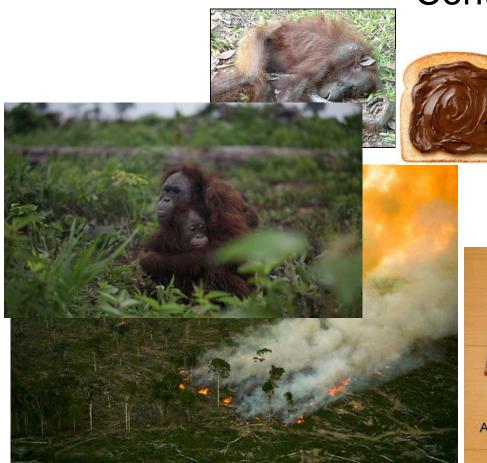


andreas@skarl.se

The old country



Context







Dreamers



ConservationDrones.org seeks to share knowledge of building and using low-cost unmanned aerial vehicles for conservation-related applications with conservation workers and researchers worldwide, especially those in developing countries.

Home sweet home



Orangutan nests (2012)



The greatest show on Earth





Invasive species



Law of the jungle

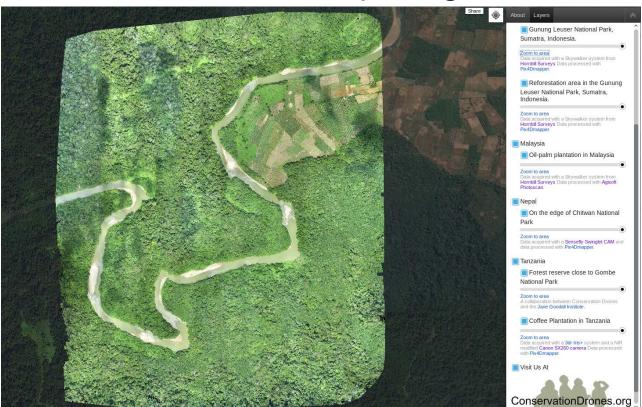
Spot the drone in distress



Roof of the world



Cloud computing

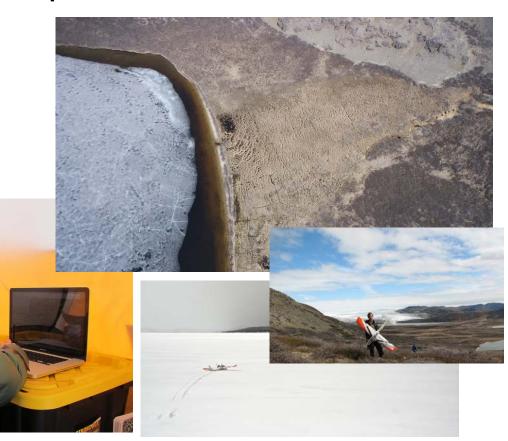


http://google.org/crisismap/a/gmail.com/Missions

Extremophiles



Jeff Kerby monitoring plant growth (2014 Greenland)



Water water everywhere



Cetacean survey in Timor Leste (2016)

Looking for amazon river dolphins (2017)

Rapid prototyping

TED talk 2013

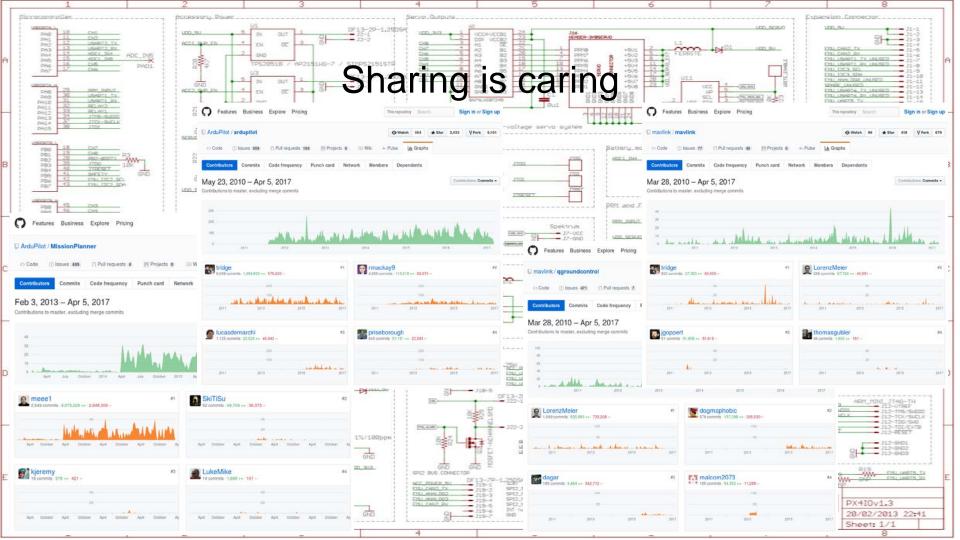
Ongoing developments...



WADI data mule 2015



Drone 1600m away: Camera trap detects XBee signal of approaching drone. WiFi systems enable. Drone overhead within 300m: Photos transferred over WiFi Drone flies to next camera trap or back to headquarters. Communication returns to low-power states.



Trends

Ready made systems' prices approaching sanity



Multirotor proliferation



Standardisation











Dedicated sensors





Thanks

