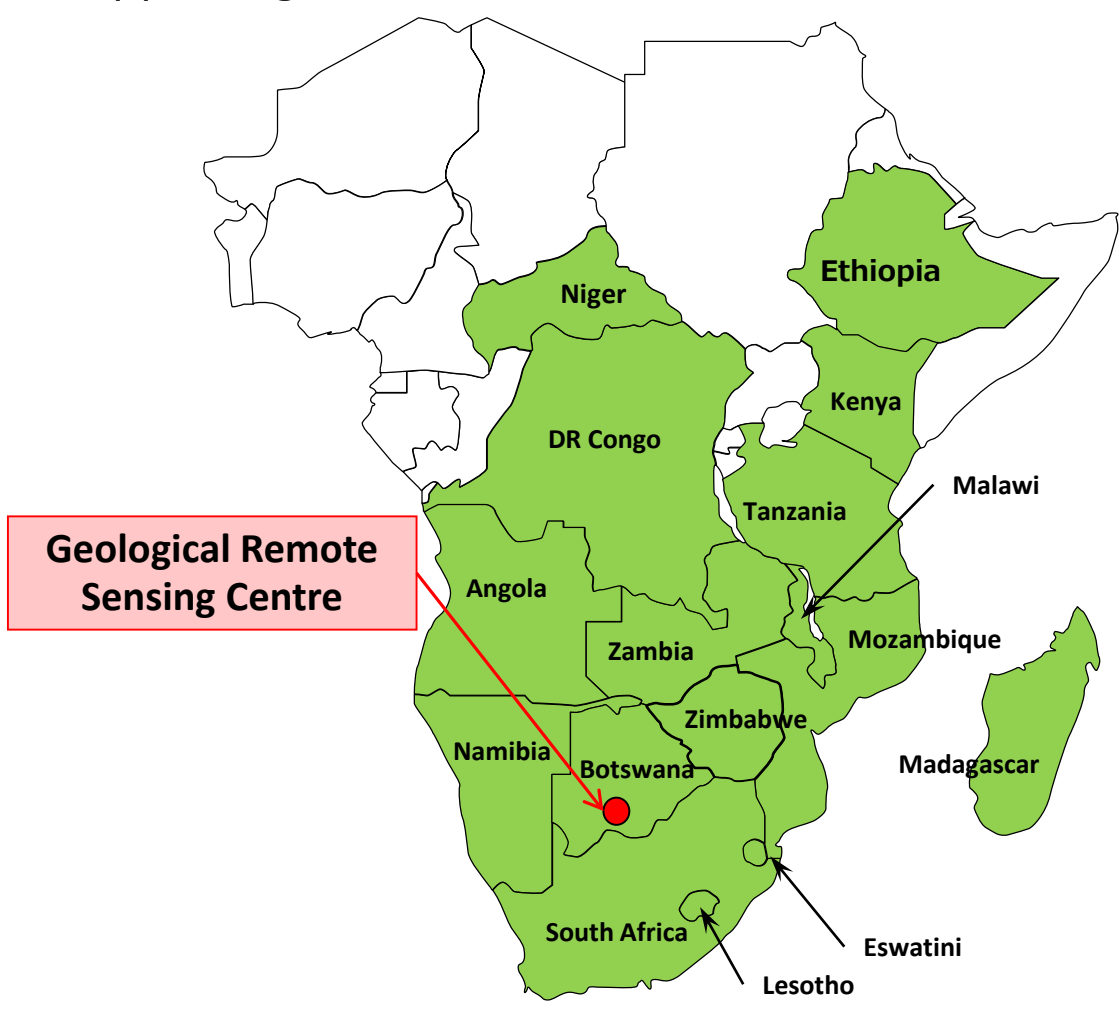
JOGMEC Activities in Africa

Japan Organization for Metals and Energy Security

Geological Remote Sensing Centre in Botswana

- JOGMEC has conducted technical transferring of remote sensing and satellite image analysis for geological survey, and jointly conducted field surveys to select areas of interest for mineral exploration through Geologic Remote Sensing Centre.
- Established in July 2008. Cooperated with/Supported sixteen countries mainly of SADC.
- Holding seminars to develop human resources. More than a hundred participants join each seminar from African countries, and to date, HR development has been provided to a total 2,229 of people.
 - 41 of whom acquired techniques to become capable of providing training as the instructor regarding exploring and evaluating mineral resources by using techniques such as satellite image analysis. And 2 of the 41 became capable of providing training for the instructor.
- To support ESGs and sustainable growth in African countries, JOGMEC is working on assisting monitoring mining related environment using remote sensing technology.

<Supporting countries >

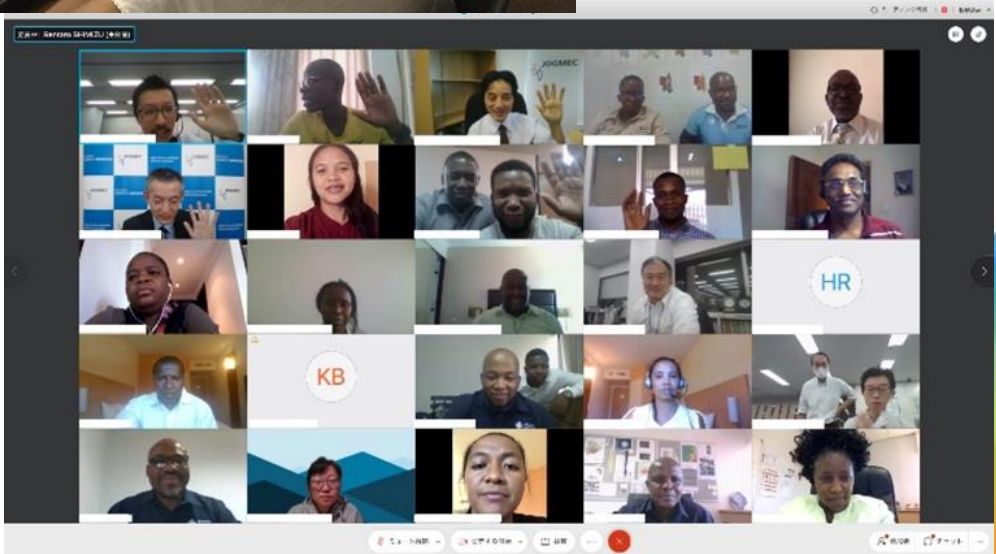


HR Development achievements (as of March, 2023)	
South Africa (113)	Botswana (423)
Zambia (146)	Mozambique (163)
Namibia (196)	Malawi (201)
Angola (105)	Tanzania(165)
Lesotho (129)	DR Congo (107)
Eswatini (132)	Madagascar (153)
Zimbabwe (150)	Niger, Ethiopia, Kenya (46)
TOTAL: 2,229	



← at a seminar

even through
Coronavirus
pandemic, JOGMEC
effectively held
online seminars. →



Activities in Africa

- 5 Joint Venture Exploration Projects with private sectors in countries with great potential for mineral resources.
- 4^{*1} Financial Assistance^{*2} to projects with high risks which makes it difficult for private sectors to enter single-handedly.

^{*1} 3 in Metals sector, 1 in Oil and Liquified Natural Gas sector

^{*2} Equity capital and/or Liability guarantees

■ Namibia

(4 JV Explorations)

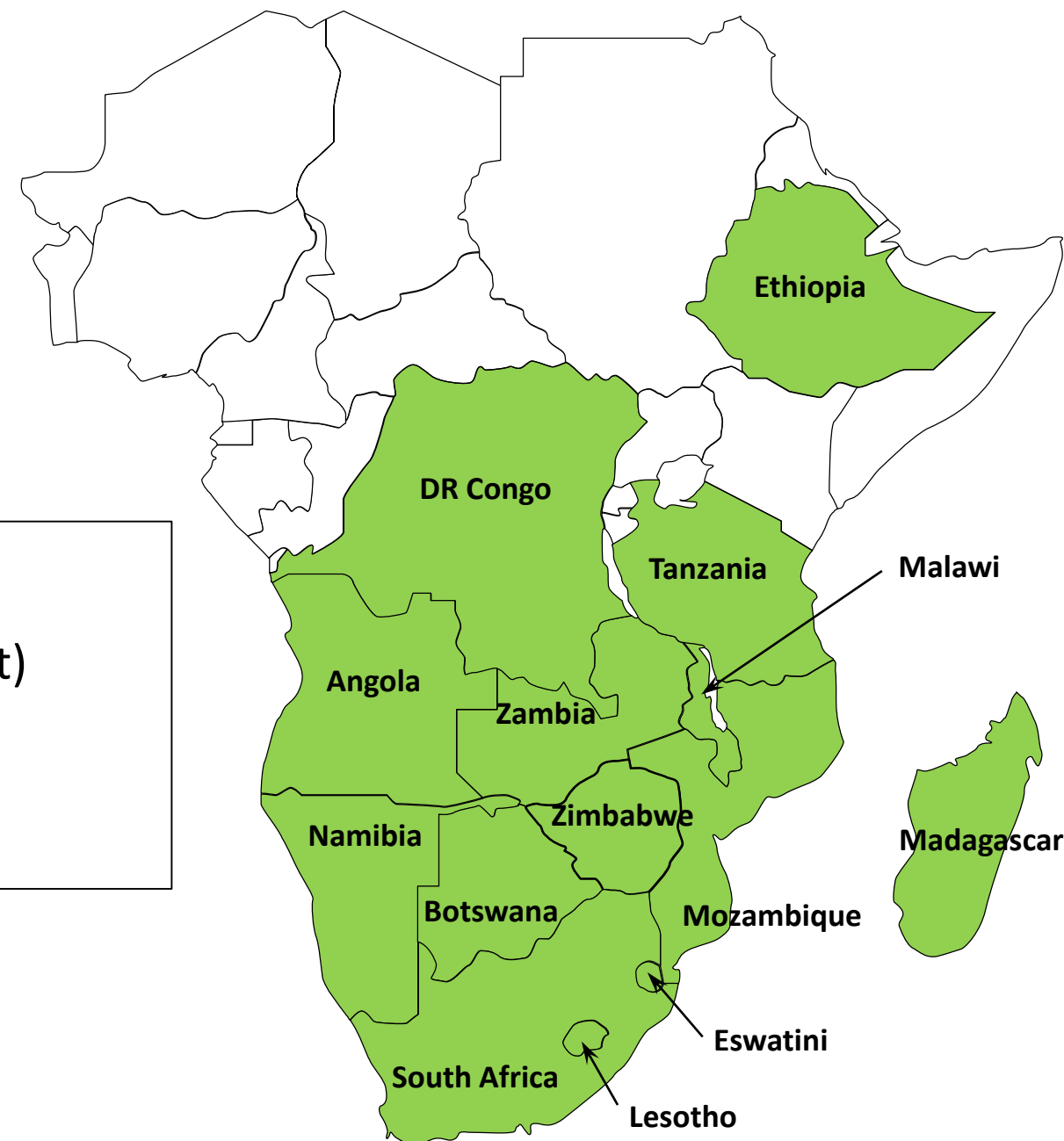
■ Zambia

(1 JV Exploration)

■ South Africa

(3 financial Assistances by Equity Investment)

- Platreef (PGMs etc)
- Samancor (Cr etc)
- Waterberg (PGMs etc)



■ Mozambique

(Financial Assistance by Equity capital and/or Liability guarantees)

- Mozambique LNG (LNG)

... MOU/IP

Recent Diplomatic Activities with African Countries

- Signed MOUs with 4 countries in the last 3 years. (JOGMEC has effective MOUs with 14 countries in Africa in total.)
 - In 2021 ; with Angola in the sector of Oil and Natural Gas, and Metals
 - In 2022 ; with Namibia in the sector of Metals, and Carbon Neutral (Hydrogen・Ammonia)
; with South Africa in the sector of Metals
 - In 2023 ; with Zambia in the sector of Metals
- Invited officials from DR Congo (in 2022) and Namibia (in 2023) and visited Zambia (in 2023) with Japanese private sectors to convened roundtable meetings to provide information from each country on policies of minerals, energy and investment environment to Japanese private sectors. We believe these opportunities will lead to Japanese private sectors enter into African businesses.

We have also conducted mineral forum with invited officials from DR Congo(in 2023) in Japan to make further understandings of African businesses for Japanese private sectors.



< at Namibia roundtable meeting >



< at DR Congo roundtable meeting >



< at Zambia roundtable meeting >