Forest Governance Initiative

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

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Back Ground
Our previous cooperation in Brazil

Annual Deforestation Area in the Legal Amazon

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

Source: INPE
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.**

<table>
<thead>
<tr>
<th>Year</th>
<th>Detection of Deforestation</th>
<th>Illegal Logging</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>1,007</td>
<td>140</td>
</tr>
<tr>
<td>2011 (stopped in April)</td>
<td>176</td>
<td>11</td>
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</tbody>
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**During the Project…**
Background of New Initiative

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

MOU between JAXA-JICA was signed in Apr. 2014 to contribute “Global Issue” using Japanese satellite technologies.
What is Initiative?
Outline of the Initiative

**JICA**

"Capacity Development"

- Regional Seminar(s) and Training in Japan
- International Conferences for the Initiative

**JAXA**

"System Development"

- Development of Forest Early Warning System
- Web-site for distributing the information of forest cover change

**MOU (2016-2021)**

- Joint Development & Operation

**Concession management by private companies**

**Forest monitoring by government agencies**

**Other Organizations/Civil Society**

**Contributing to “Improvement of Forest Governance in Tropical Forest”**

Target Area: 53 countries, approximately 16.6 million km²
• **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!

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