Road Infrastructure Planning in Kalimantan, Indonesia

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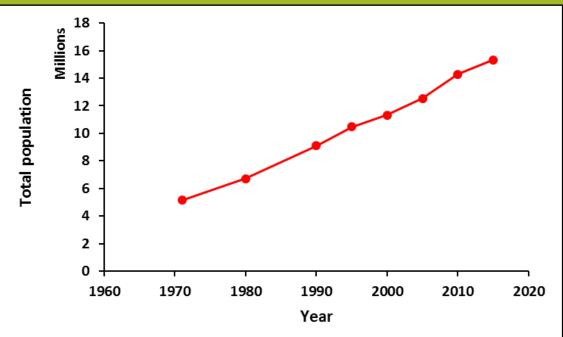






Kalimantan









Main Economic Activities





Oil, gas and mining

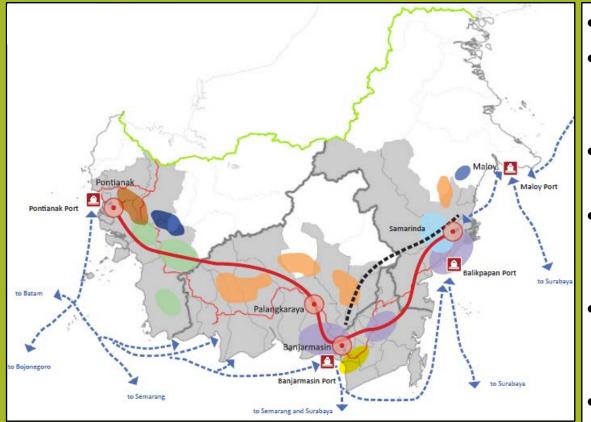
- Contributes ~ 50 %
 of the total GRDP
- ~ 49% of overall coal resources in Indonesia
- Second largest coal deposit after
 Sumatra

Oil Palm Plantation

53% of total plantation area in Kalimantan

Source: Indonesia Master Plan 2011-2025

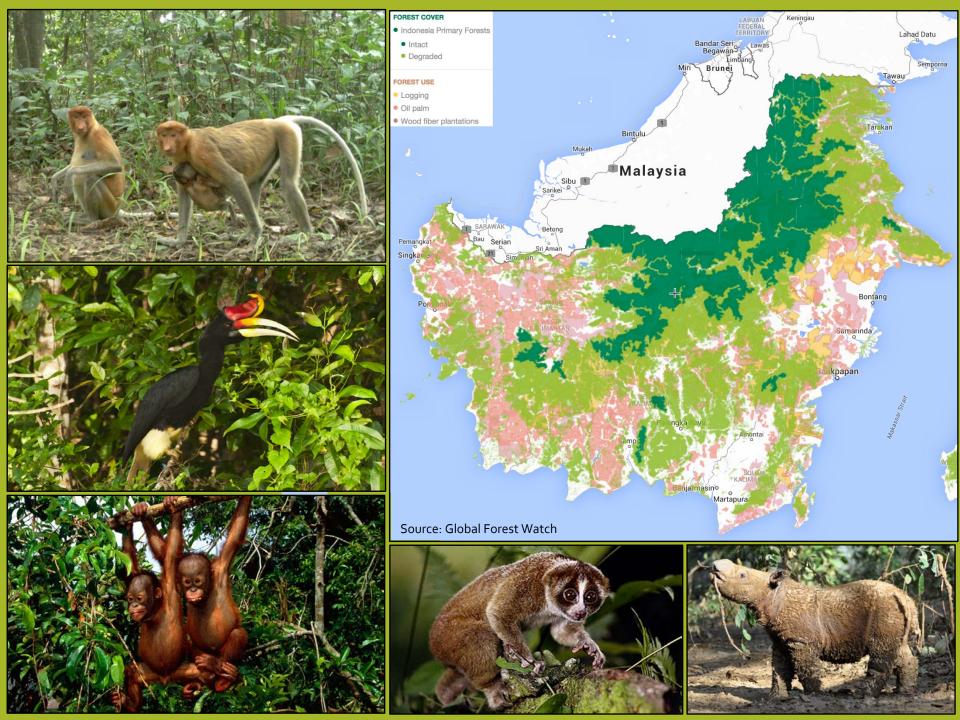
A few examples of planned/ongoing road and railway development projects





- Trans Kalimantan (385 km)
- Road development from Kotawaringin to the mills (116 km), Central Kalimantan
- Pangkalan Bun development (58.5 Km), Central Kalimantan
- Development of Ketapang Road and mills facility (67.6 km), Central Kalimantan
- Simpang Tiga Apas-Simanggaris (78 km), East Kalimantan
- Sosok Tayan (46km), West Kalimantan
- Tanjung Batas Kota Sanggau (39 km), West Kalimantan
- Singkawang Tebas (43 km),
 West Kalimantan

Source: Indonesia Master Plan 2011-2025; ADB 2011



Peat swamp forests

Livelihood activities

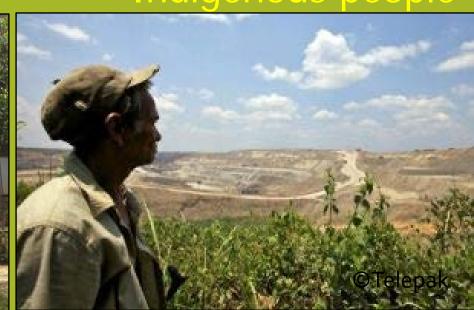




Remote villages

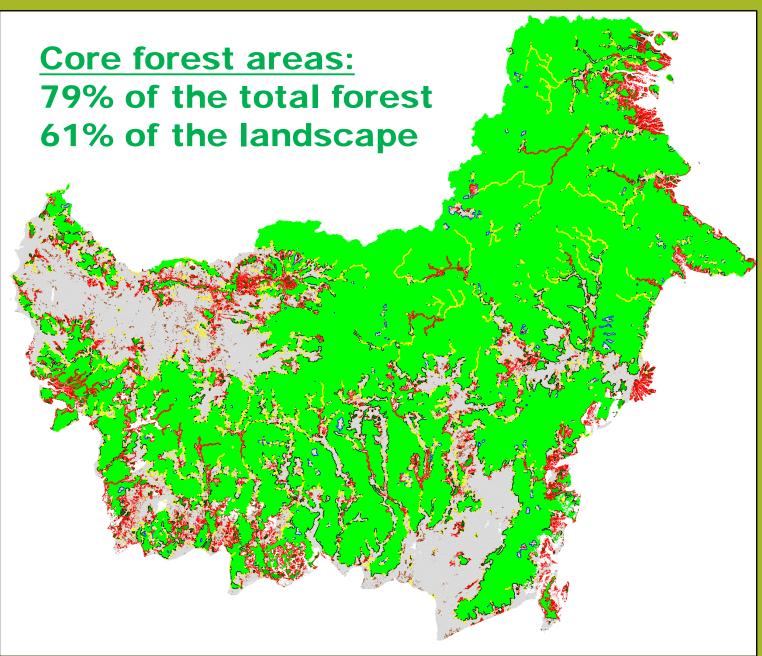
Indigenous people

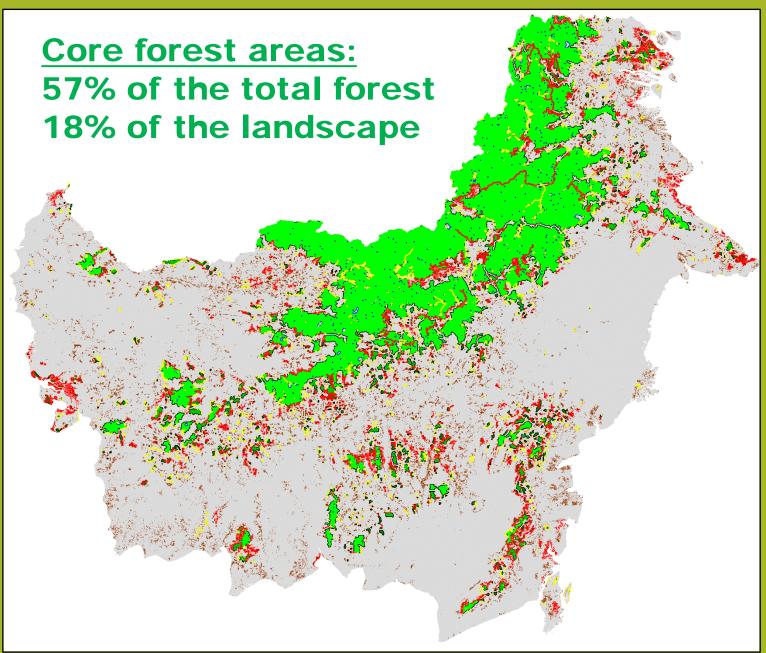




Forest Edge







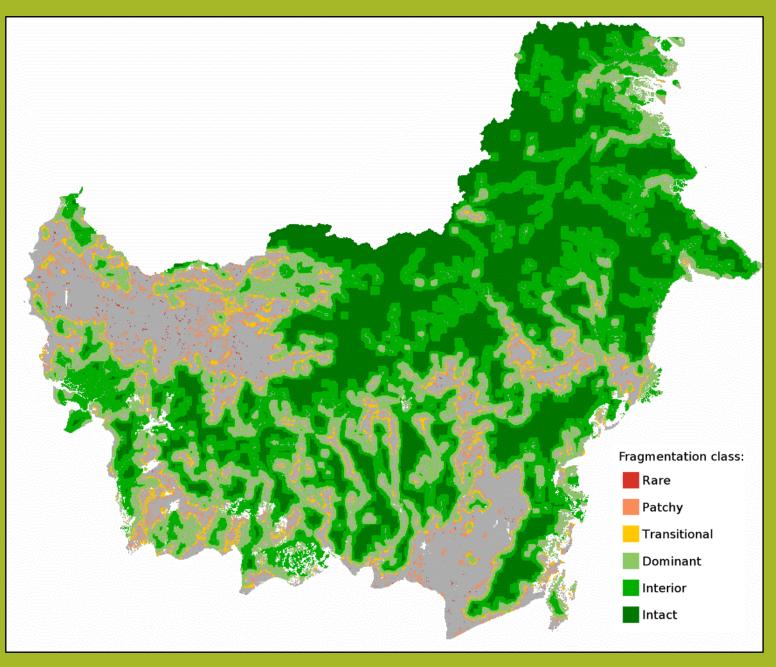
Fragmentation

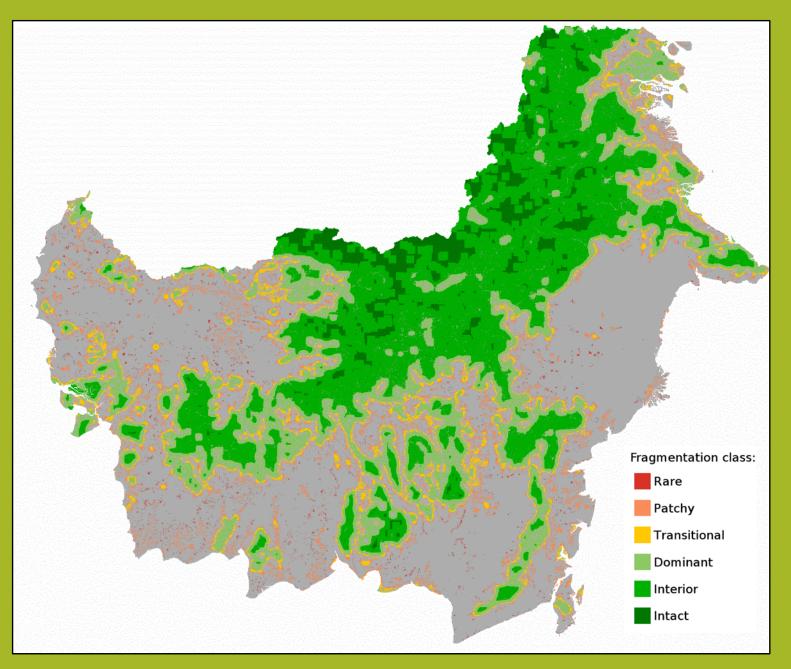




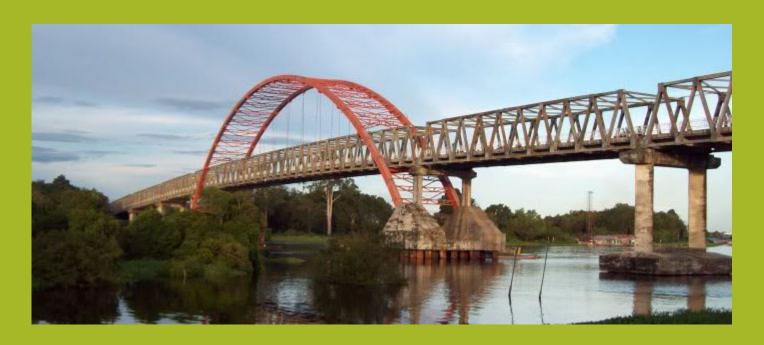
Intact forest patch

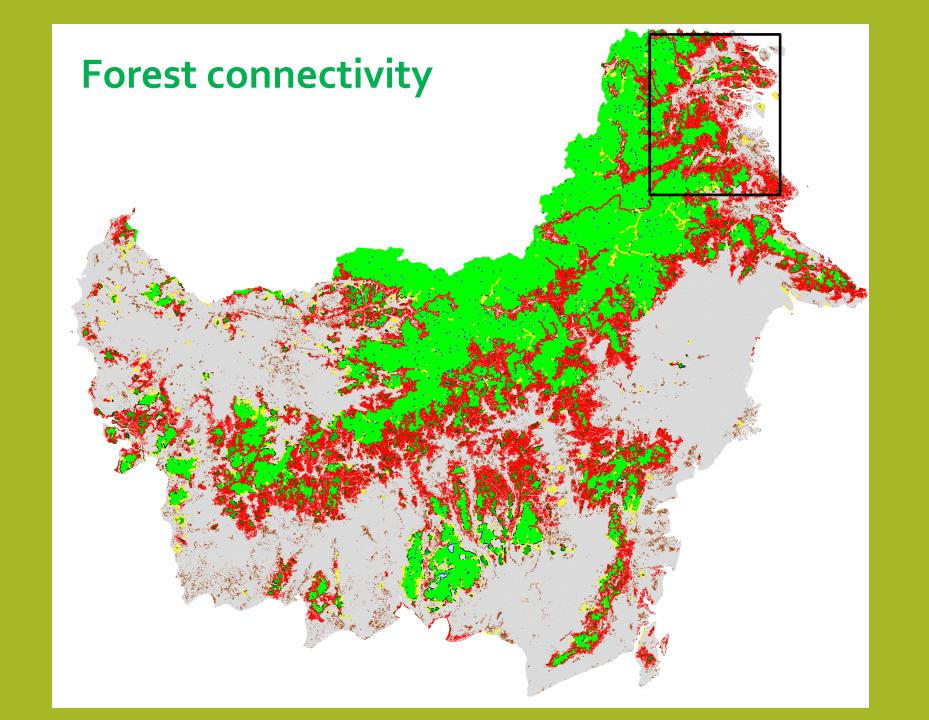
Rare forest patch in a fragmented landscape

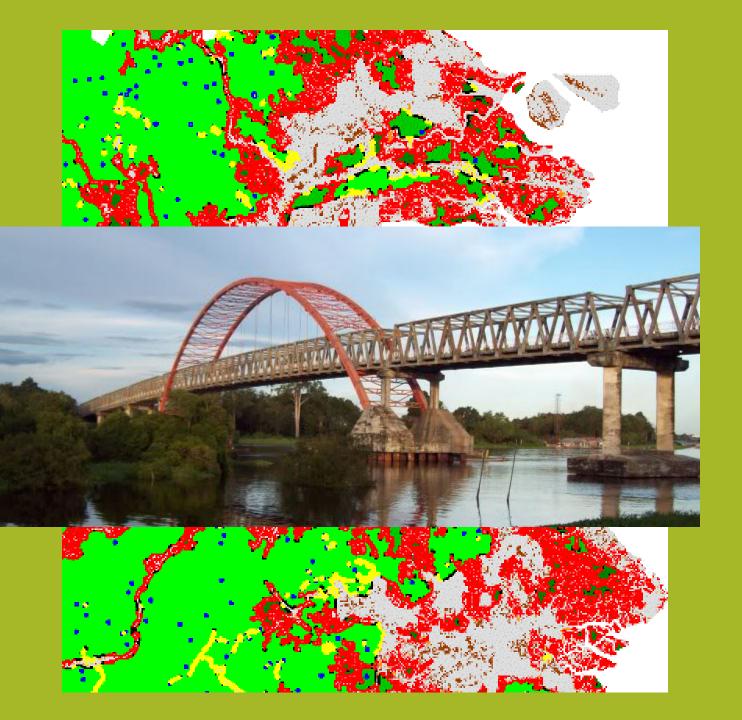




Forest connectivity







Stakeholders engagement Environmental Agency, Balikpapan







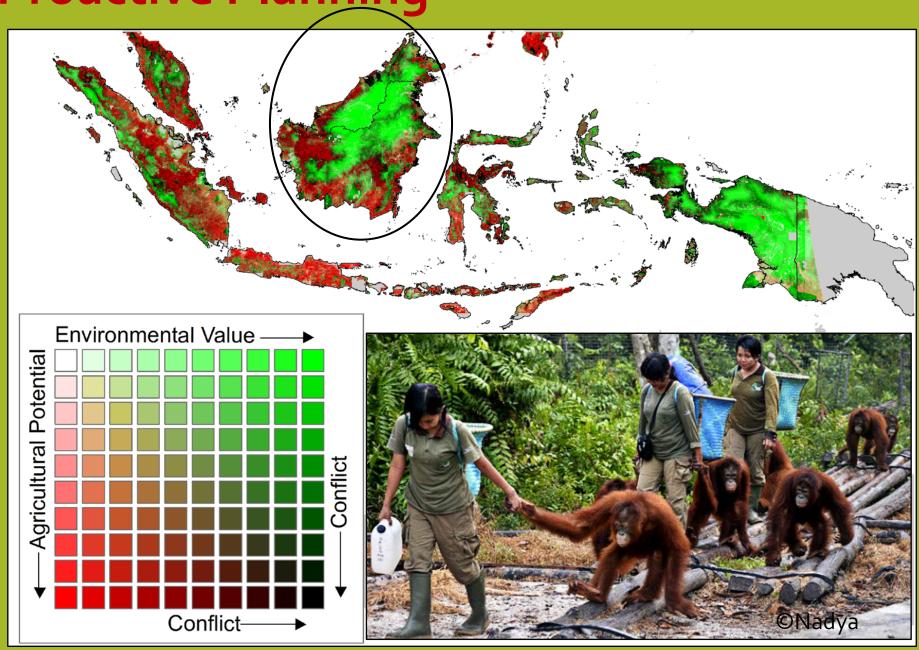








Proactive Planning



Conclusion

- A unique complex landscapepotential for socio-economic development, and very high value of natural ecosystems.
- Optimization of road infrastructure development will maximize the economic growth, social benefits and limit the environmental costs.
- Proactive infrastructure and land use planning is vital.





