



**The Africa's Journey to 2030  
and China-Africa Geospatial  
Information Cooperation:  
Getting There without  
Getting Lost**



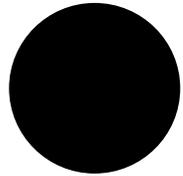


**Presented by Mohammed Mamman Kabir, mni**

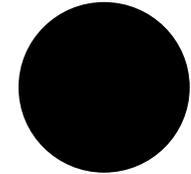
The Chairperson International Federation of Surveyors-Africa  
Regional Network (FIG-ARN)

At the United Nations GeoNow 2024 from 21-24 October 2024  
Deqing, China

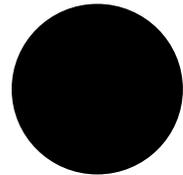




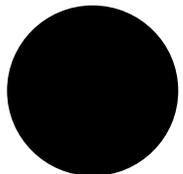
**Presentation Outline**



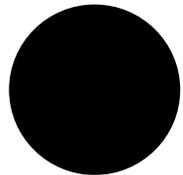
**Overview of the Africa's Journey to the SDG**



**State of the Africa Geospatial Information Management**



**Statement on the Key Challenges**



**China Africa Geospatial Information Cooperation Supporting Africa's Ways to the SDGs**



## Geospatial Information for Sustainable Development in Africa

**Policy and Governance**

**Capacity Building and Knowledge Transfer**

**Common Frameworks and Tools**

**Regional and Global Collaborations:**



**2015 -2022 African countries SDG performance Index increased by +2.5 points bringing it to 56.7 out of 100 points**

## The Top Five Wins: Climate and Environmental Concerns



**Goal 13 - Climate Action**



**Goal 12 - Responsible Production and Consumption**



**Goal 14 – Life below Water**



**Goal 15 – Life on Land**



**Goal 8 – Decent Work and Economic Growth**

## Least Wins: Economic and Human Development Concerns



Goal 9 – Industry, Innovation and Infrastructure



Goal 7 – Affordable and Clean Energy



Goal 1 – No poverty



Least  
Wins



Photo source Google online

- Africa may achieve less than 6 percent of the 32 measurable targets for SDGs 1, 2, 13, 16 and 17 by 2030
- Stagnation in 21 of the remaining measurable targets
- Negative trends for 8
- In 2022, 80 percent of Africa's population was unable to afford healthy food
- 2013-2023 population living below the national poverty line increased from 33.3 to 38 percent
- Women are disproportionately affected by poverty in Africa

Source: The 2024 Africa Sustainable Development Report

# Africa's Journey to 2030 Cont'd: THE KEY CHALLENGES



	Scale	Africa	Europe
<b>MAP Coverage</b> Africa is the least mapped continent	1:25 000	2.3%	92.5%
	1:50 000	29.7%	93.8%
	1:100 000	20.6%	81.3%



## Data Policy

Poor quality, completeness, currency Poor Interoperability Lack of Standardization; inconsistent data management frameworks – data ownership, use, access, and copyright

## Low Internet Infrastructure

Global lowest 5G coverage, 94 percent of Africa is not covered by 5G as of December 2023; Nigeria's 5G coverage is 0.83% and 60.3% of subscribers were still on 2G as of August 2023 – Source NCC

## Human/institutional capacities

only 1 in 100,000 persons in the key geospatial knowledge industry Retention of Human Capacities

## GI Value Awareness

“most African Governments lack awareness of the true value of geospatial information, despite the increasing recognition at the global level that such information should be considered part of the national information infrastructure of a country”

## Investment in Data

Global lowest investment in R&D, Statistics



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*...ACCOMPANYING ANY  
CHALLENGE THERE ARE  
GREATER OPPORTUNITIES*

# CHINA-AFRICA GEOSPATIAL INFORMATION COOPERATION CAGIC: Strengthening the Africa's Geospatial Information Frameworks for Sustainable Development of Africa



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## AIM

To provide strong platforms for transformation of geospatial information into opportunities for accelerated socioeconomic development of China and Africa and for the attainment of SDGs and Agenda 2063



## Mission

Establish a China-Africa Community that deploys geospatial information to strengthen institutions, improve infrastructure and services, and provide support for the implementation of high level cooperation between China and Africa in geospatial fields and related projects

## Key Areas

Capacity Building and  
Knowledge Transfer

International Cooperation in  
Meeting Regional and Global Needs



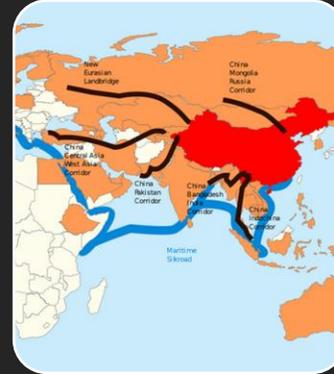


Cross Section of Some of Participants at First Africa China Geospatial Conference, Ghana May 2024



Some of the participants at the CAGIC Seminar. Sept. 2024

# CAGIC: THE KEY LEVERAGE



**Forum of  
China-  
Africa  
Cooperation  
(FOCAC)**

**African  
Union  
Agenda  
2063**

**Belt and  
Road  
Initiative**

**China  
Beidou  
GNSS  
System**

**UN Global  
Geospatial  
Knowledge  
and  
Innovation  
Centre (UN-  
GGIC)**

**Strong  
Government  
and  
Institutional  
Support**

# CAGIC: The Seven Key Project Areas



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**Bilateral and Multilateral Cooperation-** in the areas of scientific research, innovation and development in geospatial-related projects



**Low-Altitude Economy** – the "1+5+N" model that focuses on the management, production, learning, research, business, and use of UAVs in five thematic areas: **Digital Economy; Low Altitude Logistics; International Trade; Aerostat Technology; Emergency Rescue and Safety**



**Geospatial Capacity Development** -  
governance of government, industries, and  
facilitate public daily life and sustainable  
development



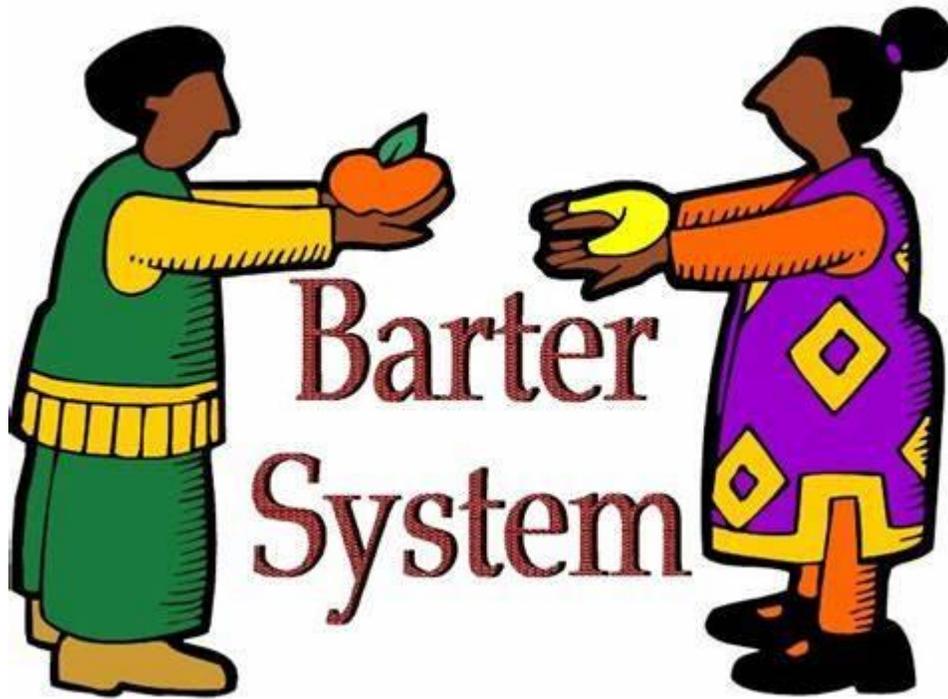
**Internship** - Development of local talents  
and technicians in the field of geospatial  
information



**Joint Projects** - manufacturing, maintenance, and assembly services for geospatial information projects



**Joint Centers** - Schools, Training Centers, Geolabs –integrate knowledge and industry-education; bridge the gaps between the Gown and Town in geospatial information management



Accounts Receivable Barter Platform Service - facilitate transactions, reduce business risks in Geospatial Projects and achieve win-win development

# SPECIAL INVITATION TO CAGIC Conference 2025



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## ***THE GROUNDBRAKING CHINA-AFRICA GEOSPATIAL INDUSTRY CONFERENCE ABUJA, NIGERIA MARCH 2025***



Policy and Governance

Research, Innovation & Development

**Transforming Challenges to Opportunities**

Cooperation, Collaboration, Networking

Geospatial Industry Sector

SPECIAL INVITATION



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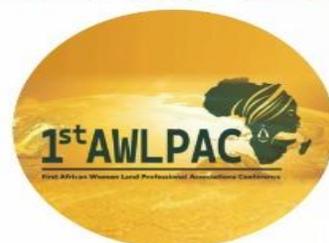
## International Federation of Surveyors - Africa Regional Network

*In collaboration with:*



*Presents:*

## THE 1ST AFRICAN WOMEN LAND PROFESSIONAL ASSOCIATIONS CONFERENCE



**Theme: Women Land Professionals and the Struggle for Inclusive Land Governance in Africa: Reflections on the past, present and the future.**

24 - 28 NOVEMBER, 2024 9.00AM DAILY

APC HOTEL AND CONFERENCE CENTER, DAR ES SALAM TANZANIA

# SPECIAL INVITATION TO THE 1<sup>st</sup> AWLPAC



UNGEONOW 2024  
首届联合国地信周



## *Women Land Professional and the struggle for Good Land Governance in Africa: Reflections on the Past, Present, and the Future*



- ✓ Geospatial Intelligence: The emerging Technologies
- ✓ Leveraging Technology for inclusive land governance
- ✓ Strategic Capacity Development Framework for Women
- ✓ Technical and Social Tours



**You Are All Invited**

**African Women Deserve Our Support**



Thank You