

**Digital Earth**  
AFRICA

# **DE Africa Quarter 3 Program Report**

October – December 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 implementation of the Q3 of the 2025–2026 Work Plan (October to December 2025) was characterised by strong governance, ongoing progress in science and technology capabilities, and an increase in in-country engagement and capacity building across Africa.

A significant governance milestone was reached with the appointment of the International Centre of Insect Physiology and Ecology (icipe) as the Long-Term Owner of Digital Earth Africa. Program oversight was reinforced through the successful convening of TAC #23 and IAB #4 meetings, alongside ongoing implementation of the Monitoring, Evaluation and Learning processes and finalisation of the Mid-Term MEL Report (v2).

Science and technology delivery progressed steadily, with continued development of continental workflows and services, establishment of new Sentinel-5P and Sentinel-3 data pipelines, and platform upgrades that improved performance, reliability, and scalability. These advancements supported increasing operational use of DE Africa services across multiple thematic areas, including water, land, agriculture, and coastal monitoring.

Capacity development and user engagement expanded across Q3, with 124 participants attending live training sessions, 700 online course registrations, and 125 certificates of completion issued. Platform engagement also increased, with 982 new Sandbox registrations and 152 help desk requests, reflecting growing demand for technical support. Usage of DE Africa Maps continued to rise steadily, reaching 37,903 users by December 2025.

A total of 26 publications, including use case stories, changemaker profiles, partnership features, and press announcements, documented the programmes expanding reach and real-world application across Africa. The 6th edition of the DE Africa newsletter disseminated to 9,201 people further reinforced sustained engagement with the programmes user and partner community.



# 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



# Program Delivery

## Governance and Oversight

- A major milestone was achieved during Q3 with the formal confirmation of the program's Long-Term Owner. [The appointment of the International Centre of Insect Physiology and Ecology \(icipe\)](#) based in Nairobi, Kenya, was announced publicly on 27 November 2025.
- TAC #23, held on 18 November 2025, provided focused discussion on strengthening engagement with academia and government, alongside review of the prioritisation matrix to guide future entry points and identification of partners.
- IAB #4 was held on 3 December 2025, further reinforcing oversight and continuity at the advisory level.

## Monitoring, Evaluation and Learning (MEL)

- The Mid-Term Report (v2) was finalised following internal review and feedback from the Leads, providing an updated assessment of progress against outcomes and impact measures.
- Following the Leads Workshop (25–28 November), enhancements to the MEL system were initiated to improve indicator clarity, address consistency issues, and incorporate additional measures.

## Diversity, Inclusion and Equity (D&I)

- In Kenya, DE Africa supported the Chemichemi Foundation in delivering training to students with hearing impairment at Kasarani Treeside, as part of the RIIS organised “*Space for All*” initiative held alongside World Space Week 2025.
- The quarterly D&I meeting was held on 9 December 2025 and chaired by Laura Mugeha (Youth Mappers). The session, titled “*Sustaining Our Commitment: D&I in a Shifting Global Landscape*”, provided a forum to reflect on evolving global contexts while reaffirming DE Africa's inclusion priorities.



# Program Delivery

## Systems and Operational Tools

- The quarter marked a key transition in operational systems with the readiness of the new Caspio platform.
- By early December, the platform was confirmed as ready for handover, and the formal transition process commenced on 8 December 2025.
- Initial handover activities were completed during Q3, with final migration steps scheduled for January 2026. Full team onboarding, training, and utilisation of the new platform are planned for completion by the end of January 2026, strengthening operational efficiency and reporting capability.

## Operations and Program Management

- A four-day Leads Workshop held from 25–28 November enabled the team to collectively review, refine, and finalise the annual workplan, ensuring alignment across functional areas and clarity on priorities.
- Routine operational governance was maintained through monthly operations meetings, including the December meeting held on 2 December, and a dedicated Risk Review Meeting on 11 December. These forums ensured ongoing risk monitoring and proactive issue management.
- In support of long-term sustainability, the RIIS Transition-Out Plan was drafted and formally submitted to Geoscience Australia, providing a structured pathway to support the transition to long-term ownership.



# MEL Quarterly Results

Diversity (gender, age, country, language), operational Interim Advisory Board and Technical Advisory Committee, with meetings occurring regularly

**Target = None**  
Number of women IAB and TAC members



**Q3 Status: On track**  
IAB - 3 (33%); TAC - 2 (12%)

**Target = None**  
Number of African countries represented at IAB and TAC



**Q3 Status: On track**  
IAB - 6; TAC - 11

**Target = None**  
Number of languages of IAB and TAC members



**Q3 Status: On track**  
IAB - 4; TAC - 2

**Target = None**  
Age range of IAB and TAC members



**Q3 Status: On track**  
GB: 36 - 44 = 20%; 45 - 54 = 20%; 55 - 64 = 40%; unknown = 20%

**Target = 4**  
Number of IAB meetings hosted annually



**Q3 Status: On track**  
3 IAB meetings held

**Target = 4**  
Number of TAC meetings hosted annually

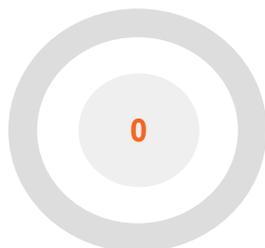


**Q3 Status: On track**  
3 TAC meetings held

PMO leading the effective implementation of DE Africa, including robust planning, reporting, financial management, and administration

Cross sector business model implemented

**Target = 1 every 5 years**  
Long-term strategy implemented



**Q3 Status: At risk**  
Long term strategy under development

**Target = 1**  
Approved annual workplan



**Q3 Status: Complete**  
2025/26 workplan approved

**Target = 4**  
Number of quarterly reports developed



**Q3 Status: On track**  
Q3 report in draft

**Target = 1**  
Annual report developed annually



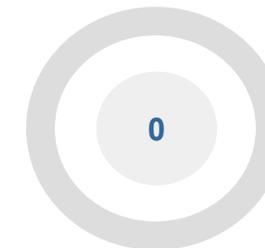
**Q3 Status: Complete**  
2024/25 complete and published

**Target = 1**  
Accurate, timely financial statements developed annually



**Q3 Status: Complete**  
2024/25 financial statement submitted

**Target = 1**  
Cross sector business model implemented



**Q3 Status: Off track**  
No implementation



# MEL Quarterly Results

## Development of new products as per Technical Roadmap

**Target = None**  
use cases supported



**Q3 Status: On track**

24 use cases supported in Q3

**Target = None**  
external datasets made available



**Q3 Status: On Track**

7 datasets made available in Q3

**Target = None**  
new notebooks developed

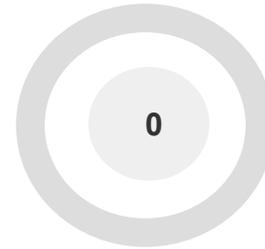


**Q3 Status: On Track**

2 new notebooks developed in Q3

## Partnerships with pan African organisations, governments, and learning institutions formed

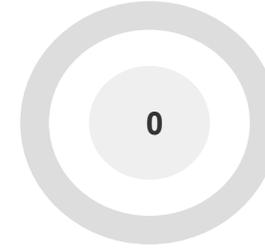
**Target = 10**  
partnerships with key pan African organisations established



**Q3 Status: On track**

No new partnerships established in Q3

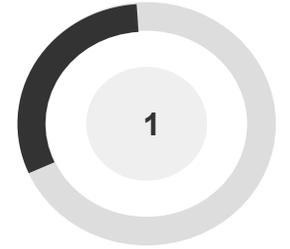
**Target = 6**  
partnerships with African governments formed



**Q3 Status: On track**

Pending agreements

**Target = 3**  
partnerships with learning institutions



**Q3 Status: On track**

1 agreement initiated

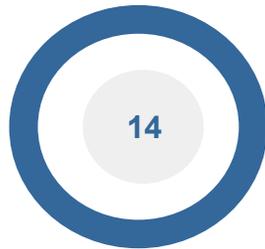
## African governments and institutions are utilising DE Africa services and systems

**Target = 6**  
new governmental organisations accessing DE Africa data and services



**Q3 Status: Target Exceeded**  
Including all WACA/ORLOA member countries

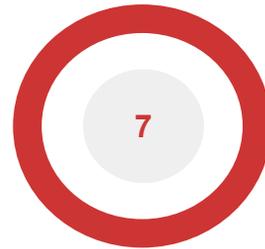
**Target = None**  
use cases supported from African governments and institutions



**Q3 Status: On track**

## Capacity building programs conducted for diverse trainee base

**Target = 5+**  
capacity building programs implemented



**Q3 Status: Target exceeded**  
7 conducted during Q3

**Target = None**  
capacity building program attendees



**Q3 Status: On track**  
296 (186 M; 110 F) attended during Q3

## Content showcasing benefit to DE Africa users

**Target = 8**  
use cases and user profiles developed and published



**Q3 Status: Target Exceeded**  
16 use cases and user profiles published in Q3

**Target = 5+**  
relevant EO and space events attended



**Q3 Status: Target Exceeded**  
8 EO and space related events attended in Q3

# Partnerships



## Ongoing Enabling Partnerships

- **Group on Earth Observations (GEO)** Digital Earth Africa maintained engagement with GEO through sponsorship and active participation in the AfriGEO 2025 Symposium in Dakar, Senegal. In addition, a new partnership was finalised with the GEO Land Degradation Neutrality (LDN) Flagship, strengthening alignment with continental land restoration and sustainability priorities.
- **Esri** Engagements with Esri continued during the quarter, including discussions on a joint AfriGEO session and collaboration on an Esri Learn lesson focused on DE Africa's Coastlines Monitoring service, supporting wider dissemination and uptake of DE Africa products through established GIS learning channels.
- **Amazon Web Services (AWS)** Collaboration with AWS remained focused on strategic communications, with the publication of a joint blog post titled "How open data is supporting more sustainable development in Africa", highlighting the role of cloud-enabled open data in advancing development outcomes.

## New and Emerging Partnerships

Concept notes, letters of collaboration, and draft agreements were progressed with new institutional partners across multiple regions, including:

- Letter of collaboration signed with Africa Space Works (Algeria)
- MoU drafted with City of Sciences and Innovation, Ministry of Higher Education (Guinea)
- MoU drafted for The Department Of National and Wildlife (DNPW) (Zambia)
- Concept note finalized with the Ministry of Water and Irrigation (Egypt)

These partnerships collectively strengthened DE Africa's reach across air quality, land degradation, water management, urban systems, and capacity development, and laid the groundwork for deeper country-level engagement in subsequent quarters.



# Implementing Partner Activities



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

- No workplan activities to report in Q3.



## Agriculture, Hydrology, Meteorology Regional Centre (AGRHYMET)

- Contribution to the AGRHYMET/ CILSS bulletin on crop monitoring campaign
- Regional workshop on food security held
- Support for participation to the AfriGEO 2025 symposium in Senegal
- Held Science Open Day on 12 December



## Centre de Suivi Ecologique (CSE)

- West African Regional Coastal Observatory (ORLOA) workshop held on 1 to 5 December



## The Sahara and Sahel Observatory (OSS)

- Held the 5th online workshop for Co-Development of Use cases using Digital Earth Africa services on 21 October 2025
- Second workshop series held for results sharing knowledge and feedback in Tunisia on 18 to 19 November 2025



## Regional Centre For Mapping Of Resources For Development (RCMRD)

- No workplan activities to report in Q3.



*DE Africa's Acting Managing Director Dr Lisa Rebelo and Communications lead Caroline Sang with IPs at AfriGEO in Senegal*

DE Africa convened meetings with all implementing partners during AfriGEO 2025 in Dakar, focusing on completion of remaining workplan activities and forward planning for sustainability beyond the current funding phase.



# Science and Technology

## Continental Services and Scientific Workflows

During the quarter, continental service development continued to mature, with multiple scientific workflows progressing from prototyping toward operational readiness.

- Implementation of the Wetlands Monitoring Service advanced through collaboration and data sharing with the Ramsar National Focal Point in Zambia, alongside formalisation of engagement through an MoU with the National Remote Sensing Centre.
  - Validation of wetlands outputs for Senegal was completed by CSE.
- Development of the Water Quality Service continued, with continental processing implemented under Work Package 1.5, and map and dashboard design and testing progressing under Work Package 1.6 for selected waterbodies.
  - Terrain indices prototyping and testing were completed, strengthening analytical foundations for land and water applications.
- The Coastlines Monitoring Service was enhanced through updates to tidal modelling, improving accuracy for coastal erosion and mangrove analysis.

## Datasets, Pipelines, and Analytical Tools

Work on datasets, pipelines, and analytical tools continued, supporting the expansion of continental analysis capabilities. Preparatory work progressed for Sentinel-5P and Sentinel-3 Land Surface Temperature ingestion, supported by the development of dataset loading notebooks. Development of a QGIS direct access plugin continued, improving interoperability with desktop GIS environments.



# Science and Technology

A number of notebooks were updated or newly delivered during the quarter, including:

- Drafting of the Annual Water Quality Service dataset notebook
- New notebooks for methane emissions quantification (Africa Space Works), land degradation analysis (GEO LDN), and agricultural applications (SASSCAL AgriWatch)
- Updates to notebooks for coastal erosion, mangrove analysis, FAO crop type mapping, and irrigation water consumption, including collaboration with the Ministry of Water and Irrigation (Egypt)

Functionality to export Sandbox outputs to Google Drive was implemented, improving user workflows.

## International Science Engagements

Digital Earth Africa contributed to a range of regional and international scientific forums during the quarter, strengthening scientific visibility and partnerships. These included:

- Pan-African Symposium on Digital Solutions for Water Management, Addis Ababa, Ethiopia
- Ghana Space Conference, Accra, Ghana
- NASA Space Apps Challenge 2025, organised by RIIS in Nairobi, Kenya
- Nairobi Space Week, Kenya
- AfriClimate AI Forecast4Africa Co-Development Workshop, Pretoria, South Africa
- Africa's Women in Space Conference, Nairobi, Kenya



*DE Africa's EO Scientist Victoria Neema at the NASA Space App conference in Kenya with RIIS' Principal Sylvesters Okello*



# Science and Technology

## Technical Support and Use Case Development

Targeted technical support continued to be provided to partners across the continent to support use case development and applied analysis, including:

- Africa Space Works (Algeria): methane analysis
- DIWASA (Ethiopia): notebook development
- SASSCAL AgriWatch: agricultural monitoring workflows
- GSSTI (Ghana): crop type mapping
- SWAC: urban resilience assessment approaches
- Northern Rangelands Trust (Kenya): dashboard interface development
- NEMA Uganda: UAV imagery segmentation
- Ministry of Water and Irrigation (Egypt): irrigation water requirements and flood mapping



# Science and Technology

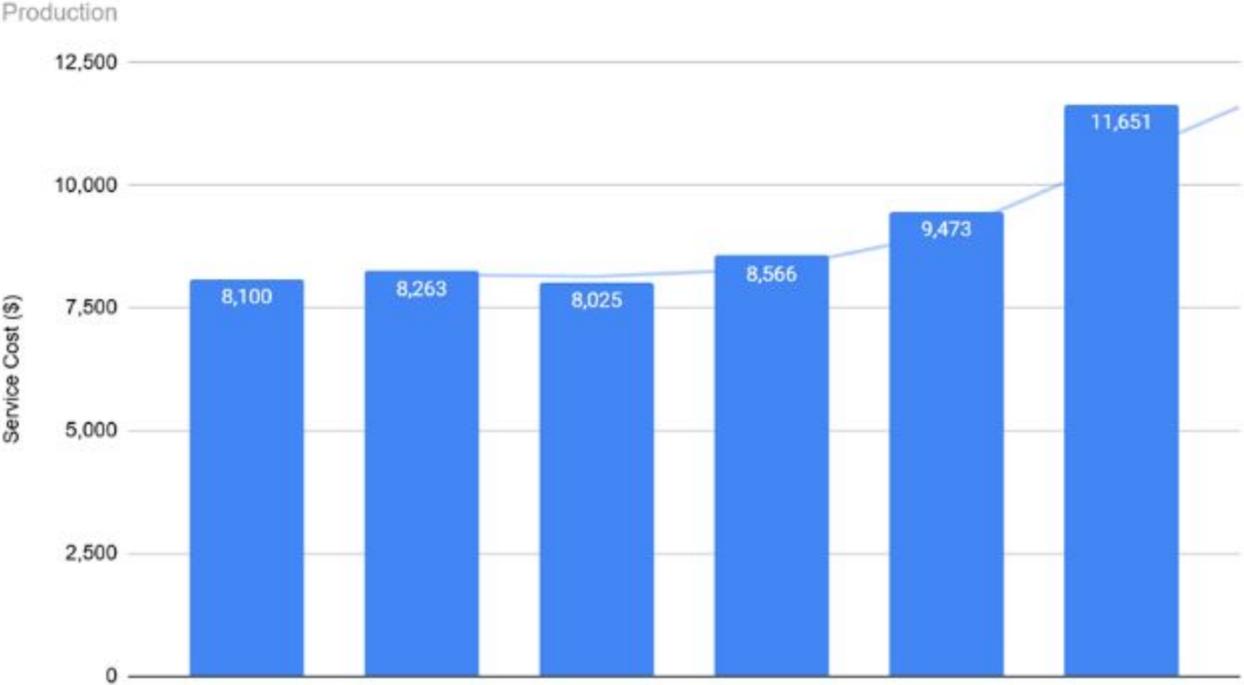
During Q3, Digital Earth Africa strengthened platform performance, reliability, and cost efficiency to support growing user demand and expanded data services

- Improved platform performance and reliability through completion of a database performance review, targeted optimisations, and upgrades to core platform components, supporting increased system availability and responsiveness.
- Upgraded and modernised infrastructure, including EKS 1.32 across all environments, JupyterHub, the Sandbox image, Explorer, and Kubecost, strengthening security, stability, and cost visibility.
- Expanded continental data availability, with Sentinel-5P datasets indexed in production and the Sentinel-3 automated pipeline designed, tested, and deployed.
- Advanced new data pipelines, including commencement of Sentinel-1 Monthly Mosaic development and continued progress on Sentinel-3 Land Surface Temperature ingestion.
- Strengthened user access and governance, through deployment of Cognito user reporting, completion of AWS and GitHub access reviews, and initiation of PDS bucket access analytics.
- Improved cost efficiency and scalability, with optimisation of development web nodes and updates to processing infrastructure in the Cape Town region.



# Science and Technology

Total Cost by Month - 2025



Total Cost by Month - 2025



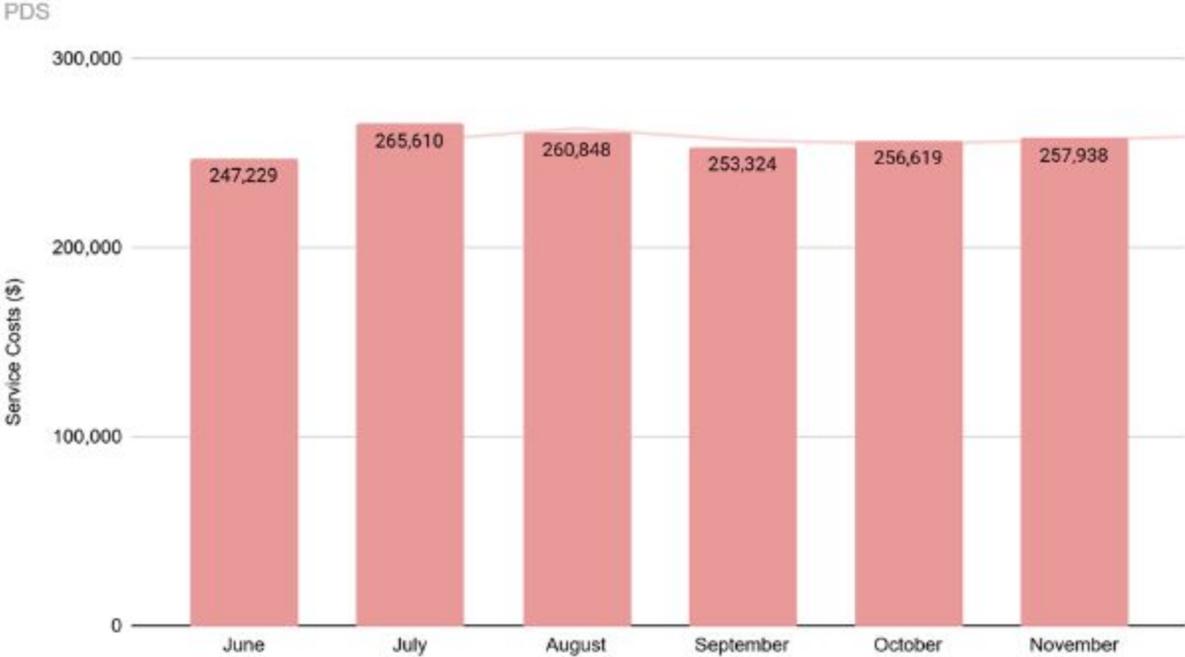
**Production Costs:** The production service costs increased due to increased database activity as a result of Sentinel-3 and Sentinel-5p indexing.

**Development Costs:** Development costs also remain stable.



# Science and Technology

Total Cost by Month - 2025



**PDS Costs:** PDS costs remain stable.

Compute Breakdown by Purchase Option (EC2)



**EC2 Production Costs:** EC2 production costs remain stable



# 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

## Strengthening Country-Level Engagement and Uptake

- Deepened engagement in priority countries across West, East, North, and Southern Africa through participation in high-impact regional, national, and sector-specific forums, reinforcing DE Africa's relevance to government, academia, and practitioners.
- Advanced coastal and water management applications, including participation in the West African Regional Coastal Observatory (ORLOA) in Senegal, convening 24 experts from 12 countries to address coastal erosion, marine submersion, and vulnerability using DE Africa services.
- Strengthened national institutional coordination in Senegal through engagement with the Pan African Consortium of Experts (PACE), convening participants from ANSD, CSE, the Statistical Training School, and the University of Cheikh Anta Diop (UCAD) to reinforce follow-on uptake from earlier DE Africa and PACE training.
- Convened large-scale policy–science dialogue on water management through the IWMI–DE Africa Pan-African Symposium on Digital Solutions for Water Management in Addis Ababa, Ethiopia, engaging over 200 policymakers, researchers, innovators, and practitioners from across Africa and beyond.
- Scoping areas of collaboration with Rwanda Space Agency, the focus will be on environment and capacity building, starting with an exploratory session in January 2026. Later on, the partnership will be formalized through MoU/Letter of collaboration



DE Africa's Technical Manager Edward Boamah at the Ghana Space Conference



West African Regional Coastal Observatory (ORLOA) in Senegal



DE Africa's A/MD Dr Lisa Rebelo at PACE offices in Senegal



DE Africa, represented by Engagement Manager Joseph Tuyishimire, and the Rwanda Space Agency (RSA) agreed to focus on environment and capacity building with an introductory session in January 2026

# In-Country Engagement

Strengthened national and regional geospatial ecosystems through active participation in flagship events such as:

- AfriGEO 2025 (Dakar), including opening remarks, data and infrastructure sessions, and demonstration of DE Africa's coastal services.
- Kenya Space Innovation and Investment Forum (KSIIIF 2025), alongside the Africa Earth Observation Challenge (AEOC) finals and the 9th African Space Generation Workshop, engaging 95 youth and innovators from five countries.
- Ghana Space Conference and UN-GGIM Africa / Africa GIS, with focused engagement on decision-ready EO data for SDG tracking and national statistics.

## Capacity Building, Youth and Community Engagement

- Expanded practical user engagement and skills transfer through targeted workshops, mentorship, and hands-on sessions, including:
  - Practical training sessions on translating satellite data into decisions (Ghana).
  - Mentorship support for NASA Space Apps Challenge 2025 participants in Kenya.
  - Engagement with RCMRD GIS Day, Esri Rwanda GIS Day, and national GIS forums.
- Strengthened inclusive and youth-focused engagement, including participation in Africa's Women in Space Conference (AWiSC 2025) and school-level outreach during Nairobi Space Week.



# In-Country Engagement

- Supported regional centres of excellence and academic partners, including collaborations with IWMI (DIWASA), AGRHYMET, GSSTI, UCAD, and universities in Morocco and Rwanda, linking research, capacity development, and operational uptake.

## Advancing Institutional Collaboration and Use-Case Development

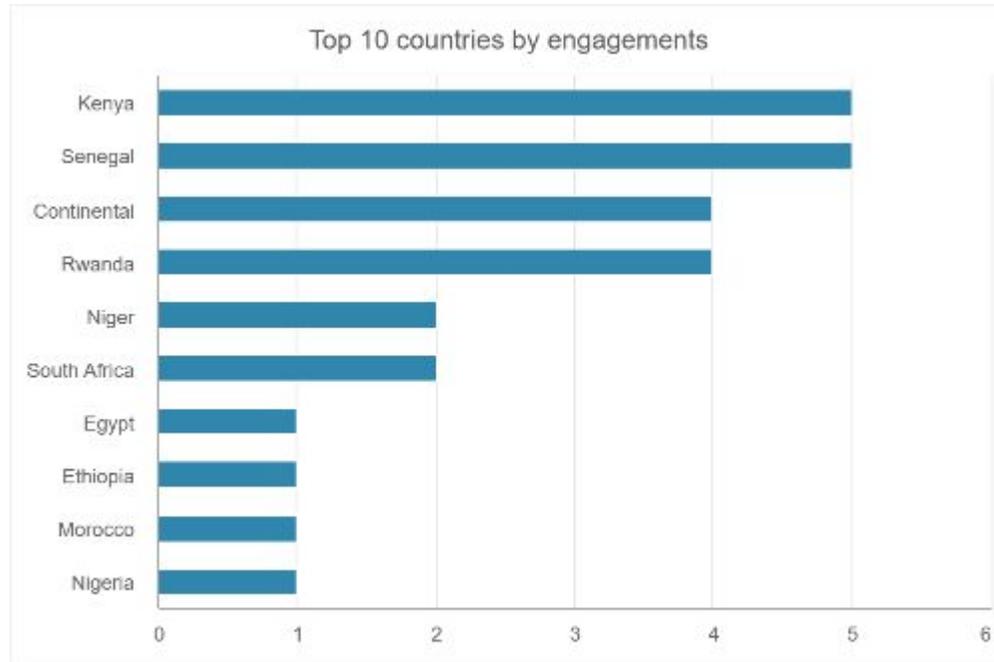
- Progressed institutional collaboration and use-case scoping with national agencies and centres, including:
  - Water and agriculture use cases in Ethiopia, Niger, Nigeria, and Ghana.
  - Carbon stock and biomass estimation discussions with Nigerian partners to support emerging carbon markets.
  - Urban systems, natural resource management, and SDG reporting applications across multiple countries.
- Positioned DE Africa as a trusted partner for governments, space agencies, regional institutions, and academia through consistent technical engagement and follow-on collaboration planning.



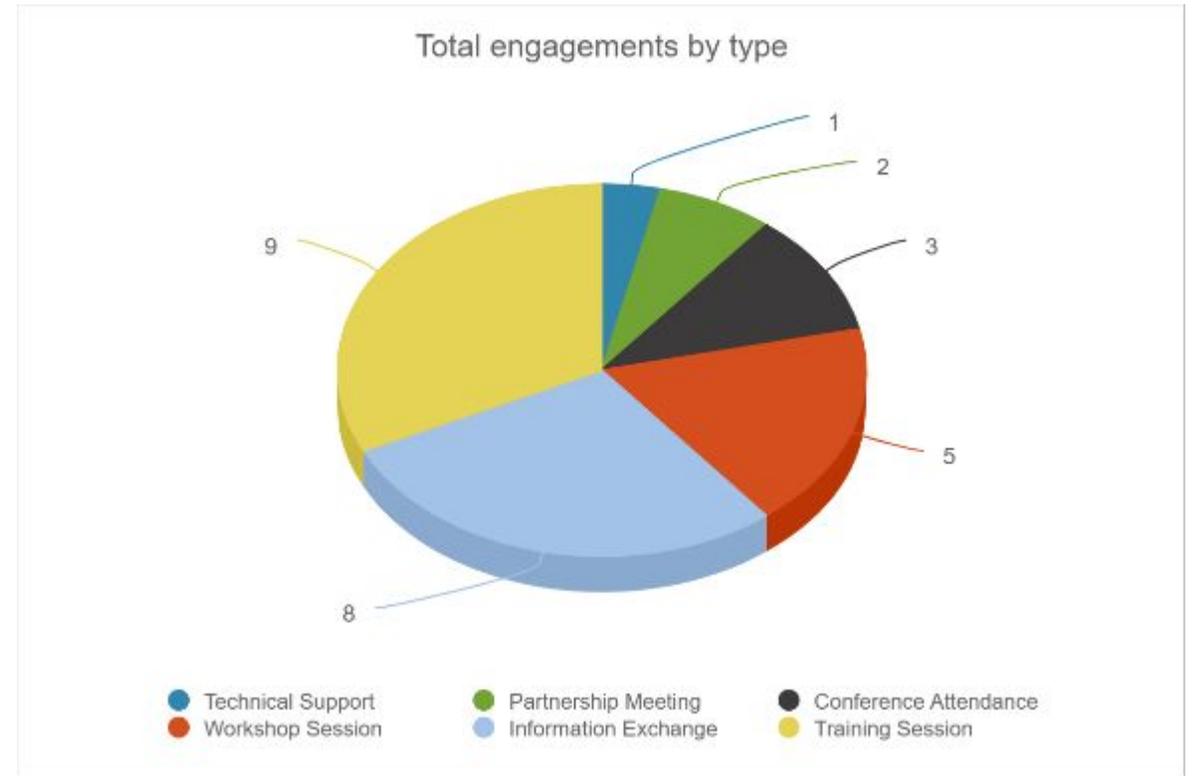
*DE Africa's Capacity Development lead Dr Kenneth Mubea at the DIWASA workshop in Ethiopia*



# Engagements by Numbers



Top countries by number of engagements (October - December 2025)



**Workshop sessions**  
5  
workshop sessions

**Training sessions**  
9  
training sessions provided

**Information sharing**  
8  
information exchanges

**Partnerships**  
2  
meetings held



# Capacity Development

## Strengthening Institutional and National Capacity

Built institutional capacity across government and national agencies through targeted training aligned to policy, planning, and operational decision-making:

- Senegal (ANSD) – strengthened National Statistical System capacity through training of 22 staff on the use of DE Africa data and tools to support evidence-based public policy.
- Nigeria (NASRDA) – delivered a comprehensive series of online training sessions reaching 120 participants, covering water resources, flood risk, agriculture, food security, coastal management, and urbanisation, with follow-on face-to-face engagement and an MoU under development.
- Somalia (Government Ministries) – delivered phased online training to multi-ministry participants, strengthening applications of EO for agriculture, water, disaster risk management, and environmental monitoring, with further support planned in 2026.
- Egypt (Ministry of Water and Irrigation) – provided in-person training focused on irrigation water requirements and flood mapping, laying the groundwork for applied use-case development.



*Dr Kenneth Mubea was joined by Bako Mamane from AGRHYMET during AfriGEO's side sessions with DE Africa stakeholders*



*DE Africa, represented by A/MD Dr Lisa Rebelo, Joseph Tuyishimire and Communications Lead Caroline Sang, partnered with Senegal's Agence Nationale de la Statistique et de la Démographie (ANSD) and UN Women to deliver a two-day training session on the use of Earth observation (EO) data for national development.*



# Capacity Development

## Advancing Academic and Skills Development

Strengthened university-level capacity and applied skills development across multiple countries:

- Kenya (Kenyatta University) – trained 26 undergraduate students in urban planning applications using DE Africa data.
- Rwanda (University of Rwanda / Center for GIS) – trained 39 Environmental Management and Planning students, enhancing advanced EO analysis skills including AI, ML, and cloud-based workflows.
- South Africa (University of Fort Hare) – delivered training to 26 students through SARAO’s Big Data Africa Programme.
- Ghana (University of Cape Coast) – delivered online training to Youth Mappers and geography students to support project-based learning.
- Ethiopia (IWMI–DIWASA) – co-developed an online learning module focused on water balance and irrigation analysis using IWMI datasets through DE Africa.

## Inclusive, Youth-Focused and Regional Capacity Building

- Delivered inclusive capacity development, including training for students with hearing impairment in Kenya in partnership with Chemichemi Foundation under the “*Space for All*” initiative during World Space Week 2025.
- Supported regional centres of excellence, including:
  - OSS (Tunisia) – national workshop on land degradation and soil organic carbon monitoring.
  - AGRHYMET (Niger) – technical sessions on land degradation, restoration, agriculture, and food security in the Sahel.
- Strengthened training pipelines through AfriGEO pre-conference training in Senegal, with follow-up delivery by local partners (CSE), reinforcing sustainability and local ownership.



# Q3 User engagement in Numbers

Q3 2025 vs All time user totals

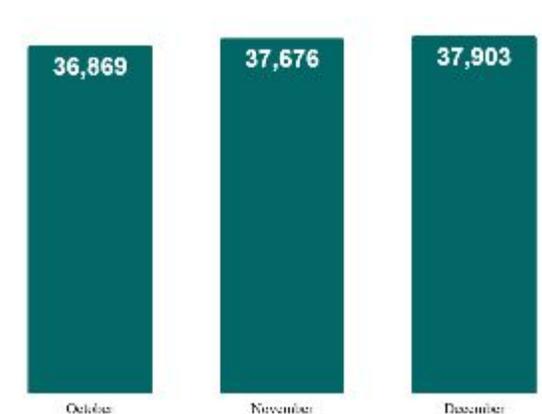
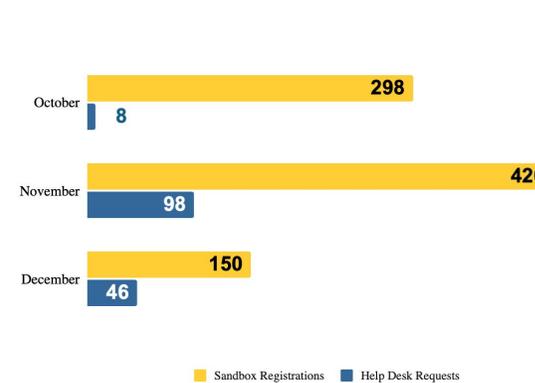
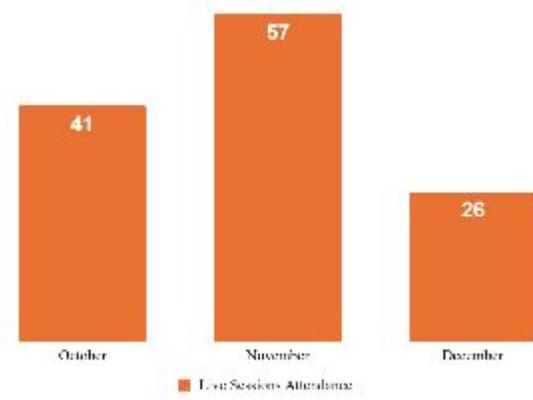
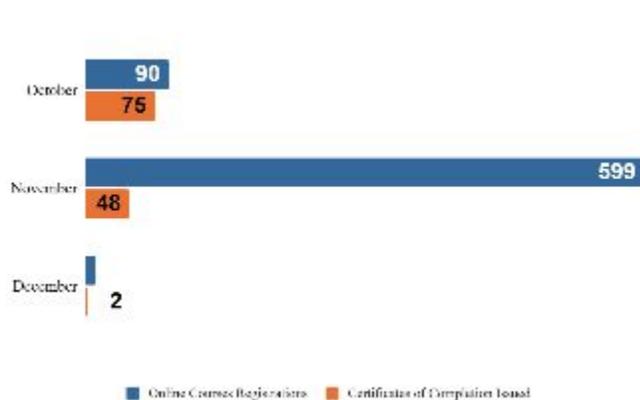


## Online Courses

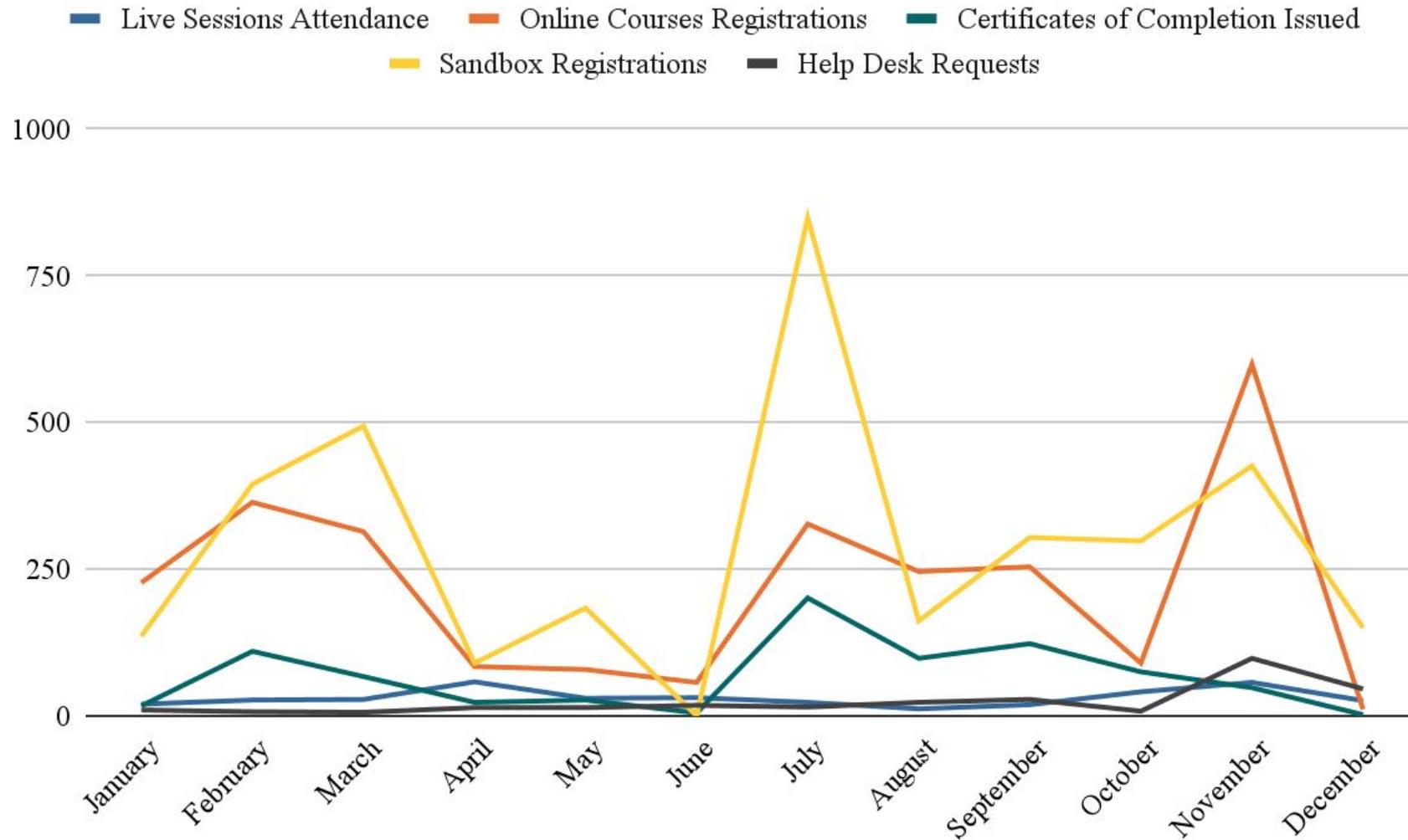
## Live Sessions

## Sandbox and Helpdesk

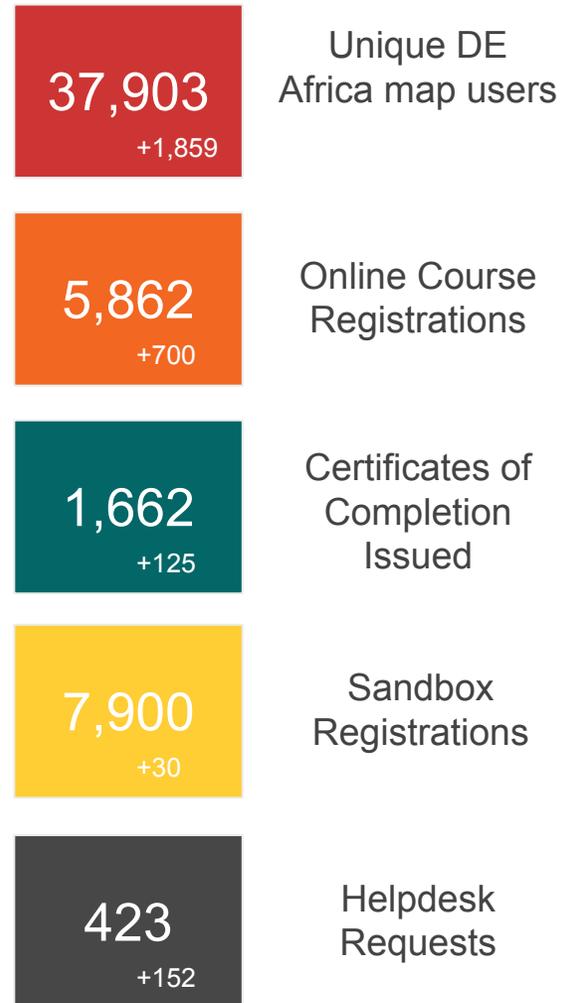
## Cumulative Map Users



# January to December 2025 User Engagement Trends



## All time User Community



# Communicating our Impact

Across the quarter, DE Africa reached over 3.8 million individuals through a total of [26 publications](#) spanning press announcements, thought leadership articles, changemaker stories, and applied use cases. The [6th edition of the DE Africa Newsletter](#) was released, extending the visibility of African-led science, partnerships, and use cases across the continent and beyond.

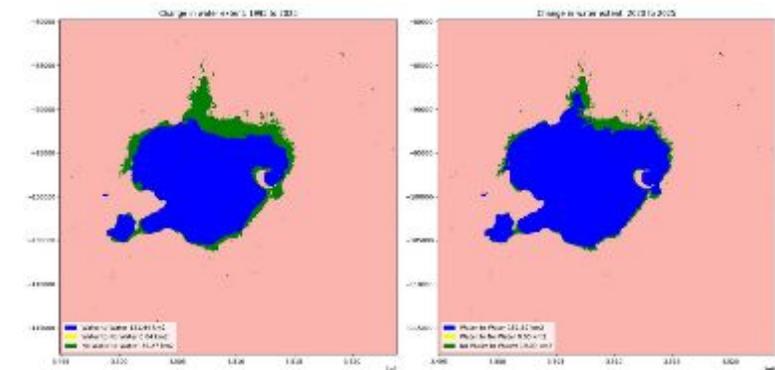
## Changemaker and User Impact Stories

Human-centred stories showcased how African researchers, students, and practitioners are applying DE Africa services and Earth observation data to address key development challenges:

- [Mapping Kenya's Coast: Abigail's Journey](#): A change-maker story on local coastal vulnerability monitoring using DE Africa tools.
- [Tracking Africa's Shifting Shores](#): Led by Prof. Anselme Muzirafuti, the study used DE Africa's continental dataset spanning 2000–2023 to calculate a Long-Term Shoreline Trend indicator, illustrating how satellites help protect coastal communities.
- [Mapping East Africa's Wetlands](#): The Wetlands Monitoring Project in East and Southern Africa (WAMP-ESA), a collaboration between DE Africa, RCMRD, and GA is partner-led application integrating local expertise to safeguard critical ecosystems.
- [Empowering Africa's water stewardship with EO data](#): A practical tool that helps countries assess and report on Sustainable Development Goal Indicator 6.6.1 using satellite-derived data.
- Spotlight: [Julius Mbuvi on harnessing Earth observation to monitor Africa's expanding lakes](#)



*Shoreline dynamics along the coastline of John Obey Beach (Sierra Leone) from 2000 to 2023.*



*Julius Mbuvi has tracked the steady rise of Lake Nakuru over three decades and mapped the Isiolo wildfires of early 2025*

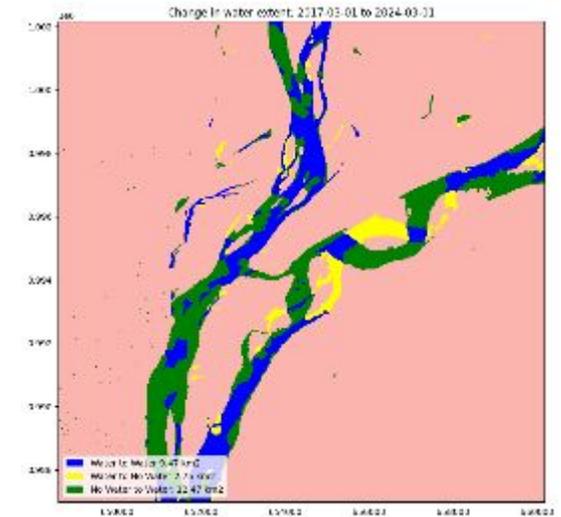


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## Partnership and Capacity Building Highlights

Quarter 3 stories also highlighted institutional and regional partnerships driving impact:

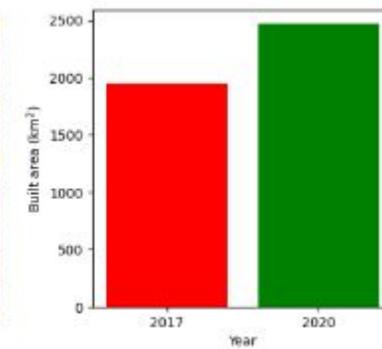
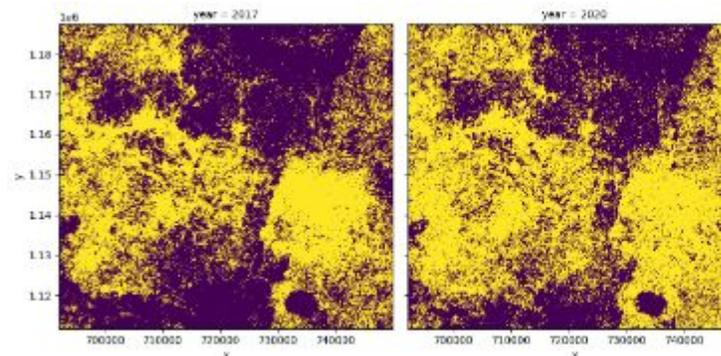
- [Strengthening geospatial capacity in Nigeria through collaboration with DE Africa and NASRDA](#), showcasing skills transfer and operational use capacity.
- [Land monitoring capacity building in North Africa with the DE Africa Sandbox](#), illustrating applied training and adoption.
- [Building Earth observation capacity in Somalia](#), reflecting multi-phase skill development and local uptake of continental services.
- [Circle of agronomy and EO partnership stories](#) demonstrating how agricultural practices are being enhanced through DE Africa datasets and partner co-development.
- [Nurturing the next generation of EO leaders with Digital Earth Africa](#) through the collaboration between DE Africa and the Copernicus Master in Digital Earth (CDE) program. DE Africa has been used in this program as a teaching resource and as an exemplar of an open, operational Earth Observation platform.



Monitoring flood in Lokoja River-Nigeria (2017 and 2024)



Three students and alumni of the CDE program, Leila Maritim, Ethel Ogallo, and Ee-Faye Chong



Urbanization of Abuja-Nigeria: between 2017 and 2020, the city expanded from 1946 to 2468 km<sup>2</sup>

# Social Media Engagement

## X (Twitter)

Metric	October 2025	November 2025	December 2025 (17th Dec)
Total followers	7,532	7,550	7,557
Mentions by others	14	6	3
Retweets	18	8	3
New followers	24	19	7
Engagement rate	7.66%	6.87%	5.68%
Total tweets	26	19	9

## LinkedIn

Metric	October 2025	November 2025	December 2025 (17th Dec)
Total followers	11,886	12,043	12,151
New followers	264	158	79
Post impressions	35,861	16,721	7,825
Page engagement rate	9.36%	7.22%	10.22%
Post engagement rate	9.28%	6.33%	10.32%
Total posts	26	19	9

## Website

Metric	October 2025	November 2025	December 2025 (17th Dec)
Total users	1.2k	1.3k	2.7k
New users	992	322	2.6k
Top countries	China, South Africa, United States	Ethiopia, China, Singapore, Nigeria	United Kingdom, United States, Canada
Significant pages visited	Introduction to DE Africa platforms and Sandbox	DIWASA course	DE Africa learning platform

## Newsletters

delivered to 9,201 recipients

4.2 % Clicks per unique open  
1.2 % click rate

26

articles published

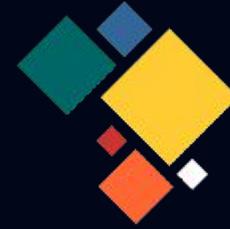


# Acknowledgements



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>

## Follow us on Social Media

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