

OPEN DATA & OPEN KNOWLEDGE Workshop

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Digital Earth
AFRICA



Digital Earth Africa



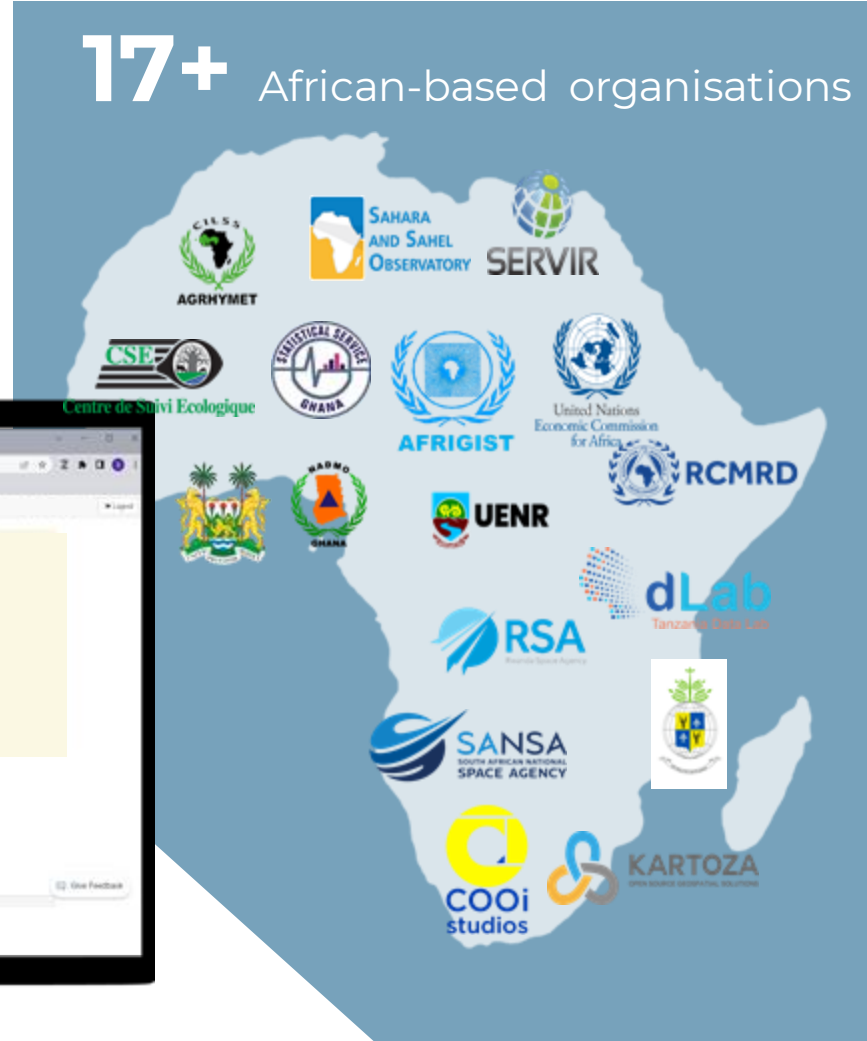
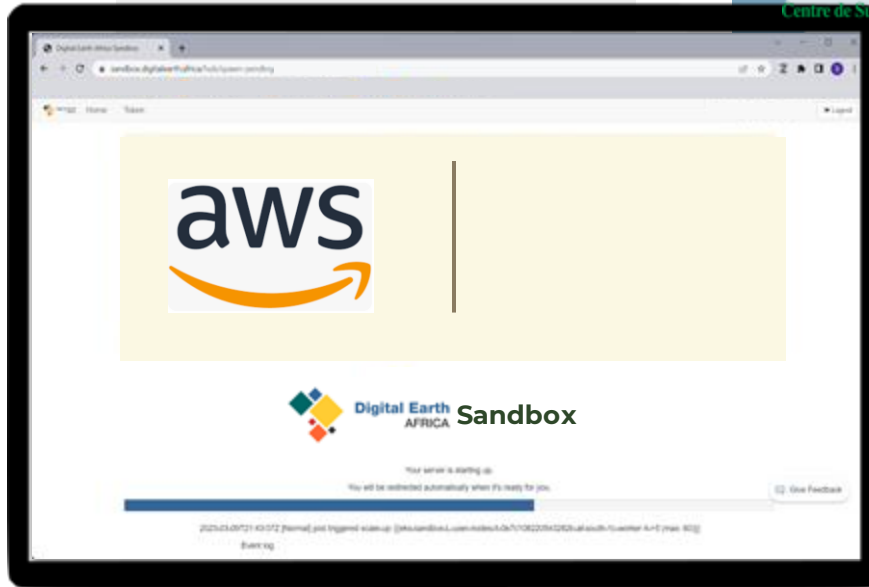
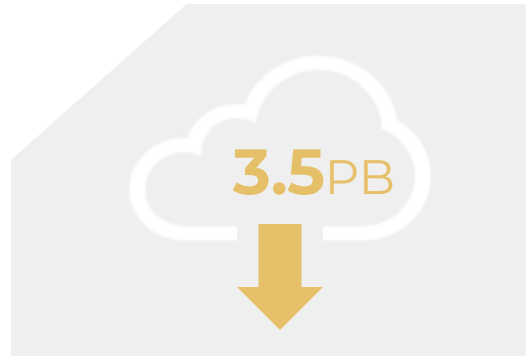
Powered by partnerships, Digital Earth Africa provides a public infrastructure and accessible analytics to **unlock the value of Earth observations.**

Empowering countries across Africa with Earth observation data to enable climate adaptation and mitigation, greater food security and more sustainable development.



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Continental Services



Satellite data available through Digital Earth Africa

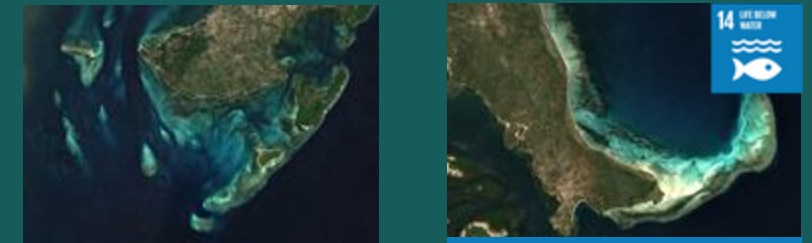


- Completely free, even for commercial use
- Optimised EO data, inc. for web processing
- Complete visibility from the data to the product
- Different interfaces for different needs
- Free online learning platform & helpdesk
- Extensive library of SDG-oriented tools
- Build complex analyses on your topic in your own environment



Link: <https://youtu.be/FVmcEaemfMA>

Find out more technical detail in [Digital Earth Africa Docs](#)



Studying the Tanzanian Coastline with GeoMAD, 2019, RGB



Monitoring crops in Egypt 2001-2020, Landsat, RGB



Monitoring Mount Nyiragongo, 2018 Sentinel-2 RGB and 2021 Sentinel-1



Measuring water extent on rangelands in Etosha National Park, Namibia 1992-2021, Landsat, False Colour

Strategic Priorities



Enhance Country Engagement

DE Africa and Implementing Partners embed DE Africa products and services to **enhance and scale regional activities across Africa**. A roadmap for country engagements that ensures consistent support for countries.



Ensure our Sustainability

DE Africa committed to delivering on partners' strategic goals and strengthening Technical Advisory Committee and Governing Board roles to **ensure sustainable governance**. DE Africa operates efficiently and **deepen key partnerships** for long-term sustainability.



Ensure Climate Action

DE Africa empower climate action by **developing in-country knowledge and skills**. DE Africa ensure decision-ready products are well placed to enable policymakers, scientists, the private sector and civil society to better address climate adaptation, mitigation and reporting.

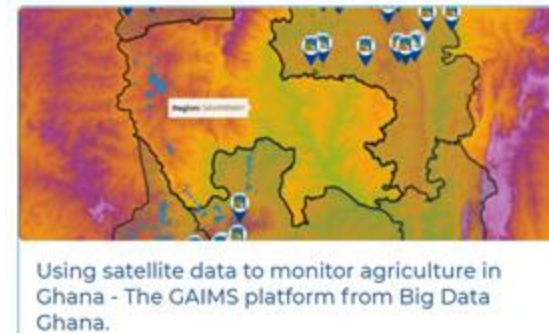


Engage the Community

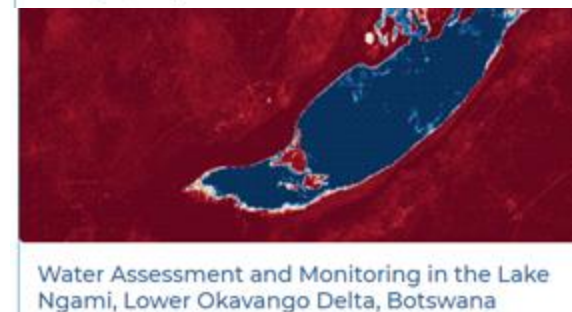
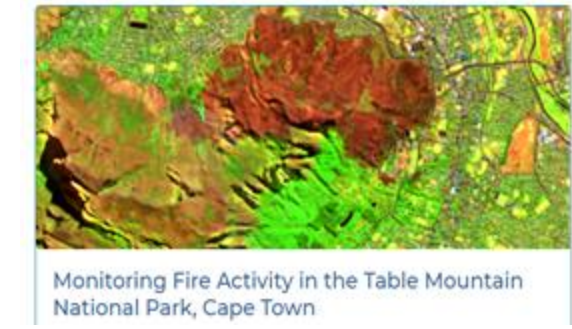
DE Africa address user needs, provide excellent support, increase platform use, continue to capture user impact, and increase visibility of platform champions. DE Africa serve an **audience that meets our diversity and inclusion strategy and** explore bridging science and community action.

Making an impact use cases

- 25 published use case studies (Kenya, Ghana, Tanzania, Botswana, Uganda), across government, industry, academic
- 7 use case studies in development (Senegal, Benin, Burkina Faso, Niger, Botswana, Kenya, Nigeria)
- 2 industry projects supported



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Coastlines in Africa



Mangroves in Zanzibar

[Link: https://youtu.be/FVmcEaemfmA](https://youtu.be/FVmcEaemfmA)

Diversity and inclusion



Congratulations
TO THE WINNERS



Digital Earth
AFRICA



youth mappers



2022 TECHNICAL CHALLENGE



Jokotola Omidiji

Sinethemba Mtshali

Winner

First Runner - Up

Monitoring mangrove forest degradation in parts of Niger Delta

Effects of the Migrant Crisis on the African Continent



Digital Earth
AFRICA

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DE Africa training course

- **Self-paced, free-to-access, fully online:**
 - Videos, recorded tutorials, manuals
 - Hands-on exercises
 - English and French versions
- **Certificate of Completion is awarded upon completion of exercises**



English

Digital Earth Africa
DEA101-en

Introduction to the Digital Earth Africa Sandbox

Starts: Oct 19, 2021

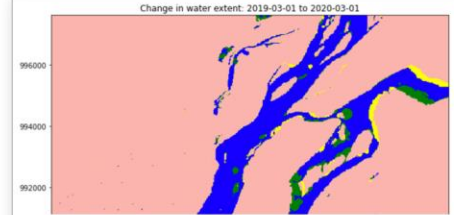


Français

Digital Earth Africa
DEA101-fr

Introduction à la sandbox de Digital Earth Africa

Starts: Oct 19, 2021



Change in water extent: 2019-03-01 to 2020-03-01

Digital Earth Africa
DEA201-en

Digital Earth Africa Water Resources

Starts: Oct 16, 2022



01 Mar 2021
Seasonal MNDWI

Digital Earth Africa
DEA-202

Digital earth afrique ressources en eau

Starts: Jan 30, 2023



Agriculture and food security

Digital Earth Africa
DEA201-en

Digital Earth Africa Agriculture and Food Security

Starts: Feb 1, 2023



01 Mar 2021
Seasonal MNDWI

Digital Earth Africa
DEA_202_FN

Digital Earth Afrique Agriculture et sécurité alimentaire

Starts: Mar 17, 2023

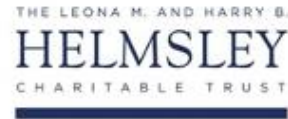
<https://learn.digitalearthafrika.org/>

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Connect with DE Africa

- Website <https://www.digitalearthafrika.org>
- The opportunity to subscribe to the DE Africa community to receive quarterly newsletters and invitations to attend events
<https://helpdesk.digitalearthafrika.org> and user guide
<https://docs.digitalearthafrika.org/>
- DE Africa online learning <https://learn.digitalearthafrika.org>
- DE Africa weekly Live Learning Sessions: every Wednesday at 11am, GMT zero - ask questions and connect:
<https://forms.gle/RbFB4HZ5EgUgCnS47>
- Email address info@digitalearthafrika.org

Acknowledgements





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Thank you Merci obrigada