

JAPANESE CONTRIBUTION TO THE DEVELOPMENT OF MRV SYSTEM ON INDONESIAN FOREST AND PEATLAND

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IJ-REDD+ Implementation

West Kalimantan

Output 1: Sub-national framework on REDD+ is developed

Output 2: National park REDD+ model is developed at GPNP. Output 3: REDD+ model for HP/HL/APL is developed at pilot site(s) **Central Kalimantan**

Output 4: Capacity of carbon monitoring is enhanced at the provincial level

Possible utilization of SATREPS 's results X lesson learnt

Output 5: Project findings are referred to in the process of developing REDD+ implementation mechanisms at the national level.

Internalization/ Mainstreaming SATREPS 's result

Project Purpose: REDD+ implementation mechanism is developed in West and Central Kalimantan.

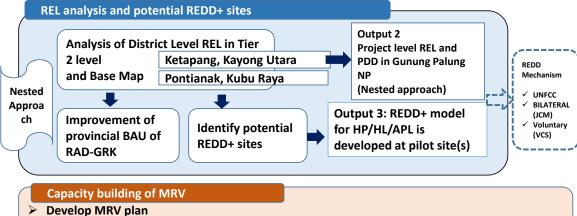


Overall Goal: REDD+ implementation mechanism developed by the project is integrated into national REDD+ mechanism.



Setting up

- > Forming a team (technical committee) consist of JICA team, Provincial Government, University, UPT of MoFr
- Workshops on REDD+ and Climate Change in West Kalimantan

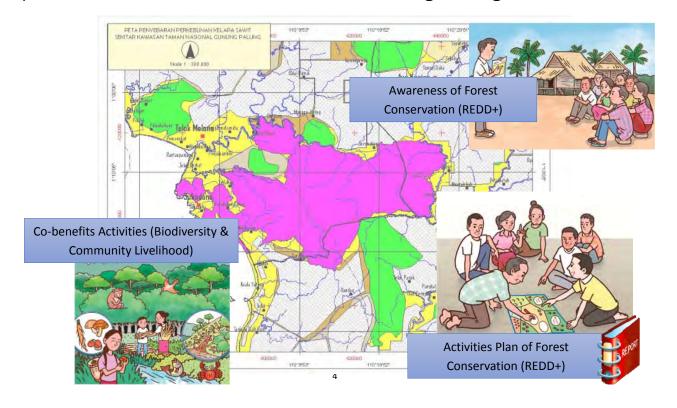


- > Training for MRV (GIS, Satellite image Analysis) Training in Japan, Local training Input: GIS software, satellite image

Policy formulation and implementation support

- Formulation of Provincial REDD+ Strategy
- **RAD-GRK** implementation support (collaboration with JICA peat fire prevention project)

Output 2. National Park REDD+ Model: Gunung Palung NP



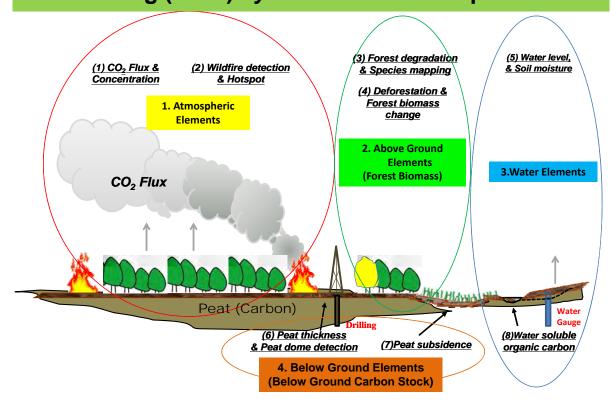




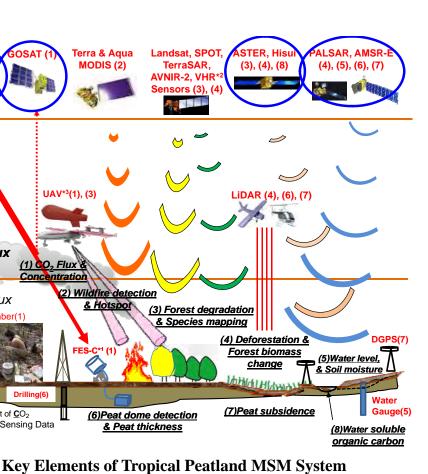
Estimating Carbon Fluxes and Stocks through integrated monitoring in Tropical Peatland

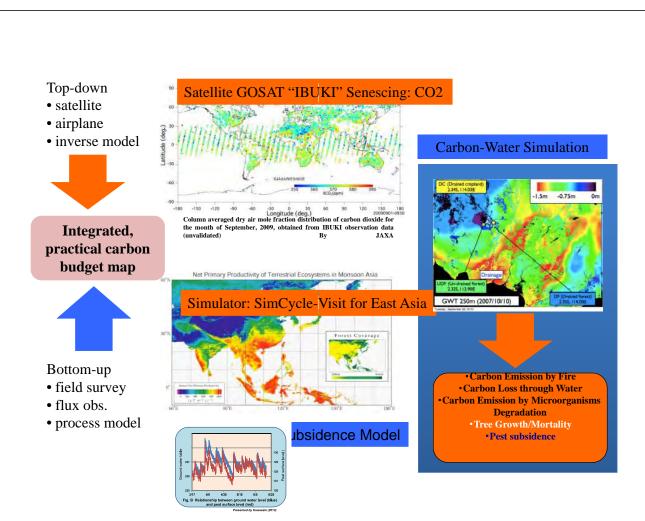
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Key elements for integrated Monitoring-Sensing- Modeling (MSM) system of Carbon in peatland



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Terra & Aqua

MODIS (2)

(2) Wildfire detection

& Hotspot

& Peat thickness

UAV*3(1), (3)

(1) CO₂ Flux & Concentration

Satellite

Airborne

/***UAV

Ground

Lateral CO₂ Flux

Vertical CO₂ Flux

Tower(1)

*1:FES-C : Fiber Etalon Solar measurement of CO2

*3:UAV: Unmanned Aerial Vehicle
*4:LCTF: Liquid Crystal Tunable Filter

Red: Instrument

Black: Target

*2:VHR : Very High Resolution Remote Sensing Data

Chamber(1)