



# JICA's contribution to achieve **SDGs**

~ Focusing on Satellite Utilization

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Basic concept of Japan's policy and SDGs are consistent

Japan's Development Cooperation Charter (Feb. 2015)

Sustainable Development Goals (Sep. 2015)

Human Security

No one left behind / People Centered

Inclusiveness/Sustainability/Resilience

No one left behind, Sustainability

Ownership/Capacity Development

Supporting setting National target





## Structuring the Goals of SDGs

contribution to the achievement of ultimate goals



JICA will play the key role in the achieving ten goals by using comparative advantage of its own experience eyeing on the importance of partnership at every stage



core areas for any development effort

Challenge for innovation and expanding partnership

## Flagship Project utilizing Satellite Images

### Forest Governance Initiative ~JICA-JAXA Forest Early Warning System in the Tropics (JJ-FAST)

JICA and JAXA jointly developing JJ-FAST utilizing SAR images(ALOS2), which can detect deforestation from Nov. 2016. JICA-JAXA will provide capacity development program for 500 foresters and organize international conference in Oct. 2017.



**JICA-JAXA Forest Early Warning System in the Tropics: JJ-FAST**

Forest cover change map | About JJ-FAST | Topics | Partnership | Forest Governance Improvement Initiative | About JICA / JAXA

**UPDATED INFORMATION**

- 7 November 2016**  
JJ-FAST web site will be officially opened on 12 November 2016
- 7 November 2016**  
JICA and JICA will hold a side event on 12 November 2016 at the UNFCCC COP22 in Marrakesh: "Forest Governance Initiative - Challenge to Climate Change and Forest Conservation using Satellite Data - Program and Registration"
- 27 August 2016**  
TICAD VI Side Event: Initiative for Improvement of Forest Governance - JICA-JAXA Forest Early Warning System in the Tropics: JJ-FAST, was held in Nairobi, Kenya on 27 August 2016. [Site](#) [more](#)
- December 15 2015**  
JICA and JAXA announced the Initiative for Improvement of Forest Governance at the

### Feature of JJ-FAST

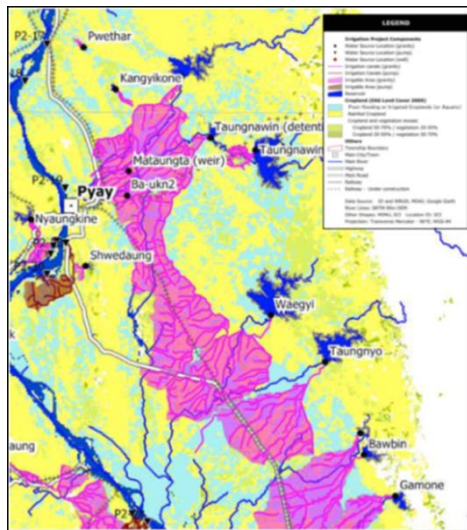
- Covering all tropical forest until Oct. 2017
- Every 1.5 months even in rainy season
- Spatial resolution is 50m (target)
- Providing Polygon Data (Forest cover change)
- Everybody can access freely

site: <http://www.eorc.jaxa.jp/jjfast/>

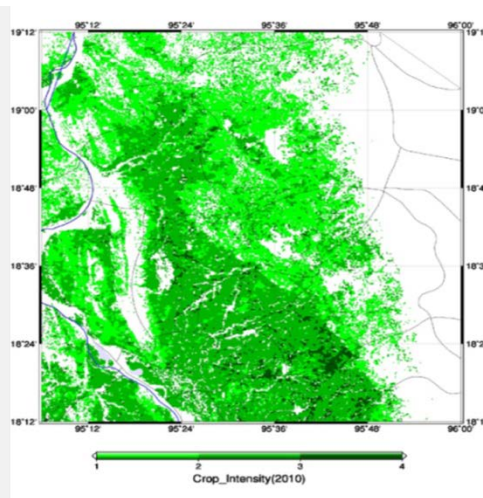
## Flagship Project utilizing Satellite Images

### Research of Satellite Data Application for Agricultural Effective Indicator's Collection in Myanmar

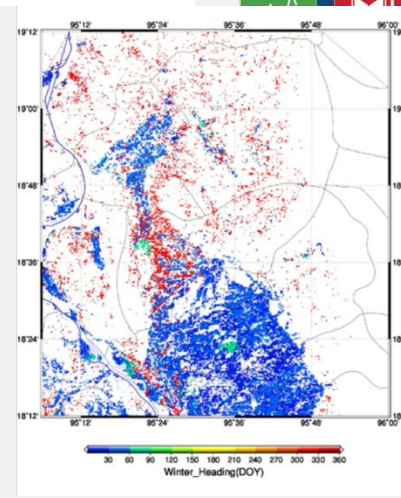
JICA and JAXA had a research for grasping these information by utilizing satellite data (MODIS, ALOS-2, Landsat and Rapid Eye) at Bago region



Irrigation area map



Estimated crop history data in 2010/2011



Estimated crop luxuriant data in winter season

## Flagship Project utilizing Satellite Images

- Capacity Development Program to SANSA**
- Training Program in Japan**
- JAXA Advisor assignment to SANSA**

Cooperation for South African National Space Agency (SANSA) to utilize **SAR images**, especially for water resource Management, food security and agriculture, disaster risk management, and marine safety and transport.





## Strong Partnership



- Knowledge and Information on Developing Countries
- Strong Network among stakeholders including Developing Countries
- Various implementation scheme



- Advance Technology
- Providing Satellite Images for JICA Project
- Resources for Experts, Providing Training Program etc.

**MOU signed on Apr. 23, 2014**



# Conclusion

- Developing Countries (line ministries) sometime don't have enough capacity to utilize Satellite technology to achieve SDGs.
- Space Agencies such as JAXA have technology and satellite images.
- **Working together (Partnership);**  
Development Agencies such as JICA can be a bridge among stakeholders to achieve SDGs
- Challenges are...
  - (a) Strengthen partnership...
  - (b) Capacity development of DCs...
  - (c) Cost of satellite images (who bears?)...