
FPCUP: Framework Partnership Agreement on Copernicus User uptake

EU-initiative to increase Copernicus user uptake: examples from Africa

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Background

- EU-funded project → FPCUP is one specific action in the **Commissions' User Uptake Strategy**
- Overall objective: **enhance Copernicus user uptake**
- Implementation: **2018 – 2025**
- EC contracted 164 actions for 11.7 Mio. € (so far)
- **Bottom-up approach** → consortium suggests EU user uptake actions in annual work programmes
- Consortium lead by German Aerospace Centre **DLR** consists of **49 partners from 23 European countries** → **diverse backgrounds and experiences**



12 partners from 8 countries have or will have activities (if approved) in Africa

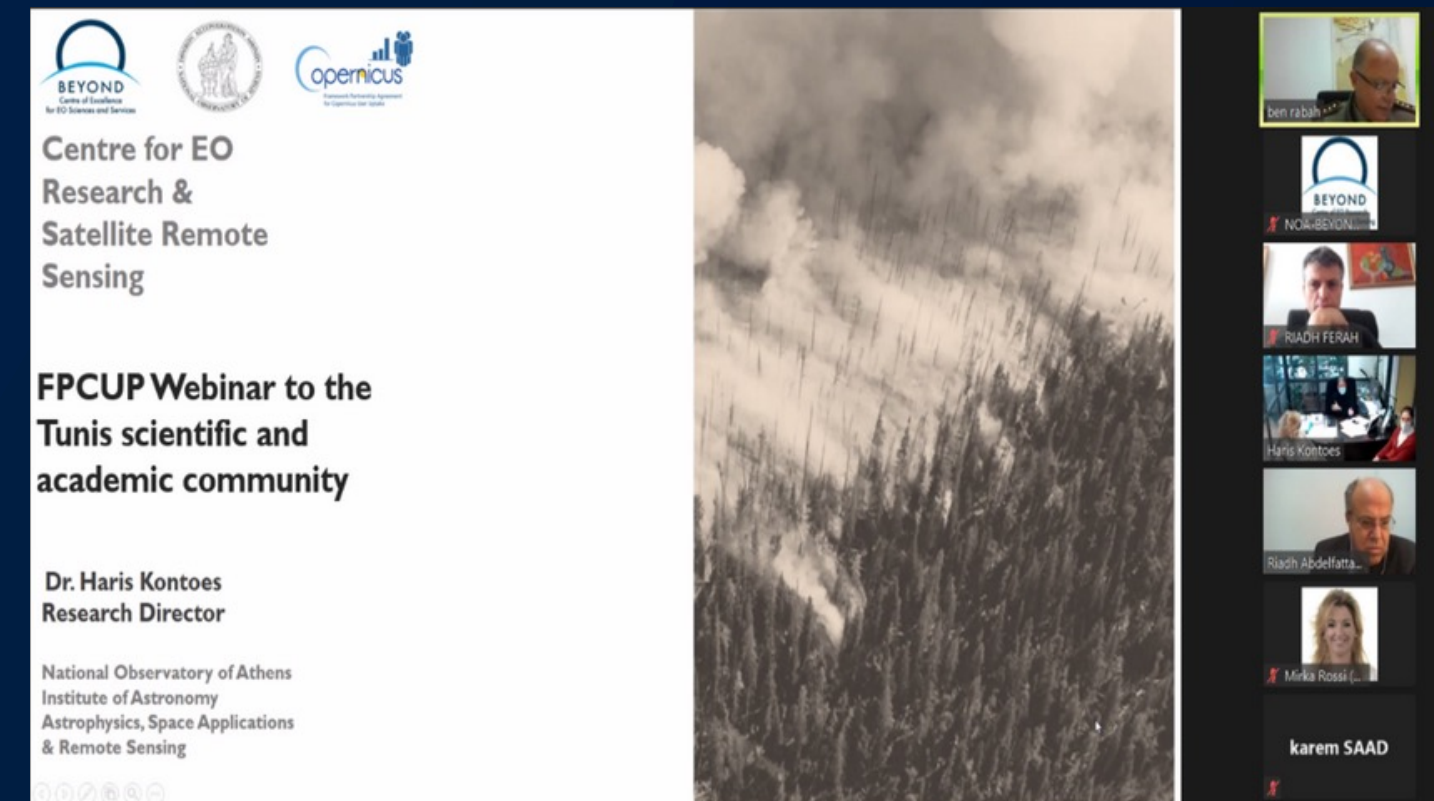


Activities – Examples targeting user uptake in Africa



1. Information & training-events → raise awareness and enable user

- **Copernicus Prototypes and Training in Africa (ISSeP; BE)** → create a **Copernicus-based training package** for African countries
- **Copernicus User Uptake in Africa via Technical Support in the Field of Disaster Management and Disaster Risk Reduction (DLR; DE)** → promote the use of Copernicus data and products in the field of Disaster Risk Reduction and Management on the **national and regional level** in Africa
- **Capacity Building in Balkans, Middle East, North Africa & Black Sea (PRAXI; GR)** → explore capacities, **identify needs/gaps** and propose Copernicus products showcasing the suitability to current operations
- **Copernicus Data Use for Summer School and Master Field Training in Oceanography (Coastal and Open Ocean) (CNRS; FR)** → **produce material** (courses with practical works) for summer schools and masters in Oceanography



Activities – Examples targeting user uptake in Africa

1. Information & training-events
 2. **Building an active dialogue with actors** → establish user fora
- **Building an active user dialogue with the Balkans, Middle East, and North Africa (NOA, PRAXI Network/FORTH; GR)** → connect stakeholders by establishing regional networking platforms, identify needs and identify best practices.



Activities – Examples targeting user uptake in Africa

1. Information & training-events
2. Building an active dialogue with actors
3. **Developing and piloting downstream applications and services → roll-out services and applications taking into account user-needs**
 - **Downstream Service/Application Development for Monitoring of Environmental Indicators (DLR; DE) →** identify and test indicators for evaluating and governing the dynamics, locations and types of slum and informal settlement development in different fast growing African cities.

From research to application: earth observation workshop on urbanisation in Africa

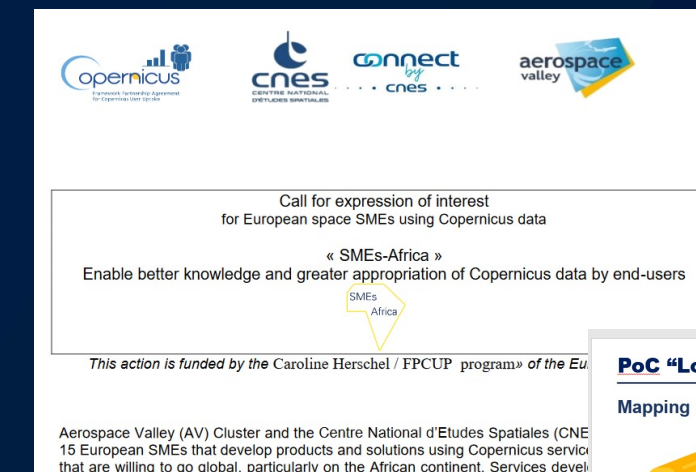
Nowhere in the world are higher rates of urbanisation expected than in Africa over the next few decades. Population growth and rural exodus put urban space in short supply and make housing expensive. Informal settlements are the result. EOC researchers and representatives from the science community, public and administrative authorities, and non-government organisations discussed how artificial intelligence and earth observation can help address the impending challenges.



This Sentinel-2 image shows part of the Nigerian megacity Lagos and the informal settlement Makoko, often variously described as a water slum or "Africa's Venice" because of its pile dwellings.

Activities – Examples targeting user uptake in Africa

1. Information & training-events
2. Building an active dialogue with actors
3. Developing and piloting downstream applications and services
4. Promoting national and multi-national innovative actions → communicate Copernicus via new formats or challenges supporting particularly start-ups and SMEs
 - **SMEs – Africa (CNES; FR)** → support the internationalization of European SMEs in Ethiopia, Gabon, Senegal and South Africa
 - **Innovation Challenges (CNES; FR)** → launch 4 business challenges where a sponsor will express a challenge to be solved
 - **SMEs – Atlantic Ocean Interactions (Air Centre & PT Space; PT)** → promoting internationalization of EU companies in 4 Atlantic coastal countries outside of EU (i.e. Brazil, Cape Verde, South Africa and Nigeria).



Types of Activities

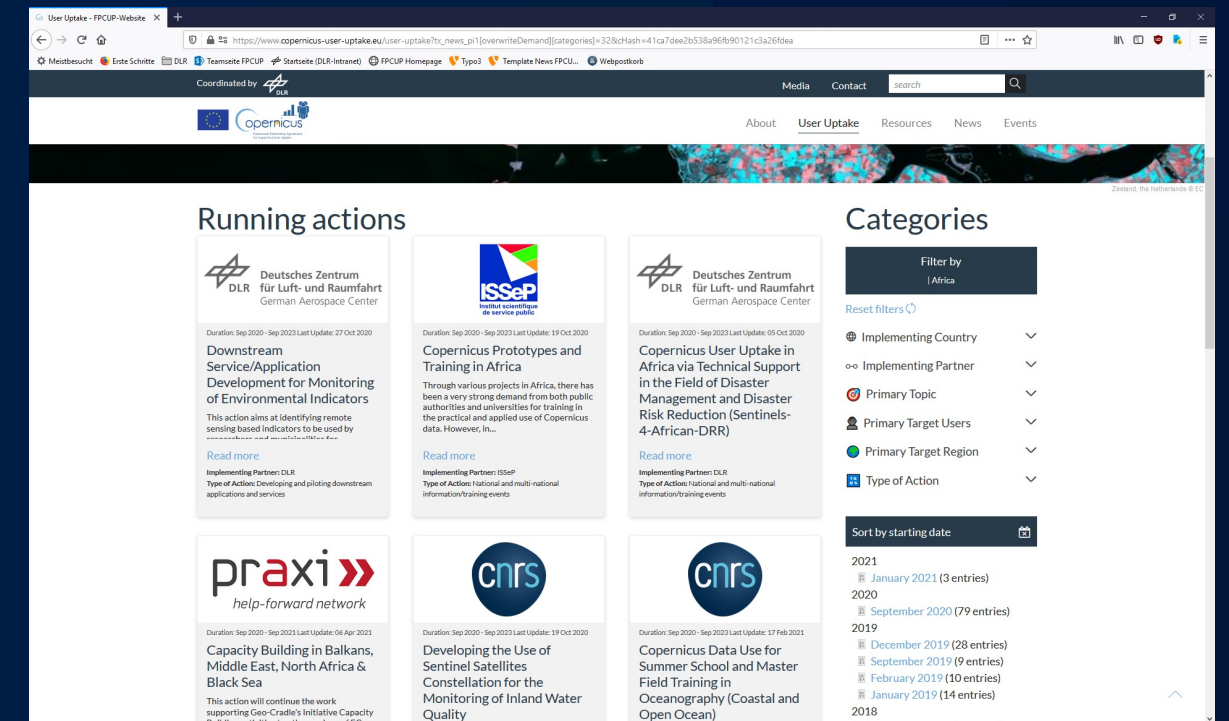
1. Information & training-events
2. Building an active dialogue with actors
3. Developing and piloting downstream applications and services
4. Promoting national and multi-national innovative actions

All activities developed in close exchange with users considering their needs → feedback and involvement opportunities play essential role



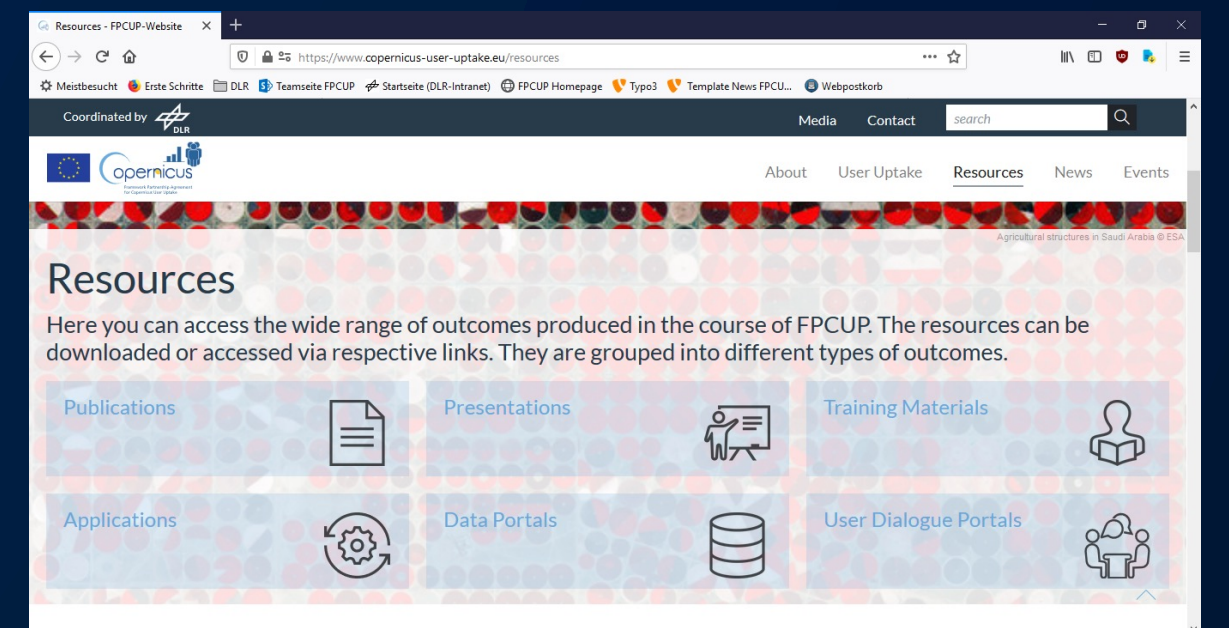
Outlook

- More activities have been proposed to the EC and will hopefully start in 2021, e.g. joint proposal of **12 partners** comprising training of trainers and tutoring programmes in **3 languages** (PT, FR, EN) involving **17 African countries**.
- Activities will run until **2025**



How to get involved?

- Respond to opportunities by consortium partners
- Participate in events such as trainings
- Visit FPCUP-homepage for more information and outcomes: www.copernicus-user-uptake.eu



Contact info

www.copernicus-user-uptake.eu

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THANK YOU
FOR YOUR ATTENTION

