

Digital Earth
AFRICA

DE Africa Quarterly Program Report

Quarter 4

January - March 2025

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About Digital Earth Africa

Our vision

Digital Earth Africa (DE Africa) provides reliable Earth observation services, offering decision-ready products to help address social, environmental, and economic challenges while promoting innovation across sectors.

Our mission

DE Africa processes open data to create decision-ready products, addressing Africa's challenges by working with the AfriGEO community and building on existing capacity to use Earth observations effectively.



Livelihood strengthening

Enhance informed decision-making across government and sectors, delivering both direct and indirect benefits to individuals and communities.



Digital transformation is advanced

Drive the evolution of Africa's digital economy by promoting industry uptake and fostering innovations.



Economic development and job creation

Facilitate new business development and employment opportunities by providing access to data for commercial products and services.



Development activities are more effective

Enhance understanding of development challenges and solutions to strengthen collective impact and assess progress toward national priorities, the African Union's Agenda 2063, and the UN SDGs.



Enhance and scale regional activities across Africa.



Empower climate action by developing in-country knowledge and skills.



Serve an audience that meets our diversity and inclusion strategy.



Ensure sustainable governance and deepen key partnerships.



Program Outcomes

OUTCOME 1: Sustainment

DE Africa is on-track to be sustained in Africa (technically, operationally and financially), with key African stakeholders invested to achieve this end-point

Strengthening Governance & Program delivery

Stakeholders maintain confidence in DE Africa's governance, operations, and transparency

Enabling Partnerships

African governments and regional institutions support DE Africa's shift toward financial sustainability, recognizing its value and operational impact

Sustainment and Business Model Development

Developing a cross-sector business model to diversify revenue, sustain operations, and secure funding beyond Phase III

Science and Technology

DE Africa's science and technical platform remains a robust, world-leading capability, responsive to Africa's needs

OUTCOME 2: Uptake and Impact

DE Africa information is consistently used by key stakeholders - governments, communities, private sector and individuals, to drive environmental, social and economic impacts

User needs/in-country engagement

Customizing DE Africa services for in-country needs like food security, connecting with end-users via partners and communities

Capacity Development

Development of tailored training materials to support diverse users, from decision-makers to in-country specialists, in utilizing DE Africa's products

User Engagement/Uptake

Rapid growth in uptake of DE Africa services including the Map and the Sandbox, and direct use of DE Africa services

Demonstrating impact

DE Africa services empower community decision-making, improve lives, and support African governments in using data for policy and action

Cross-Cutting

Diversity and Inclusion

Communications and PR

Monitoring, Evaluation and Learning

Benefits Realisation

Risk Management



Executive Summary

The appointment of Dr. Lisa-Maria Rebelo as Acting Managing Director helped maintain programme delivery, providing stable leadership and strategic direction. A key event for the quarter was the first in-person Interim Advisory Board (IAB) meeting held in Kenya, where the 2025 Workplan and the Monitoring, Evaluation, and Learning (MEL) Framework were endorsed. These governance changes supported DE Africa's focus on transparency, operational effectiveness, and sustainability

Strategic partnerships were expanded during this quarter, with new agreements secured with Ghanaian and pan-African institutions, broadening DE Africa's network. Additionally, existing collaborations were strengthened with Esri, AWS, and regional Implementing Partners, reinforcing long-term commitments to geospatial innovation and data accessibility. These partnerships are instrumental in advancing DE Africa's mission to provide decision-ready data for stakeholders across the continent.

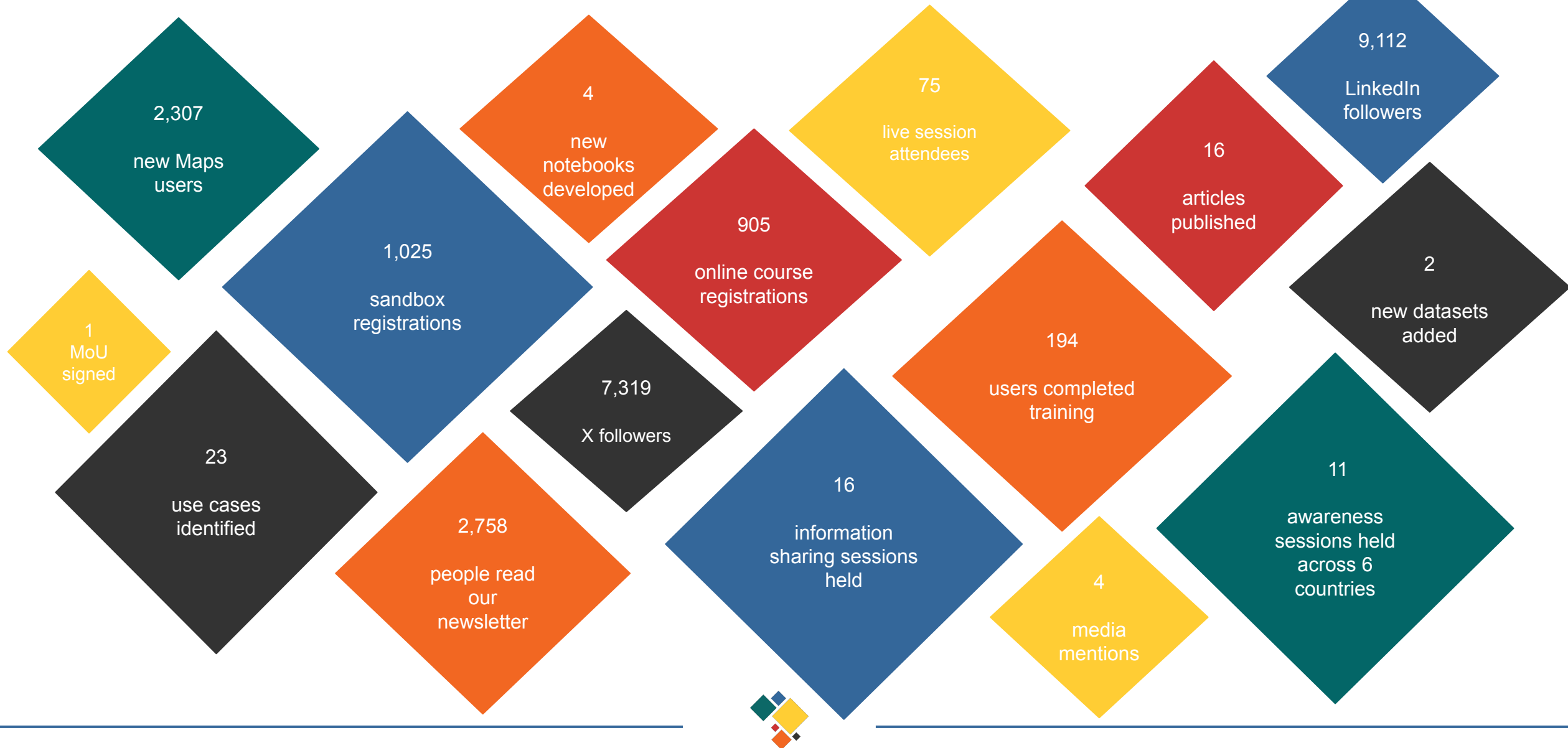
On the technical front, DE Africa made substantial advancements in workflow implementation, data product releases, user guides, and platform upgrades. Notable developments included the validation of wetland monitoring workflows across multiple African regions, and the release of new open source analytical tools. These innovations continue to empower governments, research institutions, and industry leaders with actionable geospatial insights, helping to drive informed decision-making.

Capacity development remained a central focus, with **over 1,000 participants trained** through both online and in person workshops. Training initiatives targeted government agencies, universities, and geospatial networks, ensuring inclusive access to EO knowledge and tools. Through structured training sessions, online courses, and hands-on workshops, DE Africa continues to equip African professionals with the necessary skills to leverage EO technologies for climate resilience, disaster management, agriculture, and natural resource management.

User engagement and adoption of DE Africa's tools and services continued to grow steadily. The quarter saw **1,025 new sandbox registrations** and **905 online course enrollments**, demonstrating the increasing demand for DE Africa's products. This increase in adoption underscores the program's effectiveness in addressing critical geospatial challenges and its growing impact across diverse sectors.



Highlights for the Quarter



Key Updates



OUTCOME 1: Sustainment

DE Africa is on-track to be sustained in Africa (technically, operationally and financially), with key African stakeholders invested to achieve this end-point



Strengthening Governance

Leadership

Dr Lisa-Maria Rebelo was appointed as the A/Managing Director of the DE Africa Program Management Office (PMO) effective January 2025, ensuring continued leadership stability,



Dr Lisa-Maria Rebelo
Acting Managing Director, DE Africa

Interim Advisory Board (IAB)

- The Interim Advisory Board (IAB) shortlisting process was completed, resulting in the appointment of 6 new members, with 2 Governing Board (GB) members continuing to serve on the new board.
- The first in-person IAB meeting was held in Kenya in March.
- The IAB members participated in a networking session with the DE Africa team, including program delivery, capacity development, and global science teams.
- The session was also attended by the Australian Deputy High Commissioner to Kenya, **Mr Christopher Ellinger**, fostering diplomatic and strategic connections.



IAB - 1 meeting attendees, from left to right:
Mr Kuda Mukova, Oliver Chinganya, Ms Nandi Mtethwa, Dr Aggrey Agumya, Ms Farrah Naidoo, Prof Kamal Labbassi, Dr Lisa-Maria Rebelo, Dr Jane Olwoch., Ms Alison Rose, Mr Matthew Pennels, Ms Njeri Maina, Mr Imraan Saloojee, Ms Jahla Gato and Dr Tshilidzi Madzivhandila



Nairobi networking session, from left to right:
Oliver Chinganya and Mr Christopher Ellinger. In background, Mr Michael Wellington and Ms Alison Rose

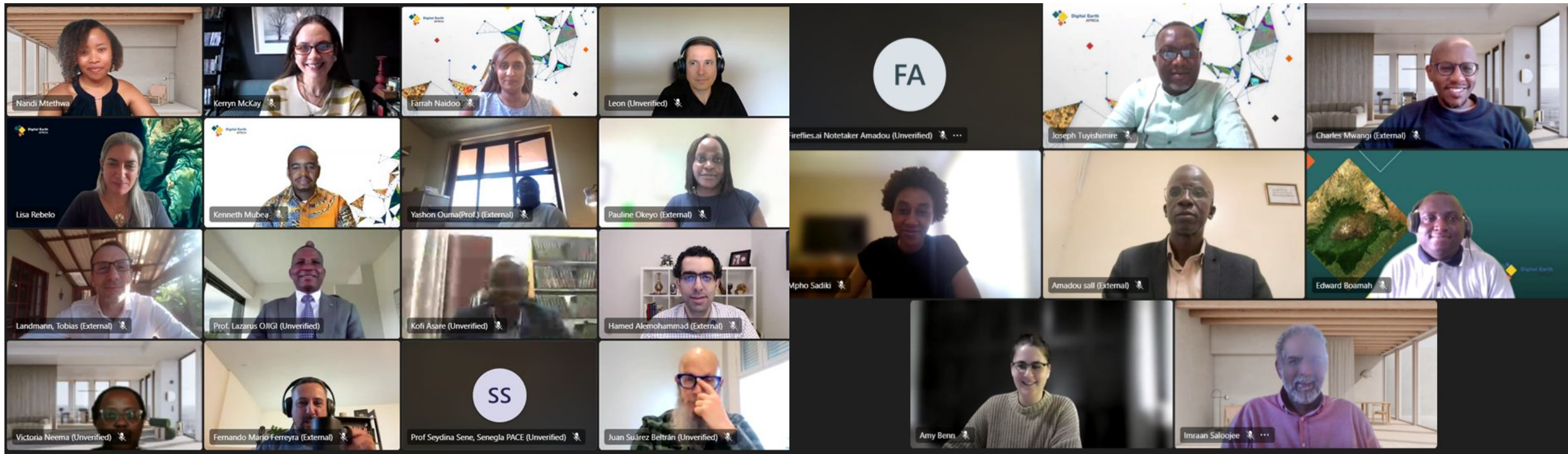


Strengthening Governance

Technical Advisory Committee (TAC)

In line with the TAC terms of reference, nine new members were appointed, while two members continued to serve out the remainder of their tenure. The five DE Africa Implementing Partners (IPs) remained represented on the TAC. In February, Dr. Seydina Ousmane Sene and Prof. Yashon Ouma were appointed as the new Co-Chairs.

TAC-20 was held on 26 February 2025, and this meeting served as an orientation session, recognizing the contributions of outgoing members and setting the agenda for the continued work of the TAC.



Strengthening Governance

Strategic Planning

- A consolidated review of existing strategies was completed in January, forming the foundation for development of a new 5–10 year strategy. The Strategy Overview document, finalized in February, was included in the IAB Board Pack.
- Following discussions at the IAB meeting in March, the timeline for the Strategy Overview was updated to reflect key dependencies, with further refinement planned before submission to the Board for endorsement.

Annual Reporting and Planning

- 2024 Annual Report: The annual report has been completed and will be published in April 2025.
- The 2025 workplan was endorsed by the IAB in March and will guide program implementation from 1 April 2025 to 31 March 2026.

Monitoring, Evaluation, and Learning (MEL)

- Following iterative feedback and refinement, the MEL Framework was approved by the IAB in March. Supporting guides and templates were developed to facilitate implementation, and a workshop was conducted with the DE Africa team to ensure seamless adoption of the tracking process, which commenced in March.

Operational Enhancements

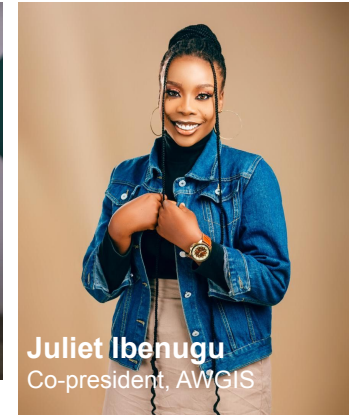
- Risk Management: The risk review committee met in March to review the current program risks and discuss nine new risks raised during the IAB meeting. Updates were made to the Risk Management Plan and Terms of Reference (ToR) to align with governance changes.
- Standard Operating Procedures (SOPs): The annual review of SOPs ensured alignment with current program operations. Additionally, internal operating governance structures were updated, resulting in minor refinements to the Program Governance Framework.



Strengthening Governance

Diversity and Inclusion (D&I)

- DE Africa released a [new video highlighting the vital role of women in Earth observation and GIS](#) - featuring Nandi Mtethwa, Mpho Sadiki, and **Sinethemba Mtshali**, the video showcases how DE Africa empowers decision-makers, promotes sustainability, and drives real-world solutions.
- AWGIS Technical Challenge: The challenge saw further collaboration with the Tech Tribe Accelerator to finalize mentorship offerings. The initiative is set for a three-month rollout starting in March with the winners being announced in June.
- DE Africa champion **Juliet Ibenegu**, passionate about gender inclusivity in the geospatial industry, was profiled and [featured in an article](#).



D&I Collaborative Working Group (CWG)

The Q4 meeting on 19 March featured a discussion on intergenerational workplace dynamics and updates from DE Africa's implementing partners on ongoing D&I activities. These highlights include:

- OSS: Integration of diversity and inclusion principles into land productivity mapping and local-scale land use monitoring.
- AFRIGIST: International Women's Day 2025 celebrations, engaging secondary schools and promoting geospatial careers.
- CSE: Support for four undergraduate students and interns.
- RCMRD: Advanced gender-sensitive coastal erosion monitoring and secured funds for Uganda's women-led wetland mapping project.

Additionally, a new member from Reseau, **Letwin Pondo**, introduced their organization and contributions.



Enabling Partnerships

Kenya

The Partnership Framework between the Kenya Space Agency (KSA) and DE Africa was finalized, focusing on leveraging DE Africa's Earth observation capabilities to support national priorities. This includes operational approaches for mapping land use and land cover through Satellite Image Time Series (SITS) analysis, supporting KSA national priorities.

Ghana

A Memorandum of Understanding (MoU) was fully executed with the University of Energy and Natural Resources (UENR) to integrate DE Africa into academic programs, with a particular focus on supporting the BSc Programme in Space Sciences Engineering and building national capacity on the use of EO data.

Continental

An MoU with the Vikara Institute was established to enhance collaboration between DE Africa and international development sectors, leveraging big data for market systems development and climate resilience.

Group on Earth Observations (GEO)

DE Africa engaged with the GEO Knowledge Hub to plan and deliver a series of six webinars showcasing DE Africa products and services, including agriculture, urbanization, water resources, and coastal monitoring to the GEO community.

Esri

Discussions were held regarding the development of new Learn Lessons highlighting DE Africa's coastline service and its integration into Esri's training modules. Plans are underway for participation in the Esri Eastern Africa Conference in May 2025.

AWS

A partnership meeting was held between DE Africa and AWS Open Data lead in February. Following this, an application for AWS sponsorship of new DE Africa data pipelines for Sentinel 1, Sentinel 3, and Sentinel 5 data sets was submitted and subsequently accepted.



Implementing Partner Activities



African Regional Institute for Geospatial Information Science and Technology (AFRIGIST)

- Training to AFRIGIST MSc students on how to use DE Africa for their final year projects on 21 February with 65 participants.
- AFRIGIST hosted International Women's Day events (10 - 14 March 2025) in three schools in Nigeria: Moremi High School, OAU International School and Adventist Secondary School.
- Sena Adimou was [featured in a DE Africa article](#), talking about AFRIGIST'S partnership with DE Africa.



Agriculture, Hydrology, Meteorology Regional Centre (AGRHYMET)

- Fieldwork scheduled for March 2025 in Niger and Burkina Faso postponed to June 2025 (start of rainy season).

Centre de Suivi Ecologique (CSE)

- Coastline validation using Sentinel 2 was completed and report shared with DE Africa.
- Seagrass mapping use case shared with the DE Africa Science team for evaluation.



The Sahara and Sahel Observatory (OSS)

- Development of Soil Organic Carbon methodology complete and shared with DE Africa Science team.
- OSS is organizing a national workshop scheduled for May 25th and 26th, 2025, in Tunisia. The workshop will involve participants from Burkina Faso. It will focus on soil organic carbon monitoring for both Tunisia and Burkina Faso, with representatives from their respective Ministries of Agriculture in attendance.



Regional Centre For Mapping Of Resources For Development (RCMRD)

- Coastal erosion training completed in Djibouti (February) and in Comoros (March).
- Julius Buyengo was [featured in a DE Africa article](#), talking about RCMRD's partnership with DE Africa.
- Wetland mapping training scheduled for April 2025 (Uganda and Kenya).



Science and Technology

Workflows

- Wetland Workflow: Continued implementation of the wetland workflow in Kenya and Uganda (RCMRD), Senegal (CSE), and South Africa (DE Africa, SANBI)
- Field Data Collection: Data collection by RCMRD in Kenya and Uganda has been completed, in Senegal, field data collection is ongoing by CSE
- SITS Package Implementation: Technical collaboration with KSA for land use/land cover mapping in Kenya, utilizing the SITS package is ongoing, with prototyping at the country scale.

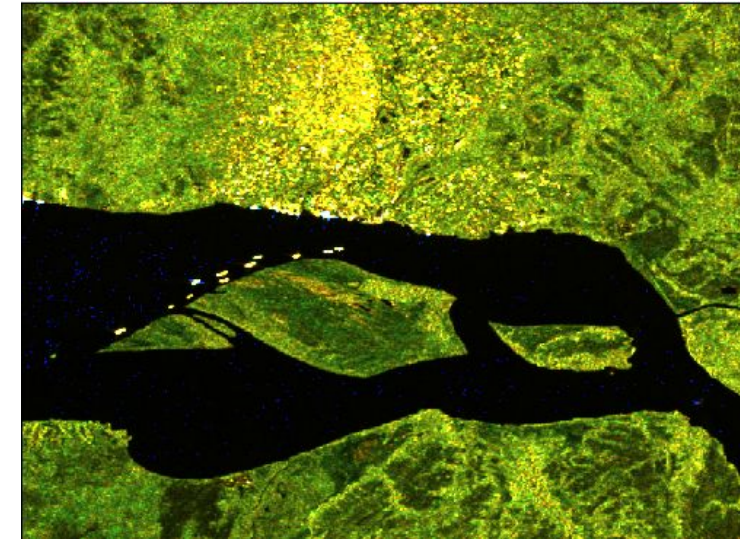
New Data and Data Pipelines

External Datasets

- Africapolis Urban Agglomerations Dataset from the Sahel and West Africa Club (SWAC) is now available through DE Africa platforms
- Impact Observatory Land Cover Map update (Version 2) has also been made available.

New Data Pipelines

- Sentinel-1 Monthly Mosaic: Operational and supporting time-series analysis, with new documentation and dataset notebook prepared for user support.
- ESA's World Cereal: Product definition and STAC files preparation are underway.
- Sentinel-2 Collection 1: Ongoing gap filling for enhanced data completeness.



Sentinel-1 Monthly Mosaic false colour image of the city of Boma on the Congo River



Science and Technology

New Notebooks Released

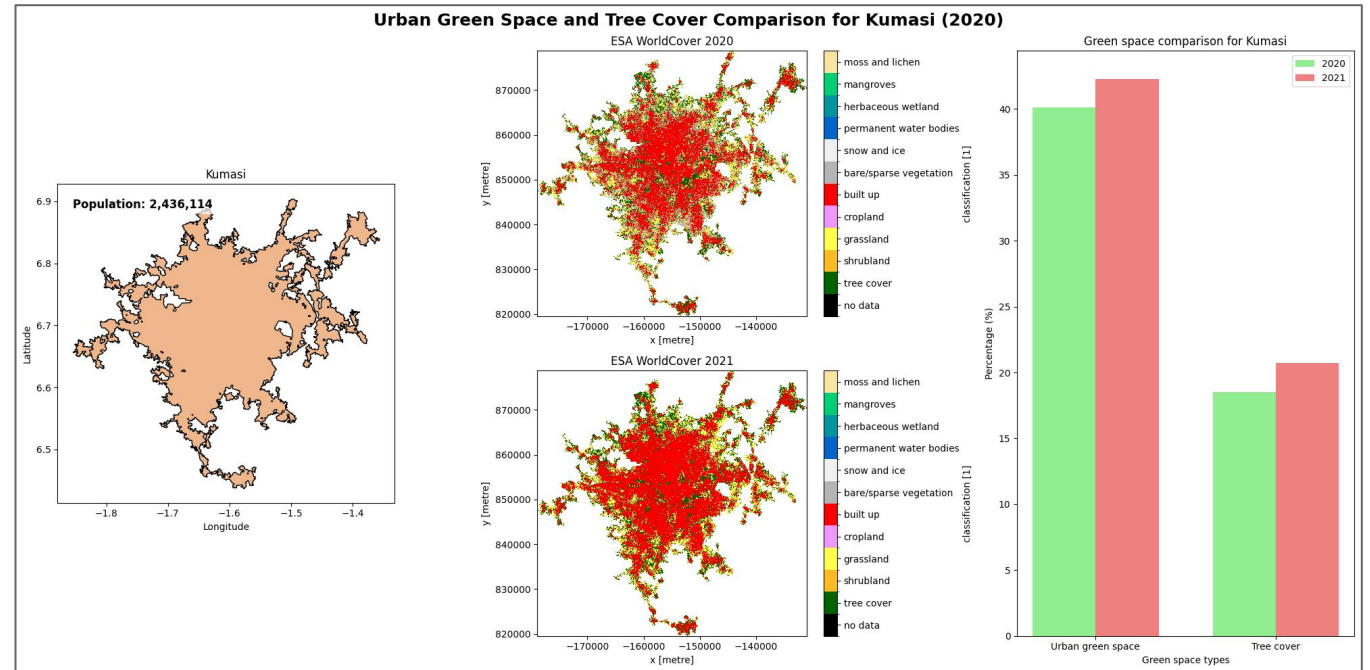
- OECD/SWAC Methodology for Urban Tree Extent
- OECD/SWAC Methodology for Urban Green Space
- Categorization of Notebooks: Notebooks are now categorized into thematic groups for better accessibility
- New Landing Page Notebook: A dedicated landing page notebook was released to enhance user experience.

Notebooks Updated

65 Notebooks have been updated following the sandbox image upgrade, ensuring consistency with platform updates.

New User Guides

Two new user guides were published in French and English for the Sentinel 1 Monthly Mosaic and the Africapolis Urban Agglomerations.



Urban green space and tree cover comparison for Kumasi (2020)



Science and Technology

Use Case Development and Technical Support

- Project Plans: Preparations for supporting technical activities with organizations including the African Wildlife Foundation (Rwanda), the National Rangelands Trust (Kenya), and Urban Resilience with the Sahel and West Africa Club (Continental) have been made.

International Science Engagements

- Second African Forum on Urban Forests: DE Africa participated in this forum in Johannesburg, South Africa, in collaboration with the Sahel and West Africa Club of the OECD. The focus was on urban resilience applications through DE Africa.
- Africa-Australia Clean Energy and Critical Minerals Symposium: DE Africa attended the symposium in Accra, Ghana, participating in a panel discussion to explore opportunities in clean energy and critical minerals.
- DE Africa Annual Science Planning Workshop: Held in Nairobi in March, the workshop focused on planning and strategic direction for DE Africa's science initiatives.



DE Africa global science team at annual science planning workshop in Nairobi, clockwise from top: Mr Edward Boamah (Technical Manager), Dr Meghan Halabisky, Dr Kenneth Mubea (Capacity Development Lead), Mr Joseph Tuyishimire (User Engagement Manager), Dr Michael Wellington (EO Product Development Manager - GA), Ms Victoria Neema (EO Data Scientist), Ms Mpho Sadiki (EO Data Scientist) and Dr Lisa-Maria Rebelo (Science Lead)



DE Africa global team at March networking session in Nairobi, from left to right: Mr Joseph Tuyishimire, Ms Victoria Neema, Ms Mpho Sadiki, Ms Farrah Naidoo, Dr Meghan Halabisky, Dr Michael Wellington, Mr Edward Boamah and Dr Kenneth Mubea



Science and Technology

Data and Platform Enhancements

- Sentinel-1 Monthly Mosaic: Now available on the Production Explorer, ensuring improved access to SAR time-series analysis.
- ESA WorldCereal: Sample data prepared for product configuration and data indexing. The WinterCereal product has been deployed to production and is now available on the Explorer.

Infrastructure and Security Updates

- OWS Upgrade: Addressed a security alert related to the OWS service, upgrading all environments to version 1.8.42. Monitoring through GuardDuty continues.
- Africapolis GeoServer Configuration: Updated and deployed to production, enhancing access to urban agglomeration data.
- RDS PostgreSQL Upgrade: Upgraded PostgreSQL to version 16.6 on Development and Production environments.
- EKS Upgrade: Upgraded to version 1.30 to ensure compatibility with AWS services.
- Argo Workflows: Service upgraded, and workflow job archiving is now operational on production.
- IAM and GitHub Review: A user review of IAM and GitHub accounts was completed, along with a semi-annual service account credential rotation for improved security.

Data Gaps

- s2_l2a and s1_rtc gaps were addressed by creating a product refresh workflow on the development environment.
- Sentinel-3 OLCI L2 LAND: The s3_olci_l2_lfr product has been created on the development environment for enhanced monitoring of land surface conditions.



OUTCOME 2: Uptake and Impact

DE Africa is consistently used by key stakeholders - governments, communities, private sector and individuals, to drive environmental, social and economic impacts



In-Country Engagement

Capacity building and outreach



Tunisia: Data for Now Initiative (17 January 2025)

As part of the Data for Now Initiative, DE Africa contributed to refining national estimates on water extent, water quality, and coastal erosion in Tunisia. The engagement also supported the finalization of SDG reports on key target indicators. A debrief session was held to review outcomes and identify potential areas for further collaboration.

Ghana: National Disaster Management Organization (NADMO) (04 February 2025)

DE Africa supported NADMO's newly established GIS and Remote Sensing department in enhancing disaster risk management and climate trend assessments. Plans were developed for capacity-building initiatives and ongoing technical support to strengthen geospatial capabilities. Additionally, discussions were initiated to formalize collaboration through a Memorandum of Understanding (MoU) or a Letter of Collaboration.

Kenya: National Drought Management Authority (NDMA) (16 January 2025)

DE Africa collaborated with NDMA to enhance drought monitoring capabilities in arid and semi-arid counties through advanced land use and land cover (LULC) mapping. A series of capacity-building sessions will be conducted using the DE Africa Sandbox to support technical teams in geospatial analysis. The final LULC mapping outputs will be published in a joint blog post to showcase insights and impact.

Senegal: Université Amadou Martar MBOW (UAM) (17 January 2025)

DE Africa supported a coastal evolution study focused on marine protected areas (MPAs) in Ziguinchor. This initiative included the supervision of a Master's thesis through the DE Africa and CSE internship program, providing technical expertise and Earth observation resources. Key findings from the study were shared in a blog post to highlight research outcomes.



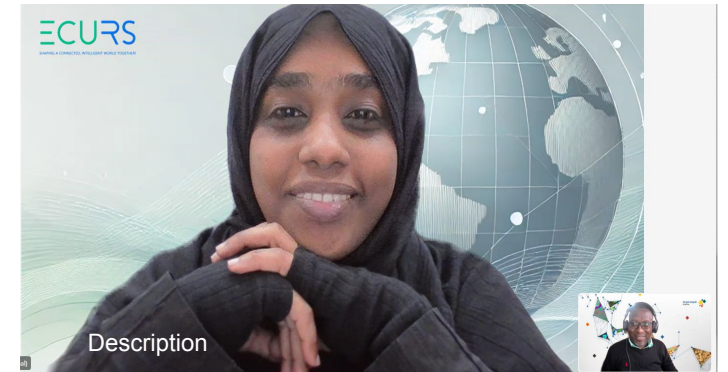
In-Country Engagement

Cameroon: Ministry of External Relations of Cameroon (24 March 2025)

A meeting with Mrs Ghariengam Njikam Fatimatou, Diplomat in Charge of Australia at the Ministry of External Relations in Cameroon, facilitated by the Australian High Commission in Abuja introduced DE Africa's services to various Cameroonian ministries, including Agriculture, Urban Development, and Environment. Letters to target Ministries were drafted to be sent through the High Commission in Abuja

Qatar: Everybody Can Use Remote Sensing (ECURS) (04 February 2025)

Digital Earth Africa held a strategic exchange with Everybody Can Use Remote Sensing (ECURS), a private Earth observation company based in Qatar. ECURS expressed interest in contributing commercial high-resolution optical, multispectral, or SAR data to support the validation of DE Africa's continental services.



Zanzibar: Africa21 (25 March 2025)

DE Africa engaged with Africa21 through Julien Chambolle, Secretary General, to discuss collaboration on data journalism and capacity-building initiatives. Opportunities to support journalist training and challenges were explored, with potential funding sources identified, including UNESCO, G20, and the World Bank. Africa21 proposed developing a collaboration framework to advance these efforts.

Awareness Sessions and Webinars:

GEO Knowledge Hub (21 March 2025)

DE Africa presented at the GEO Knowledge Hub, showcasing its Earth observation capabilities and applications. A series of six webinars will be conducted between March and June 2025, focusing on Agriculture & Food Security, Urbanization, Water Resources, Coastal & Marine and Cross-cutting Applications.



Digital Earth Africa applications showcase

Focusing on Agriculture and Food Security

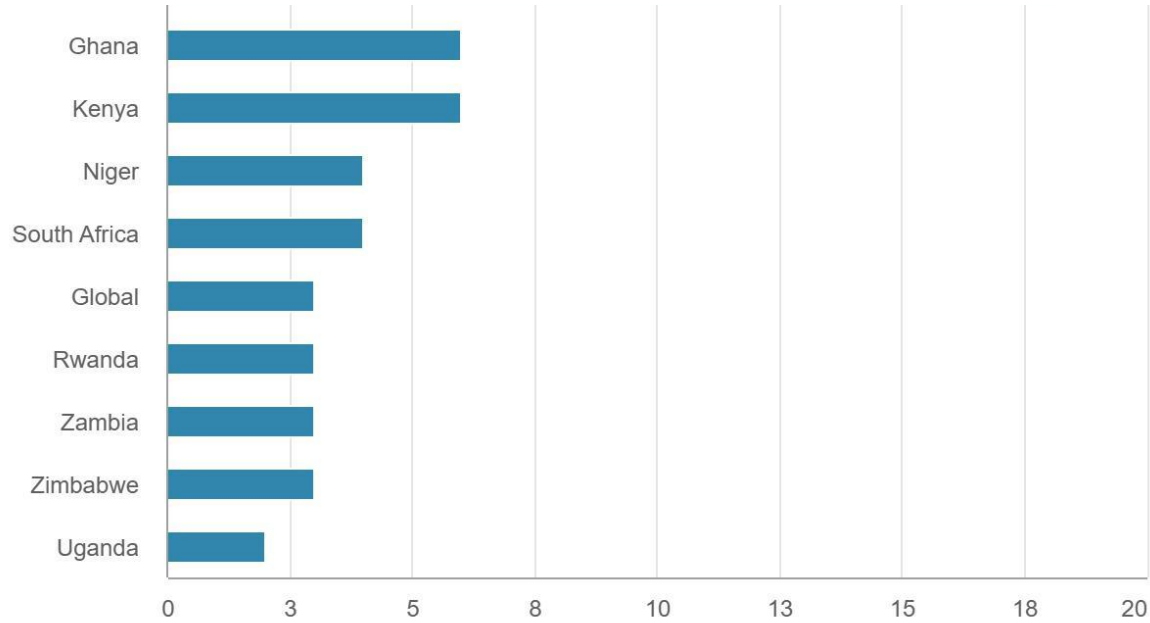
Part 1 27 March, 2025 - 14:00 CET

Part 2 10 April, 2025 - 14:00 CET

Join us: tinyurl.com/gkh-dea-webinar

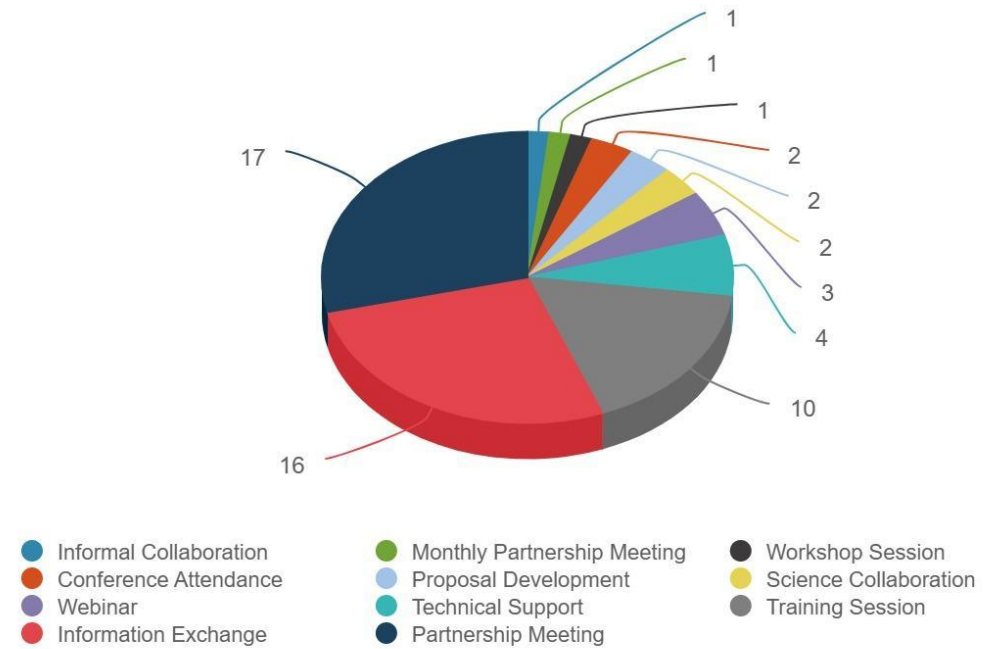


Engagements by Numbers



Top countries by number of engagements (January - March 2025)

Total engagements by type



Awareness sessions

11

awareness sessions

Training sessions

10

training sessions provided

Information sharing

16

information exchanges

Partnerships

1

MoU signed



Capacity Development

Training Materials and Courses Development

DE Africa has updated [five online training modules](#) - Water Resources, Agriculture and Food Security, Land Degradation, Coastlines, and Waterbodies- to enhance learning flow and incorporate the latest geospatial datasets and tools. Courses are available in both English and French, aligning with DE Africa's capacity-building goals.

Training and Workshops

1. **Digital Earth Africa English Training Session - FarmCom Conservation (28 January 2025):** Hands-on training for 18 participants focused on using DE Africa tools to monitor coastline erosion and mangrove growth, with 227 online registrations and 17 certificates awarded.
2. **DE Africa Training to Ghana Space Science and Technology Institute (GSSTI) (4 to 7 February 2025):** 16 participants learned to utilize Earth Observation data layers in DE Africa to analyze coastal erosion, water mapping, and crop health.
3. **IWMI Zambia DE Africa Training (4 to 7 February 2025):** 38 participants from 14 organizations engaged in practical group work to assess crop production, water balance, and flood mapping.
4. **DE Africa Training to Rwanda Geography Students Association (GEOSAR) (13 February 2025):** University of Rwanda students participated in mentorship and hands-on sessions using DE Africa tools for GIS and Earth Observation research projects.



Capacity Development

5. **AfriGEO DE Africa Training (21 February 2025):** 66 participants, including English and French speakers, received training on DE Africa's tools for various sectors, including agriculture, water, and coastal monitoring.
6. **DE Africa Training to AFRIGIST Students (21 February 2025):** 60 AFRIGIST students gained practical experience using DE Africa tools and the Sandbox for project creation.
7. **DE Africa Training to African Women in GIS (AWIGIS) (27 February 2025):** 26 attendees, including English, French, and Arabic speakers, participated in hands-on training and mentorship focusing on agriculture, water resources, and coastal erosion.
8. **DE Africa Training to Geospatial Information and Technology Association of Zambia (ZAGIT) (28 February 2025):** 34 participants were introduced to DE Africa's Earth Observation services, including examples on crop productivity, water extent, and urban growth in Zambia.



2025 WEBINAR
Bridging the Capacity gap in Earth Observation using Digital Earth Africa.
Comblent le déficit de capacités en matière d'observation de la Terre grâce à Digital Earth Africa.

Digital Earth AFRICA
Earth Observations for Africa

Bridging the Capacity gap in Earth Observation

21 February 2025 8am GMT zero

Kenneth Mubea, PhD
Capacity Development Lead
Digital Earth Africa
@DEarthAfrica

Date : 21st February, 2025
English : 11 AM EAT
French : 2 PM EAT

Register
English : <https://shorturl.at/ryOw2>
French : <https://shorturl.at/AOZFZ>

Scan to Register
English
French



AFRICAN WOMEN IN GIS & DIGITAL EARTH AFRICA

Mentorship Programme Info Session

Join us for an exciting information session about the upcoming joint call for applications by African Women in GIS (AWiGIS) and Digital Earth Africa (DE Africa)

Thursday, 27 February 2025

- 14:00 GMT+2 (English)
- 16:00 GMT+2 (French)
- 17:00 GMT+2 (Arabic)

REGISTER NOW <https://forms.gle/kbF4fifmAuSX3oES6>

Unlocking the promise of tomorrow

27 February 2025 14hrs GMT+2

Digital Earth Africa
@DEarthAfrica



Capacity Development

9. **DE Africa Training to Kyambogo University, Uganda (4 March 2025):** Prof. Bernard Barasa at Kyambogo Faculty of Arts and Humanities in Uganda organised a series of public lectures including training on Digital Earth Africa (DE Africa). University students received training on GIS and Earth Observation applications, including crop health monitoring, land use change, and water extent mapping.
10. **DE Africa at the 5th Big Data Africa School (10 - 14 March 2025):** DE Africa partnered in the 5th Big Data Africa School, funded by the UK's International Science Partnerships Fund through the DARA project. The event, coordinated by SARAO, hosted 25 students from South Africa, Botswana, Ghana, Kenya, Namibia, Madagascar, Mozambique, and Zambia.
11. **Umuryango wo Gushyigikira AMAkoperative (UGAMA) (14 March 2025):** In partnership with Digital Earth Africa, UGAMA conducted a capacity-building workshop for 10 staff members, reinforcing national engagement under the Information for Agriculture, Food, and Water Security (IAFWS) Project.
12. **GeoAI Transforming Africa through geospatial intelligence (29 March):** The African Association for Geospatial Applications (AAGA) hosted a high-impact event on geospatial intelligence, featuring expert contributions and engaging 75 participants.



KYAMBOGO UNIVERSITY
FACULTY OF ARTS AND HUMANITIES
DEPARTMENT OF GEOGRAPHY

Digital Earth
AFRICA

PUBLIC LECTURE
ON GIS AND EARTH
OBSERVATION SYSTEMS

Tues, 04th
Mar, 2025
2:30pm
EA Time

Digital earth Africa Learning Platform

This learning platform helps users understand the significance of Earth observation, explore Digital Earth Africa datasets through an interactive map, and get started on the basics of python coding for spatial analysis.

Digital Earth Africa makes Earth observation (EO) data readily available, delivering timely insights to the African continent. Data generated by Digital Earth Africa

Digital Earth AFRICA

Bridging the Capacity gap in Earth Observation

Unlocking the promise of Tomorrow from the patterns of the past

4 March 2025 at 2.30 pm GMT +3



Digital Earth Africa
DEAfrica



GeoAI Webinar

Transformer l'Afrique par l'intelligence géospatiale.

29 mars 2025 10H GMT


Book Here <https://lu.ma/6i9m23ko>



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Dr Labaly Touré
RPAG | Sénégal




Dr Berkawi Mansour
GeoMinds Africa | Niger



Dr Joseph Tuyshimire
Digital Earth Africa | Rwanda



Herbert Rodrigue NGAYA
SatNav JPO | Sénégal



HDR. Dr Nesrine Chahata
AGEOS | Tunisie

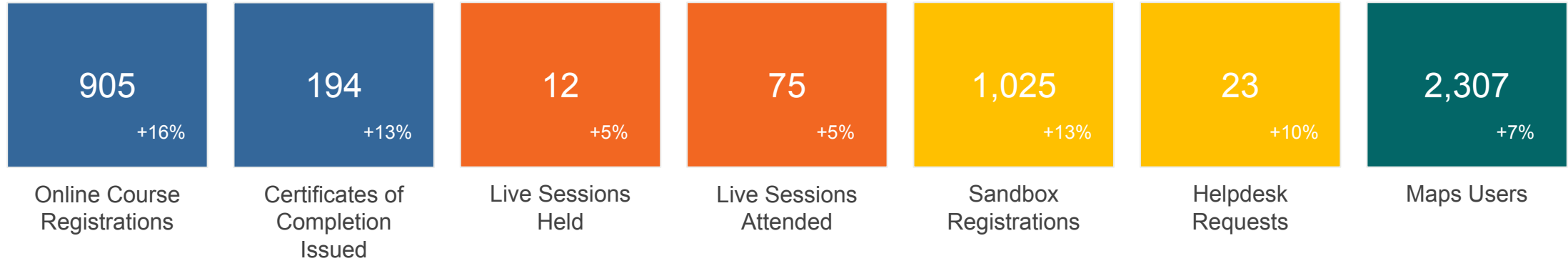


Bachir Saley
GMES & Africa | Côte d'Ivoire



Q4 User engagement in Numbers

Q4 2024 vs All time user totals

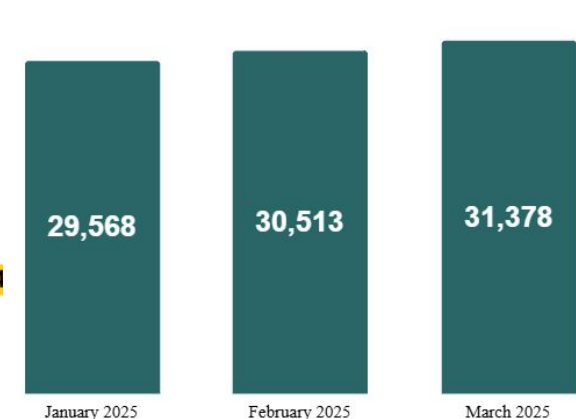
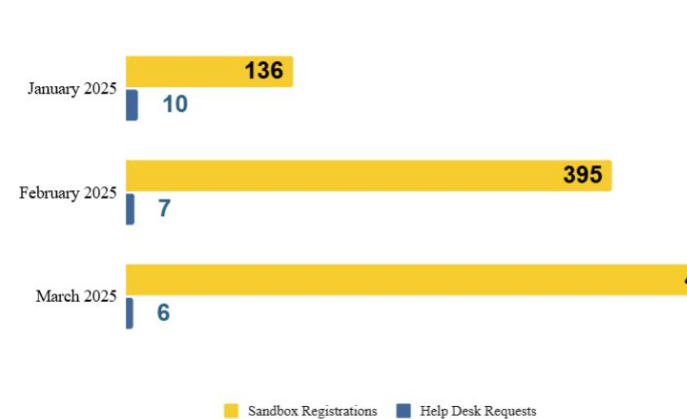
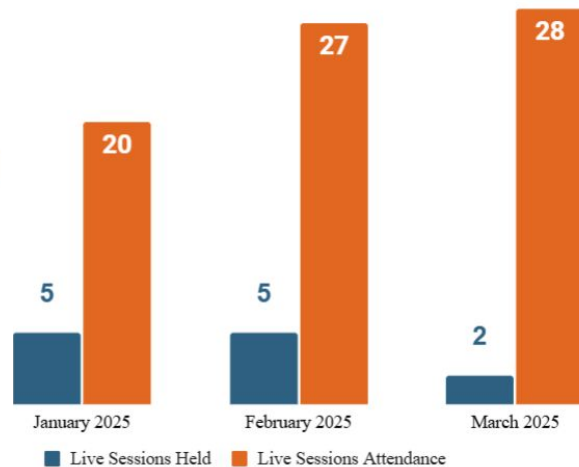
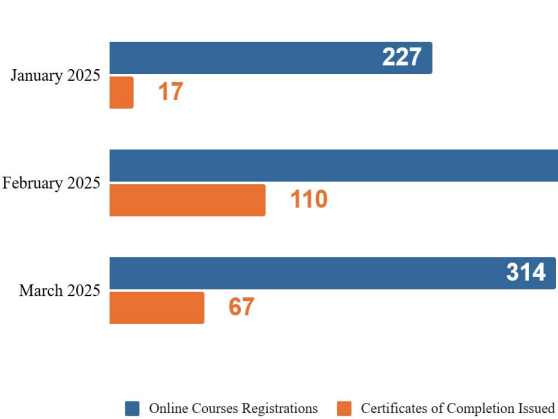


Online Courses

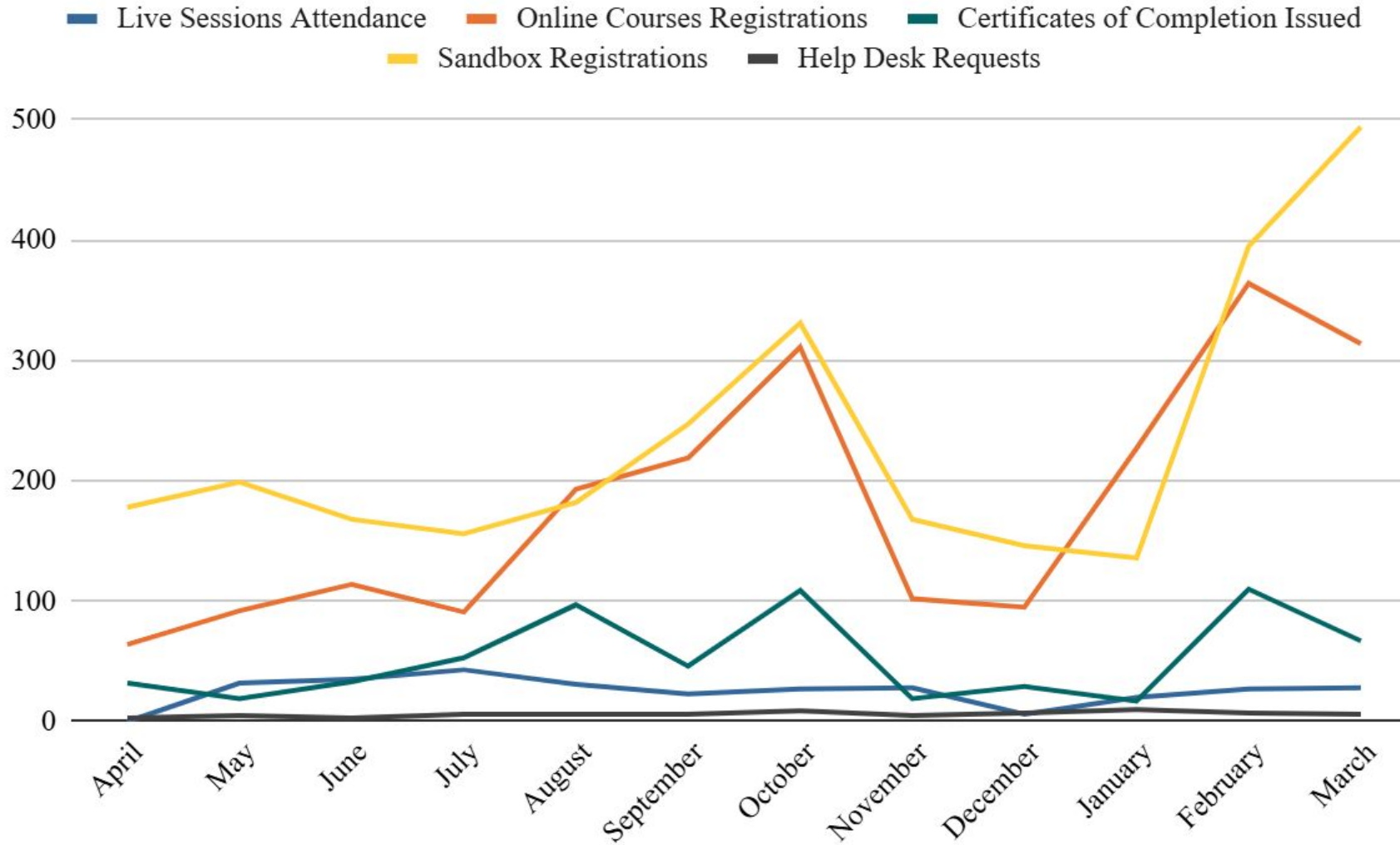
Live Sessions

Sandbox and Helpdesk

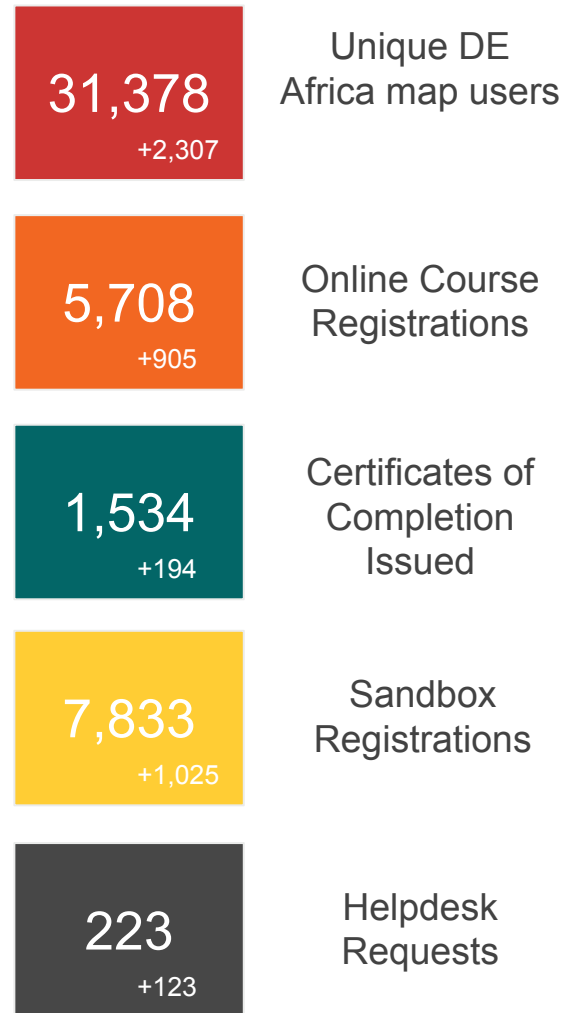
Cumulative Map Users



April 2024 to March 2025 User Engagement Trends



All time User Community



Demonstrating Impact

Major Achievements, Events, and Milestones

- The website refresh process was started, and the site is currently being developed with the final content checks underway.
- A strong relationship was built with a journalist from DRC to create grassroots-based educational content, while content gathering meetings with organizations such as SAHEL, Aghrymet, CSE, and AFRIGIST were held to provide any support in developing communication plans.

Publications and Articles

- Three articles gained media attention, including one from [RCMRD on wetlands, Ghana erosion project](#), and another from [DIWASA discussing how different ministries are utilizing DE Africa's data](#).
- Furthermore, an [article highlighting Juliet Iebengu](#), co-president of AWGIS was published, with an additional one discussing the [impact of flood mapping in Koja](#), validating DE Africa's data and showcasing her as a change-maker in the field.

Social Media Posts

- [3rd edition of DE Africa newsletter distributed on 26 March 2025.](#)
- The impact of DE Africa's tools and data was effectively communicated through various channels, with 49 tweets on [Twitter \(X\)](#), 46 posts on [LinkedIn](#) and 16 articles published on the [website](#), enhancing visibility and engagement with audiences.

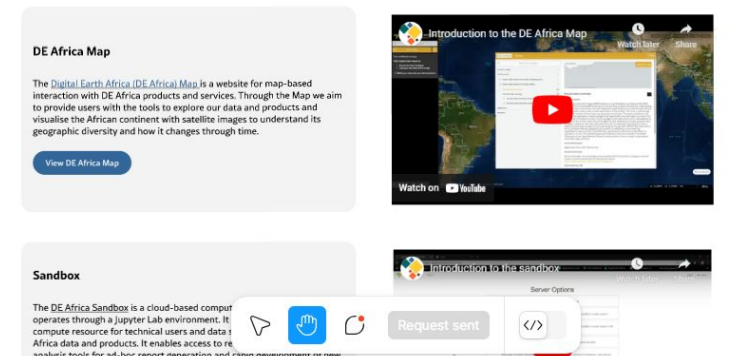
Interviews and Broadcasts

- DE Africa was highlighted during an interview with the Egypt Ministry of Irrigation and Water Resources, which led to the creation of an article that is now awaiting approval.
- DE Africa is working on grassroots-level content in collaboration with a journalist in the Kasai Region, DRC, which will serve local communities and unfold as an ongoing story.



Platforms aimed at providing access to DE Africa data

We are committed to provide a suite of platforms that cover the entire African continent, including analysis-ready datasets and services that translate Earth observation data into meaningful information for users.



Description

Real-World Impact Report: Coastal Erosion Monitoring in Comoros

The Regional Centre for Mapping of Resources for Development (RCMRD), supported by Digital Earth Africa, successfully conducted a field mission to monitor and mitigate coastal erosion in Comoros. This initiative plays a critical role in safeguarding Comoros' fragile coastlines, ensuring the resilience of local communities, and protecting key economic activities such as fishing and agriculture.

Leveraging Digital Earth Africa's Earth observation tools, the mission identified 89 coastal erosion hotspots, with significant impacts observed in Grande Comore (60 sites) and Moheli (19 sites).

The mission facilitated partnerships between RCMRD, Comoros Cartographic Unit, Bureau Géologique des Comores, Moheli National Park, and other local institutions to enhance long-term coastal management.

"Coastal erosion is more than an environmental issue—it's an economic and social threat," said Dr Lisa-Maria Rebelo, Acting Managing Director and Lead Scientist at Digital Earth Africa. *"This project shows how Earth observation technology can provide actionable data to inform prevention strategies and long-term planning. By simplifying access to advanced Earth observation data, Digital Earth Africa plays a crucial role in fostering resilience and sustainable coastal development across the continent."*



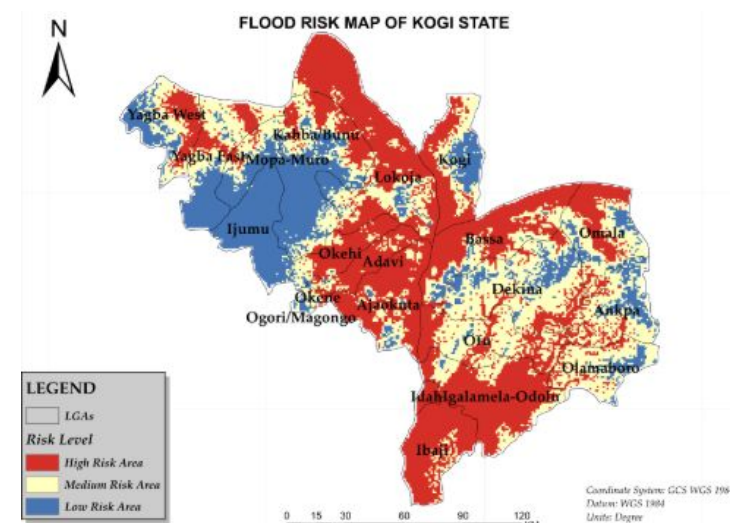
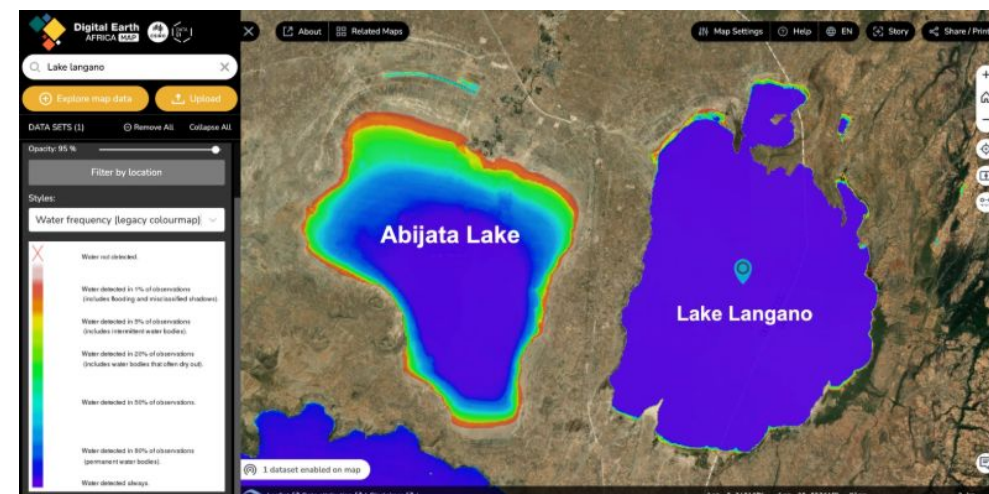
Coastal erosion in Comoros



Driving Brand Awareness

Publications and Articles

1. Ethiopian government departments use DE Africa to help support water security solutions | Digital Earth Africa
2. The time is now to leverage available data to inform annual flood risks in Kogi State, Nigeria | Digital Earth Africa
3. DE Africa champion Juliet Ibenegu, passionate about gender inclusivity in the geospatial industry | Digital Earth Africa
4. Dr Lisa-Maria Rebelo appointed as Acting Managing Director for Digital Earth Africa
5. OECD Sahel and West Africa Club and Digital Earth Africa: A Shared Vision for Data-Driven Insights for Africa
6. Safeguarding Comoros' Coastlines: A Landmark Field Mission to Monitor Coastal Erosion
7. Strengthening Africa's Future with Earth Observation: Julius Buyengo on RCMRD's Partnership with DE Africa
8. Chris Mesiku: "How Digital Earth Africa Changed My View on African-Driven Solutions"
9. Bridging Geospatial Innovation and Capacity Building: Sena ADIMOU on AFRIGIST's Partnership with DE Africa



Driving Brand Awareness

Publications and Articles

10. Women Leading Change with Digital Earth Africa
11. DE Africa's tools are revolutionising how coastal erosion is studied in Ghana
12. Digital Earth Africa at the 5th Big Data Africa School: Empowering the Next Generation of Data Scientists
13. UGAMA Embraces Earth Observation for Climate-Resilient Agriculture in Rwanda
14. Empowering communities with earth observation data: FarmCom's mission to preserve Kilifi's mangroves
15. Demystifying erosion in the DRC – a journalist investigates
16. Unlocking Agricultural Insights: AGHYRMET and Digital Earth Africa's Crop Mapping Initiative

Media Mentions

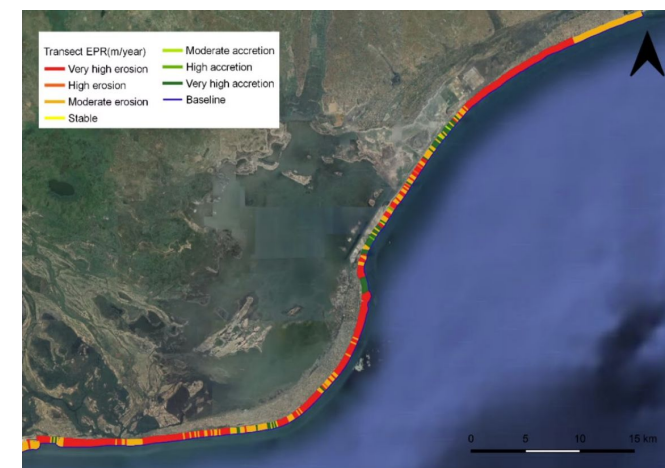
- Transforming coastal erosion research in Ghana with Digital Earth Africa - Business Ghana
- Transforming coastal erosion research in Ghana with Digital Earth Africa - Modern Ghana
- Transforming coastal erosion research in Ghana with Digital Earth Africa - Ameyaw Debrah
- Home Travel Harnessing Satellite Technology to Combat Coastal Erosion in Ghana - Brand Icon Image



A view of the Shyogwe dam (2017 left and 2022 right) from analysis done by training participants from Umuryango wo Gushyigikira AMakoperative (UGAMA),



Journalist Ruben Nyanguila, investigating erosion in the DRC



A view of Ghana's coastline from DE Africa's Coastlines Monitoring Service



Social Media Engagement

X (Twitter)

Metric	January 2025	February 2025	March 2025
Total followers	7,323	7,318	7,319
Mentions by others	11	17	20
Retweets	8	34	16
New followers	-10	-5	1
Engagement rate	4,5%	5,3%	5,81%
Total tweets	8	21	20

LinkedIn

Metric	January 2025	February 2025	March 2025
Total followers	8,675	8,921	9,112
New followers	130	241	583
Post shares	36	49	48
Engagement rate	10%	10,05%	18,08%
Total post reactions	235	702	565
Total posts	10	20	16

Website

Metric	January 2025	February 2025	March 2025
Total users	3k	3,3k	2,8k
New users	2,7k	2,8k	2,8k
Returning users	849	1k	1k
Average engagement time	3m 57s	9m55s	5m23s
Views	21k	34k	24k

Newsletters

Delivered to 7,660 people

2,758 read the newsletter

Blog articles

16

Articles published

Media Mentions

4

Media mentions in Ghana



Acknowledgements



Australian Government





Digital Earth
AFRICA

Connect with us

- Website: <https://www.digitalearthafrica.org>
- Maps: <https://maps.digitalearth.africa>
- Learning Platform: <https://learn.digitalearthafrica.org>
- User guide: <https://docs.digitalearthafrica.org>

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