K&C Phase 4 – Status report

Forest monitoring in Colombia

Carlos Pedraza
The Nature Conservancy
Ederson Cabrera and Gustavo Galindo
IDEAM
And communities of Caquetá, Colombia

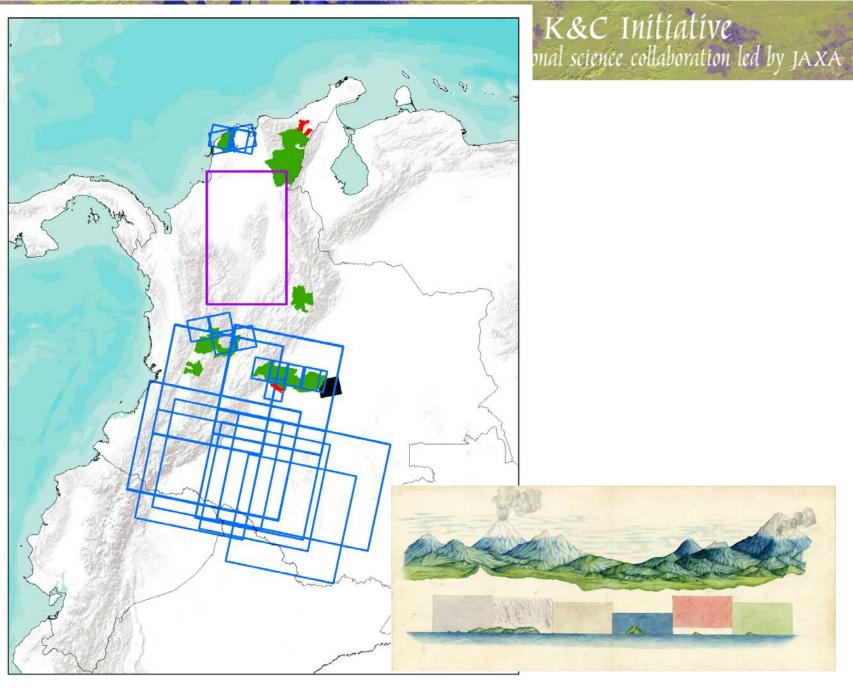
Science Team meeting #23 Hatoyama, Japan, January 18-20, 2017

Project outline and objectives

Demonstrate the application of ALOS Data to provide relevant products about terrestrial and freshwater ecosystems dynamics and provide authorities and institutions with accurately products for natural resources management

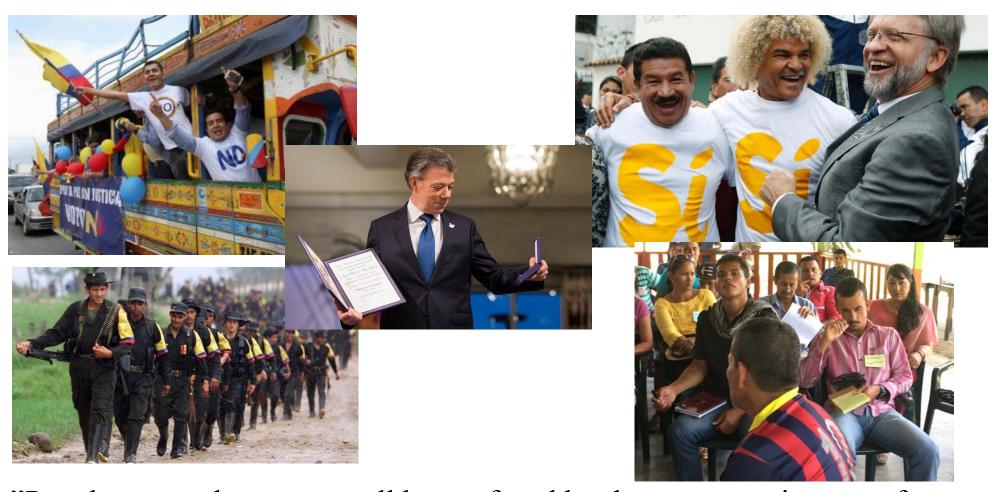
- Articulating K&C research (methods and products) with the National Forest and Carbon Monitoring System and communities
- Integrating wetlands dynamics, **structural and spatiotemporal variation**, in the **integral management** at a basin scale

ALOS



ALOS

K&C Initiative An international science collaboration led by JAXA

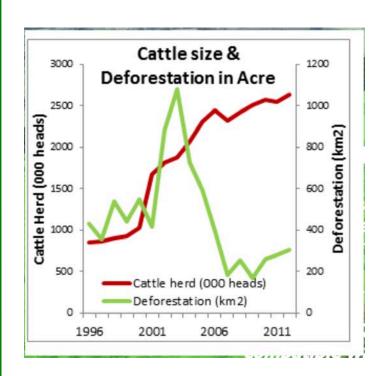


"People everywhere may well be confused by the news coming out of Colombia"

The New Yorker October 2016



Sustainable Cattle Ranching Project



Seplan 2013, Acre





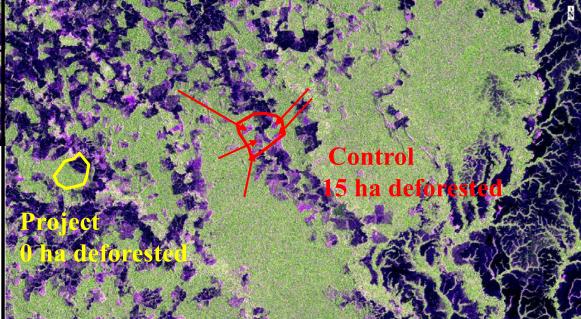


ALOS ICF and Ecometrica (UK) KPI-8 Avoided Deforestation by 2700 farms

Project

2010 FBD

25-30 January KPI -8 Indicator Workshop ALOS-1 and ALOS-2, and ground truth data TNC, IDEAM and Ecometrica

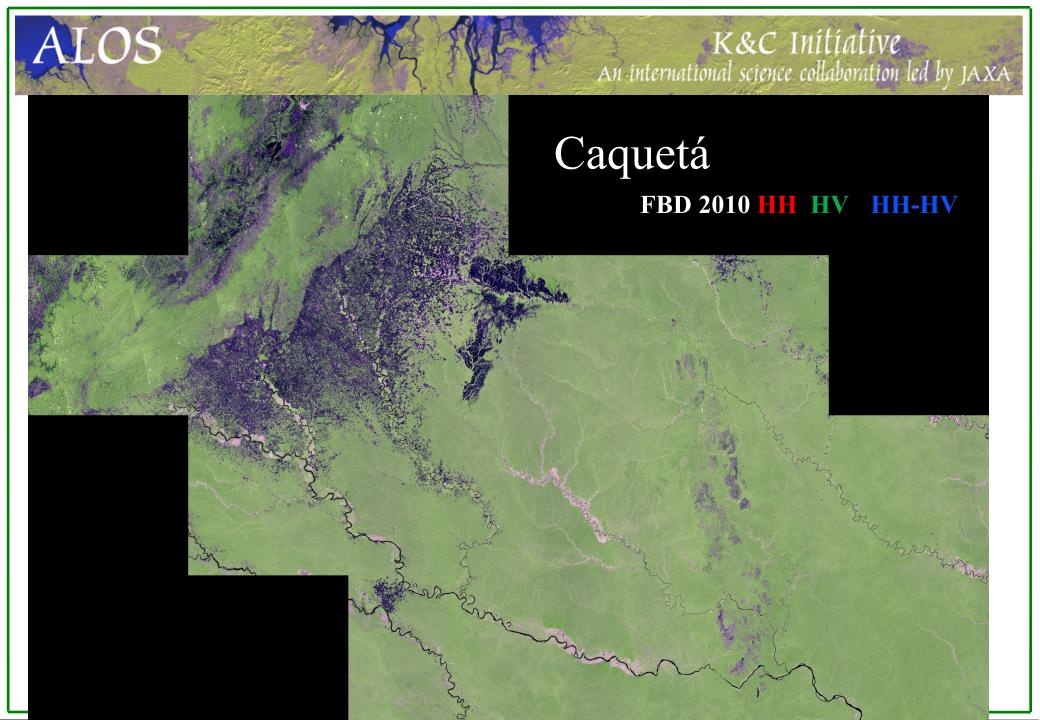


2016 FBD

HH, HV; HH-HV

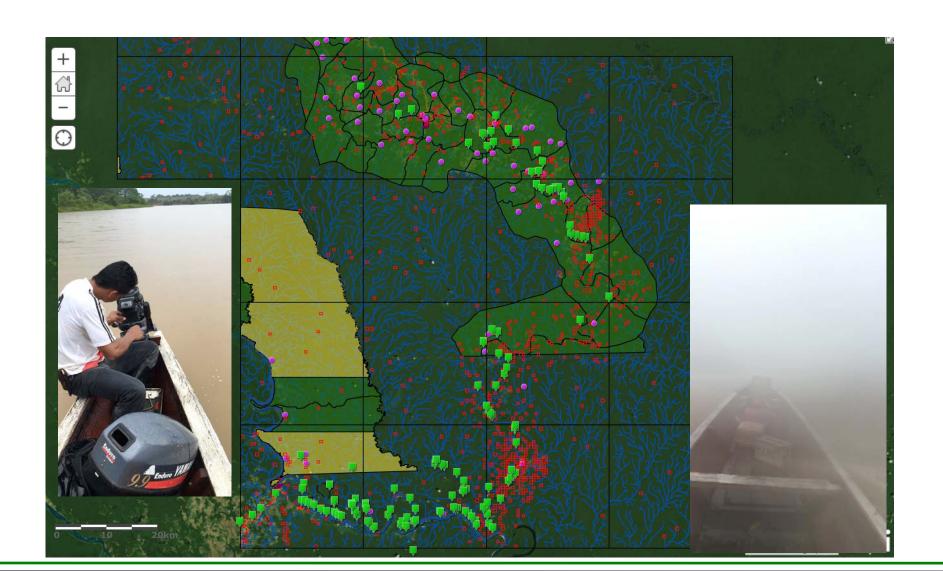












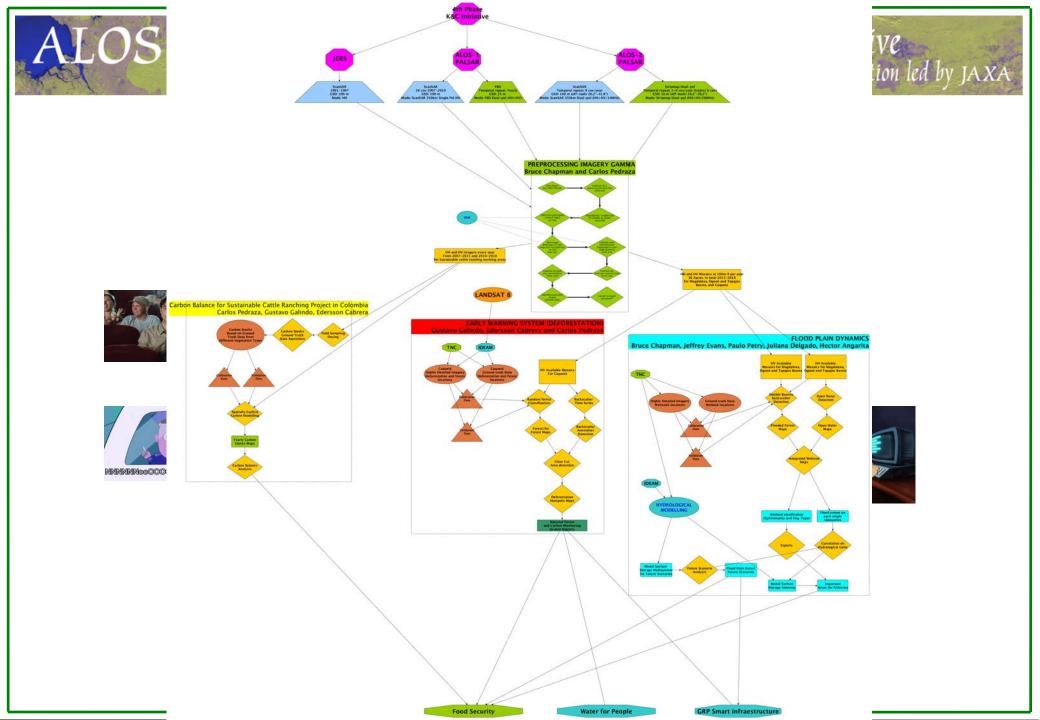
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Project milestones

- Estimate the KPI Avoided deforestation for 2700 Farms associated to the Sustainable Cattle Ranching Project (first semester 2017)
- Develop a forest monitoring platform where remote sensing data and local data will be articulated to the national forest system and reports for multiple users (2017)
- Field work of Drivers of deforestation 1063 sites to gather social economic and forest dynamics information Caquetá (First semester 2017)
- 2017 and 2018 integrate field work protocols to multiple institutions and agencies

Deliverables etc.

Describe the planned output of your project.

- Deforestation analysis at multiple scales (farm level and Caqueta)
- Forest dynamics ground truth data for aprox. 2700 farms and a for Caquetá.
- Biomass estimation for forest and post deforested Land Uses at two regions in Colombia (2018)
- Wetlands dynamics mapping for the Magdalena Basin (2018)





