### GRAIN | March 2024

### Oil palm in Latin America: monoculture and violence



Oil palm plantations in Latin America have quadrupled. Demand is driven by the relatively low price of palm oil and its multiple uses. This crop is creating constant conflicts on peasant, indigenous and Afrodescendant lands

### The global oil palm craze

Oil palm plantations are rapidly gaining ground in Latin America, driving communities from their lands and causing deforestation, violence, and poverty.

Global production of palm oil has increased by almost 600% from 14.72 million tonnes in 1994 to 80.58 million tonnes in 2021. The cultivation area has also expanded drastically from 7.86 million hectares in 1994 to 28.91 million hectares in 2021.<sup>1</sup> The multiple uses of palm oil, together with its relatively low price, are factors that have driven constant demand, despite the problems and conflicts in peasant, Indigenous and Afro-descendant territories.

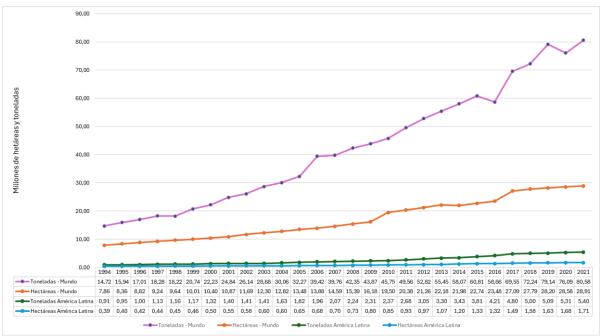


Figure 1: Global oil palm production and cultivation area (in millions of tonnes and hectares) in Latin America and worldwide (1994 – 2021)

Source: FAO, 2024<sup>2</sup>. Production: GRAIN

Consumption of palm oil has increased over the last 30 years from 2% to 41% of total oil production worldwide, replacing soybean oil as the most consumed vegetable oil in the world.<sup>3</sup> This demand is due, in particular, to large food corporations seeking cheaper raw materials to manufacture ultra-processed products and agrofuels. In other words, demand for this oil is linked to profits, rather than providing people with healthy nutrition.

The industry continues to seek land to expand cultivation. This expansion is only possible in certain tropical areas with abundant rainfall. With 84% of palm oil production concentrated in Malaysia and Indonesia, and with a shortage of land to expand cultivation, the industry has been seeking new horizons.<sup>4</sup> Latin America and West Africa have become the new areas for expansion.

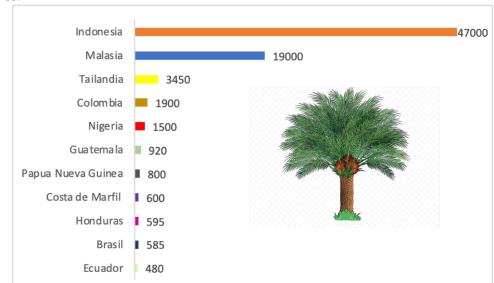


Figure 2: Top producing countries of palm oil as of December 2023 in metric tonnes.

#### Source: USDA, 2024<sup>5</sup>. Production: GRAIN

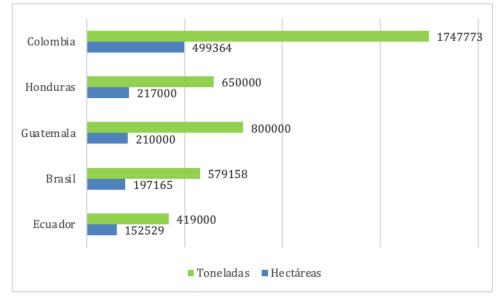
Almost without exception, palm plantations lead to extreme poverty and an increase in violence.<sup>6</sup> In many cases, companies promote the expansion of plantations on land that encroaches on areas where communities have built their livelihoods on farming and other subsistence activities. Some of the impacts of these plantations include mass deforestation, illegal land grabbing, pollution, destruction of water sources and loss of land for subsistence farming. Moreover, women bear a disproportionate share of its consequences, and are now the main victims of this monoculture production model.<sup>7</sup>

Despite this, governments and corporations promote these plantations based on a series of false promises, such as job creation in rural areas, an increase in income for peasant communities, better infrastructure such as schools and health centres, among others. In most cases, these promises never come to fruition.<sup>8</sup>

### Expansion of palm oil in Latin America

In this region, the area covered by palm plantations has continued to grow, particularly since 2000. Currently the top palm-producing countries in the region are Colombia, Honduras, Guatemala, Brazil, and Ecuador.<sup>9</sup>

## Figure 3: Tonnes and hectares of palm oil production in Latin America's top producing countries in 2021



Source: FAO, 2024<sup>10</sup>. Production: GRAIN

Moreover, palm oil exports from Latin America primarily go to the European Union, the United States and Mexico, to be used by large transnational corporations in the production of ultra-processed foods.

# Table 1. Export destinations of the top oil palm producing countries in LatinAmerica in 2022

	European Union	United States	Latin America	Others
Colombia	41.70%	4.90%	48.80%	4.60%
Guatemala	67.10%	0%	31.90%	0.01
Honduras	53.80%	19.30%	26.80%	0.001
Brazil	53.60%	9.30%	30.30%	6.80%
Ecuador	13.80%	17.10%	66.80%	2.30%

\* Most of the exports to Latin America are sent to Mexico for the production of ultra-processed foods, which has expanded in recent decades with the signing of NAFTA. Source: Trade Map, 2024<sup>11</sup>. Production: GRAIN

Colombia is the leading oil palm producer in Latin America. It has close to 500,000 hectares. These plantations and their expansion are located in areas where armed groups are present in the country.<sup>12</sup>

Oil palm monocultures in Colombia tend to be dominated by large landowners. In many cases, they have expanded their plantations by displacing thousands of peasants from their lands, using violence and intimidation. In the Tumaco region, for example, it has been documented that landowners have seized peasant land through intimidation, legal trickery, and the corruption of local authorities.<sup>13</sup> A large number of palm-growing companies were established in conflict areas during the years of armed violence in the country. Oil palm cultivation has been linked to paramilitary groups and identified as causing acts of violence against peasants in the regions in which they operate.<sup>14</sup>

Many of the impacts caused by palm oil companies affect Indigenous territories. For example, the Sikuani people, who suffered various forms of violence due to the internal armed conflict, were ultimately displaced from their land by a palm oil company. This forced the Sikuanis to change their way of life. The loss of land to grow their own food led to displacement of members of the Sikuani people to surrounding urban areas, where they suffer from hunger and overcrowding. <sup>15</sup>

The most recent land grab in Colombia also involved palm oil companies, such as the Italian-Spanish company, Polygrow, which recently seized thousands of hectares to expand its oil palm plantations.<sup>16</sup> Land grabbing by palm agribusiness often occurs with the backing of favourable public policies, little state oversight and through violence and threats to peasants and Indigenous peoples.

In Ecuador, oil palm cultivation accounts for 4% of the agricultural Gross Domestic Product. Palm plantations have grown at an average annual rate of 8%, making it the country's seventh largest agricultural export.<sup>17</sup>

Today there are almost 152,000 hectares of oil palm.<sup>18</sup> Large palm oil producers are primarily located in the provinces of Esmeraldas, Sucumbios and Los Rios.<sup>19</sup>

While several Indigenous and Afro-descendant communities, particularly in the province of Esmeraldas, received collective land deeds, legal loopholes have allowed individual deeds to the same land to be sold to palm oil companies, such as Energy & Palma.<sup>20</sup> This has led to at least two land disputes between Afro-Ecuadorian communities and the Energy & Palma company in recent years.<sup>21</sup>

In 2015, thousands of hectares of palm were affected by the outbreak of "bud rot" disease. Small-scale palm growers, who represent the majority of palm plantation owners in Ecuador, were the ones who fell into debt and lost everything. These

smallholder farmers had acquired loans, put up their land as collateral and were then unable to sell their produce. Although large companies also lost some of their produce, they did not lose their land and had other economic resources to rely on.<sup>22</sup> They also took advantage of the crisis to buy land at below-market prices and further consolidate their control.

In Bolivia, palm plantations are being fiercely promoted by the government as a way of substituting fuel imports. As regards diesel, a 2022 decree created the "programme to promote the cultivation of oil-producing species".<sup>23</sup> Its principal aim is to develop oil palm, jatropha and macororó crops for the production of biodiesel.<sup>24</sup>

The Bolivian government intends to expand the plantation area by over 60,000 hectares in the coming years.<sup>25</sup> The national coordination for the defence of Indigenous peasant territories and protected areas of Bolivia (*Coordinadora Nacional de Defensa de Territorios Indígenas Originarios Campesinos y Áreas Protegidas de Bolivia*) was one of the first organisations to denounce the expansion and impacts of palm monocultures.<sup>26</sup>

In Central America, Guatemala is one of the main producers of palm oil with 210,000 hectares of palm plantations. Numerous conflicts have been reported in the country as a result of this monoculture, mainly due to the displacement of Indigenous and peasant communities from their lands as a result of expansion of these plantations.<sup>27</sup>

In Honduras, almost 210,000 hectares of palm are registered. Palm expansion is taking place on Indigenous and Afro-descendant territories, particularly in Garifuna and Bajo Aguan communities. These communities are subject to violence, harassment, and threats by the military and paramilitary groups with ties to politicians in the country.<sup>28</sup> Oil palm plantations in Honduras benefit from a series of fiscal incentives and pro-expansion policies promoted by powerful groups.<sup>29</sup>

In Nicaragua, there are 35,000 hectares of oil palm. However, the figure is believed to be higher due to unauthorised expansion, with no oversight by local authorities. Many of the existing oil palm companies in Nicaragua have managed to expand plantations illegally, by leasing land to small farmers or through contract farming. They also displace communities and settle on state conservation land without incurring penalties.

Brazil has seen rapid expansion in recent years. Today, there are some 200,000 hectares of palm plantations in the state of Pará, with production currently earmarked for the domestic market. There are expansion plans in other states, for example 120,000 hectares in the municipality of São João de Baliza in the state of Roraima, for the Brazil Biofuel (BBF) project. It is used as an agrofuel in the country.<sup>30</sup>

BBF is the top company in Brazil dedicated to oil palm production. It has been accused of environmental crimes and violence against communities, such as the community of Virgílio Serrão Sacramento, linked to the Small Farmers Movement (*Movimiento de Pequeños Agricultores - MPA*).<sup>31</sup> For the most part, the company supplies palm oil to multinational food companies.

### Companies, transnationals, and banks promoting the expansion of oil palm

In Latin America, companies growing oil palm are generally large family groups that control political and economic aspects of the countries where their plantations are located (see Table 2).

Country	Company		
Colombia	Cargill, Louis Dreyfus Company, Fedepalma, Palmas y		
	Extractora Monterrey S.A.S, Bunge Limited		
Honduras	Industrias Chiquibán, Continental de Grasas, Grupo Jaremar		
Ecuador	Energy & Palma, Palmeras del Ecuador, PALESEMA,		
	Palmeras de los Andes		
Brazil	BBF, Agropalma, Amaggi		
Guatemala	Grupo Natura, Reforestadora de Palma del Petén, Palmas del		
	Ixcán		
Peru	Palmas del Espino, Ocho Sur, Plantaciones de Pucallpa		
El Salvador	Grupo Sol, Inversiones La Palma, Palmas del Salvador		

 Table 2: Top oil palm producing companies in Latin America

Production: GRAIN, based on local sources of information available to the public.

A number of these companies have been involved in acts of violence and criminalisation in their countries, such as Energy & Palma in Ecuador, which has prosecuted and intimidated the Afro-Ecuadorian community of Barranquilla de San Javier.<sup>32</sup>

Some of the oil palm expansions in Latin America are financed by the Inter-American Development Bank, which grants a series of loans to expand plantations in countries such as Ecuador, Colombia, and Honduras.<sup>33</sup> Transnational banks such as HSBC and Rabobank offer credit for expansion.<sup>34</sup> Companies that use palm oil also market consumer goods for the palm oil sector and it is estimated that the financial market will invest over one hundred billion dollars in Latin America in the coming years.<sup>35</sup>

The expansion of palm growing and oil processing companies in Latin America is due to the pressure exerted by large transnational food companies, such as Nestlé, Unilever, Mondelez International, PepsiCo, Coca-Cola, Kellogg's, Bimbo, Nutresa Group and Cargill. In cosmetics, companies such as L'Oréal, Colgate-Palmolive, Unilever, and Procter & Gamble also contribute to this expansion. Similarly, in the agrofuels sector, companies such as Cargill, BP, Shell, ExxonMobil, AAK, Wilmar, and ADM play a prominent role. Furthermore, large supermarket chains, like Walmart, Carrefour, Cencosud and Grupo Éxito, are also involved in this expansion process.

### **Conflicts over land**

Currently, the expansion of plantations is particularly affecting Mexico, Peru, Nicaragua, and Brazil. The strategy follows the pattern already in place in other Latin American countries: violence and intimidation towards Indigenous, Afro-descendant and peasant communities, land grabbing, deforestation and, in some cases, contract farming.

In Mexico, in the Chiapas region, companies that have large-scale oil palm plantations are causing major deforestation, and intimidating peasant and Indigenous communities in the region. The women of these communities are now organising to speak out about the effects.<sup>36</sup>

In Peru, it has been reported that palm oil companies are expanding into the Amazon, displacing Indigenous peoples by means of threats, violence, and intimidation, as in the case of the Santa Clara de Uchunya Indigenous community. The shipibo people in Santa Clara have lost a large part of their ancestral land as a result of constant threats and attempts on the lives of their leaders.<sup>37</sup>

In Nicaragua, the PALCASA company expanded its plantations without any checks, or permits granted, by the competent authorities.<sup>38</sup> This expansion took place by displacing peasants from their land, as part of a land grabbing strategy that the company has been implementing in the region.

### Other impacts of the oil palm production model

The oil palm production model in Latin America is based on intensive monoculture on large areas of land with significant levels of pesticide use. This model has had severe effects on the environment and peasant farming.

The multiple impacts created throughout this process begin with deforestation (which in some cases involves forest fires to clear the land) and grabbing of peasant and Indigenous lands, through evicting communities by means of violence and intimidation. On many occasions, this is carried out by armed groups. Furthermore, they are destroying the diverse peasant crops, converting the land into large-scale monocultures plagued by agrotoxins and setting up oil-extracting industries. Soil and water pollution due to the use of large quantities of agrochemicals in plantations affects not only the environment but also the local people who depend on these water sources for their survival.<sup>39</sup> There is also a possible link with the increasing wave of fires leading to deforestation, with subsequent use of this land to cultivate palm plantations.

Some communities give in to the companies' demands, whereas other resist.<sup>40</sup> The expansion of agro-industrial crops also reduces the living space of local populations, leading to a decrease in hunting and gathering of natural fruits, forcing Indigenous people to buy food of little nutritional value.<sup>41</sup>

It is estimated that in Latin America, palm plantations are replacing 21% of forests and 79% of pasture and staple food growing areas in the region, displacing food production in many countries.<sup>42</sup>

Rapid expansion of this monoculture is resulting in arable soil becoming infertile, largescale deforestation, loss of agrobiodiversity, increased greenhouse gas emissions and contamination of water sources. It also threatens the territories and food sovereignty of thousands of peasants and Indigenous families.

Another of the consequences of this farming model relates to the labour conditions for workers on plantations and in oil processing plants. In many cases, they work long hours in hazardous environments, handling chemical products that put their health and lives at risk.

Men are hired particularly for harvesting, fumigation, and plantation maintenance, whereas women are involved in planting, pollination, and phytosanitary control. In general, neither male nor female workers have suitable work equipment, clothing, or protective gear, which leaves them vulnerable to occupational illnesses and accidents.<sup>43</sup>

Jobs provided by palm oil companies are highly exploitative. On plantations on the Ecuadorian coast, for example, pay is US\$6 per day for core jobs, and US\$12 for supervisory positions.<sup>44</sup> Palm growers use contracting companies to employ and pay for labour, thereby avoiding direct responsibility. There are also cases of forced labour and human trafficking on palm plantations.<sup>45</sup>

With regard to health, the palm plantation workers are greatly affected by the use of pesticides, with very low levels of protection. In Ecuador, for example: "58% of workers show varying degrees of symptoms from exposure to pesticides. Additionally, communities living in proximity to palm plantations suffer higher rates of cancer, headaches, skin diseases, respiratory problems, childhood development disorders (lower than age-appropriate cognitive development), miscarriages and malformations, due to air- and water-borne pesticides."<sup>46</sup>

### Roundtable on Sustainable Palm Oil (RSPO) and corporate greenwashing

Most transnational food and agrofuel companies claim that products come from plantations certified by the Roundtable on Sustainable Palm Oil (RSPO). The RSPO is a global, not-for-profit organisation founded in 2004 with the objective of "promoting the growth and use of sustainable oil palm products through credible global standards and engagement of stakeholders". Its establishment was driven by the World Wide Fund for Nature (WWF), following widespread complaints and public concern about the environmental impact of the palm oil industry.

Since the creation of the RSPO, the latter has not complied with the objectives for which is was created, but rather has served as a greenwashing tool for transnational companies that use this certification as a way to justify sourcing palm oil from plantations embroiled in environmental and social conflicts.<sup>47</sup> Many Latin American plantations shield themselves by using this certification to export oil to the European Union, thereby misleading millions of consumers.

In Colombia, for example, in many cases palm oil is exported with RSPO certification which claims that the palm oil is not from areas that have been deforested. The country's palm growers' union insists that oil palm does not cause deforestation. However, according to the Colombian Ministry of the Environment, between 2011 and 2017, palm cultivation led to the deforestation of 17,000 hectares, equivalent to 1.5% of all deforestation in the country.<sup>48</sup> Despite this reality, many palm growing companies in Colombia have signed "zero deforestation" agreements, to attempt to conceal the effects of their plantations.

In Guatemala, several communities have reported illegal grabbing of their land.<sup>49</sup> Nevertheless, the country's palm growing companies boast the highest number of RSPO-certified hectares.

Palm monocultures have become a major driver of deforestation, especially of primary Amazonian forests, undermining the livelihoods of the people who depend on them. For example, over 90,000 hectares have been planted in Peru, which has registered the highest rate of deforestation for palm oil production in the region.<sup>50</sup>

In Brazil, over recent years, BBF has been held responsible for the deforestation of 667 hectares, despite commitments made by the company and its authorities to expand oil palm cultivation only in areas deforested prior to 2008.<sup>51</sup>

Since oil palm plantations began to be cultivated in Latin America, companies associated with this agribusiness have gained a track record in murder, labour crimes, and rights violations.<sup>52</sup> Yet despite this, companies claim to produce "sustainable" energy and palm oil. For example, Agropalma, owned by the Alfa Group, one of the largest business groups in Brazil, has been denounced for illegally occupying land, yet despite multiple complaints it is certified by the RSPO. Recently, it announced that it wanted to expand its plantations and resume biodiesel production.<sup>53</sup>

### Despite the expansion of plantations, local people are resisting

Oil palm expansion promoted partly by governments and transnational companies in Latin America has been based on false promises to improve conditions in the communities and territories where they are established. However, the reality is that these plantations are provoking displacement, threats and the violation of Indigenous peoples' and peasants' rights.

Despite this, the affected communities are constantly resisting, through protests, public demonstrations, legal actions, and international support to prevent the expansion of oil palm from continuing to affect them and endanger their lives and lands. The entire process also involves political, territorial, and economic aspects. Their fight is now spreading through the different countries where oil palm plantations are found.

As with Asia and Africa, oil palm plantations in Latin America are not sustainable nor do they improve local people's conditions. Therefore, agribusiness and corporations can no longer hide behind RSPO certification and allow expansion to continue.

The support that we can offer to Indigenous, Afro-descendant and peasant communities affected by oil palm monocultures is key to defending food sovereignty. Palm oil is not compatible with the development of food sovereignty promoted by the peasant and Indigenous movement. It is a monoculture that invades their lands, does not promote food diversity, and is based on the Green Revolution model promoted by governments and transnationals for so-called "rural development" whilst it simultaneously engulfs everything it touches in violence.

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<sup>&</sup>lt;sup>1</sup> FAOSTAT, Palm oil production in the world, 2024. <u>https://www.fao.org/faostat</u>

<sup>&</sup>lt;sup>2</sup> FAOSTAT, Palm oil production in the world, 2024. <u>https://www.fao.org/faostat</u>

<sup>&</sup>lt;sup>3</sup> Timothy J. Kileen, "What does oil palm require to reach international markets?", *Mongabay*, 13 November 2023. <u>https://news.mongabay.com/2023/11/what-does-oil-palm-require-to-reach-international-markets//</u>

<sup>&</sup>lt;sup>4</sup> Estatista, *Palm oil statistics*, 2024 <u>https://es.statista.com/grafico/23123/cantidad-de-aceite-de-palma-producido-por-pais/</u>

<sup>&</sup>lt;sup>5</sup> USDA, *Palm Oil Production* 2023-2024, Production commodities, 2024 <u>https://fas.usda.gov/data/production/commodity/4243000</u>

<sup>6</sup>Friends of the Earth, "RSPO: 14 years of failure to eliminate violence and destruction from the industrial palm oil sector", 12 November 2018 <u>https://www.foei.org/rspo-14-years-of-failure-to-eliminate-violence-and-destruction-from-the-industrial-palm-oil-sector</u>

<sup>7</sup> WRM Bulletin 236, "Indonesia: oil palm plantations and their trace of violence against women", 7 March 2018 <u>https://www.wrm.org.uy/bulletin-articles/indonesia-oil-palm-plantations-and-their-trace-of-violence-against-women</u>

<sup>8</sup> WRM, "Oil palm in Africa. Voices from the communities". WRM videos, 2013 <u>https://www.youtube.com/watch?v=sKVNEucB\_iQ</u>

<sup>9</sup> USDA, Palm Oil Production 2023-2024, Production commodities, 2024 <u>https://fas.usda.gov/data/production/commodity/4243000</u>

<sup>10</sup> FAOSTAT, Palm oil production in the world, 2024. <u>https://www.fao.org/faostat</u>

<sup>11</sup> Trade Map, "Oil palm statistics", 2024. <u>https://www.trademap.org/Index.aspx</u>

<sup>12</sup> Bram Ebus, "Palm oil mounts 'new offensive' in Colombia while workers decry labor conditions,

Mongabay 27 October 2017 <u>https://news.mongabay.com/2017/10/palm-oil-mounts-new-offensive-in-</u> colombia-while-workers-decry-labor-conditions/

<sup>13</sup> Natalia Arenas, "Restitución de tierras de palma de aceite", *Mongabay*, 3 December 2018 https://es.mongabay.com/2018/12/restitucion-de-tierras-palma-de-aceite-colombia/

<sup>14</sup> Flor Osorio, "Weaves between Paramilitary Groups and Oil Palm Cultivation in Colombia", *Memoria y Sociedad*, vol. 19. no. 39, 2015 <u>https://dialnet.unirioja.es/servlet/articulo?codigo=5428164</u>

<sup>15</sup> Mongabay Latam y Rutas del Conflicto, "La palma que reemplazó el territorio ancestral Sikuani en el Vichada", *Mongabay*, 2021 <u>https://rutasdelconflicto.com/notas/la-palma-reemplazo-el-territorio-ancestral-sikuani-el-vichada</u>

<sup>16</sup> Wilson Arias, Así se roban la tierra en Colombia, 2020 https://kavilando.org/lineas-

kavilando/territorio-y-despojo/7906-asi-se-roban-la-tierra-en-colombia-libro

<sup>17</sup> Ministerio de la Producción del Ecuador, Informe sobre la Palma, 2019

https://www.produccion.gob.ec/wp-content/uploads/2019/06/informe-palma-espa%C3%B1ol-.pdf <sup>18</sup> FAOSTAT, Palm oil production in the world, 2024. <u>https://www.fao.org/faostat</u>

<sup>19</sup> INEC-ESPAC, *Estadísticas agropecuarias*, 2022

https://www.ecuadorencifras.gob.ec/documentos/web-inec/Estadisticas\_agropecuarias/espac/espac-2020/Presentacion%20ESPAC%202020.pdf

<sup>20</sup> Alianza Periodística tras las Huellas de la Palma, "Polluting with impunity: Palm oil companies flout regulations in Ecuador", *Mongabay*, 2022. <u>https://news.mongabay.com/2022/02/polluting-with-impunity-palm-oil-companies-flout-regulations-in-ecuador/</u>

<sup>21</sup> Susana Morán, "David y Goliat: la disputa entre una pequeña comunidad afro y Energy & Palma", Plan V, 18 September 2017 <u>https://www.planv.com.ec/historias/sociedad/david-y-goliat-la-disputa-entre-una-pequena-comunidad-afro-y-energy-palma</u>

<sup>22</sup> "Comunidades en resistencia contra la impunidad y los impactos de las palmicultoras en Ecuador: Casos en Esmeraldas", WRM Bulletin 129, 28 April 2008 <u>https://www.wrm.org.uy/bulletin-</u> articles/ecuador-social-and-environmental-impacts-of-oil-palm

<sup>23</sup> Official gazette of the Plurinational State of Bolivia, "Decreto Supremo Nº 4764", 20 July 2022, http://gacetaoficialdebolivia.gob.bo/normas/buscar/4764

<sup>24</sup> Oil palm is planned in the Amazon, while jatropha and macororó will be planted in Santa Cruz, Chuquisaca and Tarija (the Bolivian Chaco region).

<sup>25</sup> Yuri Flores, "Bolivia prevé producir este año 10 millones de plantas aceiteras para elaborar biodiésel", La Razón, 25 January 2023, <u>https://www.la-razon.com/lr-article/bolivia-preve-producir-este-ano-10-millones-de-plantas-aceiteras-para-elaborar-biodiesel/</u>

<sup>26</sup> CONTIOCAP, Resolution from the 4th meeting of the national coordination for the defence of peasant and Indigenous territories and protected areas, 1-3 September 2023,

https://www.facebook.com/photo?fbid=1413450769148934&set=pcb.1413452449148766

<sup>27</sup> Sandra Cuffe, "La expansión de la palma aceitera alimenta conflictos agrarios en Guatemala", *Prensa Comunitaria*, 2021 <u>https://prensacomunitaria.org/2021/11/el-estor-la-expansion-de-la-palma-aceitera-alimenta-conflictos-agrarios-en-</u>

guatemala/#:~:text=La%20expansi%C3%B3n%20de%20la%20industria,agrarios%20entre%20empresas% 20y%20comunidades.

<sup>28</sup> Salva la Selva. Palma Aceitera desangra Honduras, Online petition <u>https://www.salvalaselva.org/peticion/887/palma-aceitera-desangra-a-honduras</u> <sup>29</sup> Henry Picado, "Palma aceitera como política de Estado en Centroamérica", *Biodiversidad, sustento y culturas,* February 2017 <u>https://grain.org/e/5663</u>

<sup>30</sup> Gabriel Chiappini, "Vibra Energia fecha parceria com BBF para vender SAF em 2025", estudio epbr, BBF 2022. <u>https://www.brasilbiofuels.com.br/noticias/vibra-energia-fecha-parceria-com-bbf-para-vender-saf-em-2025/</u>

<sup>31</sup> WRM, "Green Deserts: The Advance of Oil Palm Plantations in the Amazonian State of Pará." *WRM Bulletin 261*, 16 June 2022 https://www.wrm.org.uy/bulletin-articles/the-advance-of-oil-palm-plantations-in-the-amazonian-state-of-para

<sup>32</sup> Acción Ecológica and GRAIN, "Persecution against rights defenders of the Afro-Ecuadorian commune of Barranquilla de San Javier", GRAIN, 5 June 2023 <u>https://grain.org/e/7001</u>

<sup>33</sup> Inter-American Development Bank (IDB), *Information on loans to the private sector*, 2024 <u>https://www.iadb.org/</u>

<sup>34</sup> Pek Shibao, "Who is funding palm oil?" *Mongabay*, 2015. https://news.mongabay.com/2015/03/whos-funding-palm-oil/

<sup>35</sup> Swissinfo, *El aceite de palma moverá 93.000 millones de euros en 2030 en Latinoamérica,* 2023 https://www.swissinfo.ch/spa/el-aceite-de-palma-mover%c3%a1-93-000-millones-de-euros-en-2030en-latinoam%c3%a9rica/48548024

<sup>36</sup> WRM "Oil palm plantations in Chiapas, Mexico: Women fight against territorial control and violence", *WRM Bulletin* 264, 16 January 2023 <u>https://www.wrm.org.uy/bulletin-articles/oil-palm-plantations-in-</u> chiapas-mexico-women-fight-against-territorial-control-and-violence

<sup>37</sup> Francesca García Delgado, "An oil palm front advances on an Indigenous community in Peru," *Mongabay*, 16 December 2020. <u>https://news.mongabay.com/2020/12/an-oil-palm-front-advances-on-an-indigenous-community-in-peru/</u>

<sup>38</sup> Julio López, "Palma Africana en Nicaragua", Mongabay 23 January 2019.

https://es.mongabay.com/2019/01/palma-africana-en-nicaragua/

<sup>39</sup> Nathalia Bonilla, "Communities resisting the impunity and impacts of oil palm growers in Ecuador," WRM Bulletin 261, 16 June 2022. <u>https://www.wrm.org.uy/bulletin-articles/communities-resisting-the-impunity-and-impacts-of-oil-palm-growers-in-ecuador-cases-from-esmeraldas</u>

<sup>40</sup> María Moreno Parra, "Environmental Racism: Slow Death and the Displacement of Ancestral Afro-Ecuadorian Territory in Esmeraldas," *Íconos. Revista de Ciencias Sociales*, 64, 89-109, 2019. <u>https://iconos.flacsoandes.edu.ec/index.php/iconos/article/view/3686</u>

<sup>41</sup> Edison Morales, "La evolución espacial de la palma aceitera, e impactos sociales y ambientales generados en las parroquias de Limoncocha y San Roque" 2011, PUCE, Tesis de licenciatura, <u>https://repositorio.puce.edu.ec/handle/123456789/21350</u>

<sup>42</sup> Paul Richard Furumo and T. Mitchel Aide, "Characterizing commercial oil palm expansion in Latin America: land use change and trade", 2 February 2017 <u>https://iopscience.iop.org/article/10.1088/1748-9326/aa5892</u>

<sup>43</sup> Bram Ebus, "Palm oil mounts 'new offensive' in Colombia while workers decry labor conditions, *Mongabay*" 27 October 2017 <u>https://news.mongabay.com/2017/10/palm-oil-mounts-new-offensive-in-colombia-while-workers-decry-labor-conditions/</u>

<sup>44</sup> M. Bayón, "Los monocultivos industriales de palma africana y sus impactos territoriales, sociales y ambientales", 29 May 2013 <u>https://www.nacionmulticultural.unam.mx/mezinal/docs/2735.pdf</u>
 <sup>45</sup> United States Embassy in Ecuador. *Report on human trafficking in Ecuador*, 2020

https://ec.usembassy.gov/wp-content/uploads/sites/38/ECUADOR-TIP-2020-SPA-FINAL.pdf <sup>46</sup> Juan Carlos Gonzalón Cedeño, (2016). "Vulnerabilidad de la legalidad ambiental, territorial y de los derechos humanos ocasionado por los cultivos de palma africana en la Provincia de Esmeraldas", 2016 http://www.dspace.uce.edu.ec/handle/25000/5758

<sup>47</sup> Friends of the Earth "RSPO: 14 years of failure to eliminate violence and destruction from the industrial palm oil sector", 12 November 2018 <u>https://www.foei.org/rspo-14-years-of-failure-to-eliminate-violence-and-destruction-from-the-industrial-palm-oil-sector/</u>

<sup>48</sup> Ministry of the Environment of Colombia *Línea base de la deforestación 2011-2017 en áreas de cultivo de Palma de aceite africana (Elaeis guianeenis) y la Palma de aceite híbrida (E. oleifera x E. guineensis), 2017.* 

https://archivo.minambiente.gov.co/images/BosquesBiodiversidadyServiciosEcosistemicos/pdf/Acuerdo \_\_cero\_deforestacion/L%C3%ADnea\_base\_deforestaci%C3%B3n\_PPT\_rev\_dic2020.pdf <sup>49</sup> Sandra Cuffe, "La expansión de la palma aceitera alimenta conflictos agrarios en Guatemala", *Prensa Comunitaria*, 2021 <u>https://prensacomunitaria.org/2021/11/el-estor-la-expansion-de-la-palma-aceitera-alimenta-conflictos-agrarios-en-</u>

guatemala/#:~:text=La%20expansi%C3%B3n%20de%20la%20industria,agrarios%20entre%20empresas% 20y%20comunidades..

<sup>50</sup> Mike Gaworecki, "Latin America palm oil production doubled since 2012 without massive uptick in deforestation", *Mongabay*, 14 February 2017

https://news.mongabay.com/2017/02/latin-america-palm-oil-production-doubled-since-2001-withoutmassive-uptick-in-deforestation/

<sup>51</sup> WRM, "Green Deserts: The Advance of Oil Palm Plantations in the Amazonian State of Pará." WRM Bulletin 261, 16 June 2022 <u>https://www.wrm.org.uy/bulletin-articles/the-advance-of-oil-palm-plantations-in-the-amazonian-state-of-para</u>

<sup>52</sup> Alianza Periodística tras las Huellas de la Palma, "BBF recibe fuertes multas y es acusada de provocar la 'guerra por el aceite de palma' contra comunidades". *Mongabay* 11 October 2022.

https://es.mongabay.com/2022/10/palmicultora-recibe-multas-y-es-acusada-de-provocar-guerra-poraceite-de-palma-en-brasil/

<sup>53</sup> Reuters, "Agropalma retomará produção de biodiesel no Pará em 2023", *ForbesAgro*, 12 August 2022. <u>https://forbes.com.br/forbesagro/2022/08/agropalma-retomara-producao-de-biodiesel-no-para-em-</u>2023/.