



UNIT KERJA PRESIDEN
PENGAWASAN DAN PENGENDALIAN
PEMBANGUNAN

Indonesia ONE MAP: Forging a functioning National Geospatial Information Network Infrastructure

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Indonesia*

Locate14 Conference

National Convention Center, Canberra

8 April 2014

1

Current development and decision making situation: lacking good geospatial data and information

2

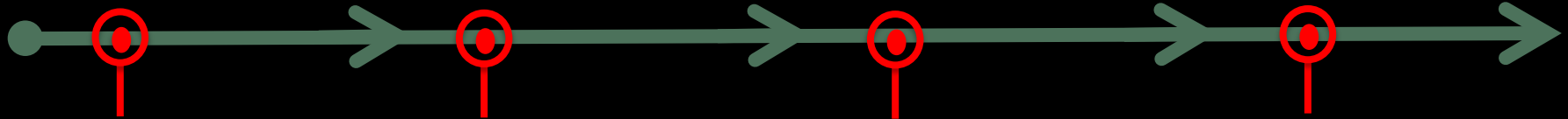
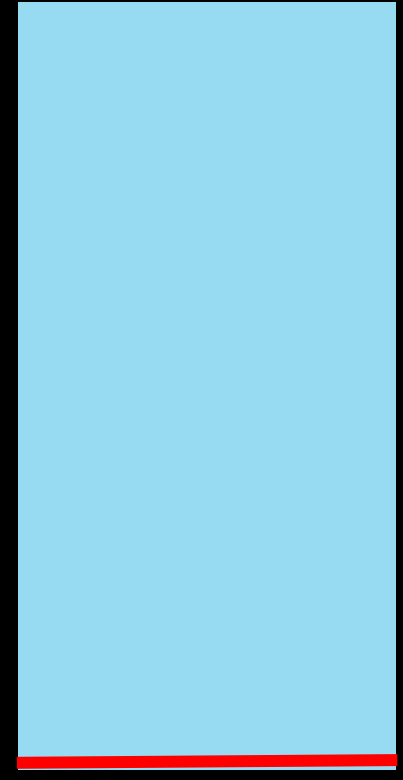
Indonesia ONE MAP: important step in building up good spatial data and information

3

National Geospatial Information Network Infrastructure: providing geospatial information to promote smarter government service delivery

1

Development planning, implementation and monitoring needs good quality basic data and information!



Basic map – one authoritative baseline map
1:50K

Indonesia forest area definitive map (1:50K)

Provincial spatial plan (1:250K), city/regent (1:50K)

Issuance of land-based concession, infrastructure development ...

2

The pressing need is to have a basic map at an operational scale to be used as a single reference ...

Clear Land Borders, Or No Concessions

Fidelis E. Satriastanti & Alina Musta'idah | February 01, 2012



An aerial photo shows a logged area in the vast track pulp wood concession operating in the mountains of Sumatra. With land disputes increasingly said to be at the core of many recent conflicts, the Forestry Ministry will require applicants for land concessions to first clarify the boundaries of the land concerned and assure that it is free of any overlapping claim. (AFP Photo/Romeo Gacad)

Applicants for land concessions in Indonesia will be forced to clarify the boundaries of the land they want to show that there is no overlapping of concessions. The Ministry announced on Tuesday after a series of eruptions of violence linked to land disputes.

Hadi Daryanto, the secretary general of the Forestry Ministry, said the government would issue a ministerial decree on the process to speed up the process for forestry concessions.

Spatial planning hampers Karawang airport's project

Nurfika Osman, The Jakarta Post, Jakarta | Headlines | Sat, March 23 2013, 8:58 AM

A- A+ A+

Paper Edition | Page: 3

The construction of Karawang International Airport, set to ease the load at the country's main gateway, Soekarno-Hatta International Airport, will likely see a delay from its original plan as it had yet to be included in the region's spatial plan.

Related articles

[Indonesia Pushes for Amendment Addressing Land Disputes](#) 9:45am Feb 14, 2013

[East Kalimantan Governor Urges Land Dispute Resolution](#) 5:46pm Feb 9, 2013

[Protecting Indonesia's Environment a Delicate Balancing Act](#) 8:45pm Jan 29, 2013

1:50K

... yet coordinated, collaborated and synchronized development
development delivery remains a pressing issue ...



1

Current development and decision making situation: lacking good geospatial data and information

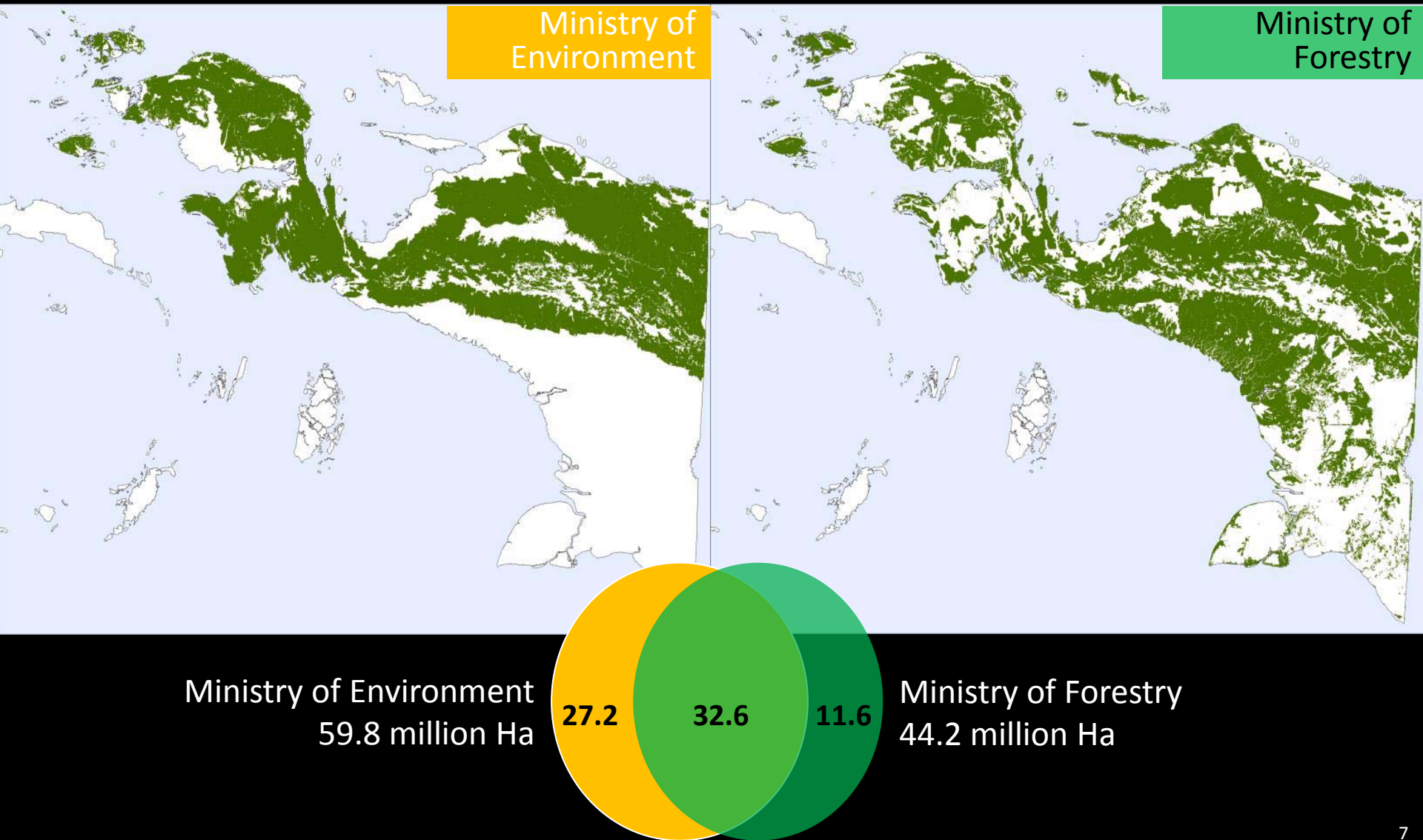
2

Indonesia ONE MAP: important step in building up good spatial data and information

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National Geospatial Information Network Infrastructure: providing geospatial information to promote smarter government service delivery

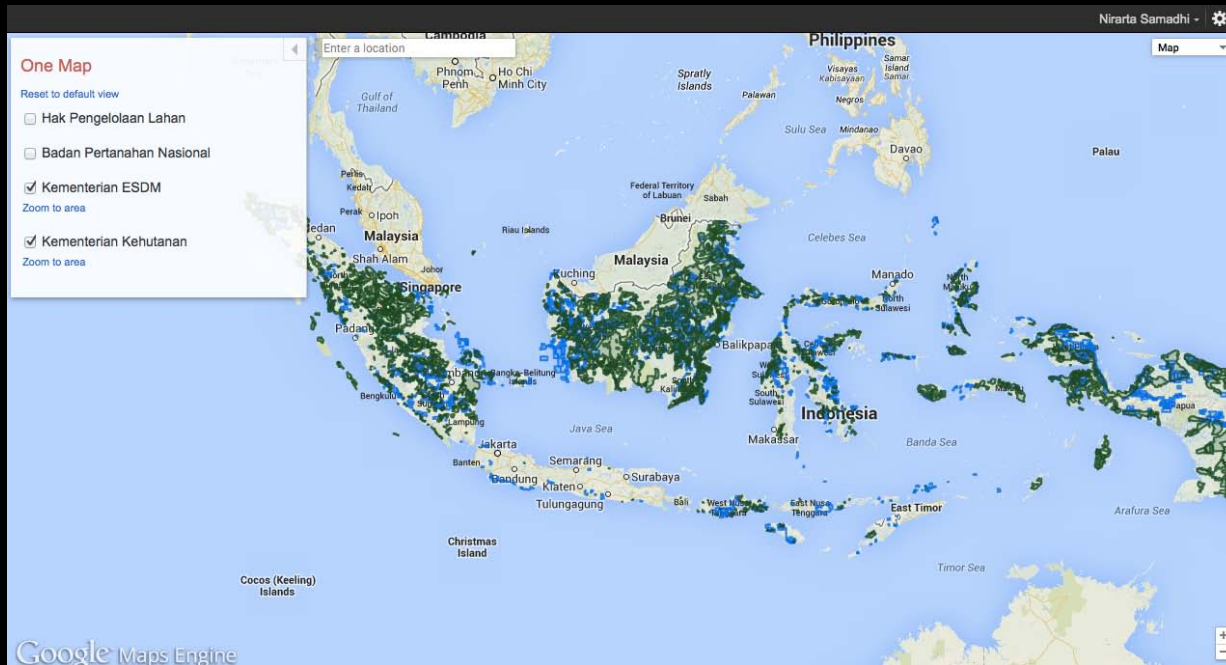
4 Papua Primary Forest 2009: a comparison between Ministry of Environment and Ministry of Forestry maps



5

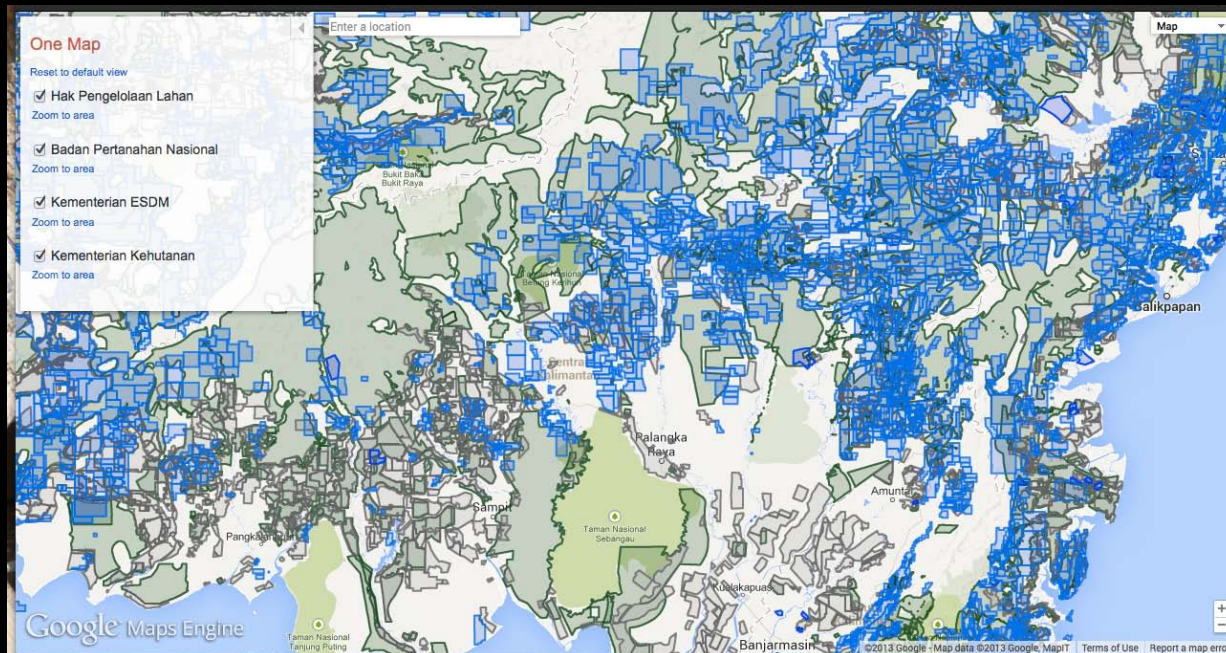
Three different polygons of similar forest concession ...





6

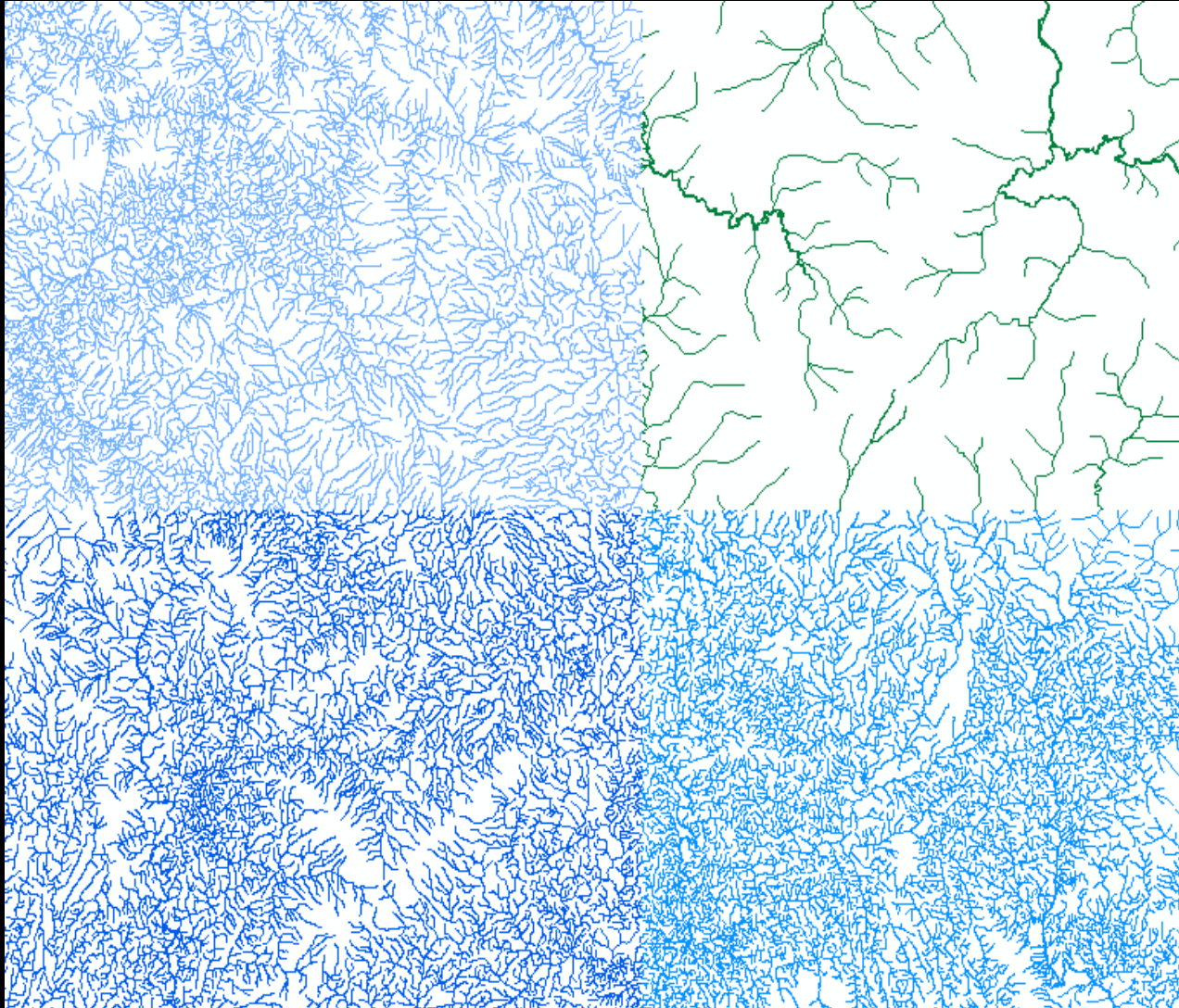
Land-based concession polygons in the ONE MAP database



Overlapping concession, non-synchronized lines of admin boundary, concession area, and so forth ...

7

River density on the Central Kalimantan basic map ... issues on quality assurance and mapping industry competence



1515-31

1515-32

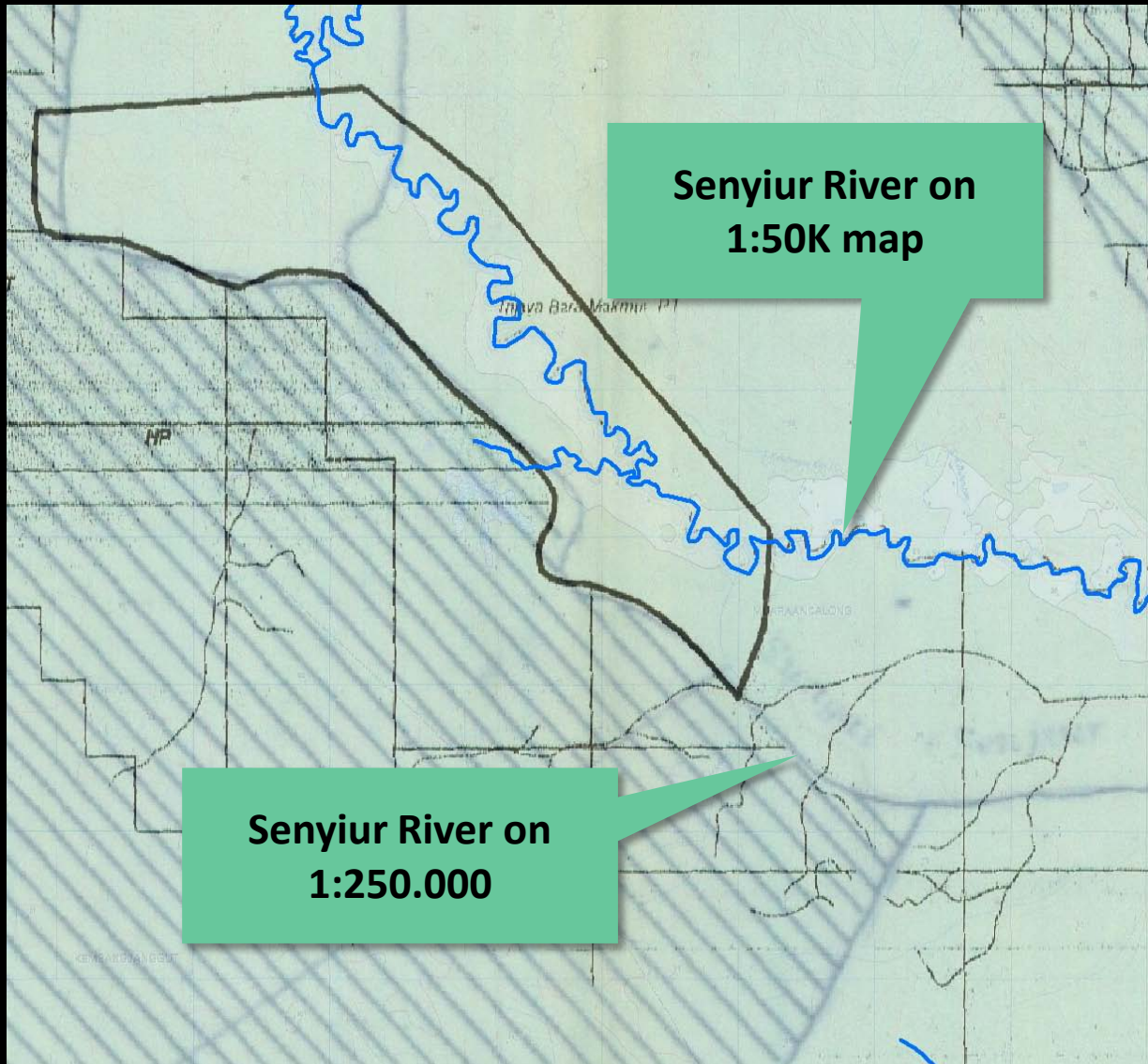
1515-33

1515-34

8

Map of administrative areas and boundaries in South Sumatera Province from two official sources show **different boundary and geometrical shape of the same administrative area ...**





... a Production Forest Area concession had been determined at the scale of 250K, using river and its coordinates as reference, at the scale of 1:50K coordinates and river line are markedly change ... **resulting in dispute on the area that has been exploited ...**

10

Indonesia answers the need to have a credible and authoritative map through ONE MAP initiative



one

Reference

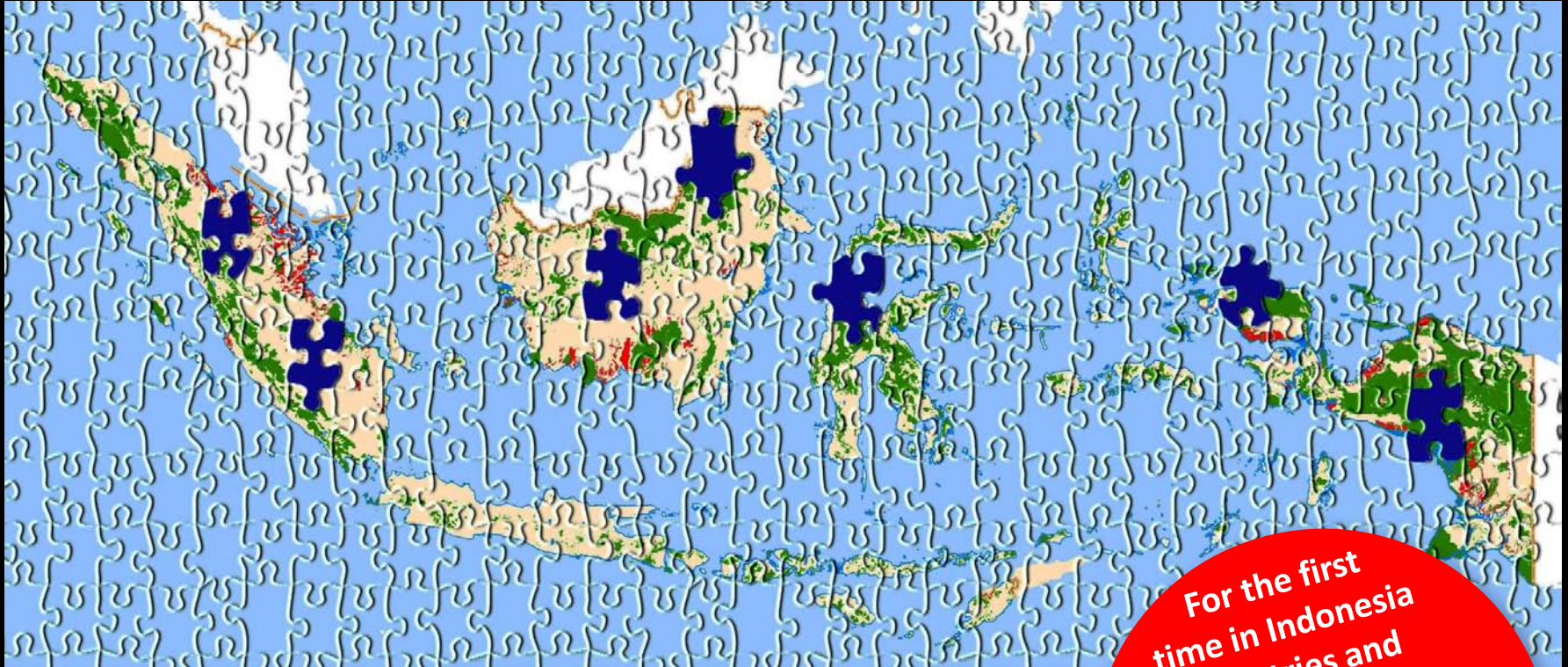
Standard

Database

Geoportal

11

ONE MAP processes create collaboration opportunity and trust building among ministries and state agencies ... and gaining authoritative map quality



For the first time in Indonesia ministries and state agencies work together and collaborate to conceive and update a common map!

ONE MAP initiative main targets by the end of the current Indonesian presidency on October 2014 ...



Wall-to-wall base map of Indonesia at the scale of 1:50K as 'one reference' which will be freely downloaded from BIG website.



Issuance of additional 26 Indonesia National Standard on mapping and surveying as part of 'one standard', including standard on the establishment of Geospatial Information Service Development Agency and participatory mapping.



Integrated License Information System which collects complete land-based concession data/information from various ministries and local government as part of 'one database'.



Full operation of Indonesia's National Geospatial Network Infrastructure (www.tanahair.indonesia.go.id) as 'one geoportal' ... and additional web service capability ...

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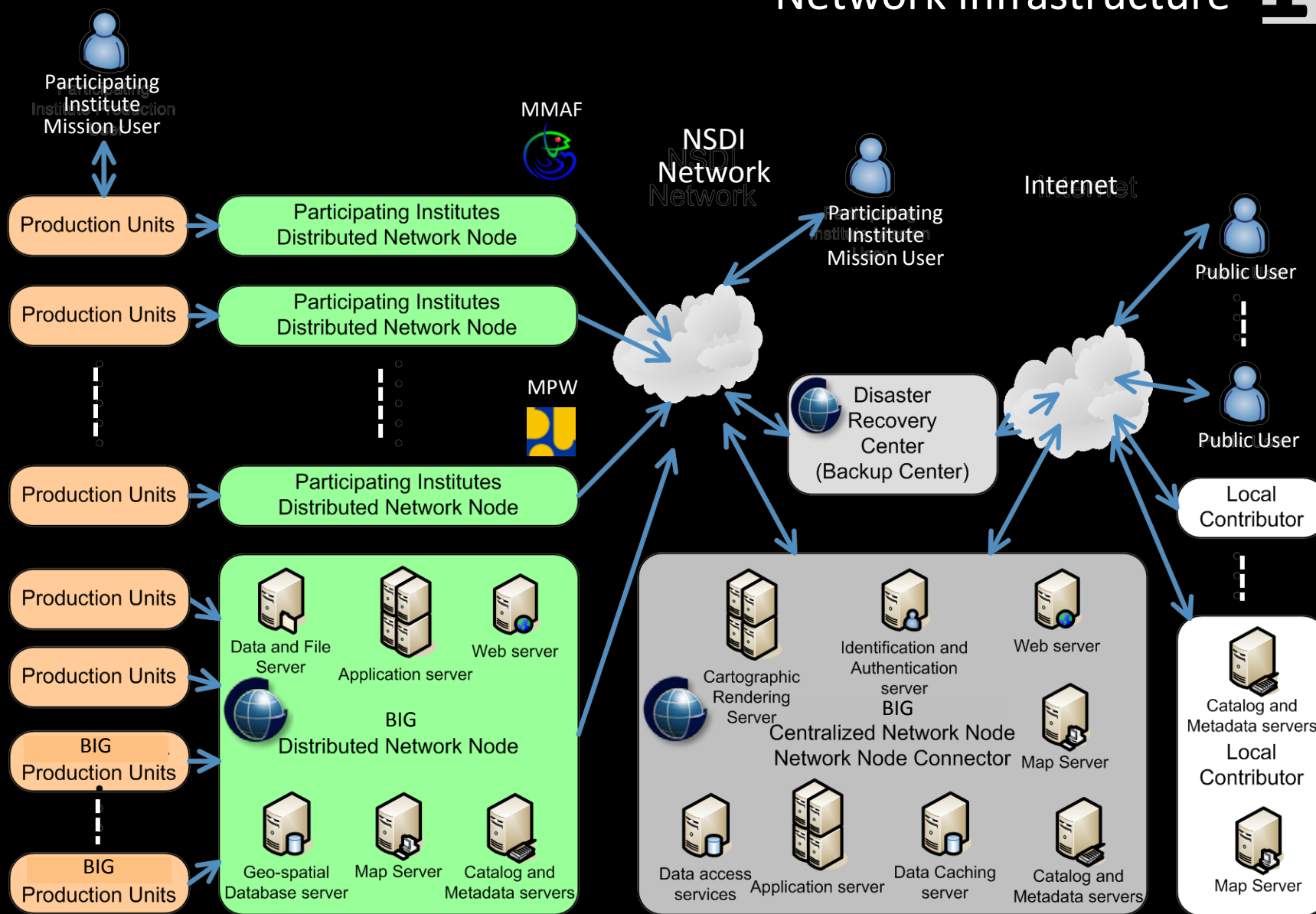
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National Geospatial Information Network Infrastructure: providing geospatial information to promote smarter government service delivery

Geospatial Information Act No.4/2011: from national spatial data infrastructure to National Geospatial Information Network Infrastructure

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Ina-NGINI: the authoritative geoportal to access sectoral and sub-national geospatial information ... will provide platform for crowdsourcing map update and hosting independent map

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The image shows two overlapping screenshots of the Ina-SDI website. The background screenshot is the main portal, and the foreground screenshot is a gallery page.

Main Portal Screenshot:

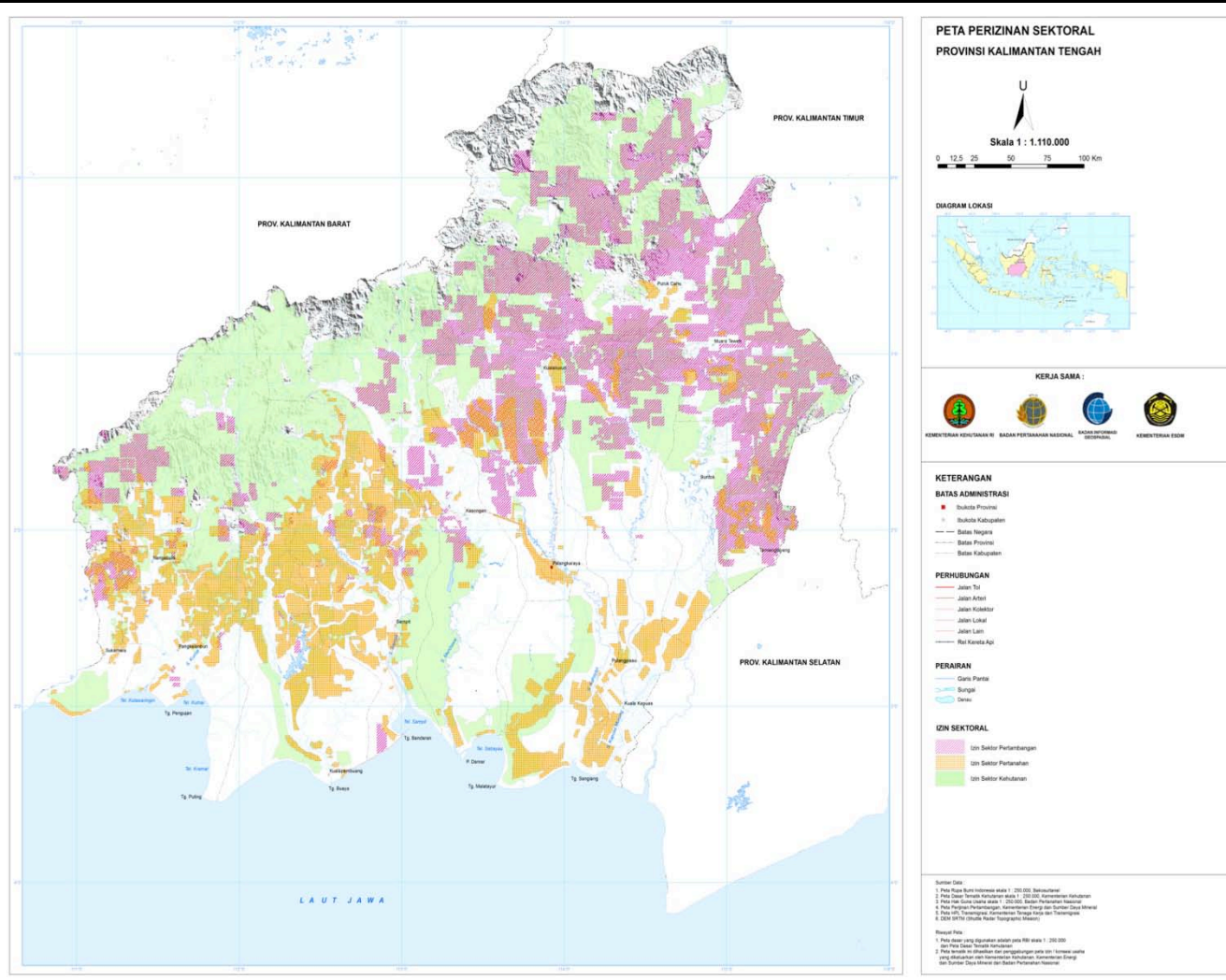
- Navigation bar: Ina-SDI, GALERI, PETA, GROUP, KONTENKU. Search bar: Cari peta, aplikasi, dll...
- Header: Geospasial Untuk Negeri
- Text: Informasi geospasial menambah dan memperkuat pengetahuan kita memecahkan berbagai masalah. Use this site in English.
- Footer: **Lihat Galeri** (Lihat peta dan aplikasi dari pengguna dan gugus kerja portal INA-SDI.), **Lihat Grup** (Bekerja bersama dengan pengguna lain dan saling bertukar minat.), **Membuat Peta** (Buat peta untuk ditampilkan di Web, deskripsi dan perangkat mobile.), **Mulai ArcGIS Explorer Online** (Cara lain untuk memanfaatkan peta di portal INA-SDI.).

Gallery Screenshot:

- Navigation bar: Ina-SDI, GALERI, PETA, GROUP, KONTENKU. Search bar: Cari peta, aplikasi, dll...
- Section: Galeri peta-peta untuk portal INA-SDI
- Sub-sections: Maps, Web Apps, Mobile Apps
- Map 1: Peta Sebaran Instalasi Air Minum Berdasarkan Debit Keluaran Tahun 2010-Copy. Description: Peta yang menunjukkan sebaran instalasi air minum yang dibangun oleh Ditjen Cipta Karya Kementerian Pekerjaan Umum. Web Map by admin (last modified: September 28, 2011). Rating: 0 ratings, 0 comments, 2 views. Button: Open in Geospasial Untuk Negeri viewer.
- Map 2: Rumah Sakit
- Map 3: Serana Bantu Navigasi Pelayaran (SBND)
- Map 4: Kandang Ekonomi: Sumatera
- Map 5: Pelabuhan Penyeberangan
- Map 6: Bandar Udara
- Map 7: Alur Pelayaran

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Central Kalimantan Province: synchronized base map, completed concession database, ongoing concession audit ... Indonesia's geospatial data with good quality for smarter provincial development



**Central Kalimantan
Province
13,149,791 Ha have been
concessioned out of
15,356,450 Ha**

Mining	3,637,279 Ha
Plantation	2,407,134 Ha
Forestry	7,105,377 Ha

**The data enable a
parallel temporal
visualisation of
deforestation and
issued concession**

...

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SIP ... a geo-referenced land-based concession/license information system: improving resource management and governance

Perizinan Penggunaan Lahan

← → ↻ sip.ukp.go.id/legal/

SIP Sistem Informasi Perizinan

Beranda ▶ Perizinan ▶ Pencarian Peta 5 April 2014, 11:27 pm Pengguna: admin_kosasih (Pusat) Logout

Beranda Daftar Perusahaan Atur Pilihan

Tambah Perusahaan Tambah Perizinan

Google

Data peta ©2014 AutoNavi, GERMIPA, Google, MapIT, ZENRIN 200 km Syarat Penggunaan

IN 23:27 05/04/2014

Forest monitoring tool of Indonesia's Corruption Eradication Commission ... *Indonesia Memantau Hutan* or Indonesia Monitors the Forest, a crowdsourcing system to be launched ...

INDONESIA MEMANTAU

MEWUJUDKAN INDONESIA BEBAS DARI KORUPSI

BERANDA

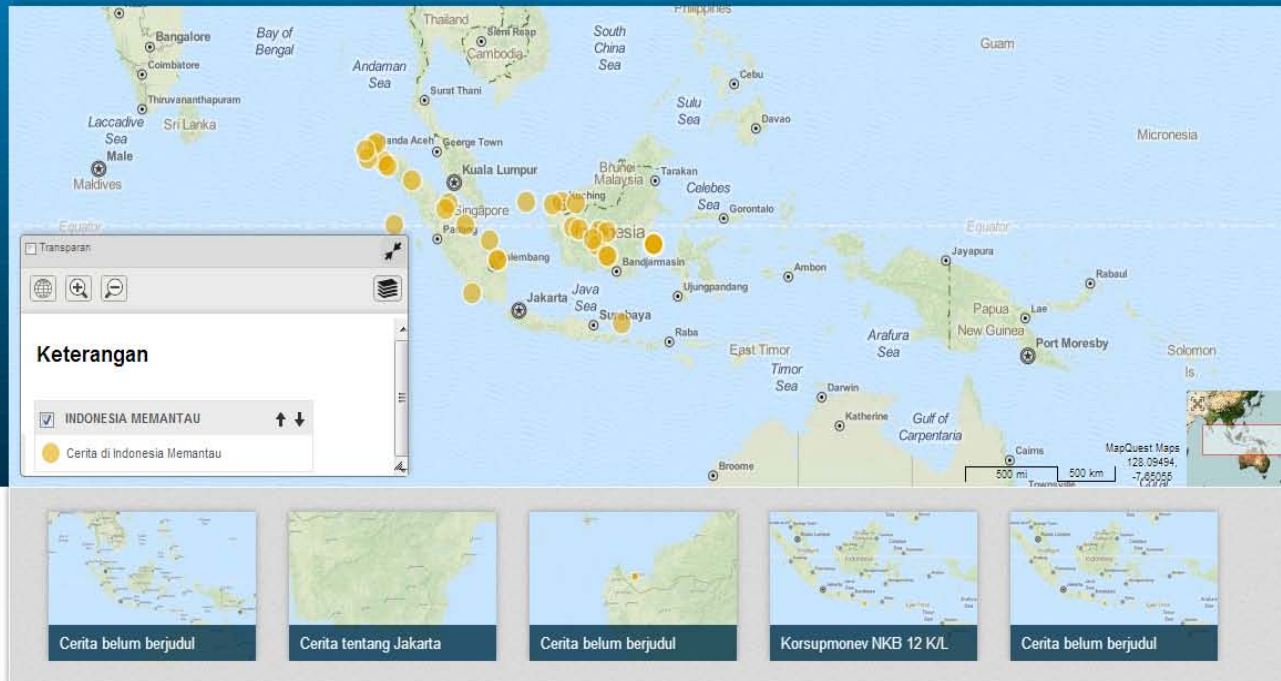
TOPIK

KONTAK

MASUK

ketik untuk mencari

Cari



Indonesia Memantau Hutan (IMH) merupakan sebuah sistem informasi manajemen berbasis geospasial yang dikembangkan untuk memantau pelaksanaan kebijakan kehutanan di wilayah Indonesia. Adapun data dan informasi yang ada di dalamnya berisi kumpulan data-data spasial dan data non-spasial dari berbagai lembaga pemerintah yang terkait kebijakan sektor kehutanan

17

LAPOR! ... a geo-referenced public participation tool to improve city service



081315766XXXX – 18 February

“Gunung Sahari Street is damaged and potholed at several places. Please repair”

Provincial gov’t of Jakarta sent out disposition to Public Works Unit (PWU)

PWU - 19 February

“Information received and will be followed up shortly. Thank you”

PWU - 27 February

“Repairment has been done at Gunung Sahari Street, please check the picture attached. Thank you”

081315766XXXX – 27 February

“Yes sir .. It has been repaired. Thanks a lot!”

LAPOR!
LAYANAN ASPIRASI DAN PENGADUAN ONLINE RAKYAT

LOGIN PENGGUNA:
E-Mail / No. HP: Password:
☐ Ingat Saya

BERANDA > TINDAK LANJUT LAPORAN

Jalan Rusak di Daerah Gunung Sahari

LAPORAN:
Saya mau lapor: Jalan gunung sahari masih banyak yang bolong. Terutama di putaran balik sebarang Direction Hotel untuk menuju arah Mangga Dua.

LAMPIRAN:
Tidak ada lampiran

INFORMASI TAMBAHAN:
Tidak ada informasi tambahan

TRACKING ID:
227608

USER:
Yudi Iyendra

PLATFORM:
Web

TANGGAL:
18 February 2013 07:58:37

KATEGORI:
Infrastruktur

AREA:
Gunung Sahari Selatan

STATUS:
Belum

TINDAK LANJUT LAPORAN: **KOMENTAR PUBLIK:**

Administrator
Ditanggapi oleh Pemerintah Provinsi DKI Jakarta
18 February 2013 16:37:25

Pemerintah Provinsi DKI Jakarta
Perubahan diposikan ke Dimas Pekerjaan Umum (Pemerintah Provinsi DKI Jakarta)
18 February 2013 07:58:37



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