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Push, Pull, and Push-back to Land Certification:  
Regional dynamics in pilot certification projects  
in Côte d'Ivoire

**Professor Catherine Boone**

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**Department of International Development**

**London School of Economics and Political Science**

**Houghton Street**

**London**

**WC2A 2AE UK**

**Tel: +44 (020) 7955 7425/6252**

**Fax: +44 (020) 7955-6844**

**Email: [C.Boone@lse.ac.uk](mailto:C.Boone@lse.ac.uk)**

**Website: [www.lse.ac.uk/InternationalDevelopment](http://www.lse.ac.uk/InternationalDevelopment)**

**Push, Pull, and Push-back to Land Certification:  
Regional dynamics in pilot certification projects in Côte d'Ivoire**

by

CATHERINE BOONE, Professor  
*Department of Government, London School of Economics (LSE)*  
*Connaught House 604, Houghton Street*  
*London WC2A 2AE, UK.*  
c.boone@lse.ac.uk

with

Pr. Brice Bado, Assistant Professor  
Aristide Mah Dion, Master's en Droits Humaines 2020  
Zibo Irigo, Master's en Droits Humaines 2020  
CERAP, Centre des Etudes et d'Action pour la Paix (Institution Universitaire Jésuite)  
Cocody, Blvd. Mermoz, Abidjan, Côte d'Ivoire

## Abstract

Since 2000, many African countries have moved toward land tenure reforms that aim at comprehensive land registration (or certification) and titling. Much work in political science and in the advocacy literature identifies recipients of land certificates or titles as "program beneficiaries," and political scientists have modeled titling programs as a form of distributive politics. In practice, however, land registration programs are often divisive and difficult to implement. This paper tackles the apparent puzzle of friction around land certification. We study Côte d'Ivoire's rocky history of land certification from 2004 to 2017 to identify political economy variables that may give rise to heterogeneous and even conflicting preferences around certification. We identify regional inequalities, social inequalities, and regional variation in pre-existing land tenure institutions as factors that help account for friction or even resistance around land titling, and thus the difficult politics that may arise around land tenure reform. Land certification is not a public good or a private good for everyone.

Key words: land, Côte d'Ivoire, inequalities, political economy, land tenure

## INTRODUCTION

Since 2000, there has been a renewed push within African countries for comprehensive land registration and, in many cases, land titling. Most of the new laws and registration programs aim at assignment of rights to individuals and land commodification. Some examples are the effort announced in Kenya in 2013 to register and title all land within a decade, Côte d'Ivoire's law of 1998 (updated in 2011) which aims to register all land by 2023, Uganda's 1998 comprehensive land registration law, and the Burkina Faso 2012 and Malawi 2016 land policies, which also aim at comprehensive registration. In much of the donor community and among political scientists writing on land titling in Africa, registration and titling is defined as a universal good -- i.e., as both a public good that will reduce conflict and promote investment in land, and as a *pareto optimal* change that creates only beneficiaries at the individual level.<sup>1</sup> Theories of "endogenous evolution of land rights" suggest that privatization will be a smooth and incremental process driven by incentives arising from within the rural economy and society, and thus require little "push" or coercion from government.<sup>2</sup> Much research in the advocacy literature and the political science literature on titling casts recipients of land-rights formalization as "program beneficiaries," and political scientists are modeling land titling programs as a form of distributive politics by which politically-favored rural communities are the priority targets.<sup>3</sup> In practice, however, land law reform rarely follows this smooth trajectory.

Land tenure reform proposals have been divisive, hard to develop, and difficult to implement in many African countries. As Ali, Collin, and Deininger wrote in a 2014 World Bank policy research paper, "During the 1990s and 2000s, nearly two dozen African countries proposed de jure land [law] reforms which extended access to formal, freehold land tenure to millions of poor households. Many of these reforms stalled."<sup>4</sup> Deininger, Hilhorst, and Songwe (2014: 79) write that implementation has been limited or non-existent almost everywhere. In Côte d'Ivoire, 20 years after the passage of the new land law, only about 4,000 land certificates, or less than one percent of estimated (and presumed) total demand, have been delivered. Land registration proponents, including the World Bank and the *Union Européenne*, chafe at persistent obstacles to faster progress.<sup>5</sup>

This paper tackles the apparent puzzle of friction around land tenure reform. We use Côte d'Ivoire's on-going history of efforts to implement its 1998 land law as an opportunity to frame and probe some general hypotheses about the sources of friction in, or impediments to, land registration programs in African countries. Existing explanations in the policy literature for the stalling or go-slow on land registration programs in Africa tend to focus on "supply side" factors related to project implementation. These include the high costs of registration and titling, challenges of communication and information dissemination (*sensibilisation insuffisante*), and low government capacity.<sup>6</sup> Other explanations for slow progress focus on the "demand side." The most common of these is that landholders believe that their land is secure and are therefore indifferent to titling. Yet much experience shows that many smallholders do face land insecurity, and/ or are eager to obtain some form of formal state recognition of their land rights. A key demand-side explanation for slow uptake of land registration is the high costs of land certification that are imposed on the landholders themselves: farmers may want titles, but are unwilling or unable to cover the costs. It remains difficult to gain traction on the demand side of the registration and titling question,

however, especially given the challenge of interpreting "non-responses" to registration opportunities. As matters stand, pervasive friction in land rights formalization programs remains poorly understood, and only partially and unsystematically explored.

This paper advances knowledge in this field by probing the demand side of the registration equation. We analyzed national pilot projects that registered land rights at virtually no cost to landholders in selected project zones across southern Côte d'Ivoire. With the financial cost to smallholders near zero, the most common explanation for active smallholder reticence was largely neutralized.<sup>7</sup> Observation within a single country allowed us to compare regions while holding the state's administrative capacity relatively constant across space. Comparison across three pilot zones revealed two demand-side phenomena that are unanticipated in the existing literature that advocates for titling. The first is geographic and social *unevenness* small-scale landholder demand for land registration. The second is considerable political *friction* in the registration process, arising from local ambivalence and cross-purposes around the assignment of land rights. This presents a puzzle for the existing titling advocacy literature, which predicts no friction or push-back on the demand-side of the registration equation.

We argue that to explain regional and social unevenness in "preferences for titling," analysis must abandon three assumptions that pervade the pro-titling scholarship and policy discourse. These have to do with spatial uniformity, social equality, and institutional equilibria in pre-titling contexts. Part I proposes an alternative theoretical starting-point, one that starts from the expectation that spatially-variant features of local political economies can contribute to locally-divergent preferences for land rights formalization. Political economy variables that may drive variation in local preferences for land registration are regional inequalities, social inequalities, and variation in (pre-)existing land tenure institutions. The rest of the paper uses our research in Côte d'Ivoire to probe these hypotheses, and to demonstrate their

potential usefulness in understanding linkages between regional agrarian issues and national politics. Part II describes the land registration pilot programs that were implemented in localities across the Ivoirian forest zone. Our study focused on pilot *sous-prefectures* in three regions. We describe our study sites, study design, and research method. Part III focuses on each of the study areas, showing that hypotheses laid out in Part I offer leverage in revealing and accounting for tensions across localities on the "demand side" of the land registration equation. In Côte d'Ivoire, these regionally-specific differences have contributed to social tensions that have restrained land registration at the local level, hampered program implementation nation-wide, and played a part in the on-going salience and politicization of land issues at the national level.

#### I. LAND RIGHTS FORMALIZATION: INEQUALITIES, INTERESTS, AND INSTITUTIONS.

Much of the pro-titling policy and political science literature on titling directs attention away from demand-side dynamics that complicate national land registration and titling programs from the bottom-up. These approaches tend to take a uniform, space-blind view of "the rural majority;" to assume that social equality is a defining characteristic of peasant society in Africa; and to see existing land tenure institutions as stable and politically-neutral. From such perspectives, it is difficult to account for much of the controversy and political tension observed around land rights formalization programs. What is required to explain friction and controversy is, we argue, a different starting point -- i.e., one that focuses on social inequality, regional inequalities, and variation and bias in pre-existing land tenure institutions.

We argue for starting point that rejects the uniformity assumption and takes seriously the political and economic geography of African states. National territories are defined by

uneven landscapes of advantage and disadvantage, both economic and political. Territorial inequality and histories of the shifting and sometimes rivalrous and coalitional bases of national governments have created differentiated countrysides deeply marked by past and on-going state intervention. Legacies of regional competition and "geopolitical logics" of rule have biased both land policy and its distributive impact in rural settings. Such considerations strongly inform existing work on land politics and policy in many African contexts,<sup>8</sup> including Côte d'Ivoire.<sup>9</sup> A basic hypothesis to emerge from this starting-point is that there will be variation both across and within subnational regions in the strength of demand for land rights formalization, and in the type of land certification that actors may prefer or demand. For example, landholders in wealthy rural regions that are politically-aligned with the national government may view a formalization initiative more favorably than landholders in a poor region in an oppositional (distrustful) stance vis-a-vis the state or regime.

The assumption of equality in rural society ("peasant society") must also be set aside - it is an impediment to understanding unevenness and regional variation in local demand for land registration and titling. An alternative starting point theorizes the causes and effects of inequalities within rural societies. Degrees and types of social hierarchy vary across regions, and these hierarchies are based in large part on differential distribution of land rights within localities and families. An hypothesis that emerges from this starting point is that land rights formalization will solidify the positions of the wealthier and more politically- and socially-powerful elements within rural regions, communities, and families. Indeed, policy debates and case study analysis of land titling in African countries have long focused on these inequalities, raising the spectre of land formalization and titling programs that benefit the powerful at the expense of small landholders and those with weaker or subordinate land rights.<sup>10</sup> Social inequality within and across rural regions is expected to be a source of

variation in the actual or anticipated benefits of titling, and thus a source of difference in "preferences for titling" among rural landholders.

Much pro-titling literature assumes that the institutional *status quo* of customary rights exists in pre-political social equilibrium, as proto private rights that only need formal recognition by the state. As Albertus (2015: 124) put it, titling "is simply conversion of de facto to de jure land rights." The alternative conceptualization endorsed here sees rights formalization as over-writing existing institutional matrices of land rights and entitlements (sometimes disputed), some of which have been previously recognized by the state. Formalization is thus understood as a *transformation* in ways of legitimately claiming and holding land. This suggests that departures from the *status quo ante* will create a politics around winners and losers of older rights and protections, and possible grounds for resistance or contestation.

Assumptions about uniformity, equality, and institutional void or equilibrium in rural society underpin the suggestion that almost all rural landholders would prefer whatever form of land rights formalization is on offer by the state. In contrast, an approach that foregrounds spatial and social inequalities and pre-existing institutional heterogeneity predicts variation in both the level and *the type* of land-rights formalization that different rural groups and actors would prefer. There are many possible dimensions along which rights-assignment and formalization can be structured: individual versus collective registration (which individuals? which collectivities?); restricted or unrestricted transactability of title; local versus more centralized keeping of registries, rights enforcement, and conflict adjudication; short or long duration of contracting on the basis of different kinds of registration; etc. Such differences in preferences may be a source of local-level friction in land registration programs, and may scale-up to find expression in political or policy debates at the national level. If both local and regional preferences over institutional design vary, then there are many potential sources

of bottom-up resistance to the smooth implementation of land formalization programs, and many potential sources of political conflict at the national level over the design (and financing) of land formalization programs. These dynamics are at work in Côte d'Ivoire.

## II. CÔTE D'IVOIRE LAND RIGHTS FORMALIZATION: FROM THE 1998 LAW TO PILOT PROGRAMS

A large body of work on Côte d'Ivoire traces regional variation in land politics, and in the politicization of both land law and land rights since the 1940s. This documented history of agrarian and regional tensions is context in which the current land registration and titling effort is playing out. The rapid economic development of the country from the 1950s to the 1970s was driven in large part by state-orchestrated land pioneering that drove expansion of export crop production across the southern forest zone. Ivorian land policy offered uneven recognition to the customary land rights of indigenous populations throughout the country. These were robustly upheld in the North and East, but compromised and encroached upon in the West, in the zones of large-scale in-migration. Grievances over land rights encroachment and a sense of regional injustice developed in the center-west and far west. This found expression in militant and oppositional politics in the 1970s and the 1990s.

In 1998, in a context of high national political tension around issues of land rights and citizenship rights, the Ivorian National Assembly passed a new land law, Law 98-750 on the Rural Domain. It was built around seemingly contradictory commitments to both autochthony-affirming principles (affirming the ability of village-level traditional authorities to adjudicate land rights, protecting autochthonous land rights, and denying non-Ivorians the right to own land) and to pro-individualization, pro-privatization, and market-building principles (requiring that all land certificates be transformed into individual and fully-transactable land titles within three years of registration). The law declared that all rural land

in Côte d'Ivoire would be either registered and individually-titled, or immatriculated in the name of the state, within 10 years.

National elections in 2000 brought to power Laurent Gbagbo, a champion of the land rights of the indigenous people of the West. During his decade in office (2000-2011), Gbagbo undertook to deliver on the protective and autochthony-affirming promises of the new land law, especially in his core regions of political support in the West. With donor funding, the government introduced a village demarcation program to lay the foundation for certification and titling (AUTHOR 2018). In the regions and villages, pro-Gbagbo elites reinforced the insistence on autochthones' claims to land that had been ceded (or lent) to in-migrants in the past.

Target villages for these early programs were selected strategically, reflecting the Gbagbo regime's interest in delivering more secure land rights to supporters in its electoral strongholds, and project designers' interest in building regional variation into the pilot project (for learning purposes and also to defuse the appearance of a partisan regional bias in program implementation). These efforts, financed in part through a European Union debt swap programme (*Devis-Programme*, or DP) called DP3, led to the demarcating 170 villages (1.1 million hectares of territory) across the four pilot zones in 2005-6. Of the 198 *certificats fonciers* (CFs) delivered during Gbagbo's time in office, 121 within the framework of the pilot projects. These programs were interrupted by the political upheavals and the *crise politique* that ousted Gbagbo in 2011.<sup>11</sup>

In 2011, the new government of Alassane Ouattara revived and extended the village demarcation and land certification pilot projects. Under the DP4 debt swap program financed by the EU, the Ministry of Agriculture targeted 17 sous-prefectures in five departments with goal of delivering certifying 28,000 hectares of land. The 2005-2010 and 2014-2017 pilot projects targeted *sous-prefectures* in which village demarcation was already complete.<sup>12</sup>

Processes in each locality were largely the same (although some divergences are noted below), following the regulations governing adjudication and certification.

Under the 1998 land law, land certification in Côte d'Ivoire is designed to offer state recognition to *customary land rights* and *customary land rights ceded to third parties*. The key actors in this process are thus the holders and adjudicators of customary land rights. To this end, the law called for the formation of *Comités Villageois de Gestion Foncière Rurale* (CVGFR) within each village jurisdiction, a territory that may range from 1,000 to 10,000 hectares. These are headed by the village chiefs (who serve under the *sous-prefets* as the lowest rung of the territorial administration) and composed of elders and notables in their roles as representatives of customary rights-holding families. Regulations specify that the CVGFR should be broadly representative and thus include women, youth, and migrants, but the spirit of rule has not been observed in practice (Varlet 2014). Under the DP3 and DP4 projects, *sous-prefets* initiated the formation of CVGFR and the certification process by asking village chiefs to develop lists of landholders who were interested in obtaining a land certificate (*demandeurs*). Based in part on the strength of expressed local demand, *sous-prefets* recommended villages as project sites. Once villages were selected, the Ministry of Agriculture deployed "*commissaires enquêteurs*" to work with the CVGFR to carry out the adjudication process, and to prepare a land certificate dossier for each *demandeur*.

*Demandeurs* were required to submit a written request, including the parcel description, parcel limits as determined by the surveyor, the name of the customary rights holder, and the names of family members and tenants holding interests in the parcel.

*Demandes* were posted publicly for three months to solicit possible objections. At the end of the publicity phase, the CVGFR and *commissaires-enquêteurs* held a public meeting in which claims and objections were vetted. Most objections were resolved through negotiations between the disputing parties. Often, a payment in cash or kind persuaded the objector to

desist, allowing the dossier to proceed to the departmental office of the Ministry of Agriculture for preparation of a land certificate which, after vetting by a sous-prefectural level committee, was signed by the Prefet.

*Demandeurs* could seek an individual land certificate (CFI) or a collective land certificate (CFC). Collective certificates are intended primarily for use by nuclear families; they list the names of parents and children, or the names of siblings (in the case of deceased parents) requesting certification of a shared parcel. The interpretation of the 1998 law which informed policy from 1998 to 2017 was that both individual and collective certificates are valid for a period of three years, during which time collective certificates were to have been parcelled among the named individuals. Once parcels are immatriculated in the national land registry, a title is issued. The period of validity of all land certificates was extended to 10 years in 2017. Certificates issued to non-Ivoirians (as customary rights ceded to third parties, in this case, to foreigners) are immatriculated in the name of the state and the certified landholder enters into a long-term lease (*bail emphytéotique*) with the state. The 1998 law declared that all land not immatriculated by 2023 would be declared "*sans maître*" and revert to state ownership. This clause was under debate within the Ivorian government during the period of the certification pilot projects that we studied.<sup>13</sup>

The pilot land certification projects -- known locally as the DP3 and DP4 programmes -- covered virtually all the costs of the process described above, sparing the *demandeurs* land registration costs that are currently estimated to run to between FCFA 500,000 and 1 million (\$1,000-\$2,000) for a 3 hectare parcel in southern Côte d'Ivoire.

Table 1 presents an unofficial balance sheet for the registration pilot projects in three regions of Côte d'Ivoire -- Daloa, Agboville, and Abengourou -- as of 2017. These are the study zones we analyze in this paper. Not included in our study are the pilot zones of Agnibilikro and Soubré, which ran into blockages and resulted in the delivery of no CFs.<sup>14</sup>

Target hectareage in our study zones accounted for 75% of the target hectareage in the DP4 programme. As reported in Table 1, about 70% of the initial *demandes* in these departments resulted in the delivery of a CF.<sup>15</sup> Collective land certificates were 30 percent of the total, with wide cross-regional variation. Individual certificates issued to women ranged from 3 to 15% of the regional totals.<sup>16</sup> The administration did not record the proportion of CFs issued to non-autochthone Ivoiriens -- ie., Ivoirians citizens claiming land in localities in which they do not have customary land rights ("ethnic outsiders"). Table 1 offers an estimate of this figure for each project zone, based on our interviews with state agents and local residents, project reports, and the grey literature. Estimates run from 25-70%. These cross-regional variations are discussed below in analyses of the three study zones.

Table 1 here

By the end of 2018, a cumulative total of 800 villages had been delimited and the land certification pilot projects had delivered 2,245 (56%) of the 4,500 CFs that had been issued so far. Less than 1% of the land that the government aimed to certify by 2023 had actually been registered.<sup>17</sup>

Our field research targeted project and non-project villages in the main DP4 "*zones d'intervention*": six villages in Daloa, six villages in Agboville, and six villages in Abengourou.<sup>18</sup> We interviewed administrative agents and village residents on village selection, land adjudication, perceptions of local demand for certificates, and assessments of why and to whom certificates were delivered. Local agents of the Ministry of Agriculture provided project documentation and other information. *Chefs de village* convoked members

of the CVGFR, as well as representatives of Associations of Women, Youth, and Migrants. Our main meetings took place in village meeting venues with approximately 15-40 village residents in attendance. We conducted one-on-one and smaller group discussions with the association heads and other knowledgeable persons, for a total of 3-4 hours per village by our team of four researchers, with repeat visits to some sites. To protect interviewees we have not used individuals' or village names.

Given our strategy of access, we were able to gather information mostly from autochthonous community members (not ethnic outsiders). Side interviews with autochthonous youth, women, and long-established "migrants" allowed us to expand the spectrum of views. Although social cadets, women, and migrants were underrepresented in our information-gathering process, the thrust of the information we obtained on age, gender, and *indigène*/stranger biases in the land certification process was consistent with findings in the secondary literature on these topics in western Côte d'Ivoire (Chauveau 2000; Kone 2006; Galoui Bi 2012; Montaz 2015, 2017; Balac 2016, RCI 2017), the Agboville region and the larger southeast (Tarrouth and Colin 2016; Ruf 2012, 2016; Mel Meledje et Siméon 2016), and Abengourou (Gastellu 1989; Koffi Kouassi 1999; Maclean 2010), and with reports by the Ministry of Agriculture, government consultants, and Ivorian NGOs.<sup>19</sup>

General findings were consistent with the hypotheses and expectations laid out in Part I. We found regional variation in the intensity and nature of customary rights holders' "preferences for titling," and this variation tracked the regional geography of land grievances and advantage. Social inequality and hierarchy were strong predictors of social cleavages and division around titling, both within and across communities. Where land tenure institutions previously recognized by the state were overwritten (superseded) by land certification, customary rights-losers harbored grievances. And as expected, local leaders had strong

preferences around the institutional design of land registration (and indeed, for securisation strategies more generally) that often differed from what the government had on offer.

### III. LAND CERTIFICATION IN THREE STUDY ZONES

This section presents results of our research in three study zones (see Map). For each zone, we describe the *déroulement* of the pilot project and then relate our findings to hypotheses and expectations laid out in Part I.

MAP here

*Daloa: "He who has a CF does not need an autochthone"*

The Daloa region is in the heart of the western forest zone and, along with the Gagnoa region, has been an epicenter of migratory inflows from other parts of Côte d'Ivoire and neighboring Sahelian countries since the 1960s. Large in-migrant populations, drawn by expansion of the coffee and cocoa economy, now exceed 60% of the population in most localities<sup>20</sup> and occupy a very large share, almost certainly most, of the land. Over the course of the 1960s-1980s, in-migrants gained access to land through *tutorat* relations of land patronage with autochthones, and/or through informal purchases or land or farming rights. This process was aided by the agents of the central government who pressured autochthones to offer land to the cash-crop pioneering migrants. On the side of the autochthones, control over land was and is atomized, with lineage-heads and household heads (rather than a superordinate authority such as a village chief) in charge of mediating land-access relations

with in-migrants. Household heads have been responsible for the more or less informal land cessions and sales to migrants. These land deals are resented *inter alia* by younger members of households who -- especially since the late 1970s, when the supply of good job opportunities in the formal sector began its precipitous decline relative to the number of qualified job-seekers -- feel deprived of their land inheritance.

Given the implication of the central state in organizing migratory inflows to the Ivoirian west, autochthone-migrant relations have been highly politicized since the 1960s. Autochthonous populations maintained an oppositional stance vis-a-vis the regime in the first three decades of Ivorian independence and this was met by political marginalization and repression. These tensions fuelled land-related violence in the 1990s and the political rise of the Laurent Gbagbo, who championed the land grievances of the autochthones of the West and who presided over the first phase of village delimitation and land certification in this region. Gbagbo's replacement by his rival Alassane Ouattara in 2011, strongly backed by migrant communities throughout southern Côte d'Ivoire, was a reversal of political fortune for the autochthones of the West. These facts shaped the implementation of the land registration pilot programs in the Daloa sous-prefecture.

In this sous-prefecture of 12 villages, village demarcation began in the 1980s and was completed under the Gbagbo government in 2006. Under the DP3 program, the Ministry of Agriculture collected a total of 95 *demandes* for land certificates in 2009. The process stalled when disputes arose between the CVGFR and state agents over whether CFs should be issued to in-migrants, and with the *crise politique* of 2011, the entire DP3 project came to a halt.

Under the Ouattara regime, land certification resumed in this sous-prefecture under the DP4 program. DP3 villages were by-passed due to the past difficulties and three new target villages were selected.<sup>21</sup> The selection prioritized large villages where many *demandes* for land certificates had been gathered by local agents of the Ministry of Agriculture -- the

authorities wanted to undertake certification where this was most likely to be successful. One chief explained that his village was selected for the pilot project because "relations with migrants are good in our village -- we have no problems here." Of approximately 800 original *demandes* across the three villages, 669 CFs were delivered under the DP4 project. This represented the vast majority of all CFs that had been delivered in Daloa Department by the end of 2018.<sup>22</sup>

Autochthonous individuals and families received about 25% of all land certificates delivered under the pilot land registration programs. From Ministry of Agriculture records we calculated an average parcel size of 7 hectares (ha), with a strong skew in favor of non-autochthones (i.e., individuals with non-Bété sounding surnames), who registered larger parcels (often 10-12 ha, but some three or four times larger than this), and against autochthones (i.e., individuals with Bété sounding surnames), most of whom registered very small parcels of 1-2 ha (some running up to 3-4 ha). Collective land certificates (*certificats fonciers collectifs*, or CFCs) (13%) and land certificates to women (3%) were few and far between. Most land certificates went to non-indigenous Ivoiriens (45%), and non-Ivoiriens (CEDEAO *resortissants*)(28%). The uneven distribution of CFs across the autochthonous and in-migrant communities reflected the power-balances on the ground, both in terms of land occupation and in terms of economic advantage more generally. The in-migrants had the upper hand in both respects. After 2011, the national political dispensation had also shifted in their favor.<sup>23</sup>

Interviewees reported that CFs were issued through a process that usually unfolded according to the formal regulations. The customary landholder had to formally register "no objection" to issuance of a land certificate to an in-migrant. Most objections arose around in-migrants' claims to more land than had been ceded originally, and often resulted in in-migrants' agreement to (re)purchase all or part of the parcel. Deadlock usually simply halted

the certification process. In a few instances, individuals claiming ceded rights hired lawyers to press their claims. According to local interviewees, many non-autochthonous CF holders proceeded quickly to immatriculation and the receipt of a land title (the costs of which are borne in full by the CF holder).

As hypothesized in Part I, a regionally-specific land and political history has exerted a strong pull on preferences around registration and titling in target villages in this sous-prefecture, and in the denouement of the pilot projects. The perceived structural disadvantage of autochthones in the state-sponsored processes of in-migration to this region, and the West's history of "reversal of fortune" in the 2000s and 2010s (with the rise and fall of the Gbagbo regime), shaped autochthonous community leaders' interpretation of bias in the land certification program.

CVGFR members and other heads-of-household expressed a strong sense that land certification, rather than securizing their customary claims on land, had become the vehicle of their dispossession. Certification had, in their perception, undermined the autochthony-affirming *tutorat* land tenure institutions that the state had endorsed in the past. Interlocutors in each village explained clearly that through certification, non-autochthones had established autonomous claim over the land: "He who has a CF has no need for an autochthone;" "Social relations have been turned upside-down;" "Migrants now strut around our village without showing respect for us;" and "Next, we will be laborers on the migrants' plantations." Indeed, many expressed the general anxiety that many autochthonous families were now indisputably landless. Moreover, many were convinced that autochthones in the West were worse off than autochthones elsewhere in Côte d'Ivoire because the policy environment was singularly pro-migrant in West.

In terms of social inequality or hierarchy, the main cleavage underlying local tension around certification was the autochthone-outsider cleavage. Social hierarchy also activated a

line of cleavage *within* autochthonous communities and families, especially between elders and male youth (i.e., social cadets, generally those under about 40 years old). Social cadets were generally excluded from the CVGFR because these positions were reserved for household heads. When a land certificate (and then a title) went to a non-autochthone, the young man knew for sure that he would never inherit his ancestors' land. And by raising land prices, certification also made it more difficult for him to rent or buy land in the sous-prefecture.<sup>24</sup>

Closing of the land frontier and the land shortage felt by autochthonous families clearly aggravates all tensions around land certification, and colours local community leaders' preferences for state-led land securization efforts. All six *chefs de village* asserted their strong preference for a rule that would require non-autochthones to obtain a chief's permission before proceeding to land immatriculation and title. They believed that in general, land titles should be assigned autochthonous families only. Families could then lease or rent land to non-autochthones and others. Their unanimity on this issue was in part the result of political coordination. All 27 *chefs de village* of this sous-prefecture had met as a group with their member of parliament (an *originaire* of northern Côte d'Ivoire) in 2018 to protest the way land certification and titling was progressing, and to call for a halt in the process until the rules can be revised by a National Assembly renewed by the 2021 elections.

*Agboville: "The CF is for fonctionnaires!"*

Agboville is part of the southeastern Côte d'Ivoire region that has been marked by a long history of land commercialization. In the 1920s-1940s, French and other European settlers created commercial plantations along the Abidjan-Bobo line of rail. With the railway came in-migrants from other parts of the colony and Burkina Faso. They settled on or around the commercial estates or on the periphery of autochthonous Abé villages (see Chaléard

1981-2). The colonial state zoned the Agboville region into freehold lands, classified forest, other state land, and "the customary domain." In the 1970s and 1980s, the country's first president declassified tens of thousands of hectares of forest in the Agboville region to give favored members of the political elite large private landholdings ("their slices of the national cake"), or to make land grants to autochthonous villages (Affou-Yapi 1987; Faussey-Domalain et Vimard 1991). A new trend of private land acquisitions by members of the Abidjan-based salaried and *rentier* classes began in the 1990s. It gained momentum dramatically in the 2000s and 2010s, fuelled by a boom in *hévéa* prices, an acquisition rush by political elites in the terminal Gbagbo years, and the favorable investment climate prevailing since 2011 under the Ouattara regime (Tarrouth and Colin 2016; Ruf 2012, 2013). Much of the land-selling over time has happened incrementally and informally as Abé families have sold parts of their customary land. Today, the Agboville region is a checkerboard of different types of land tenure and land holding: land titles on corporate holdings and private holdings, the privatized lands of former state-owned companies, classified forests, tens of thousands of hectares of declassified forest that was given in land grants to individuals and villages, and the *domaine coutumier*. As in Daloa, there is no open land frontier.

Private land certification started here in approximately 2010 and the first CVGFR were created at that time. By April 2014, 188 CFs had been issued in Agboville (av. size, 28 ha), by far the most in any single department.<sup>25</sup> At the end of 2017, 640 CF had been delivered in the Department of Agboville. Of these, 271 issued from the DP4 land certification project in two project villages.<sup>26</sup> The majority of Agboville CFs have thus been obtained privately (outside the project framework) and by "new boom land acquirers," and are dispersed across many village territories. There is a strong contrast with the Daloa and Abengourou sous-prefectures, where almost all CFs have been issued within the government's land certification pilot project and are concentrated in a few project villages.

Agboville sous-prefectures were included in the DP4 effort because project designers were eager to balance the wave of certification by new acquirers in this region with more certificates for local village residents. The two villages (combined population of 6,600 in 2018) were selected because village demarcation there was (almost) complete, and because local officials believed that the project could be successful in these localities. In one of the villages, the project apparently followed the official procedure: CVGFR were constituted at the initiative of the sous-prefect, lists of *demandes* for CF were drawn up, commissaire-enquêteurs did their work, dossiers constituted and publicized, , and CFs issued at no cost the *demandeurs* (except the charge for the fiscal stamp of about \$10). In the second project village, there were short-cuts to formal procedure, but CFs were issued nonetheless.

Of the 271 CF delivered in the two project villages (of 328 *demandeurs*), about half went to autochthones, and about half to non-autochthones (of which, 40% to non-Ivoiriens apparently from CDEAO countries to the north of Côte d'Ivoire).<sup>27</sup> Interviewees in both villages said that most of the project CFs that went to non-autochthones simply formalized land sales that had taken place in the past, often 30 years ago or more. Most of the certificates delivered to autochthones were *collective* certificates (CFCs); the Ministry of Agriculture agents implementing the DP4 program had encouraged this option. This also represented a stark departure from the Daloa experience, where administrative agents had discouraged families from opting for CFCs and few CFCs were issued. Forty percent of names that appeared on Agboville's 120 project CFCs (209/497) were women's names (Lestang 2018:5). Average parcel size under the DP4 project was 16 ha (compared to 28 ha in the privately-obtained CFs distributed before 2015). Even within the DP4 sample, some large parcels skewed the average upward (15 of 271 parcels were over 50 hectares). We can conclude that hectares per capita in the project-sponsored land certificates (collective and individual) obtained by autochthones in Agboville department was low, perhaps about 4 ha.

As hypothesized in Part I, regional specificities -- land tenure and migration histories, as well as Agboville region's physical and economic place in the national economy -- play a very strong role in shaping village residents' perceptions and preferences around land certification and titling. A long history of both formal and informal land sales to outsiders defined the context in which commercial land transactions and outright land sales are seen as a normal fact of life. The short distance to Abidjan (50-75 km by paved road) has been a key factor in the local boom in land sales and certification: the location is very convenient for salaried Abidjanais absentee-landowners. In most villages, interviewees believed that land certification since 2011 had intensified outsiders' demand for land and accelerated the pace of sales.

Although our interlocuters did not express a sense of betrayal of a land-tenure *status quo ante*, in two of the non-project villages, the new wave of selling and (in some cases) certification and titling was perceived as an existential threat to the community because of its scope and rapid pace, cumulatively adding up to a "tragedy of the commons" in which the collective land patrimony could dissolve away. *Chefs de village* said they try to discourage sales in favor of land rentals or leases, "but land-selling is a decision of household heads -- it is difficult to prevent."

As anticipated, strong perceptions of social hierarchy and economic inequality informed autochthones' descriptions of land certification. Yet in contrast to Daloa, the line of social cleavage emphasized in the project and non-project villages in Agboville Department was the division between long-time village residents and wealthy outsiders -- *les nantis*, or new *opérateurs économiques* -- who arrived to buy land and increasingly, to certify and title it. In the non-project villages, land certification was seen as an option made for wealthy *fonctionnaires*. "The CF is for *fonctionnaires* who have purchased customary land. As soon as they receive the CF, they rush to get the land title." Perceptions of corruption, non-respect

for the legal procedures in the land certification process, and/or the sense of being out-bid by the wealthy, generated grievance and frustration. Where high-visibility politicians or regime personalities were said to have acquired large tracts through non-regular channels or even the use of force, there was sense of outrage.

*Chefs de village* and CVGFR members described acute sense of land shortage in the region. They were unanimous in explaining that the majority of autochthonous families had little or no land to pass on to their children, that unemployment and delinquency among youth were high ("there is not even a youth centre here"), and that wage jobs in agriculture were low-paying and exploitative. According to them, the land-buying *opérateurs économiques* rarely create jobs for locals: either they hold onto their land for speculative purposes without developing it, or they bring in workers from outside.

In the two DP4 project villages, interviewees bemoaned the high cost of land certification on the private market, and expressed strong interest in more state-subsidized land certification. This was expressed as an individual-level, defensive response -- a way to ensure that households and individuals would hold onto their land. Some pointed out that once their land was certified, they could rent it out. Among those holding certificates obtained through the DP4 project, there was worry and uncertainty about the spectre of *morcellement* or break-up of collectively-certified properties. Would there be enough land to divide up? How would they pay for the costs of survey and certification of the individual parcels? Could family disputes be managed?<sup>28</sup> In non-project villages, *chefs de village* and CVGFR members had somewhat different preoccupations and preferences: three of the four had asked the government for additional forest declassification, to give the village new land to allow for the creation of new farms.

*Abengourou: "The [autochthonous] Agni regain land ceded in the past."*

The economic and political history of Abengourou is defined largely by autochthonous Agni lineages' successful pioneering of the local *économie de plantation*, and by the fact that these same autochthones, with the backing of the Ivorian state, have retained the upper-hand in land and labor relations with in-migrants. This has defined *rappports de force* around both village demarcation and land registration and ensured that locally-dominant social strata were best positioned to take advantage of land registration and titling under the government-run pilot programs.

The department of Abengourou is Côte d'Ivoire's oldest zone of cocoa and coffee production. Smallholder plantation developed strongly over the course of the last century within the hierarchical social structures of indigenous Agni kingdoms and chieftaincies that trace their origins to the 18th century. Since the 1920s there has been substantial in-migration from other parts of Côte d'Ivoire and from other parts of the West Africa subregion. Ivoirian and non-ivorien migrants gained access to land through grants from Agni chiefs and lineage heads (mostly before 1960) and loans, *tutorat*-like sharecropping contracts, and sales. Early waves of in-migrants founded their own settlements within the village territories of the Agni chieftaincies, cleared the land, and created coffee and cocoa plantations. Since the 1970s and 1980s, land saturation has slowed the land-pioneering dynamic and planters have tended to recruit in-migrants as workers or on limited-term farming contracts. Non-indigenes were about 30% of population in the 1960s and 1970s (Diaby 1996). Today, non-autochthones represent the majority of the population in many villages of Abengourou department. Even so, and in contrast to the two other regions, autochthonous inhabitants of the region have the upper-hand politically at the village and sous-prefectural level.

The Dept. of Abengourou has been included as a pilot zone in all the village demarcation and land certification projects since the 1990s, partly because the central

government and foreign donors have seen local conditions as propitious for success. Where chiefs and Agni notables bought into village demarcation and land certification, the hierarchical structure of relations between villages within *sous-prefectures* (former cantons), and within village territories and villages, has indeed facilitated these operations. However, in some localities, village demarcation and land certification under pilot projects encountered push-back. The spectre of land taxation, non-respect of inter-village hierarchy or encroachment on established forms of land authority, the possibility of erosion of customary land rights or reduction of territory under autochthones' control, aversion to direct state control over landholdings at autochthones' expense, and resistance to dividing-up lineage or family land holdings made some local authorities reticent and diverted the projects to other localities (see also Koffi Kouassi 1999).<sup>29</sup>

Land certification in 2008-2010 under DP3 began in a village near Niablé, producing 60 land certificates, approximately 90% of which went to Agni landowners (average parcel size, 50 ha). Resumption under the DP4 program in 2015 targeted four villages, and in two years delivered about 970 land certificates (out of a total of 1034 for the Abengourou department) covering 12,000 hectares of land. Most certificates in the DP4 program went to Agni families (about 74%). Most of the rest were issued to long-established in-migrants whose parents or grandparents had received land grants from Agni chiefs or lineage heads during the colonial period, or in the first two decades of independence. (Fourteen percent of the program-sponsored certificates went to non-Ivoirians and another 8-10% went to Ivoirians with non-Akan Ivorian surnames.)<sup>30</sup> Recent in-migrants, however, did not fare so well. Those who purchased access to land in recent decades and/or were in long term land-sharing arrangements with autochthonous families (such as land- or crop-sharing *abusan* or *diochamché*), experienced an erosion of their bargaining power and their ability to claim permanent and transferable land rights, either because their land was certified in the name of

the original (autochthonous) landholder or because of the general shift in local *rappports de force* against them.<sup>31</sup>

Certification dynamics reflected a configuration of regional power and social hierarchy that is specific to this region, as anticipated in arguments sketched in Part I. Chiefs invited the pilot programs to work in their villages, and chiefs, male lineage heads, and long-established in-migrants who had been assimilated into the local notability controlled the CVGFR. Formal certification procedures were followed only roughly in many cases; state agents implementing the project preferred to work within the existing "well structured" social hierarchies. Where autochthonous landholders did not want to surrender land to in-migrants seeking to register parcels, they resisted certification and sometimes the certification process as a whole.<sup>32</sup> Some Agni individuals and families in DP4 villages did not participate in the certification project for this reason, and some villages were not selected for DP4 because cantonal or village authorities were cool on certification on the basis of the same rationale. One village dropped out of the pilot project because the CVGFR turned out to be divided on this issue.

Social hierarchy within a still largely agrarian society defined winners and losers of certification and titling, and thus went far in shaping preferences in this region. As Koffi Kouassi realized in his 1999 study of an earlier land-rights assignment and securisation project, the autochthones retained the initiative. There is no open land frontier in this region and Agni families who certified properties often reasserted rights to family or village lands that had been ceded in recent decades to in-migrants via informal purchases, loans, or land-sharing contracts. Large family holdings are considered characteristic of this region (with holdings of 100, 200, or 300 ha not uncommon), but the modal size of parcels registered under the DP4 program appears to have been about 10 ha. The certification projects thus appear to have contributed to more general processes of fragmentation of lineage land into

nuclear-family (or individual) holdings. Thirty percent of all DP4 land certificates in this region were collective certificates. On the basis of a review of 156 dossiers, we estimated that the collective certificates included an average of about five persons (with about one-third of collective certificates listing only one name).<sup>33</sup> Certification thus probably strengthened leading individuals' land prerogatives vis-à-vis those of lineages, families, female family members, and youth. Many interviewees in the latter categories expressed frustration over their inability to benefit from the pilot certification project. By contrast, autochthonous youth and non-resident *cadres* belonging to locally-influential families could benefit from certification when their parents were able to register land for the nuclear family and to recover land ceded in the past. Some Agni women with their own cocoa or hévéa plantations (typically inherited from their fathers) did certify their parcels under their own names through the DP4 program (15% of all titles delivered).

Recent in-migrants (approximately since the 1980s) got the short-end of the certification stick in the pilot project. Many farmers in this region hold wide variety of informal documents ("petits papiers") attesting to land sales, some signed by sous-prefets and other state agents. These documents are often underspecified, typically not saying whether the buyer purchased the land, the trees, or the crops growing upon it, or time-limited use rights only. (This phenomenon is also widely documented in Daloa region.<sup>34</sup>) In such cases in Abengourou, when autochthones wanted to certify the land for themselves in the context of DP4, past transactions were often interpreted in the autochthones favor to mean that the land itself had not been sold. (The opposite arbitrage was the norm in Daloa.) Similarly, in Abengourou where the Agni customary landowner who originally ceded the parcel is no longer living, the transaction with the in-migrant was often considered *caduc*. Migrants who obtained land through sales or loans in recent decades have thus experienced an erosion of their right to sell this land (to anyone but the customary landowner), or to pass it on to their

heirs without permission of the customary landowners. In the course of the DP4 project, autochthonous landowners and state agents appear to have been united in their interpretation of customary land institutions and land transactions of the last few decades to the autochthones' advantage.

Although there is little indication that new land certificate holders in the Abengourou region have moved to immatriculation and land titling, some did express desire for more private options for land certification at accessible cost. They would like to not depend so heavily on government agents and contractors, and erratic certification project cycles. Comparing across regions, there is a stark difference between Abengourou landowners' hope for more private certification to consolidate their advantage, the fear of customary rights holders in Agboville that they will lose out in a race to land certification in which the land will go to those who can afford to pay for it, and perceptions of land certification in Daloa, where autochthones see themselves as the losers in a process that is stacked against them.

## CONCLUSION

Of the 4,500 CF delivered through the end of 2018, our focus has been on the land certification pilot project zones where certification was undertaken no direct charge to the landholder, accounting for about half of all certificates delivered in Côte d'Ivoire as of mid-2019. We were thus able to observe "demand for certification" in village settings in which the cost constraint was lifted from the landholders. There was considerable heterogeneity in village residents' response to the the titling project, both across regions and across social categories. Our observations suggest that uneven or ambivalent demand for registration can arise from perceptions of political, social, and economic risk; fears of exclusion; differing preferences around the institutional design of tenure reforms; and tensions arising from the uneven distribution of costs and benefits associated with certification and titling. These are,

in part, *regional* effects that are shaped by uneven development of the national economy, histories of differential incorporation into the national project, and the spatially-uneven histories of land politics in each region. Concerns about the risk of exclusion, and conflicts over legitimate land ownership and the locus of "customary rights," can be serious fetters on certification. Scaling-up to the regional and national level, these contribute to divergent regional preferences of autochthones (as well as of in-migrants) and regionally-specific patterns of politicization around land registration and titling. Such concerns may have strongly political overtones, and be politicized, at the local and regional level.

This study has not discussed the *other* 2,000 CFs delivered in Côte d'Ivoire since 2011 -- i.e., those obtained outside the of the pilot certification programs, at private cost to the *demandeurs*. What is known about these? Tarrouth and Colin (2016) have shown that the biggest take-up is in the Agboville-Sikensi region (where investors are planting *hévéa*) and in Assinie/Assinie-Mafia, a touristic region along the coast east of Abidjan. These are regions with weak traditional rights and high levels of land commercialization. Informed estimates corroborated by our analysis of land certificates immatriculated in the *Journal Officiel* in 2017 and 2018 indicate that about 85% of the non-project CFs are going to individuals who reside in Abidjan (cadres, fonctionnaires, opérateurs économiques). By the end of 2018, privately secured land certificates (44% of the total) covered almost five times the land area, and were issued for parcels that were, on average, approximately five times as large (66 ha. compared to an average of 12 ha in the pilot certification projects discussed above).<sup>35</sup> This reveals a class-consolidation aspect of the land certification and titling processes that can be understood as layering onto the regional and local dynamics that have been the focus of our analysis.

Land rights formalization has been characterized by land securisation advocates and political scientists as providing a private good for beneficiaries -- that is, as a type of pro-poor

distributive politics, akin to the delivery of electricity or education. But as Bhattacharyna et al. (2019: 53) argue in a review of land tenure reforms world-wide, certification initiatives may not improve tenure security for all land-rights holders, are not always pro-poor. In African countries, land rights formalization is taking place in the absence of pro-poor mobilization, and in national contexts of high interpersonal and spatial inequality. Top-down drivers of land certification are strong, and these are likely to relate strongly to the quest for consolidation of territorial control, and the quest for asset-creation through the opening of land-markets. Often an explicit goal is the eventual transfer of land to investors. Such programs may have (re)distributive implications that cleave rural societies along the lines of preexisting social and regional inequalities, and that may overturn previous land tenure institutions in ways that create losers and fuel grievances. This helps explain push, pulls, and push-backs around land certification that we observe across the regions of southern Côte d'Ivoire and in other contexts in Africa.

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Table 1: DP4 Programme de Certification Foncière (2017 estimates), CFs delivered

Dept.	Target ha, project	CFs requested ( <i>demandés</i> )	CFIs and CFCs delivered (total)	CFIs issued to women	CFCs	Certificates to non-Ivoiriens (of the total)	Certificates to all non-autochtones, estimate <sup>a</sup>	Total land certificates (project and non-project)
Daloa	5,000	1101	699	26 (3%)	89 (13%)	197 (28%)	(> 70%)	768 (2018)
Agboville	4,000	453	341	16 (4%)	120 (40%)	57 (15%)	(> 50%)	640 (2017)
Abengourou	12,000	1034	972 <sup>e</sup>	146 (15%)	325 (32%)	137 (14%)	(~ 25%) <sup>b</sup>	1213 (2017)
Agnibilikro (not studied)	7,000	426	0 <sup>c</sup>	37	--	--	--	n.a.
Totals	28,000		~ 2012	225 <sup>d</sup>	663 (33%)	194 (9%)		~ 4,500 (2018) country-wide

<sup>a</sup>Estimate based on authors' surname analysis only.

<sup>b</sup>Does not include Baoulé names

<sup>c</sup>Abnibilikro: 124 parcels demarcated but CFs not issued.

<sup>d</sup>As of May 2019, 401 CFs had been delivered to women countrywide, out of a countywide total CFs of 5,550.

<sup>e</sup>plus about 190 in Abengourou from the DP3 and APROMAC projects

Source: Various unverified Ministry of Agriculture DFR and DRA documents obtained by authors, 2015-2019.

Map: Study zones in Côte d'Ivoire



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NOTES

<sup>1</sup> See De Soto 2000, for example.

<sup>2</sup> For a review and critique, Boone 2019.

<sup>3</sup> Some recent examples are D'Arcy and Nistotskaya 2019: 295; Albertus 2015; Hassan and Klaus 2019.

<sup>4</sup> For example, Ali, et al., 2014; Deininger, Hilhorst, 2014: 79; Firmin-Sellers and Sellers 1999.

<sup>5</sup> See République Côte d'Ivoire 2017: 8.

<sup>6</sup> These factors are highlighted by Kjaer (2017:6) and Joireman 2007. INADES (2015: 25) reports 2015 survey results suggesting fairly prevalent awareness of the 1998 land law across southern Côte d'Ivoire.

<sup>7</sup> Landholders paid the costs of clearing parcel boundaries so that surveyors could pass through.

<sup>8</sup> See for example, Berman and Lonsdale 1992; Klopp 2002; Honig 2017; Lavers 2017; Klaus 2017; Colin, Le Meur, et Léonard 2009; Lavigne-Delville, 2009; Lavigne Delville et Moalic 2019, Fatema 2019.

<sup>9</sup> See for eg. Dozon 1985; Affo Yapi 1987; Chauveau 2000, 2003, 2009; Koné 2006, Kouamé 2016; Tarrouth and Colin 2016; Ruf 2012, 2013, Montaz 2017; 2015.

<sup>10</sup> There is a large literature, including Cotula and Toulin 2004, Chaveau, 2000, 2003: 353 *inter alia*; Montaz 2017. See also note 8.

<sup>11</sup> The original PNGTER program (Projet National de Gestion et d'Équipement Rural) continued under the late Gbagbo regime as the PNSFR (Programme National de Sécurisation du Foncier Rural) in 2006-10.

<sup>12</sup> The scope was later extended to Agboville, where village delimitation began after 2011.

<sup>13</sup> See note 28.

<sup>14</sup> Inades-Formation (2015:19) reported that during DP3 pilot land certification in Soubré in 2009-2011, only nine CF were delivered. We could not find a record of these. No CFs were delivered in Daloa under DP3. "Ces échecs font penser à une opposition des populations à l'application de la loi foncière" (ibid 2015: 19-20).

<sup>15</sup> Some villages that put forward *demandes* were not selected as project villages.

<sup>16</sup> Firmin-Sellers and Sellers (1999: 1119) and Askew and Odgaard (2019) and many others have found that registration and titling tends to reinforce men's leverage against women's claims. See Irigo 2020.

<sup>17</sup> A new agency, AFOR, was created in 2016 to accelerate land registration and titling. With a USD 50 million infusion from the World Bank, it aimed to deliver 50,000 CFs within five years.

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<sup>18</sup> We selected project villages targetted by the Ministry of Agriculture. The non-project villages in Daloa were DP3 villages. In Agboville, all four were in a 40 km radius to the south and west of Agboville city. In Abengourou, the non-project villages were adjacent to the project villages.

<sup>19</sup> A prominent voice is Inades-Formation 2015, 2017. See Inades *Alerte Foncier* 2018. See also Varlet 2014.

<sup>20</sup> According to official figures, Gboguhé's population in 2014 was 25.6% autochtones, 40.13% allochtones (Ivoiriens outside their "zone of résidence"), and 34.2% allogènes (non-Ivoiriens) (Dion 2020: 21).

<sup>21</sup> In one of the DP3 project villages, 50 CFIs were eventually delivered.

<sup>22</sup> In Daloa SP, there were 89 private demands for CFs (3 for collective certificates).

<sup>23</sup> Some argue that the in-migrants are more motivated to demand CFs. We suggest that this only results in actual demands under a permissive local political climate, as the Daloa-Abengourou contrast suggests.

<sup>24</sup> See Dozon 1985, Montaz 2017, Balac 2016. See also Dion 2020.

<sup>25</sup> Out of a total of 760 (2014) for all of RCI, followed by Abengourou Dept., with 86 CFs.

<sup>26</sup> In Sept. 2019, the DP4 certificates represented 30% of the total certificates in this department.

<sup>27</sup> From Lestang 2018 and our own surname analysis.

<sup>28</sup> On 20 June 2019, the Ivoirian National Assembly voted to redefine the "life span" of the CF as indefinite. This move will be welcomed by land-rights securisation proponents.

<sup>29</sup> Many of interviewees said they would pay a moderate and predictable land tax if the state set a fair producer price for cocoa.

<sup>30</sup> We were not able to differentiate Baoulé and Agni surnames.

<sup>31</sup> Koffi Kouassi (1999: 92-4) observed the same phenomenon.

<sup>32</sup> Ministry of Agriculture agents argued that many non-Ivoirian plantation owners would rather enter into a leasing contract with the state than remain dependent upon the indigenous families. "The non-autochtone would prefer to be in direct relation with the state." Often autochtonous families viewed this as surrendering family lands to the government.

<sup>33</sup> Approximately 695 persons are named on these 156 CFCs; 32% are women.

<sup>34</sup> See for example Koné 2006b, Balac 2016:52.

<sup>35</sup> Source: N, L./CC TabRecap, 2018. From other official but provisional sources, mid-2018, we estimate 51 ha. As of April 2015, the av. parcel size was 54 ha (for 765 CFs)(Min. Agri.DFR, Enregistrement, 15 April 2015. The mode was 200 ha but there was clear split between these large parcels and small ones (>5 ha.) at Assini and Bassam.

