

# Forest Governance Initiative

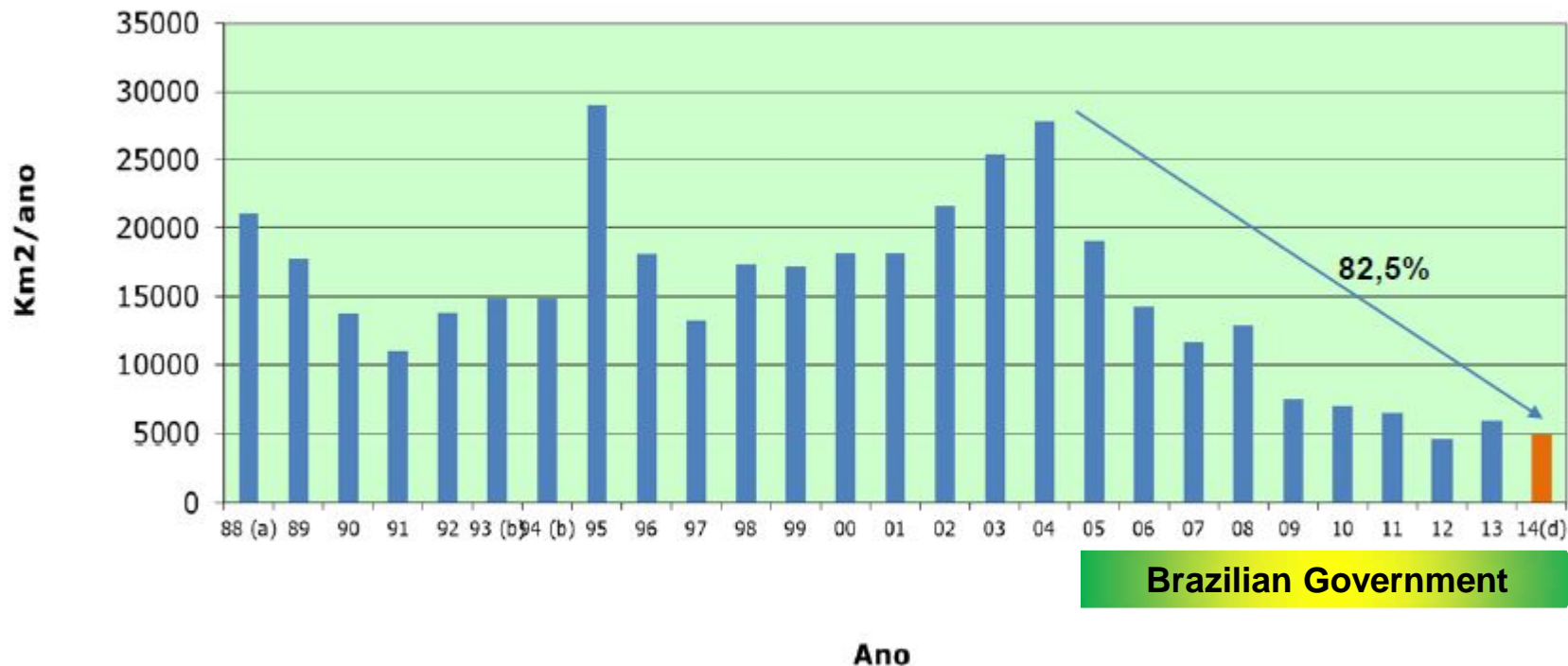
## - Challenge to Climate Change and Forest Conservation using Satellite Data -

Mr. SHISHIDO Kenichi  
Deputy Director General for Nature Conservation  
Global Environment Department,  
Japan International Cooperation Agency



Back Ground

## Annual Deforestation Area in the Legal Amazon



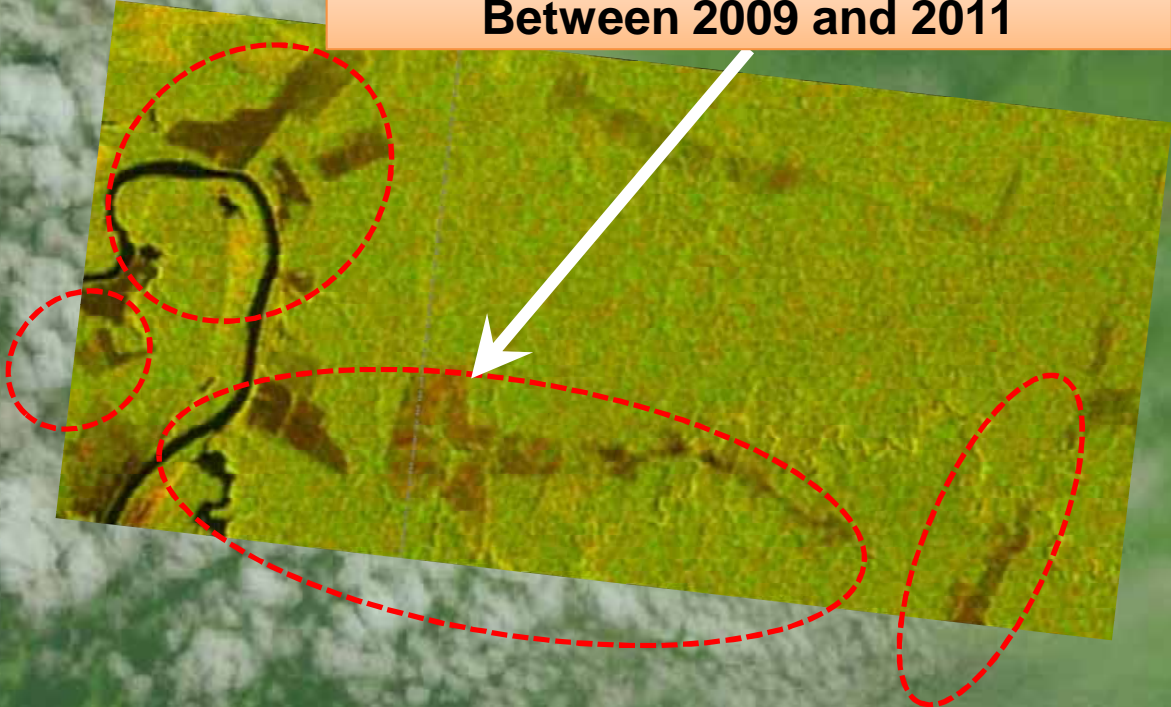
Source: INPE

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



# Landsat 5 Image on 2011/09/07

## Forest Density Difference by ALOS Between 2009 and 2011



Almost a half period of a year, the Amazon Forest is covered with clouds.

The ALOS SAR sensor can detect deforestation even in the rainy season or night time.

IBAMA (Brazilian Institute of Environment and Renewable Natural Resources) and DPF (Federal Police Department) implemented the project.

### During the Project...

Year	Detection of Deforestation	Illegal Logging
2010	1,007	140
2011 (stopped in April)	176	11



# Background of New Initiative



**MOU between JAXA-JICA was signed in Apr. 2014 to contribute “Global Issue” using Japanese satellite technologies.**

**The new initiative for Improvement of Forest Governance was officially released at the COP 21 in Dec. 2015.**

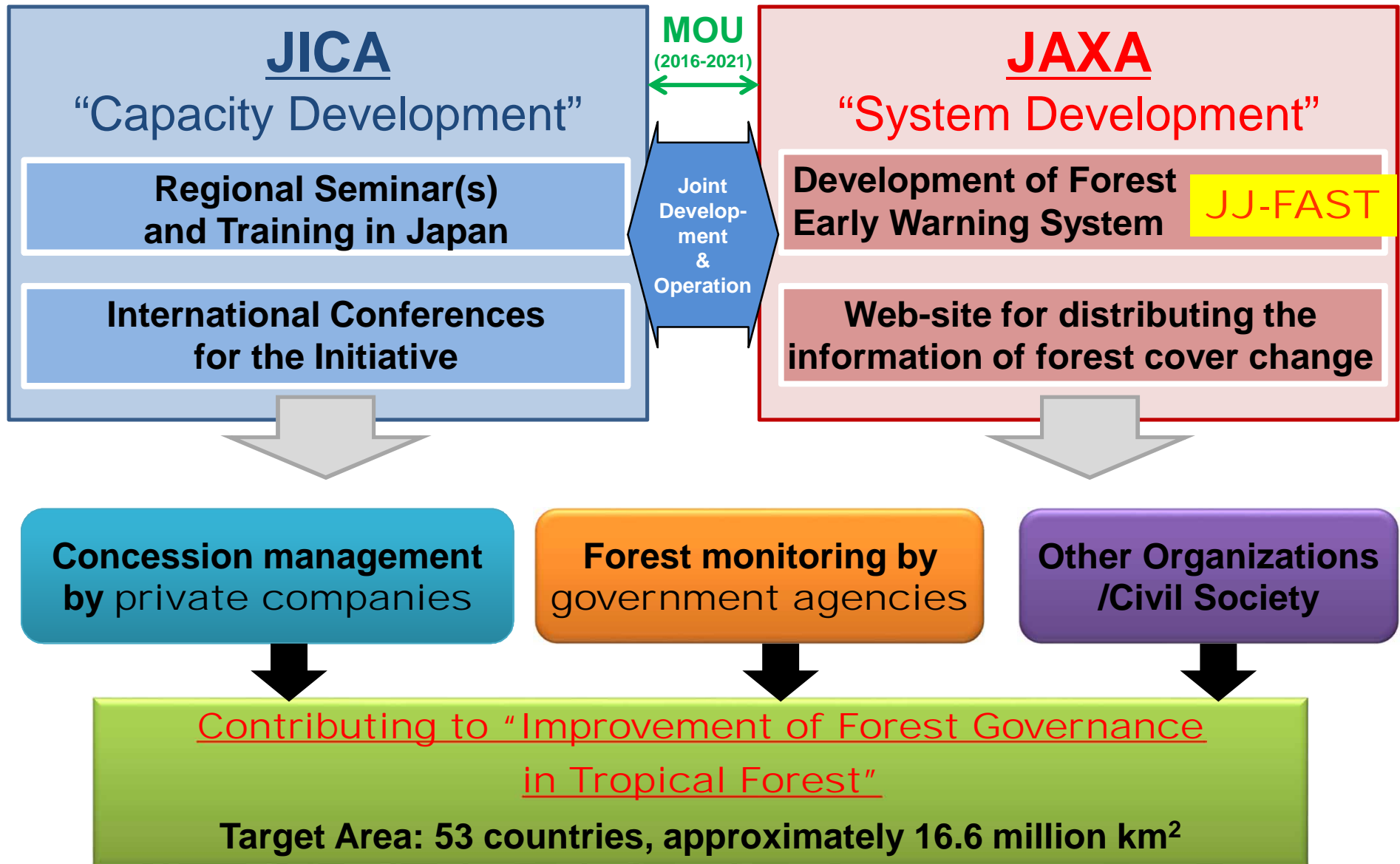




What is Initiative ?



# Outline of the Initiative





# Capacity Development

- **250 officials and foresters** from African countries will be invited to seminar or training by 2020;
  - **Regional seminars**
    - Jan. 2017 : Regional seminar with COMIFAC
    - Mar. 2017 : Regional seminar with SADC
  - **Training Course in Japan**
    - Oct. 2017 : Training for the system in Japan (every year)
- **International Conference for “Forest Governance Improvement Initiative”** will be held in Japan in **Oct. 2017 (tentative)**



**Thank you for your attention !**