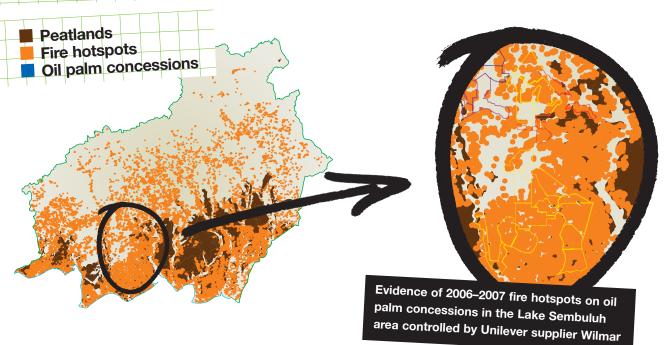
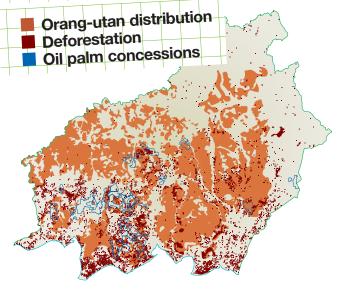
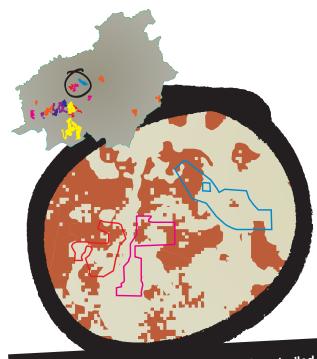
PEATLANDS IN CENTRAL KALIMANTAN: IMPACT OF 2006-2007 FIRE HOTSPOTS IN RELATION TO OIL PALM CONCESSIONS CONTROLLED BY UNILEVER SUPPLIERS





ORANG-UTAN DISTRIBUTION IN CENTRAL KALIMANTAN: IMPACT OF OIL PALM CONCESSIONS CONTROLLED BY UNILEVER SUPPLIERS





Oil palm concessions PT Bawaal Sawit Tunas Belum and PT Alam Sawit Permai controlled by Unilever supplier Wilmar shows significant overlap with orang-utan habitat.

Oil palm concessions PT Unggul Lestari controlled by Unilever supplier Musim Mas, PT Karya Makmur Bahagia controlled by Unilever supplier IOI, and PT Karya Dewi Putra controlled by Unilever supplier Asian Agri shows significant overlap with orang-utan habitat.



TIME FOR ACTION: A MORATORIUM ON OIL PALM EXPANSION INTO INDONESIA'S RAINFORESTS AND PEATLANDS

Protecting the world's remaining forests is crucial to efforts to stabilise the climate, to preserve global biodiversity and to ensure the livelihoods of millions of people who depend on forests.

Forest destruction is responsible for about one fifth of global GHG emissions – Indonesia and the Amazon are by far the two largest sources of GHG emissions from deforestation. Emissions from Indonesia's degraded peatlands represent 4% of global GHG emissions, but the area of degraded peatlands involved is relatively small – about 10 million hectares or less than 0.1% of the Earth's land surface.

If we are to prevent dangerous global climate change, we need a global effort to halt forest destruction as well as bringing about a drastic reduction in our use of coal, oil and gas by using energy more efficiently and utilising cleaner sources of energy.

In order to help protect the climate, Greenpeace is calling for an end to deforestation in Indonesia – the largest source of GHG emissions from deforestation.

A halt to further rainforest destruction in Indonesia is also critical to ensuring the future for critically endangered species such as the orang-utan.

WHAT DOES THE INDONESIAN GOVERNMENT NEED TO DO?

STOP THE PROBLEM: ZERO DEFORESTATION

Establish a moratorium on forest clearance and peatland degradation and ensure enforcement of the moratorium.

START THE SOLUTION: CLIMATE PROTECTION

Prioritise protection of remaining peat swamp forests and other forest areas with high carbon storage capacity, biodiversity values and benefits for indigenous peoples and other local communities.

START THE SOLUTION: CUT ONGOING EMISSIONS

Rehabilitate degraded peatland areas with natural and native flora.

WHAT DO UNILEVER AND THE PALM OIL SECTOR NEED TO DO?

STOP THE PROBLEM: SUPPORT ZERO DEFORESTATION

Support a moratorium on forest clearance and peatland degradation.

START THE SOLUTION: CLEAN UP THE TRADE

Do not trade with those engaged in deforestation and peatland degradation.

Inform suppliers that purchasers will no longer buy from companies engaged in forest conversion and peatland degradation.

'A moratorium will be a strong signal. [It] can be a first step in countering peatland degradation [,] to buy time to maximise the new opportunity of carbon finance. A moratorium needs to be part of a longer-term strategy of land-use planning.'

Yogyakarta statement, endorsed by the Indonesian Minister of the Environment, August 2007



'The simplest and most effective measure to prevent a further increase in fires and CO₂ emissions is by conservation of remaining peat swamp forests and rehabilitation of degraded peat swamp forests.'

Wetlands International, 2006

PICTURE CAPTIONS

Cover

16 October 2006: Fire on Central Kalimantan oil palm plantation ©www.films4.org

4 October 2007: Haze from plantation fires clouds the Kapuas River in Central Kalimantan @Greenpeace/Behring

13 November 2006: Orang-utan found on oil palm concession PT Mustika Sembuluh in Central Kalimantan now controlled by Unilever supplier Wilmar – rough treatment by plantation workers has left it with a broken arm @Greenpeace

6 August 2007: Digger at work on oil palm concession PT Sarana Titian Permata in Central Kalimantan now controlled by Unilever supplier Wilmar – the sign on tree reads 'Do not hunt the wildlife' @www.films4.org

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6 August 2007: Deforestation on oil palm concession PT Sarana Titian Permata in Central Kalimantan now controlled by Unilever supplier Wilmar ©www.films4.org

Unilever products @Greenpeace/Novis

pp6-7

25 August 2006: Two photos of burning peatland oil palm concession areas in Riau – use of fire for land clearance is illegal but common in the industry, and every year cause a thick smog-like haze over the entire region, threatening the health of millions of people and contributing to the problem of climate change @Greenpeace/Dithaiohn

13 November 2006: Orang-utan baby trapped by workers on an oil palm plantation in Central Kalimantan – the baby's mother was found dead ©BOS Foundation

1 October 1997: Sumatran rainforest on fire due to climate change effects from El Niño @Lily/Greenpeace

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26 September 2006: Orang-utan marooned on deforested oil palm concession in Central Kalimantan ©BOS International

p11

13 April 2008: Crane draining peatland in the vicinity of oil palm concession PT Tapian Nadenggan controlled by Unilever supplier Sinar Mas @Greenpeace

p12

Google image of the Cargill refinery in Rotterdam $@Google\ Earth$

p13

February 2008: Oil palm concession PT Setya Kisma Usaha in Central Kalimantan controlled by Unilever supplier Sinar Mas shows clear evidence of burning – the concession has peatland areas and is located on orang-utan habitat @Greenpeace

13 April 2008: Road building in the vicinity of oil palm concession PT Tapian Nadenggan in Central Kalimantan controlled by Unilever supplier Sinar Mas ©Greenpeace

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12 April 2008: Crane clearing forest area on oil palm concession PT Bhumitama Gunajaya Agro in Central Kalimantan controlled by Unilever supplier IOI ©*Greenpeace*

p15

6 August 2007: Female agile gibbon with broken nose captured by plantation workers on oil palm concession PT Kerry Sawit Indonesia in Central Kalimantan controlled by Unilever supplier Wilmar – the species is listed as endangered by the IUCN @www.films4.org

p16

Google image of the Unimills refinery in Rotterdam @Google Earth

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27 December 2007: Orang-utan baby caught by plantation workers on oil palm concession PT Globalindo Alam Perkasa in Central Kalimantan controlled by Unilever supplier Musim Mas – the baby died soon after this image was taken ©Greenpeace

Google image of oil palm concession PT Globalindo Alam Perkasa in Central Kalimantan controlled by Unilever supplier Musim Mas – remaining forested orang-utan habitat on peatland area is clearly visible ©Google Earth

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Google image of the Lake Sembuluh region of Central Kalimantan overlaid with concession areas controlled by Unilever's palm oil suppliers ©Google Faith

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5 October 2006: Fire hotspots in Central Kalimantan as documented by MODIS satellite imagery ©*Jeff Schmaltz, Earth Observatory/MODIS Rapid Response team*

p25

February 2008: PT Bhumitama Gunajaya Agro oil palm concession in Central Kalimantan controlled by Unilever supplier IOI shows clear evidence of drainage – the concession has peatland areas and is located on orang-utan habitat © Greenpeace

15 April 2008: Baby orang-utan captured in the Pangkalan Bun area near palm oil concessions controlled by Unilever suppliers IOI and Sinar Mas @Greenpeace

13 April 2008: Isolated orang-utan nest in Central Kalimantan in the vicinity of oil palm concession PT Tapian Nadenggan controlled by Unilever supplier Sinar Mas @Greenpeace

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14 April 2008: Sunset over threatened orang-utan habitat inside a concession controlled by Unilever supplier Sinar Mas @Greenpeace

Back cove

15 April 2008: Baby orang-utan captured in the Pangkalan Bun area near palm oil concessions controlled by Unilever suppliers IOI and Sinar Mas @Greenpeace

ENDNOTES

- 1 Unilever uses 1.3Mt of palm oil or palm oil derivative every year. Of this, about 800,000 tonnes is for food use and the remainder is for industrial use, of which approximately 300,000 tonnes comes from palm kernel oil (Personal communication, 10 April 2008). This represents about 3% of global palm and palm kernel oil production in 2007 (42.4Mt). Source: Oilworld ISTA Mielke (2008) "Oilworld statistics update' 14 March 2008' together with an estimate of palm kernel oil based on FAO 2006 figures.
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