WRI INDONESIA

Global Forest Watch Experience in Indonesia

Restore+ Project Kick Off Meeting, IIASA Laxenburg, 18 – 20 April 2017

GFW – Growing Partnership Initiative

The 4th Annual GFW Partnerships Meeting, 8 – 9 February 2017
WRI, Washington DC

GLOBAL FOREST WATCH

BETTER FOREST INFORMATION.
BETTER FOREST MANAGEMENT.

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**FOREST
DATA
CHALLENGES**

NOT RELIABLE

NOT UP-TO-DATE

DISPERSED

EXPENSIVE

VERY TECHNICAL

NOT INTERACTIVE

DATA ——— GLOBAL **FOREST** WATCH ——— USERS

SPACE AGENCIES
NATIONAL
REGIONAL
LOCAL
CROWD

MAKES COMPLEX DATA
EASY TO UNDERSTAND &
DECISION-RELEVANT
·········
IN NEAR-REAL-TIME

GOVERNMENTS
BUSINESS
CIVIL SOCIETY
COMMUNITIES

NEAR REAL TIME - HIGH RESOLUTION - GLOBAL COVERARGE

TRANSFORMING INFORMATION INTO TRANSPARENCY AND ACTION

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Annual Tree Cover Loss Data

Story #1 Encroachment in Leuser Ecosystem

THE LEUSER ECOSYSTEM

GLOBAL FOREST WATCH

FOREST CHANGE   LAND COVER   LAND USE   CONSERVATION

FOREST CHANGE (1)

HIGH RESOLUTION IMAGERY (1)

Tree cover loss, zoom in for most accurate viewing
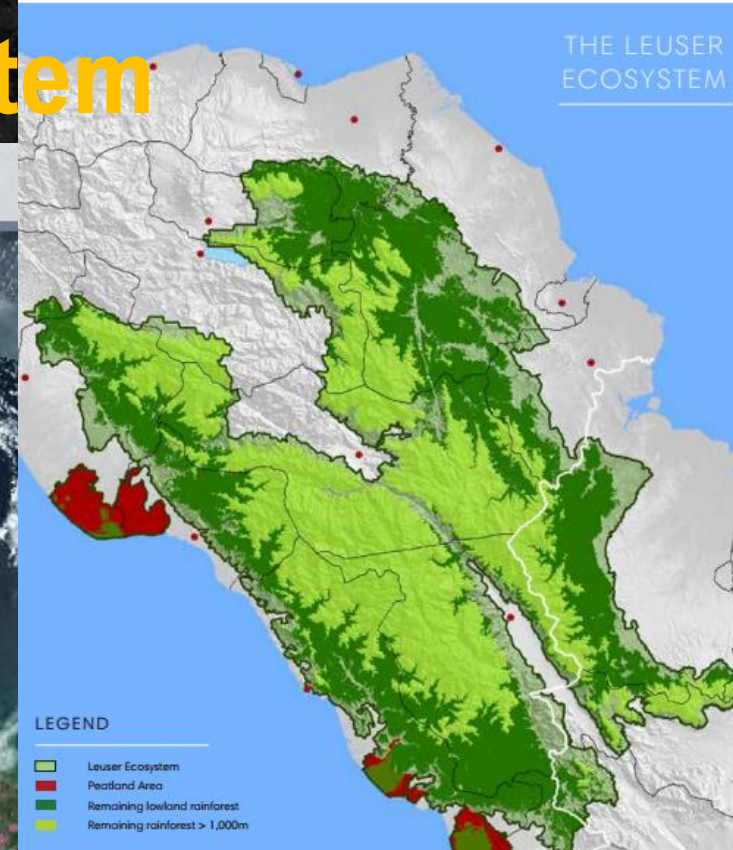
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

Google   Google Earth Engine   CARTO   urthecast   Show footer

LEGEND

Leuser Ecosystem
Peatland Area
Remaining lowland rainforest
Remaining rainforest > 1,000m

Leonardo DiCaprio: We Must Save the Last Place on Earth Where Orangutans, Tigers, Rhinos and Elephants Coexist

Leonardo DiCaprio is using his clout to protect the struggling Leuser Ecosystem, a precious rainfor Sumatra, Indonesia that's under threat from industrial development for palm oil.

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Encroachment in Leuser Ecosystem (2001-2014)

Encroachment in Leuser Ecosystem (2001-2014)

Forest Watcher Mobile App (Testing Phase)

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Purpose:
To put GFW information in the hands of local decision-makers by harnessing their capacity to monitor forests using mobile technology and creating a model that can be replicated across the globe.
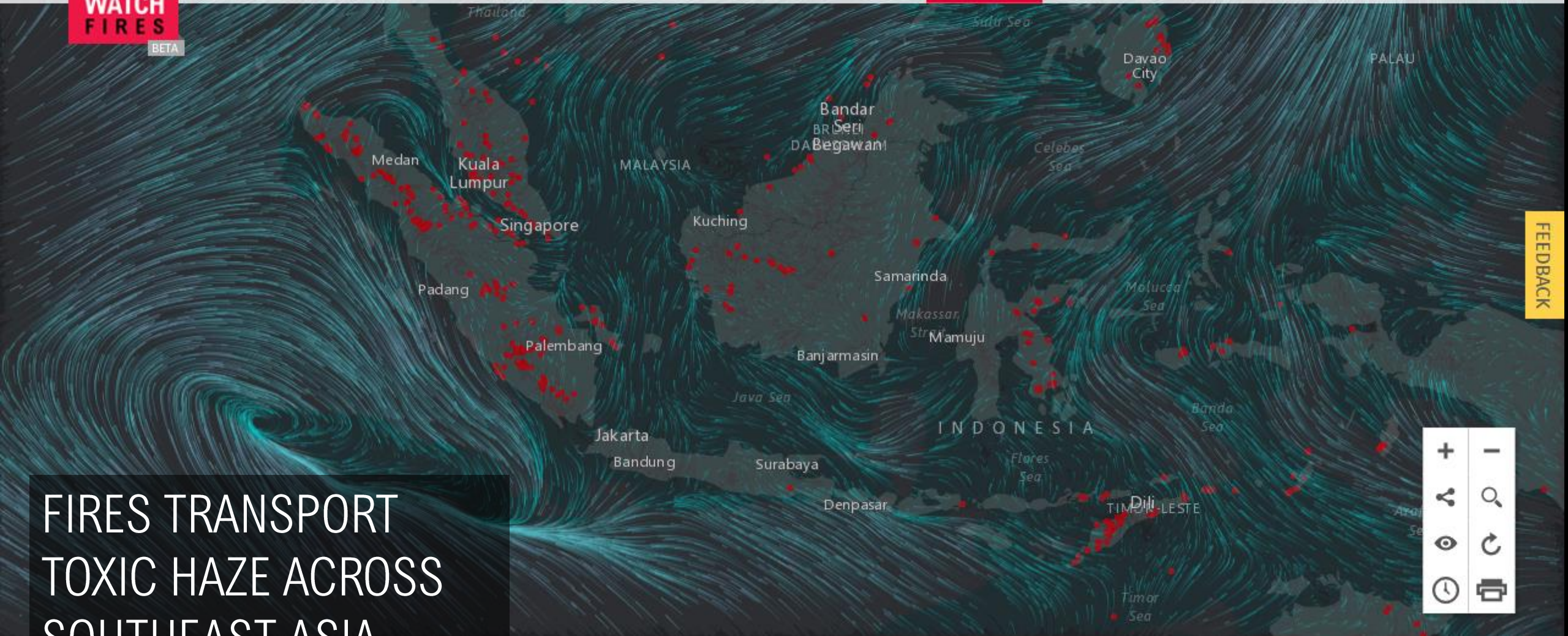
Goal:
To improve forest conservation on the ground by enabling local stakeholders with limited and occasional Internet connectivity to access GFW data and collect ground information using mobile and cloud technologies.

Story #2

2015 FIRE SEASON – WORST IN ALMOST 20 YEARS, DUE TO EL NINO
COUPLED WITH ANTHROPOGENIC FACTORS

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FIRES TRANSPORT
TOXIC HAZE ACROSS
SOUTHEAST ASIA

OVER 200,000 PEOPLE HAVE PARTICIPATED IN GFW CAMPAIGNS WITH OVER 6,000 FIRES AND BURN SCARS MAPPED

Forest and Peat Fires Analysis : GFW Way
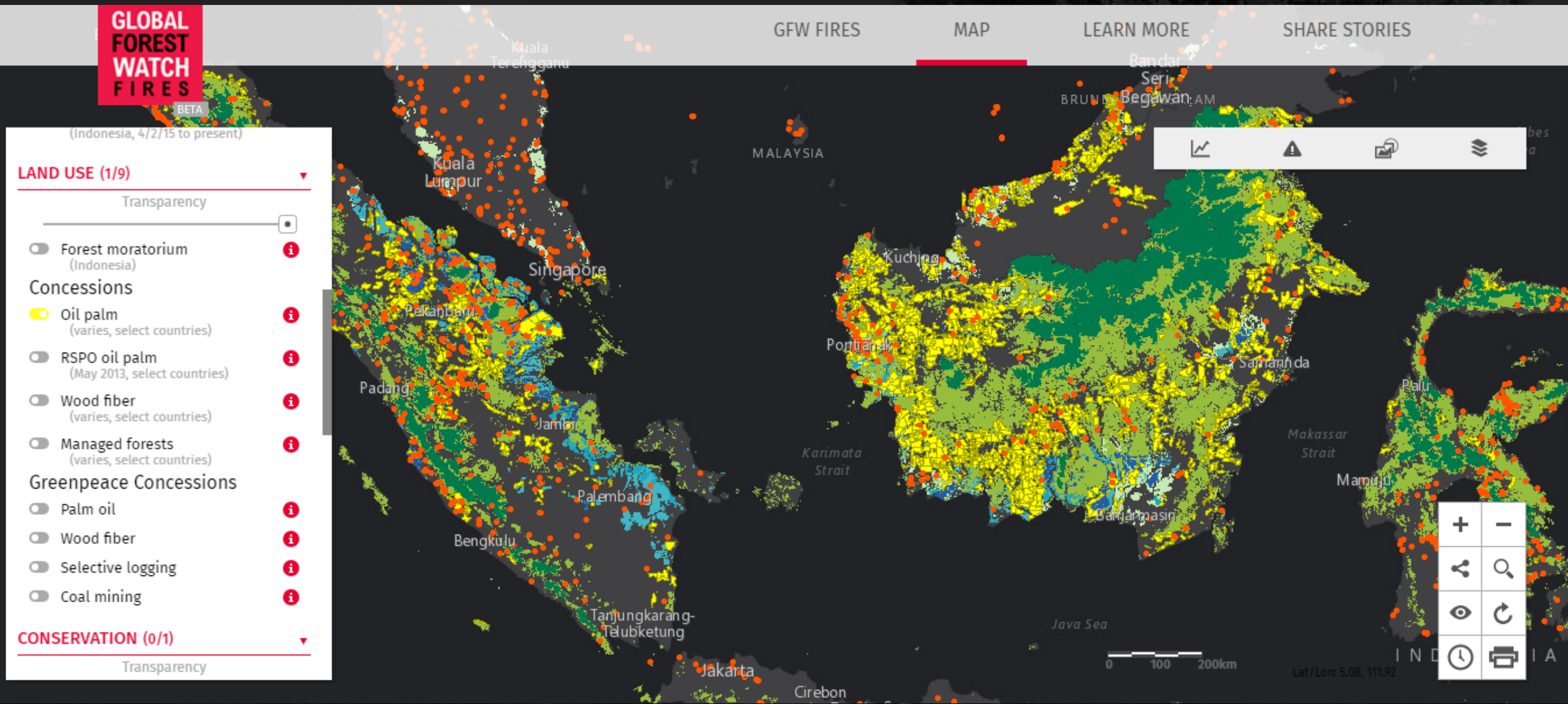
Forest and Peat Fires Analysis : GFW Way

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Other Sites

MAKING BIG IDEAS HAPPEN™

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Climate   Energy   Food   Forests   Water   Cities   BUSINESS   ECONOMICS   FINANCE   GOVERNANCE   Enter a term

After Record-Breaking Fires, Can Indonesia's New Policies Turn Down the Heat?

by   Arief Wijaya, Susan Minnemeyer, Reidinar Juliane, Octavia Payne and Andres Chamorro -
September 19, 2016

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For the last several years, forest fires driven by agricultural expansion have spiked every summer in Indonesia, creating smog and public health crises, including more than 100,000

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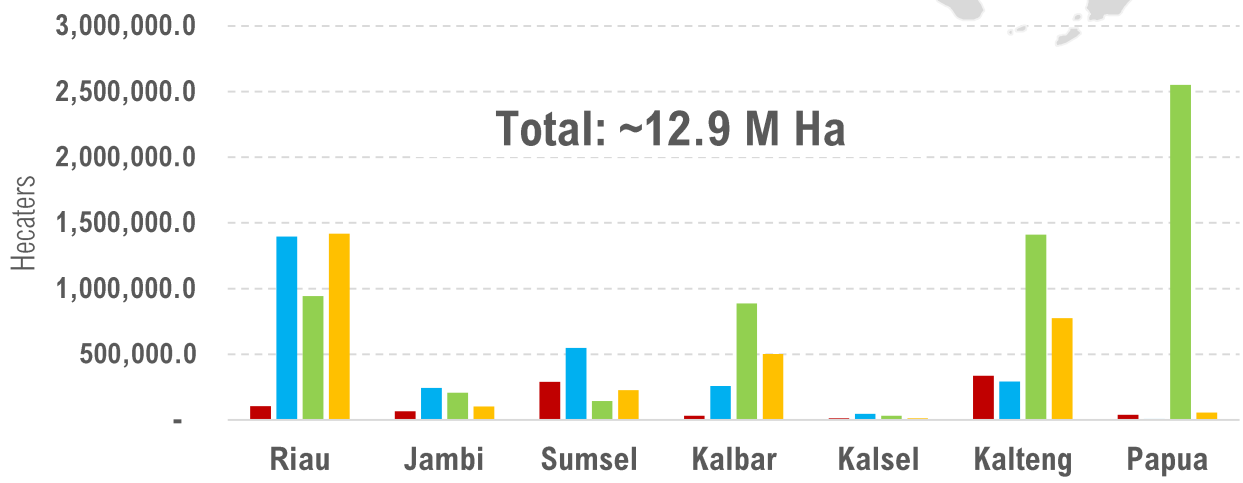
The targeted peatland is divided into 4 (four) classifications and spread across 3 islands and 7 provinces

West Kalimantan

Riau

Jambi

South Sumatera

Central Kalimantan

South Kalimantan

Papua

1 Post 2015 peat fires

2 Peat dome with canal

3 Peat dome without canal

4 Peatland with canal

Total: ~12.9 M Ha

Hecaters

Riau · Jambi · Sumsel · Kalbar · Kalsel · Kalteng · Papua

Existing condition:
- Degraded peatland, potential for restoration: 6.757.997 Ha
- Intact peatland, potential for protection: 6.174.492 Ha

Restoration
- Restoration priority for 7 provinces by 2020: 2.103.327 Ha
- Degraded peat area potentially for intervention by other institutions outside of BRG: 4.654.670 Ha
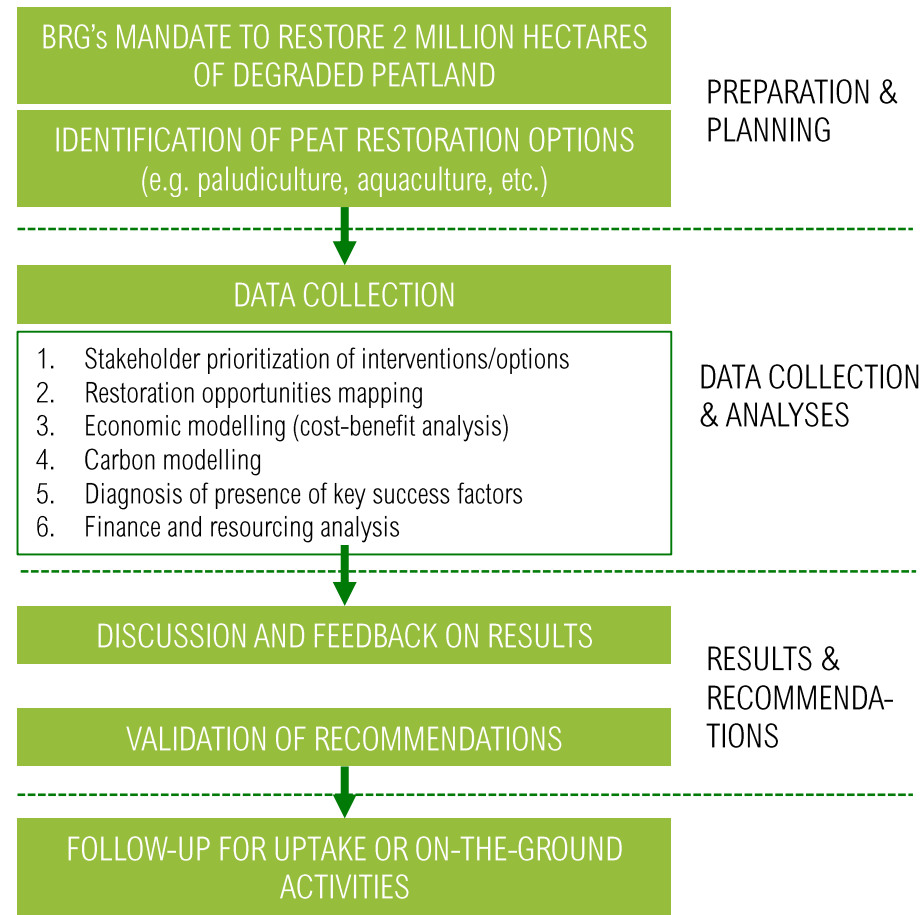
Restoration work plan
Applying ROAM, we will identify scope of restoration and setting up satellite team on the ground
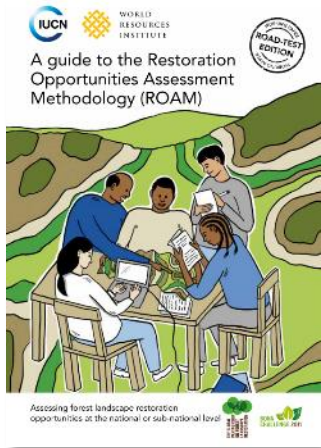
Vielen Dank! Thank you!

contact: arief.wijaya@wri.org
globalforestwatch.org