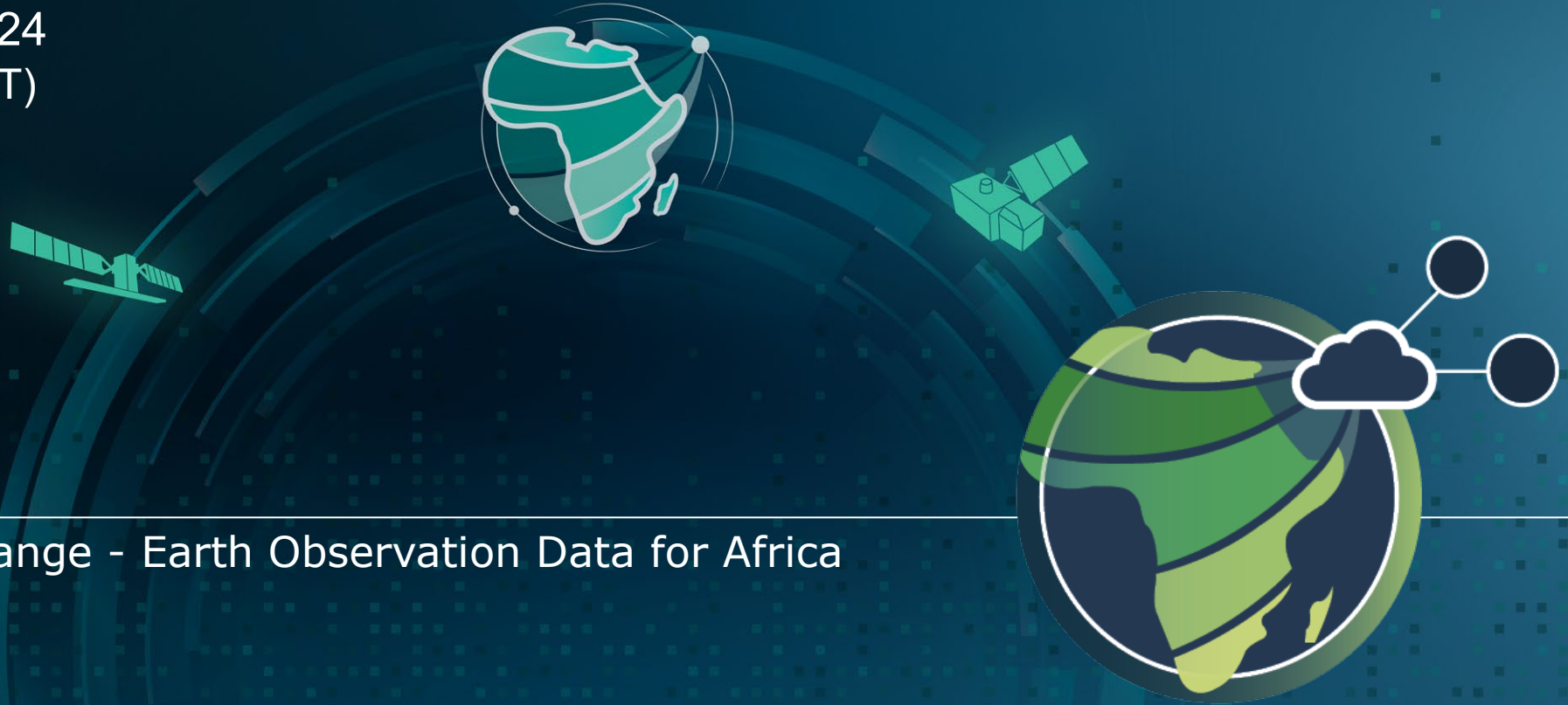




EO for Africa Symposium 2024

23 - 26 September 2024

ESA | ESRIN, Frascati (IT)



Dunia

Discover · Build · Exchange - Earth Observation Data for Africa

23/09/2024



ESA UNCLASSIFIED - For ESA Official Use Only



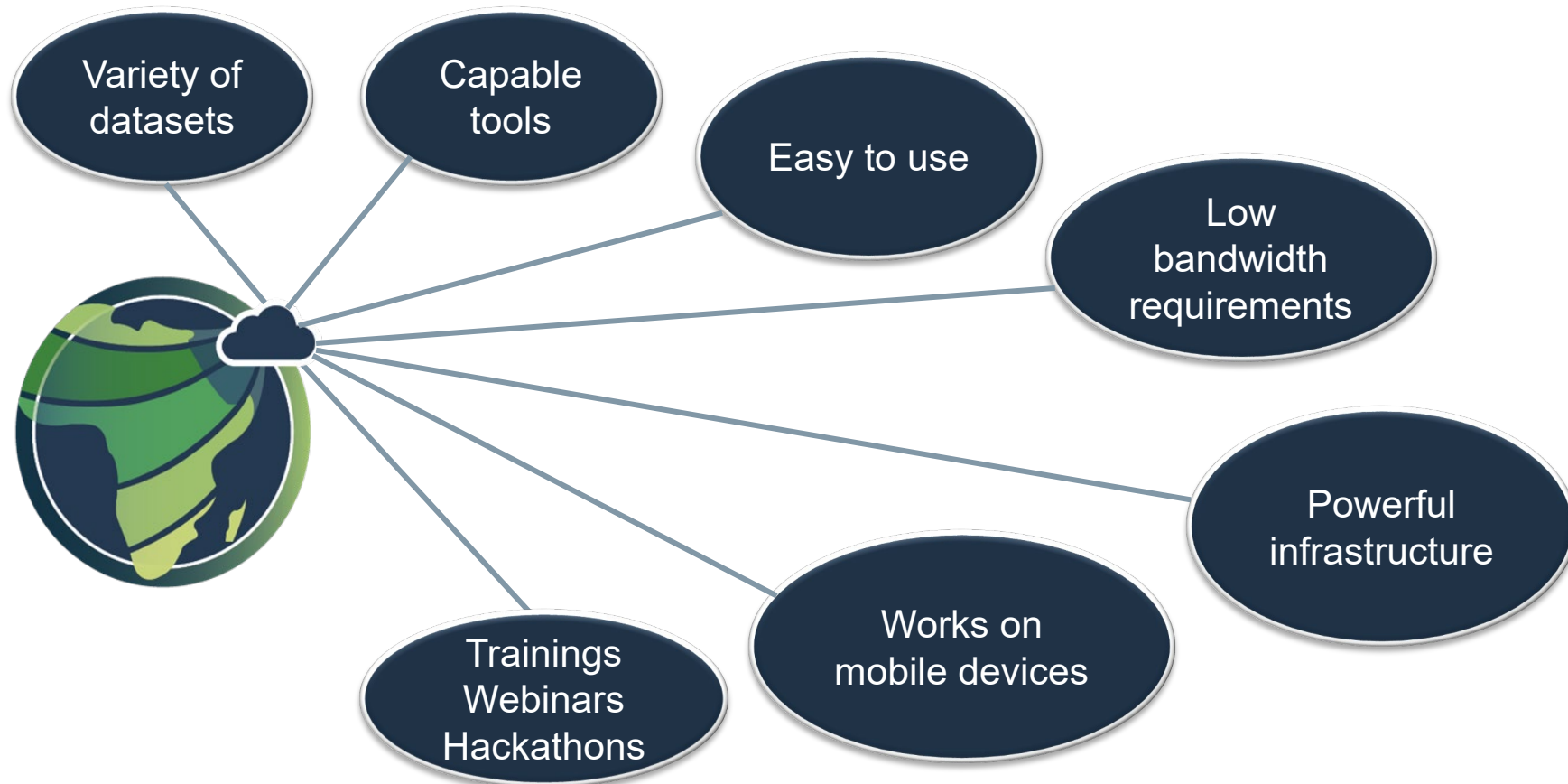


Dunia is being developed in partnership by a group of leading organisations, each with a proven track record of delivering excellence in the earth observation domain.





Access and exploitation of the Copernicus Sentinels data remains the lowest by African users, reinforcing the need for a solution offering:





Discover ▾ Build

Sign in

Sign up

Discover. Build. Exchange.

Unleash the power of Copernicus earth observation data courtesy of ESA, with free usage for African users.

No credit card required!

Get started



Dunia

Dunia is an all-in-one, easy to use processing and dissemination platform.

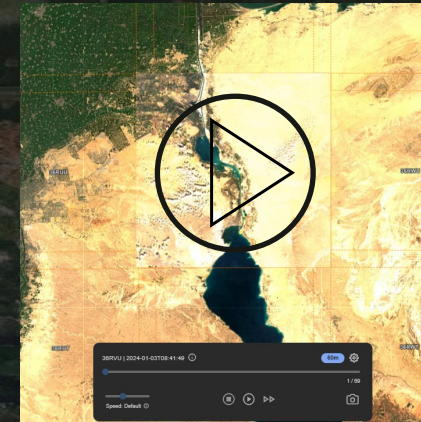
Moreover, there's a privileged usage quota for the first 2000 users!



- ✓ Search, filter and download data
- ✓ Innovative streaming solution
- ✓ Variety of African datasets

- ✓ Working environment with EO tooling
- ✓ Develop your own apps
- ✓ Scalable processing of custom workflows

- ✓ Share Apps and Data
- ✓ Exchange, connect and collaborate with others
- ✓ Wide community



Specially-Curated datasets

Carefully-chosen datasets including administrative boundaries, digital elevation models and the full Copernicus Sentinels catalogue.

Streaming

Download data or get it to your users without worrying about endless download times and storage needs.

Headline Features



Discover Build Exchange News Trainings Sign out

DUNIA Streaming Settings

Please choose your streaming settings.

Satellite Mission
Please choose a satellite mission.

- Sentinel-2
True Color Image
- Sentinel-1
Radar Image

Observation Year
Please choose an observation year.

2024
2023
2022
2021

Apply Settings

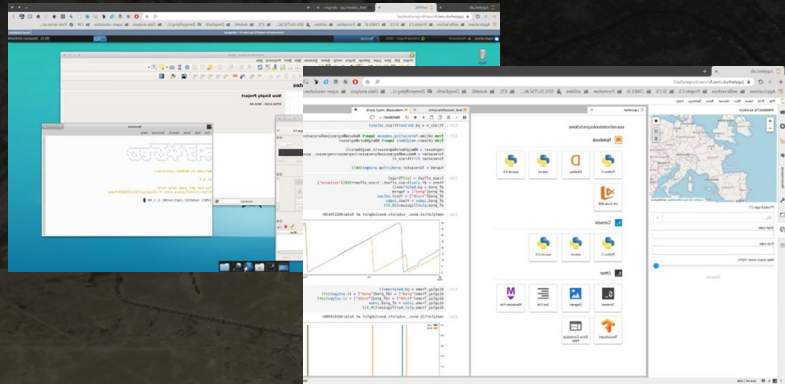
DuniaStreamer Basic Usage



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- ✓ Innovative streaming solution
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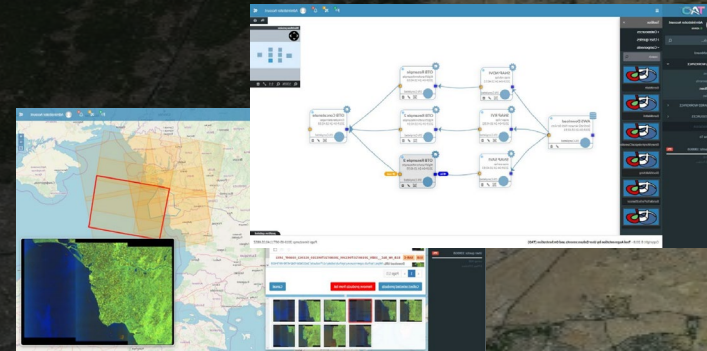
- ✓ Working environment with EO tooling
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Integrated Desktop and Jupyter development environment

All the tools required to analyse EO data, ready to go and close to the data.



Scalable orchestration of custom workflows

Create your own workflows using your developed code to process large areas in a short time.

Headline Features



The screenshot shows a Jupyter Notebook interface with a 'SimpleScreenRecorder' window overlaid. The notebook has a menu bar (File, Edit, View, Run, Kernel, Git, Diagram, Tabs, Settings, Help) and a toolbar. The main area displays a file browser for 'dunia_sandbox_notebooks.git/water' with sections for Notebook, Console, and Other. The 'SimpleScreenRecorder' window is titled 'SimpleScreenRecorder' and contains the following elements:

- Recording:** A 'Start recording' button with a red dot, 'Activate schedule', and 'Edit schedule' buttons.
- Schedule:** 'Schedule: (inactive)' with 'Activate schedule' and 'Edit schedule' buttons.
- Options:** 'Enable recording hotkey' (checked), 'Enable sound notifications' (unchecked), and a 'Hotkey' dropdown menu set to 'Ctrl + Shift + Alt + Super + R'.
- Information:** 'Total time: 0:00:00', 'FPS in: 0.00', 'FPS out: 0.00', 'Size in: 3698x1932', 'Size out: ?', 'File name: ?', 'File size: 0 B', and 'Bit rate: 0 bit/s'.
- Preview:** 'Preview frame rate: 10' and a note: 'Note: Previewing requires extra CPU time (especially at high frame rates)'. A 'Start preview' button is present.
- Log:** A text area showing '[PageRecord::StartPage] Starting page ...' and '[PageRecord::StartPage] Started page.'.
- Buttons:** 'Cancel recording' (with a red X) and 'Save recording' (with a green download icon).

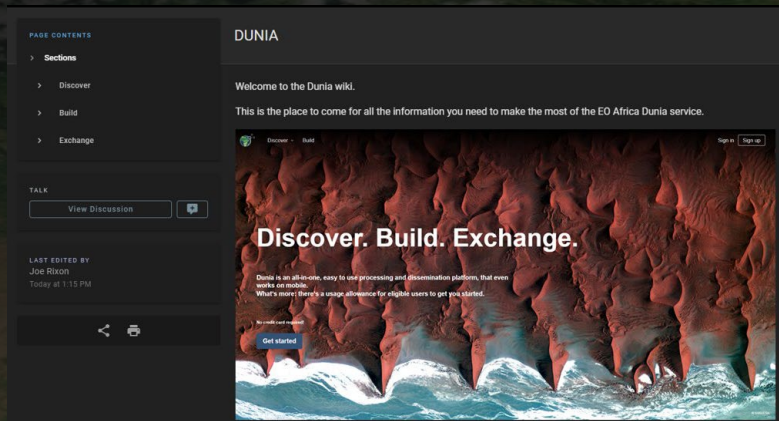
The notebook interface at the bottom shows 'Simple' mode, '0' files, '7' tabs, and 'master' branch. The 'Launcher' tab is active, showing a 'Show Contextual Help' button.



- ✓ Search, filter and download data
- ✓ Innovative streaming solution
- ✓ Variety of African datasets

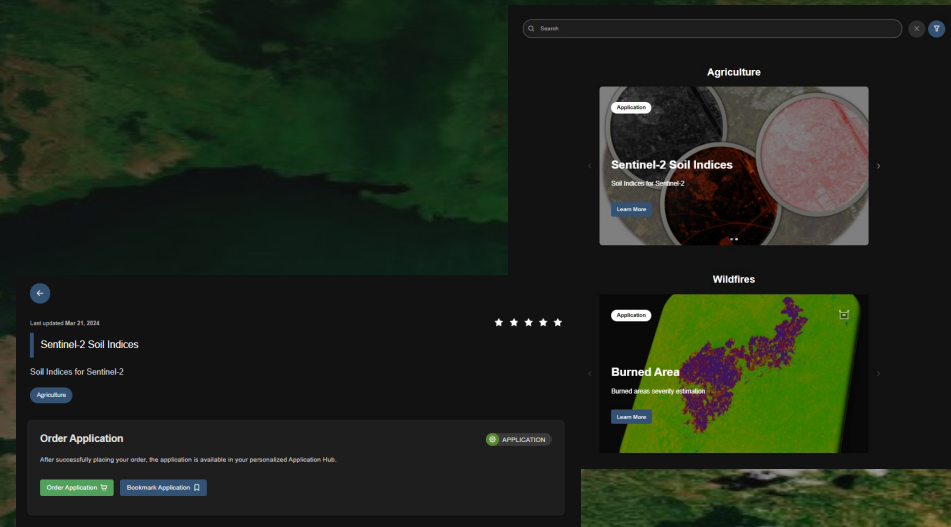
- ✓ Working environment with EO tooling
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Streamlined Wiki

Users can generate and share information about their solutions and experiences fostering a sense of community.



User-to-User marketplace

Share your data and applications with others, and build on their work too.



EO Africa Dunia Service

dunia.esa.int

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Sign out

Discover. Build. Exchange.

Dunia is an all-in-one, easy to use platform for processing and disseminating earth observation data over Africa, that even works on mobile. What's more: there's a usage allowance for eligible users to get you started.

No credit card required!

[Start Building](#) [Quick Start](#)

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Who is Dunia for ?



- For Earth Observation Experts and Beginners
- For personal, project, and commercial use
- For African users

➤ Help us improving Dunia !



What lies ahead ?

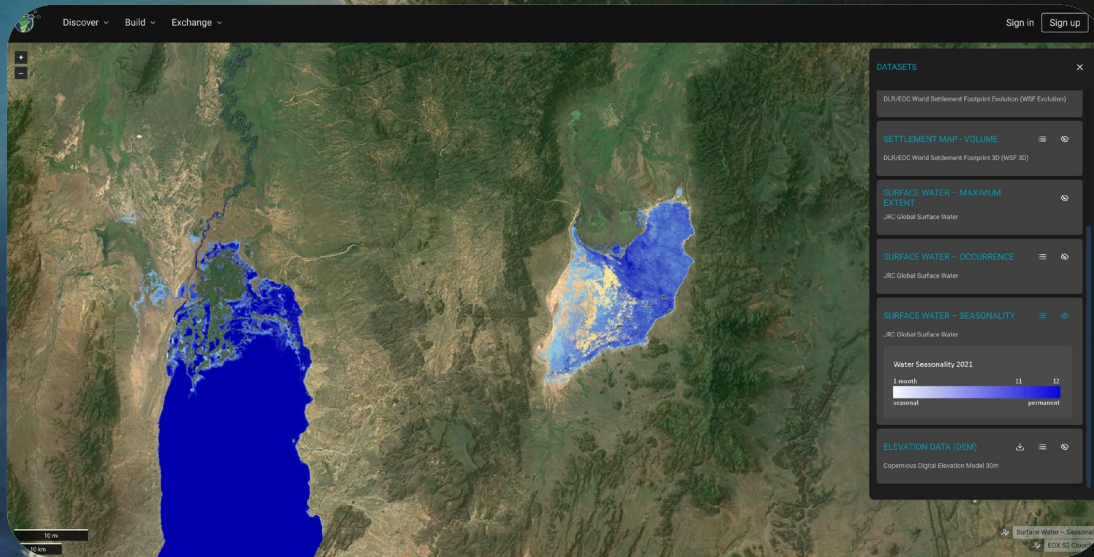


Dunia has been operational for one year and the user base is growing!

So are:

- **Datasets & Streams**
- **Examples** (Notebooks)
- **Wiki** content
- **Training** Events
- **Functionalities**





Dunia publishes your result

Your innovative idea will not just be visible in **Dunia**, but actively promoted as a new example notebook and a success story. **ESA** will also create an article about you and your work in form of a success story!





Discover, build and exchange for yourself at:

dunia.esa.int

Get started with 450hrs processing quota
for the first 2000 users!

