

Land tenure regularization and state land grabbing in the municipality of Paragominas, Eastern Amazon

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Table 1. Discriminated federal plots (GFD) with reference to the original area (aGFD) and enrolled federal plots (GFM) with the detached areas (aGFM) and the difference of areas between the groups (DTPdm) in hectares (ha) and in percentage (%).

Land Collection		SIGEF Database		Difference between areas of DTPdm groups			
GFD Discriminated Federal Plots	GFD Original Area (ha)	GFM Enrolled Federal Plots	GFM Detached Area (ha)	(ha)	%		
Carrapatinho	114,881.00	Carrapatinho A-01	4,261.85				
		Carrapatinho A-02 / A-04	3,06.71				
		Carrapatinho A-03	241.43				
		Carrapatinho A-05	2,216.42				
		Carrapatinho A-06	4,044.88				
		Carrapatinho A-07	4,314.48				
		Carrapatinho A-08	2,165.90				
		Carrapatinho A-10	11,932.00				
		Carrapatinho A-11	10,589.55				
		<i>Total</i>	<i>114,881.00</i>		<i>40,073.22</i>	<i>-74,807.78</i>	<i>-65</i>
		Cauaxi	209,796.00	Cauaxi A-01	28,061.70		
Cauaxi A-03	2,599.70						
Cauaxi A-04	2,406.30						
<i>Total</i>	<i>209,796.00</i>		<i>33,067.70</i>	<i>-176,728.30</i>	<i>-84</i>		
Croatá	84,950.00	Croatá A-03	7,130.00				
		Croatá A-04	24.00				
		Croatá A-05	4,061.26				
		Croatá A-06	277.60				
<i>Total</i>	<i>84,950.00</i>		<i>11,492.86</i>	<i>-73,457.14</i>	<i>-86</i>		
Paragominas	114,492.80	Paragominas A-01	1,286.80				
		Paragominas A-03	816.30				
		Paragominas A-05	2,024.60				
		Paragominas A-06	1,345.95				
		Paragominas A-07	12.10				
		Paragominas A-08	459.30				
		Paragominas A-09	1,189.70				
		Paragominas A-10	596.10				
		Paragominas A-11	980.20				
		<i>Total</i>	<i>114,492.80</i>		<i>8,711.05</i>	<i>-105,781.75</i>	<i>-92</i>
		Prainha	154,260.40	Prainha A-01	179.50		
Prainha A-02	1,346.80						
Prainha A-03	2,160.54						
Prainha A-04	384.23						
Prainha A-05	861.75						
Prainha A-06	59.50						
Prainha A-07	351.00						
Prainha A-08	1,884.40						
Prainha A-09	5,257.50						
<i>Total</i>	<i>154,260.40</i>		<i>12,485.22</i>	<i>-141,775.18</i>	<i>-92</i>		
Overall	678,380.20		105,830.05	-572,550.15	-84		

Table 6. Description of properties in the classification by groups and categories of federal public lands (TPF), state plots (GE), private lands (TP) and lands with no information (TSI) of the study area.

Jurisdiction	Groups	Categories	Properties
Federal Public Lands (TPF)	Land Collection	Indigenous Lands (TI) (FUNAI, 2020)	Alto Rio Guamá, Barreirinha
		Federal Settlement Projects (PAF) (INCRA, 2020a)	Águia, Alta Floresta, Arapuã Simeira, Areia Branca, Bacabal, Camapuã, Colônias Reunidas, Glebinha, Luiz Inácio, Mandacaru, Nova Vida, Paragonorte, Paranoa, Progresso, Rio das Cruzes
		Discriminated Federal Plots (GFD) (INCRA, 2012a, b, 2020a)	Carrapatinho, Cauaxi, Croata, Paragominas, Prainha
	SIGEF Database	Enrolled Federal Plots (GFM) (INCRA, 2020b, c)	Carrapatinho A-01, Carrapatinho A-02 / A-04, Carrapatinho A-03, Carrapatinho A-05, Carrapatinho A-06, Carrapatinho A-07, Carrapatinho A-08, Carrapatinho A-10, Carrapatinho A-11, Cauaxi A-01, Cauaxi A-03, Cauaxi A-04, Croatá A-03, Croatá A-04, Croatá A-05, Croatá A-06, Paragominas A-01, Paragominas A-03, Paragominas A-05, Paragominas A-06, Paragominas A-07, Paragominas A-08, Paragominas A-09, Paragominas A-10, Paragominas A-11, Prainha A-01, Prainha A-02, Prainha A-03, Prainha A-04, Prainha A-05, Prainha A-06, Prainha A-07, Prainha A-08, Prainha A-09.
State	State Plots (GE)	(ITERPA, 2021c, d)	Fazenda Chapada Grande, Baixo Uraim, Cauaxi I, Cauaxi II, Cauaxi III, Cauaxi IV, Cauaxi V, Cauaxi VI, Esmeralda, Alto Rio Guamá, Amajari, Boa Esperança do Uraim, Camari, Camari II, Candirú Açú, Carrapatinho, Carrapatinho II, Nazaré, Nova Vida, Nova Vida II, Nova Vida III, Novo Horizonte, Paragominas I, Paragominas II, Paragominas III, Prainha I, Prainha II, Rio Capim I, Rio Capim II, Surubiju, Uraim
Private Lands (TP)	Titled (ITERPA, 2015a; ITERPA, 2021d)	Before 1964 (TP – 1964) ITERPA Land Action 2010 to 2020 (TP – 2010 to 2020)	Various land titles issued Various land titles issued with detachment of State Plots
Lands Without Information (TSI)	Public land not intended or not registered or under regularization or private land not registered		Areas without information in Federal, State or Private groups

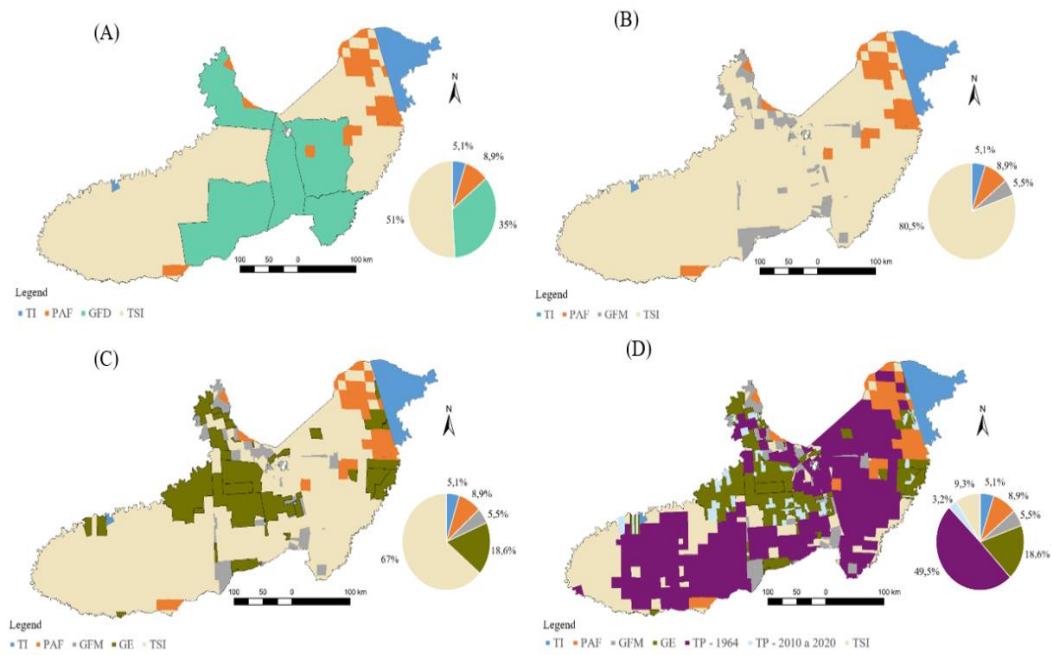


Fig 1. Tenure diagnosis of the municipality of Paragominas. (A) Scenario I: Data from the Land Collection group (GFD, TI and PAF) and TSI; (B) Scenario II: Data from the SIGEF database group (GFM), from the land tenure group (TI and PAF) and TSI; (C) Scenario III: Data from the SIGEF database group (GFM), from the land tenure group (TI and PAF), GE and TSI; (D) Scenario IV: Data from the SIGEF database group (GFM), from the land tenure group (TI and PAF), GE, TP (TP – 1964 and TP – 2010 to 2020) and TSI.