



WHAT IS CTA?

- Technical Centre for Agricultural and Rural Cooperation ACP-EU
- Joint institution of EU and African,
 Caribbean and Pacific Group of States
- Founded in 1984
- Focus on information and communication for agricultural and rural development
- Funded by EU under the European Development Fund





Current CTA ICT4Ag priority areas of intervention

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Youth entrepreneurship

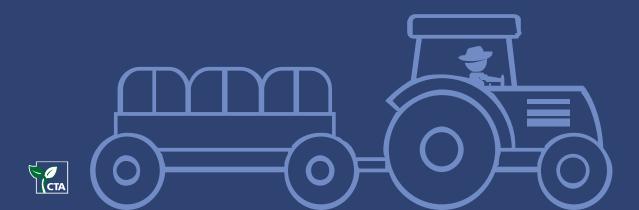
Precision Agriculture Market linkages

[Innovation, digital literacy and KM]





Challenges for UAS adoption in Africa





Challenges for the upscaling UAS services in agriculture in Africa

Absence of UAV regulations in many developing countries

Presence of disabling regulations for would-be drone operators

Lack of licensed drone pilot schools except for South Africa

Non recognition of drone pilot licenses across national borders

Small-scale mixed cropping & the need to focus on smallholders growing the same crop on contiguous areas

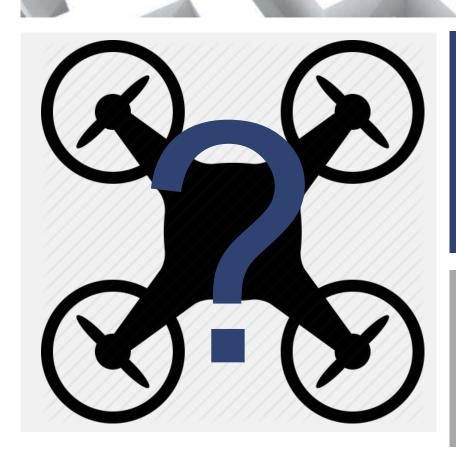
Lack of evidence of positive Return to Investment for smallholders

Insufficient awareness

Slow and expensive access to the Internet

Challenges for UAV operators to scale up

REGULATIONS



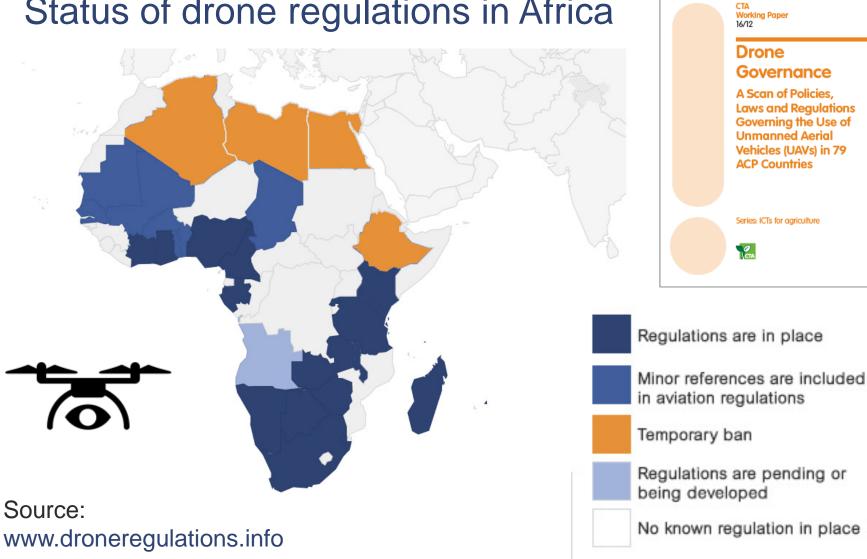
Small drones are unmistakably different from aircraft in so many ways yet they are considered as full-fledged aircraft in most of the countries

Disabling

Or

Enabling?

Status of drone regulations in Africa



A new technology and the regulatory bottleneck

Uganda has no regulations in place and drones are confiscated from travellers at the airport of Entebbe. A few operators have a provisional license.

South Africa (regulations effective 1 July 2015). As of February 2018 only 21 companies licensed to operate, with a back log of over 400 applications

Rwanda (regulations effective 16 May 2016). Only one licensed commercial operator so far.

Ghana (regulations as of June 2016). Commercial operators need to obtain written permission from regional or local police stations before operating drones.

In Nigeria (regulations as of May 2017). 1st operator licensed in June 2017.

In **Zambia** (regulations as of July 2016). 1st commercial UAV operator obtained a ROC (RPAS Operation Certificate) in April 2018.

In **Spain** (regulations as of Oct 2014). 2200 registered drone operators (as of 31 May 17) plus 200 training organisations in place.

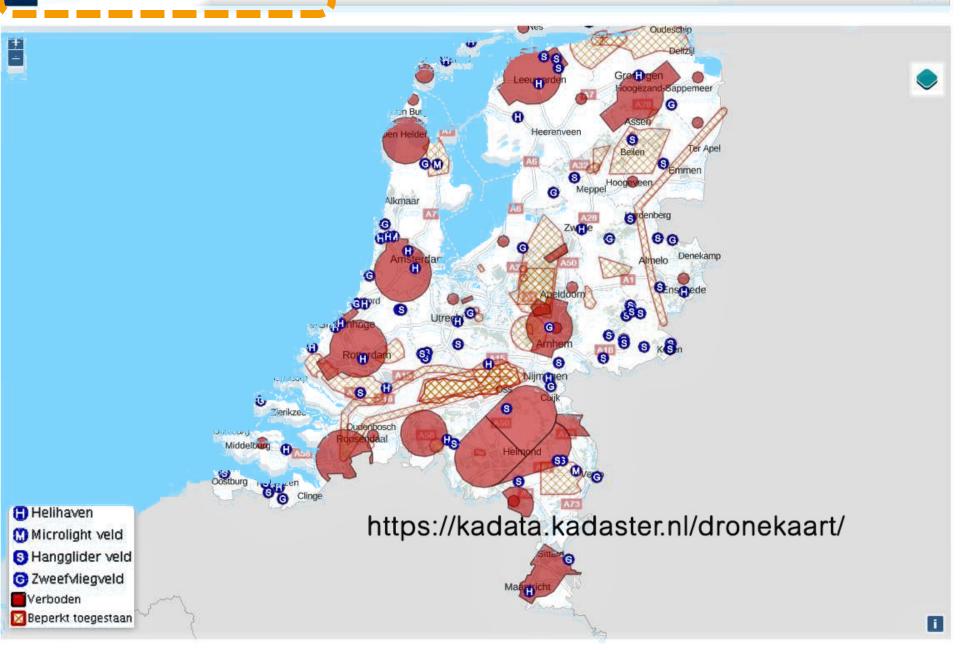
In the **United Kingdom**, as of the 26 April 2018, Small Unmanned Aircraft (SUA) (<20 kg) operators holding a valid CAA permission: 4,055 (Source CAA, UK)

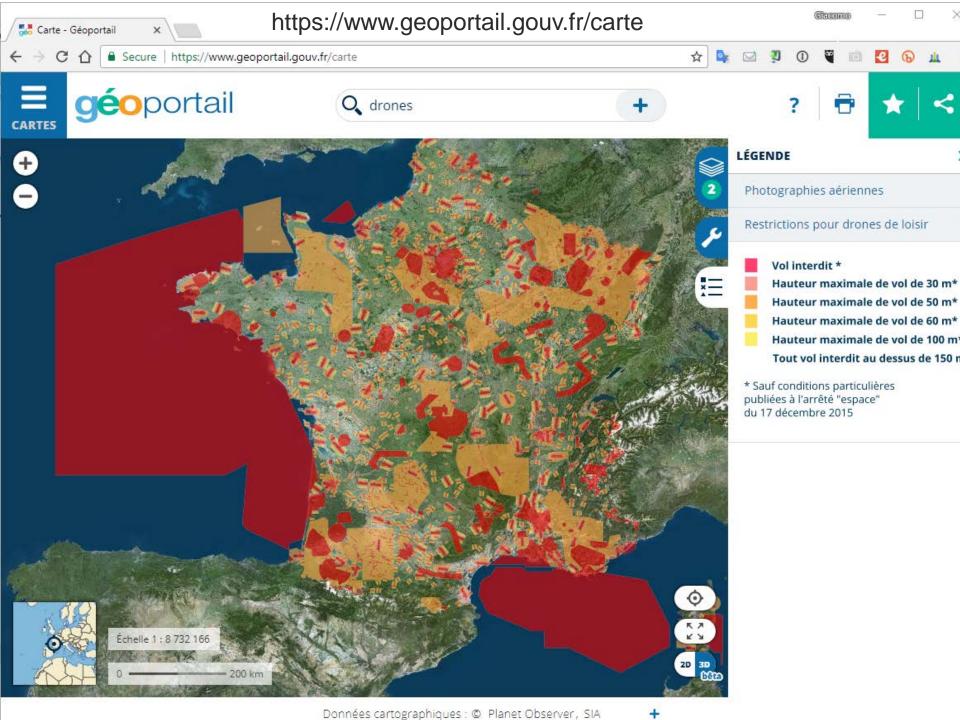


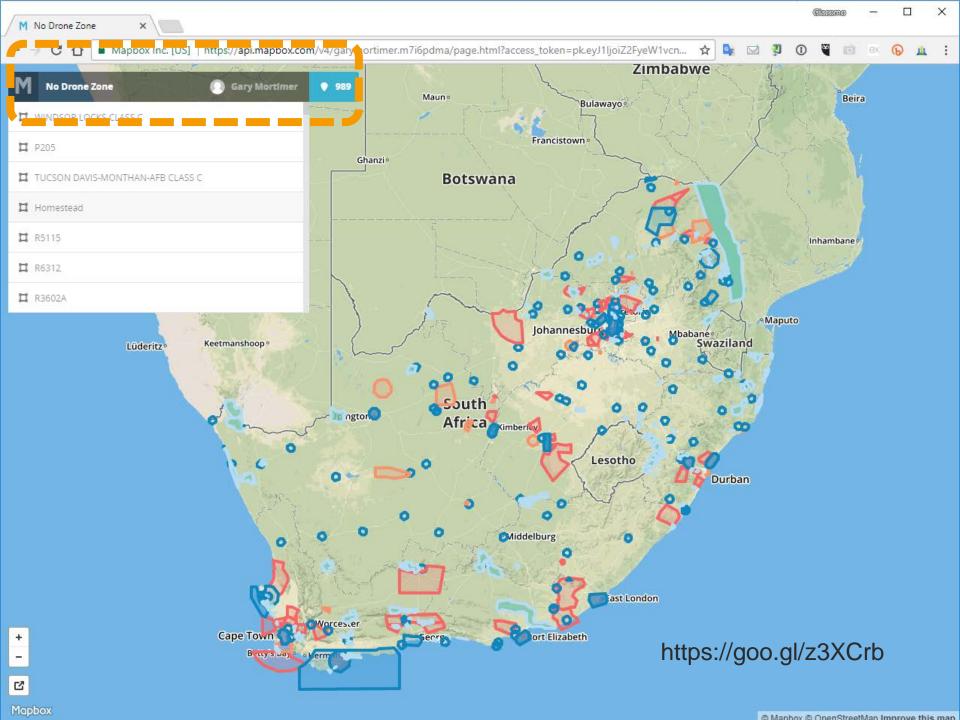


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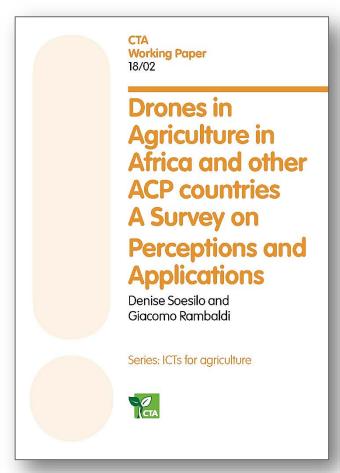




Opportunities

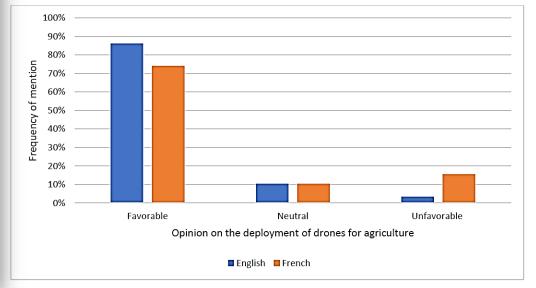


Use of Drones for Agriculture - A perception survey (Nov. 2017)









Trends and opportunities

African Union's support for drone-based technology

By issuing Decision EX CL/Dec. 9861007(XXXII) (26/1/18)
the Executive
Council of the African
Union requested the
AU and Member
States to build on
drone technology for
precision agriculture

Youth Agriculture & ICTs

- Increased engagement of youth in agricultural value chains through innovative ICTs
- "ICTs make Agriculture sexy" (Hon. Agnes Kalibata, MINAGRI, 2013)

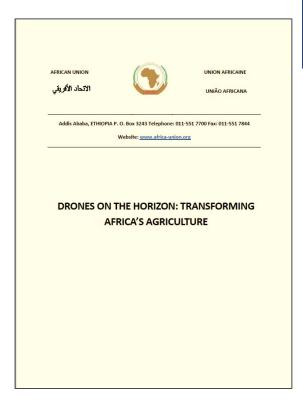
Real time data gathering and processing

 Agriculture may transform into a hightech industry, with decisions being based on real-time gathering and processing of data

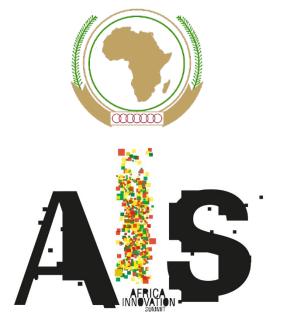


Drones on the horizon: Transforming Africa's agriculture

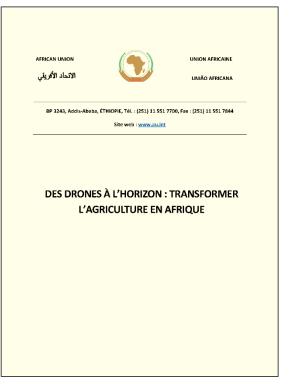
English version



To be launched at the Africa Innovation Summit, Kigali, 6-8 June, 2018

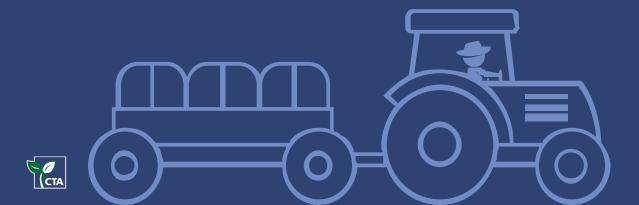


French version



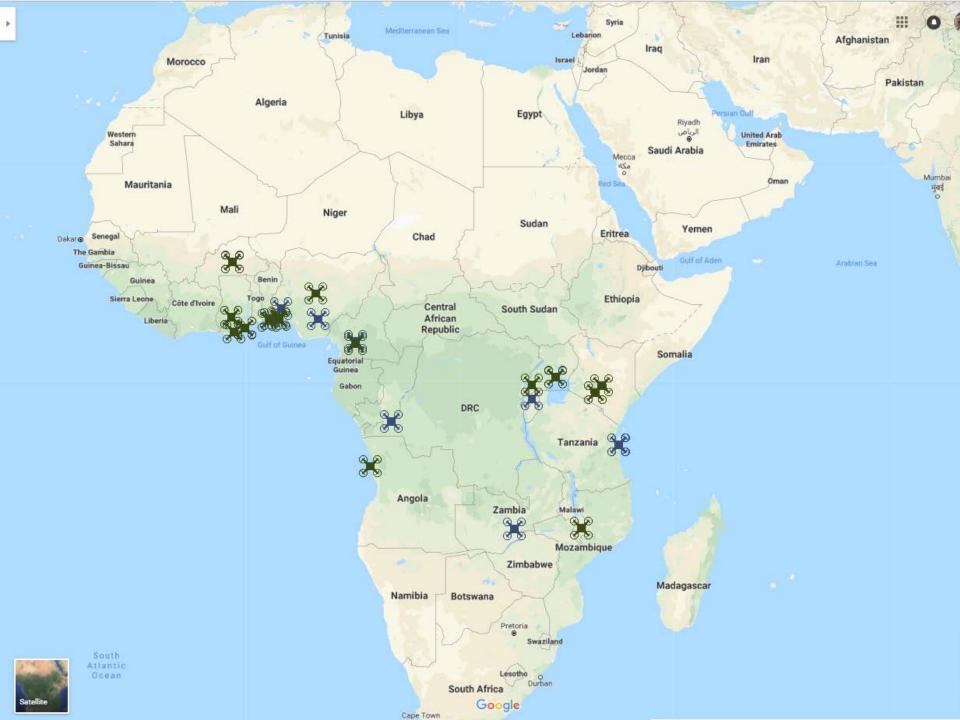


CTA & sUAS

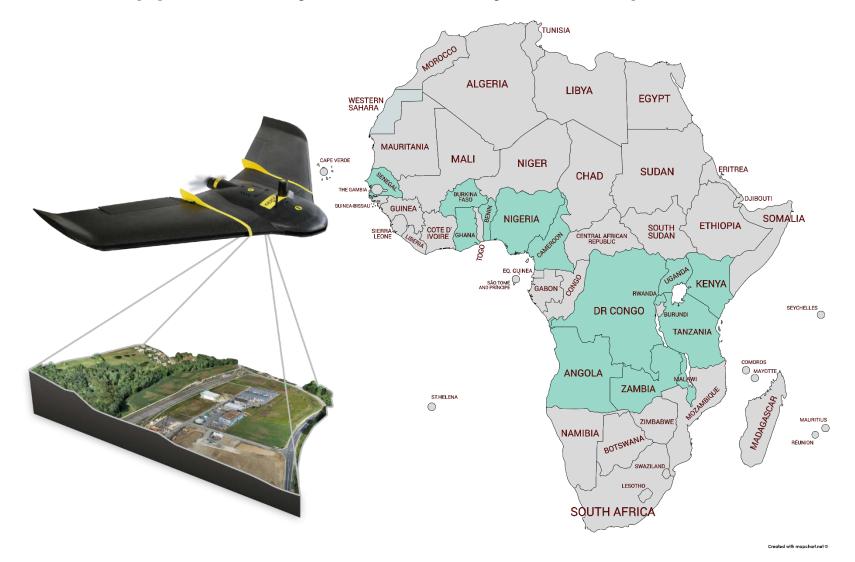








CTA supported Eye in the Sky UAS operators









DGroups: www.uav4ag.org (1K)

~ 170K



Capacity building



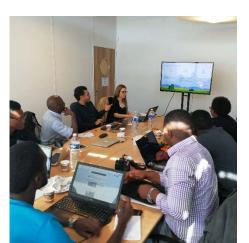


Networking

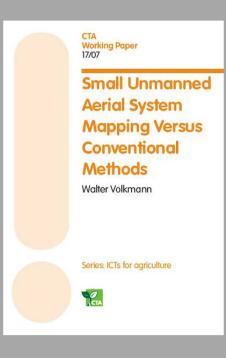




Market linkages

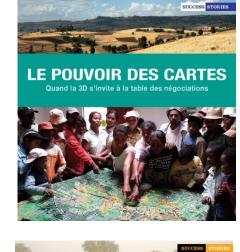


Case documentation



Impact studies & impact stories

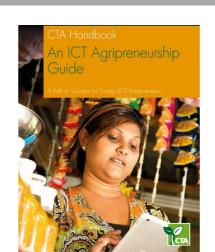






Case studies & Working papers





Lessons
learned –
Guidebooks
and training kits



Celebrating failure











Giacomo Rambaldi Senior programme coordinator, ICTs @iapad and @uav4ag on Twitter rambaldi@cta.int www.cta.int

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