

Basic Concept of Early Warning System for Tropical Forest

- Initiative for Improvement of Forest Governance by JICA/JAXA

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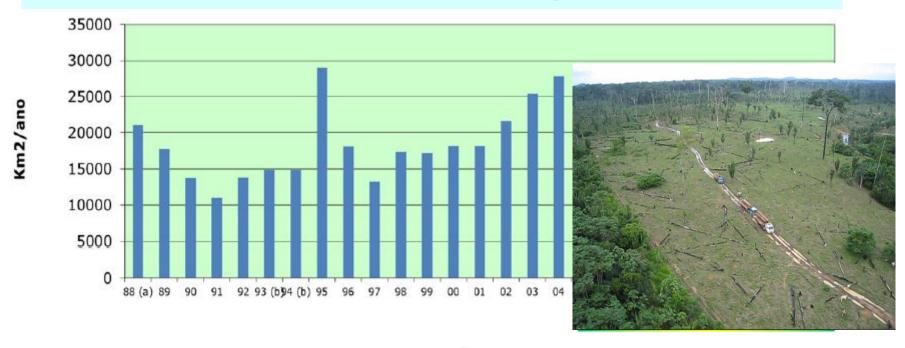
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1. Our previous cooperation in Brazil

Annual Deforestation in Legal Amazon



Ano

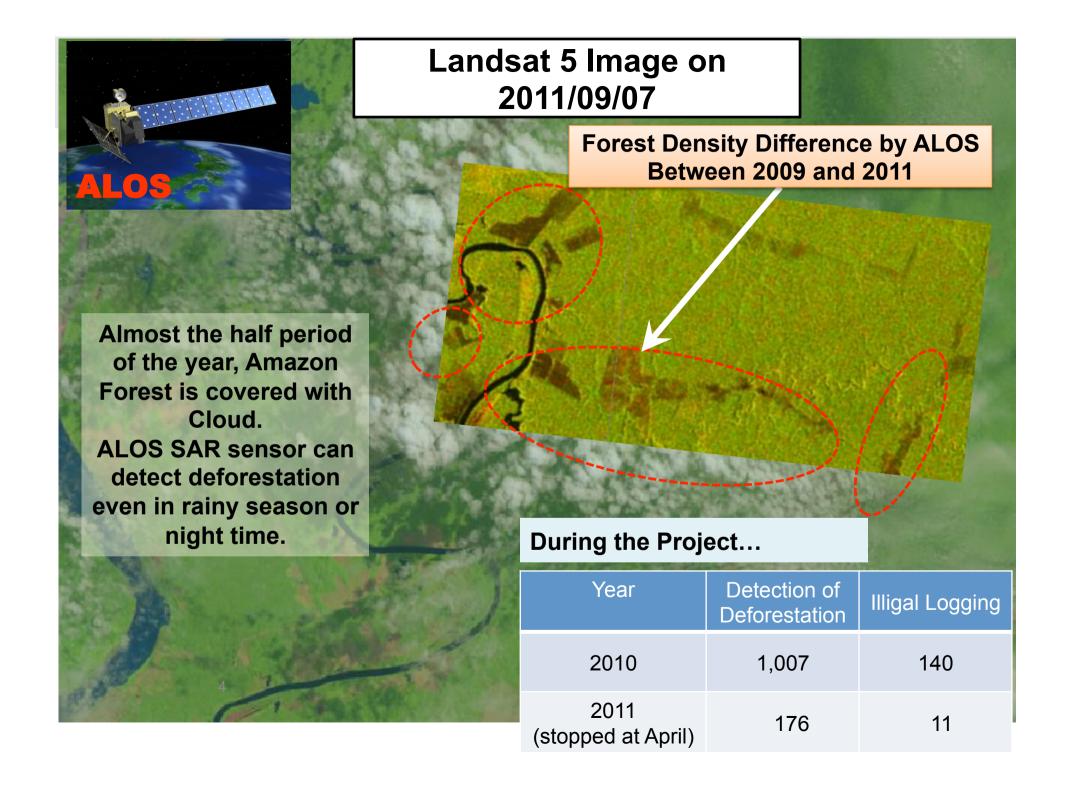
Source: INPE

- Brazilian Government has been tackling illegal deforestation using optical satellite images (Landsat) since 2004
- Challenge was detection of deforestation in rainy season....



1. Our previous cooperation in Brazil

Project Title	Utilization of ALOS images to support the Protection of the Brazilian Amazon Forest and Combat against Illegal Deforestation
Project Period	May, 2009~July, 2012
Implementing Agency	 IBAMA (Brazilian Institute of Environment and Renewable Natural Resources) DPF (Federal Police Department)
Project Component	Output 1: Detection and forensic reports Output 2: Strengthening IBAMA/DPF Information sharing system, INDICAR/ SISCOM and INteli GEO Output 3: Training





2. New Initiative ~Background



MOU between JAXA-JICA was signed on Apr. 23, 2014 to contribute "Global Issue" using Japanese Satellite technology



- Knowledge and Information on Developing Countries
- Advise on Collaboration w/ DCs
- Dispatch of Japanese Expert and Lecture



- Providing Satellite Images for JICA Project
- Capacity Development Program (Nominating Experts, Providing Training Program etc.)



ALOS2 (2014~) also has scan SAR (L-band) sensor which can detect forest change under cloud.

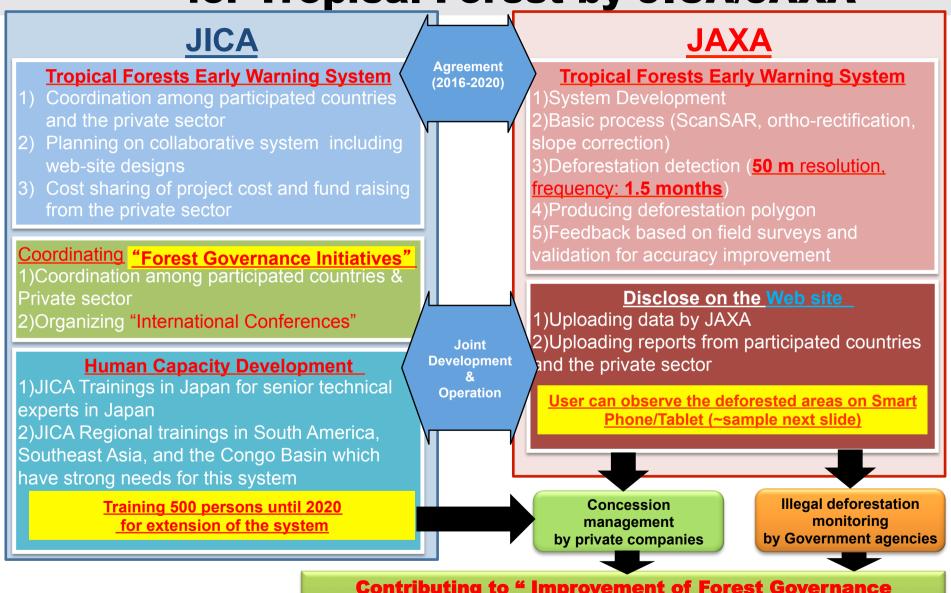
Deforestation (illegal logging) is a still big issue and needs from Tropical Countries including Brazil are huge.

Nov. 2015 JICA and JAXA decided to develop new System to contribute forest management in All Tropical Countries...

December 1 Official Release today!



2. New Early Warning System for Tropical Forest by JICA/JAXA

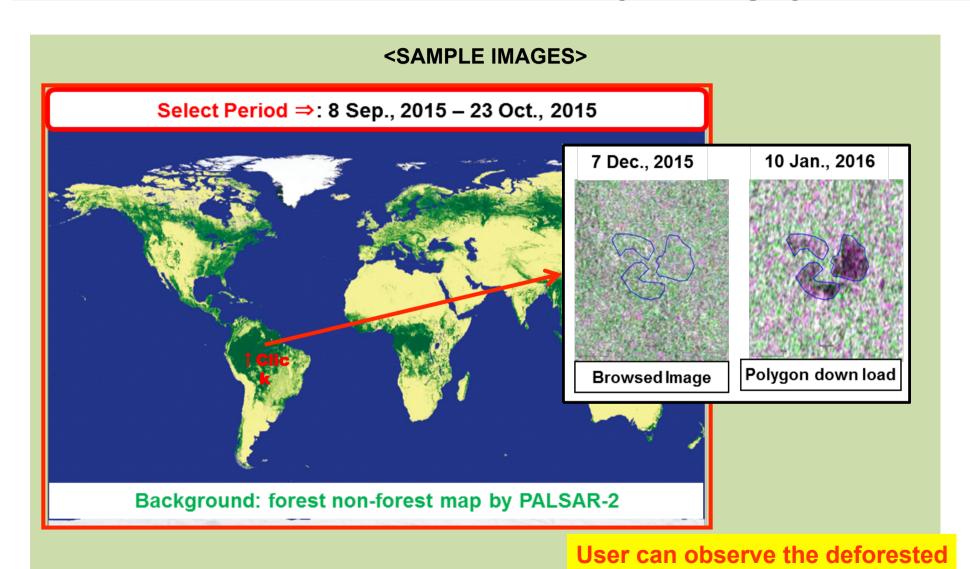


Contributing to "Improvement of Forest Governance in Tropical Forest"

Target Area: Approximately 16.6 million km²



2. New Initiative ~Sample images of Early Warning System



areas on Smart Phone/Tablet



Thank you for your attention!

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