

THE CHINA NATIONAL TOBACCO CORPORATION: FROM DOMESTIC TO GLOBAL DRAGON?

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ABSTRACT

The China National Tobacco Corporation (CNTC), which produces one-third of the world's cigarettes, is the largest tobacco company in the world. Over the past sixty years, the CNTC has been focused on supplying a huge domestic market. As the market has become increasingly saturated, and potential foreign competition looms, the company has turned to expansion abroad. This paper examines the ambitions and prospects of the CNTC to "go global". Using Chinese and English language sources, this paper describes the globalization ambitions of the CNTC, and its global business strategy focused on internal restructuring, brand development and expansion of overseas operations in selected markets. The paper concludes that the company has undergone substantial change over the past two decades and is consequently poised to become a new global player in the tobacco industry.

KEYWORDS

China, Tobacco industry, Globalization, Global business strategy, Tobacco control

INTRODUCTION

With nearly one-third of the world's smokers (300 million), and 40% of global tobacco production (2.5 trillion cigarettes), China has the largest tobacco industry in the world (Li, 2012). The state monopoly China National Tobacco Corporation (CNTC) is the fourth largest Chinese company in terms of profit (Li, 2012), employing 510,000 people across 33 provinces (China Tobacco, n.d.), and contributing 7-11% of government tax revenues annually (Han, 2013). On a global scale, CNTC profits exceed British American Tobacco (BAT), Philip Morris International (PMI) and Altria combined (Bloomberg News, 2012). Despite the size of the Chinese industry, given its domestic orientation, analyses of tobacco industry globalization to date have focused on leading transnational tobacco companies (TTCs) (Lee et al., under review).

Following accession to the World Trade Organisation (WTO) in 2001, and facing growing saturation of the domestic market (Zhou & Cheng, 2006), the CNTC declared ambitions to 'go global' (Euromonitor, 2008). The limited scholarly attention to globalization and the CNTC to date has come largely from business studies (Wang, 2009). This paper examines the global business strategy of the CNTC as a global public health challenge. Using Chinese and English language sources, this paper describes the globalization ambitions of the CNTC, its global business strategy focused on internal restructuring, brand development and expansion of overseas operations in selected markets. The paper assesses the extent to which this strategy has been successful to date, the likely prospect that China will join the ranks of existing TTCs, and the implications for tobacco control worldwide.

BACKGROUND

Tobacco was brought to China by trading merchants during the sixteenth century. Leaf cultivation was firmly established by the mid 1800s, and smoking from the late nineteenth century with the automation of cigarette manufacturing. During the first half of the twentieth century, the industry was dominated by BAT with 82% of market share (Tong, Tao, Xue, & Hu, 2008), and a handful of domestic companies (Benedict, 2011). Political instability and conflict over decades undermined attempts to regulate the industry (STMA, 1997).

BAT was required to leave China in 1953 given the industry's nationalization following establishment of the People's Republic of China (Lee, Gilmore, & Collin, 2004). The domestic industry grew rapidly, with the building of many small factories, increasing annual cigarette

production on average 11% annually between 1949 and 1958 (Benedict, 2011). However, the industry was also highly uncoordinated, controlled at the provincial level by local monopoly offices reporting to ministries of light industries, commerce and other financial entities (STMA, 1997). The Great Leap Forward (1958-1960) and ensuing famine (1959-1961) slowed production to 5.1% annually (Benedict, 2011). In 1963, the China Tobacco Industrial Corporation was established to try to achieve greater efficiencies through centralized management of procurement, production and sales (STMA, 1997). Production and revenues rose dramatically, and tobacco taxes remitted increased from 4.1 billion RMB from 1958-1962, to 5.6 billion RMB from 1963-1966 (STMA, 1997). The corporation was dismantled in the wake of the Cultural Revolution in 1966 (STMA, 1997) and the industry reverted to its former fragmented structure.

Economic reforms under the Open Door Policy, from the late 1970s, allowed imports of new technology and knowhow (STMA, 1997). To reassert central control, the CNTC was formed in 1981 to manage the 28 provincial companies (State Council, 1981). Profits and tax revenues were distributed among the central and provincial governments, CNTC and various subsidiaries (State Council, 1981). In 1983, the State Council established the State Tobacco Monopoly Administration (STMA) as the industry's administrative and regulatory body (State Council, 1983). Formally separate entities, in practice the CNTC and STMA are 'one institution with two name plates' (STMA, 1997) governing the industry through a vertical bureaucracy (Wang, 2009). The CNTC undertakes central planning, manages raw materials, sets regional production quotas for leaf and products, and is the umbrella company for provincial firms. The STMA administers and regulates the national monopoly (STMA, 1984), with parallel structures at the provincial level governed by municipal and provincial authorities (Zhou, 2004) (Figure 1).

[INSERT FIGURE 1 HERE]

METHODS

The paper adopts the framework set out in Lee and Eckhardt (this issue) to organize and analyse the factors assessing the global business strategy of CNTC including the key factors driving the strategy, key tactics used, and the extent to which the company has succeeded to date. The

primary and secondary data sources were compiled into a chronological narrative according to these three questions.

We began by searching Google Scholar and Baidu Scholar to review the limited scholarly literature on the Chinese tobacco industry from public health, business studies and other relevant fields. Chinese-language secondary literature (dissertations, articles and industry reports) was identified through the China Knowledge Network. These sources were used to map the industry's history and changes to its structure over time.

To understand the global business strategy of the Chinese industry, we searched the websites of the CNTC (<http://www.tobacco.gov.cn>), and industry news sites, *Tobacco China* (<http://www.tobaccochina.com>), *Tobacco Market* (<http://www.etmoc.com>) and *China Tobacco* (<http://www.echinatobacco.com>). The *China Tobacco Yearbook* (1981-2014) was reviewed for information on key strategies and annual industry performance. The *China Law Education* website was searched for official decrees and statements related to the tobacco industry. To triangulate Chinese source data, we searched Google and Baidu for news on the globalization ambitions of the Chinese industry. We also searched other English-language business news sources, notably *Euromonitor*, *Tobacco Journal International* and *Tobacco Reporter*. We sought information on industry restructuring, mergers and acquisitions (M&A), joint ventures (JV), foreign direct investment (FDI), target markets and product development. The searches used the keywords “China National Tobacco Corporation”, “Chinese tobacco industry” and specific company names combined, using Boolean terms, with such terms as ‘global*’, ‘strategy’, ‘foreign’, ‘trade’ and ‘investment’. The international database UN Comtrade (<http://comtrade.un.org/>) was used to compile Chinese tobacco trade data.

The paper does not draw on industry documents held in the Truth Tobacco Documents Library (TTDL). These were previously searched to understand market access strategy by TTCs into China (Lee, Collin & Gilmore, 2004; Lee & Collin, 2006; Zhong & Yano, 2007; Holden et al., 2010). While mentioning CNTC as a TTC competitor, the collection is limited to TTC documents dating primarily before the mid 2000s. Thus, they do not cover the CNTC's expansion plans.

While English and Chinese language sources are consulted, the available data has three limitations. First, as a government-controlled monopoly, the CNTC is not required to report as a public company (e.g. annual report to shareholders). Chinese data is thus limited in scope and

content. Second, official Chinese data is government controlled and not verified by independent sources. Much secondary analyses, in turn, are based on official sources. Third, we found inconsistencies in data on key indicators from different sources. To address these three caveats, triangulation of multiple data sources was undertaken where possible. The compiling of trend data drew on the same sources where available for consistency.

FINDINGS

What are the key factors behind the CNTC's global business strategy?

China's export-led growth, and status as the "world's factory" (Zhang, 2013), faced growing competition from lower-wage emerging economies by the late 1990s. In 1998, President Jiang Zemin called on Chinese companies (including state-owned enterprises) to improve product development, pursue foreign markets, and establish manufacturing abroad (CCPIT, 2007). This policy was named the 'Go Global' strategy in 2000 (CCPIT, 2007).

Tobacco industry interest in foreign expansion was first raised following China's signing of the General Agreement on Tariffs and Trade (GATT) in 1993. As stated by STMA Director Jiang Ming, to ensure long-term development of the tobacco industry, 'we must follow a "Big Tobacco" strategy' (Huang, 1993). He envisioned the establishment of overseas companies and diversification into non-tobacco sectors (Huang, 1993). Similarly, CNTC Director Xun Xinghua declared that the industry was 'seizing all opportunities to expand and occupy foreign markets' (Anon, 1993). Given continued exclusion of TTC competition by the Chinese import quota system (Lee et al., 2004), and size of the domestic market, initial industry efforts were limited.

The industry anticipated change following WTO accession. As Holden et al. (2010) describe, TTCs pressed hard to access the closed Chinese market during accession negotiations. Import quotas remained in place, but import tariffs were reduced from 70% in 1996 to 25% in 2004, along with opportunities for wider distribution of foreign brands. Tobacco imports rose in value and quantity from 2001 (Table 1). Given potential erosion of domestic market share, as in Japan and Taiwan, along with China's signing and later ratification of the Framework Convention on Tobacco Control (FCTC), firmer plans were made to 'make up for domestic losses overseas' (Zhou & Cheng, 2006). In 2003, the industry was called upon to 'actively implement the 'go global' strategy to establish stable international markets' (STMA 2004),

coinciding with the removal of the requirement for retail permits to sell foreign cigarettes in China (Tong et al., 2008).

[INSERT TABLE 1 HERE]

Applying Dunning and Lundan (2008), the industry can be seen to have shifted sharply since the mid 2000s, from largely domestic-focused, to increasingly outward-looking in four ways. First, CNTC is a ‘natural resource seeker’, as the industry aims to source quality leaf to bring its products in line with TTC brands. Establishing local leaf procurement companies in key tobacco growing regions of Brazil, Zimbabwe and the US ensures a steady supply to feed growing industry needs both domestically and abroad. Second, CNTC is a ‘market seeker’. CNTC has been exporting since the 1980s, but the scale and reach of exports since the late 2000s suggests a more concerted strategy. Third, CNTC is an ‘efficiency seeker’, setting up overseas operations in key strategic areas to target specific markets. Seeking to further decrease operational costs for greater profit margins, CNTC’s overseas operations strive to use locally-grown tobacco leaf and hire locals where possible, thereby increasing efficiency through removing cultural and language barriers. The strategic location of major offshore production bases in each region is a clear indication of efficiency seeking. Fourth, CNTC is a ‘strategic asset seeker’, as it monitors foreign markets seeking investment opportunities for business growth through mergers and acquisitions. The CNTC’s globalization efforts are expected to intensify.

Which global business strategies have CNTC pursued?

The restructuring of the Chinese tobacco industry

High profits and tax revenues sustained government support in China for cigarette manufacturing at the provincial, municipal and county levels over many decades. Provincial governments also introduced protectionist measures in the 1990s, including near monopolies, to protect local companies regardless of productivity and efficiency (Wang, 2009). The result, a crowded and fragmented industry, was seen by the STMA as problematic ahead of WTO accession and foreign competition. Structural reforms, described as ‘grasping the large and letting go of the

small' (Wang, 2009), were introduced to boost efficiency, productivity and product quality. Tobacco companies were put into four categories (STMA, 1998):

- large firms with annual profits > RMB 100 million (US\$12.08 million) and production > 500,000 cases¹ of cigarettes (major inter-provincial/regional enterprises);
- medium firms with potential production of > 300,000 cases annually (major provincial/regional companies);
- small firms with production of 100,000-300,000 cases annually (to merge with other firms or close depending on performance); and
- poorly performing firms with production of < 100,000 cases annually (to declare bankruptcy).

Between 1998 and 2009, this consolidation reduced the number of companies to one-sixth (Figure 2).

[INSERT FIGURE 2 HERE]

The industry at the provincial level was also restructured into three distinct entities - industrial companies, tobacco companies, and local monopoly bureaus (Zhou, 2004). *Industrial companies* centralize the management of manufacturing and allow pooling of resources among factories (Tong et al., 2008). *Tobacco companies* are concerned with the sale and distribution within the province of all tobacco products regardless of where they are produced. *Local monopoly bureaus* regulate and administer the industry at the provincial level (Xu & He, 2003). This restructuring supported the STMA's vision of fostering 'large-scale enterprises, big brands and large markets' (Zhou, 2004). For example, the removal of provincial protectionism allowed provincial manufacturers to sell their brands nationally, fuelling domestic competition and, in turn, product and brand development, and the expansion of successful companies (Wang, 2009). Provincial tobacco companies, delinked from manufacturing and now reliant on sales, only purchased products that sold well (Xie, 2003). Corporate governance reforms were also accelerated in 2005, with manufacturing facilities becoming limited liability companies led by boards of directors (Liu, 2006).

¹ One case contains 50,000 sticks of cigarettes

In 2003, Anhui became the first province to implement these reforms by establishing Anhui Tobacco Industrial to manage the assets of five manufacturers (Zhou, 2004). The same year the first inter-provincial industrial company was formed, between Sichuan Province and Chongqing city, consolidating their manufacturing into Chuanyu Industrial. By 2004 sixteen industrial companies were established (Li, 2006). In 2003 the Beijing Cigarette Factory split from Beijing Tobacco Company to merge, along with the Tianjin Cigarette Factory, with the Shanghai Tobacco Group (Zhou, 2004). In 2008, a ‘merger of two giants’ occurred between Yunnan’s Hongyun and Honghe Groups, forming the Hongyun Honghe Tobacco Group. With annual sales of over 4 million cases, Hongyun Honghe is the world’s fourth largest by sales volume after PMI, BAT and Japan Tobacco International (JTI) (Anon, 2008).

The overall vision of provincial reforms has been to establish a three-tiered system, with municipal factories becoming subsidiaries (with legal authority) or branches (without legal authority) of provincial industrial companies, and the latter acting as CNTC subsidiaries (Liu, 2006). The aim has been to reduce local government power over the industry, and increase competition across the same tiers in the industry, by dismantling its vertical structure and bureaucracy (Wang, 2009). Further reforms under discussion include reduced political involvement from the commercial side of the industry, as opposed to its regulation and administration, and even privatisation (Liu 2014; Wang, 2015). However, given the economic and political importance of the industry, including its significant contribution to public revenues, wholesale privatisation is unlikely to precede the pursuit of a global business strategy in the near future (Wang, 2015).

Overall, restructuring of the Chinese tobacco industry since the early 2000s has been seen by industry sources as a key strategy for CNTC to become globally competitive. It is believed that CNTC may follow in the footsteps of JTI, eventually pursuing public listing for the most successful firms, but remaining part owned by government (Anon, 2003). Five domestic giants from three regions have emerged through these reforms: Hongta Group and Hongyun Honghe Tobacco Group in Yunnan Province; Shanghai Tobacco Group (STG); and Changsha Tobacco Group and Changde Group in Hunan Province (Wang, 2009).

Product development: Brand consolidation and premiumization

To enhance global competitiveness, Chinese product development involved three strategies: consolidation of brands into a smaller number with mass appeal; adaptation to appeal to foreign markets; and higher value-added premium products. First, historically, a large number of Chinese companies manufactured thousands of local brands at many different price points (Anon, 2014). The number of brands was dramatically reduced, to a few with broader appeal, to improve economies of scale and enable marketing abroad. In 2001, STMA selected 36 brands to support through advantageous policies such as priority access to raw materials and technology. The result was an increase to 11% market share within two years (Zeng, 2010).

In 2004, STMA announced plans to limit mid- and higher-priced brands to one hundred within three years (STMA, 2004). In 2006, this became known as the ‘two by ten’ strategy with plans to have *ten* large-scale manufacturers produce *ten* key brands. In 2007 the so-called ‘two leaps’ was emphasised whereby leading provincial brands were encouraged to enter the national market, and strong national brands to enter the global market (Zeng, 2010). This was followed in 2010 by the ‘235’ strategy, to develop *two* brands selling over *five* million cases; *three* brands selling over 3 million cases; and *five* brands selling over 2 million cases (Zeng, 2010), and the ‘461’ strategy, with twelve brands to earn revenues over RMB 40 billion (US\$5.87 billion), six brands over RMB 60 billion (US\$8.80 billion), and one brand over RMB 100 billion (US\$14.7 billion) by 2015 (Zeng, 2010).

By 2013 consolidation had reduced cigarette brands from around 2000 in the late 1990s, to 90 (Figure 3). These remaining brands held larger domestic market share. By 2010, seven brands exceeded US\$4.4 billion in annual sales, with five brands - *Hongtashan*, *Baisha*, *Double Happiness*, *Furongwang* and *Chungwa*, seeking to sell over 5 million cases (US\$14.7 billion) annually (Zeng, 2010). As well as fending off global brands such as *Marlboro* in the domestic market, consolidation aimed to create global Chinese brands for foreign markets. In 2013, CNTC sold 70 billion sticks overseas comprising 74 brands. This was reduced to thirty brands by 2014, with many tailored to key markets (Feng J, 2014).

[INSERT FIGURE 3 HERE]

Alongside consolidation, CNTC has pursued a strategy of premiumization since 2008. In China, luxury brand cigarettes are an important currency of *guanxi* (a system of social

networks and influential relationships to facilitate business and other dealings). Premium brands enjoyed rising sales, as the economy boomed, with manufacturers releasing luxury versions of familiar brands or new brands. In 2012, luxury brands sold over 2 million cases and enjoyed a 20% increase from the previous year (Anon, 2013). Despite an STMA price cap, anti-corruption measures and public smoking ban for government officials (China News, 2014), production and sale of luxury brands continued to rise (Feng W., 2014). Market share grew, from 6% in 2007 to 25.2% in 2014, the only segment to see growth in 2014. Mid-priced products saw modest growth, while the economy segment fell dramatically from 59.7% to 28.3% during the same period (Euromonitor, 2013; Euromonitor, 2015). Overseas, premium brands are seen as key to efforts to improve the perceived quality of Chinese products (Feng W, 2014). CNTC documents suggest it will seek to establish global brands comparable in quality and price to TTCs brands (Lu, 2014).

Expansion of Chinese cigarette exports

Chinese cigarette exports date from the creation of the China Shenzhen Tobacco Trading Centre in 1984. In 1985, the China National Tobacco Import Export Corporation (CNTIEC) was then formed to oversee trade of tobacco products, technology, and accessories, as well as international economic cooperation (STMA, 1997). However, exports remained small-scale and distributed across many different companies. From 1991-1995, CNTC exported over 100 brands to 37 countries including Virginia (flue-cured) cigarettes to Southeast Asia; blended cigarettes to Europe, USA, Russia and Africa; and herbal cigarettes to Korea and Japan (STMA, 1996). The restructuring of the industry from the mid 1990s saw the closure of several export arms of provincial companies (STMA, 1998a). Focusing on quality over quantity, underperforming brands and markets were subsequently dropped, and exports declined to an all-time low in 1998-1999 (STMA, 2000).

Looming WTO access prompted a more strategic approach to exports. In 2000 the CNTIEC was reorganized and renamed the China Tobacco Import Export Group (CNTIEG). CNTIEG became the parent company of all CNTC overseas operations and export branches of provincial companies (STMA, 2005). In 2008, CNTIEG became China Tobacco International (CTI), focused on supporting 'CNTC's strategic need to "go global"' (Wang, 2008). In 2011 the first annual meeting on tobacco market expansion was held which adopted a three-step strategy

for export growth: (a) market entry and establishment of a distribution network; (b) licensed production by local manufacturers; and (c) establishment of local production facilities (Ju, 2011). At the 2013 meeting, five export manufacturing facilities in Shanghai, Guangdong, Yunnan, Hunan and Zhejiang, and Jilin were announced (Anon, 2013a), each focused on nearby regions and ‘cultural advantage’. For example, Yunnan Tobacco would target Southeast Asia (Zhu & Tian, 2007).

Chinese exports, as a proportion of total production, remain relatively small but rising since 2004, from 4.35% to 5.08% by 2013. However, by volume this represents a 60% increase from 16.3 to 26 billion sticks (STMA, 2005, 2014), surpassing Korean company KT&G to become the world’s fifth largest exporter (Zhang & Zhang, 2013). Export value (unadjusted) has also increased, from US\$100 million in 1999 to US\$500 million in 2013 (Figure 4). In 2015, a link between the ‘One Belt, One Road’ and ‘Go Global’ strategy was announced to improve CNTC’s access foreign markets (Qing, 2015). This initiative refers to the extension of the so-called Silk Road Economic Belt, linking western China with Europe through Central Asia, to the new Maritime Silk Road from China’s southern coast to Europe via North Africa and Southeast Asia (Knowler, 2015).

[INSERT FIGURE 4 HERE]

Gaining access to foreign technology and knowhow

TTCs sought to negotiate a return to the Chinese market, as the ‘ultimate prize’, from the 1980s (O’Sullivan and Chapman, 2000). While they pressed for full or part-ownership of local manufacturing, the STMA limited joint ventures to leaf production and licensed manufacturing of foreign brands by Chinese companies (Lee et al., 2004). For example, RJR licensed the Xiamen Cigarette Factory to produce *Camel* cigarettes in 1980 (Lin, 1984). In 1991, BAT agreed to license manufacturing of *Derby* by the Wuhu Cigarette Factory, while *Rothmans* was licensed by the Shandong-Rothmans joint venture (Lai, 2009). In 1993 PMI signed licensing agreements for *Marlboro* (Shanghai Cigarette Factory) and other brands (Lai, 2009; PMI, 1993). In 1999, JTI licensed production of *Mild Seven* to Shanghai Gaoyang International Tobacco Company (Lai, 2009). Imperial Tobacco’s *West* brand was licensed to Hongta Group in 2003 (Hongta Group, 2014).

From a Chinese perspective, licensing allowed local firms to access new technology and knowhow (Lai, 2009), while keeping the industry under Chinese control. This strategy is evident in agreements with TTCs supporting the development of Chinese brands. In 1986, Huamei was established in Xiamen's Special Economic Zone (SEZ) as an equity JV between Xiamen Cigarette Factory and RJR, developing *Golden Bridge* as a leading brand by 1989 (Lai, 2009). In 1996 BAT agreed to support brand development (Lovell White Durrant, 1996) of Guangzhou Cigarette Factory's *Cocopalms* and Guiyang Cigarette Factory's *Huangguoshu Waterfalls* (Lai, 2009). BAT and Yunnan Tobacco Company agreed in 1999 to 'jointly develop and produce blended cigarettes', in addition to leaf cultivation and training (BAT, 1999). In 2000 RJR agreed to develop a jointly-owned brand for sale in China and the US (RJR, 2000). TTC hopes that these agreements would lead to greater market access were disappointed in 2006 when the government announced a ban on all new manufacturing facilities, including JVs with foreign companies, as part of stronger tobacco control measures (Ding, 2006). As PM realized, CNTC only wants 'to acquire foreign technology and management skills without giving away much to foreigners' (PM, 2002).

Establishing foreign-based operations

Foreign operations established during the early 1990s were limited in scope and focused on Asia, notably Laos, Cambodia and Myanmar. Hong Kong and Macau received substantial investment due to their SEZ status and proximity to the mainland. This began to change in the mid 2000s as the CNTC looked to expand foreign production and distribution of Chinese brands. Lacking its own networks, joint ventures were formed with TTCs to produce and distribute Chinese cigarettes abroad (CTI, 2014; Zhang & Zhang, 2013). In 2003, Shanghai Tobacco Group and Gallahers signed reciprocal trademark license agreements and, the following year, launched each other's brands in China and Russia (Gallaher, 2004). A 'long-term strategic cooperative partnership' with PMI agreed in 2005 involves licensed production and distribution of *Marlboro* in China, and the establishment of jointly-owned China Tobacco Philip Morris International (CTPMI) to launch and distribute Chinese brands in foreign markets. Based in Switzerland, CTPMI launched three so-called 'heritage brands' (*RGD*, *Dubliss*, and *Harmony*) in 2008, using PMI's distribution networks in Central and Eastern Europe and Latin America (Tobacco Free Kids, 2010). In 2012, CTPMI opened an office in the Democratic Republic of Congo to launch

heritage brands (CTI, 2014b). Similarly, CNTC partnered with BAT to form China Tobacco British American Tobacco (CTBAT) International in 2013, with worldwide rights to BAT brand *State Express 555*, and Chinese brand *Double Happiness* outside of China (BAT, 2013). Shanghai Tobacco licensed production of *Zhongnanhai*, *Golden Deer* and *Red Double Happiness* to JTI for distribution in Russia (Zhang & Zhang, 2013). Joint brands include *Win* and *Xingxin*, developed by Hongyun Honghe Group and Myanmar's Fu Xing Brothers Group (Lei, 2013), and *Zhongnanhai (Totem)* developed by Shanghai Tobacco and the Chinese-Mongolian joint venture (CTI, 2014). At the time of writing there are negotiations for a similar joint venture between Yunnan Tobacco Industrial and Imperial Tobacco (Yu, 2015).

It is expected that CNTC will soon progress to M&As of small and medium-sized foreign tobacco companies, mimicking TTCs such as JTI and Imperial Tobacco (Qing, 2015). For example, there were negotiations between Hongta Group and Donskoy Tabak in 2012 for Hongta's purchase of 0.5% share of Russia's largest national tobacco manufacturer. This would permit entry of Hongta brands into the Russian market, produced and distributed by Donskoy Tabak (Anon, 2012). While negotiations appear to have been unsuccessful, industry analysts predict that the CNTC's 'massive current account surplus built up over years means that no company is too large to be purchased for cash' (Euromonitor, 2008), a sentiment echoed by others (The Economist, 2014).

By the late 2000s, Chinese overseas supply chain has also improved. Foreign operations have been established to secure tobacco leaf from Brazil, USA and Zimbabwe. For example, land in the Zambezi region, Namibia has been leased to Namibia Oriental Tobacco to grow tobacco leaf for China, generating much controversy in a country with high levels of food insecurity (Dlamini, 2015). Shanghai Tobacco is opening a distribution centre in Singapore, with initial duty-paid target markets of Indonesia, Malaysia, Philippines and Singapore, and select duty-free markets within the region (CTI, 2014a). There is also rapid growth of Chinese offshore production with over half of the 50.4 billion sticks of Chinese cigarettes sold internationally (2011) produced overseas (STMA, 2012). This increased to 44 billion sticks (two-thirds of global sales) in 2013 (Zhang & Zhang, 2013). Located in strategically important geographical regions, these facilities (marked with asterisk in Table 2) reflect expansion plans in Latin America, Asia, Europe, the Middle East and Africa. For instance, Vinton Group and Lao Liaozhong Hongta Fortune Tobacco have established production and distribution bases in

Southeast Asia. The CTIEC targets Europe, while United Overseas (Panama) produces Chinese brands for the Americas (CTI, 2014, 2014b). The industry's focus on expanding overseas production is expected to continue, encouraged by favourable government policies (Feng J., 2014).

[INSERT TABLE 2 HERE]

Table 2 lists CNTC's portfolio of foreign operations which include distribution offices, manufacturing plants, production and distribution bases, tobacco leaf procurement, and machinery and accessory materials. Led by China Tobacco International, each investment is affiliated with a provincial industrial company (Guangdong Tobacco Industrial and Viniton Group), or municipal subsidiary (Hongyun Honghe Group and Myanmar Kokang Factory). The foreign operation produces brands of the respective parent companies or licensed production of other companies. Importantly, FDI has been coordinated to minimize competition among Chinese companies on the global market (CTI, 2014b).

How globalized is CNTC to date?

Using indicators set out in Lee and Eckhardt (this issue), and Lee et al. (in press), for which there is available data, CNTC appears poised to "go global", but its global business strategy is unlikely to follow the pattern of existing TTCs. Most notable has been the domestic restructuring of the industry, as a whole, and of individual firms. There has been substantial consolidation, to transform a highly fragmented and inefficient industry, into fewer, larger and more competitive firms with clearer geographical (national, provincial and municipal), functional (manufacturing, sales and administration) and regulatory (central and provincial STMAs) delineation. Supported by favourable government policies and substantial resources, the restructured domestic industry has achieved greater economies of scale. Moreover, while consolidating to compete with TTCs, the Chinese industry has been reconfigured in ways that minimize competition among domestic firms. The resultant structure potentially dwarfs existing TTCs and serves as a springboard for globalization.

Changes to ownership structure do not appear to be part of Chinese global business strategy for the tobacco industry. The industry is likely to remain state-owned and controlled for the foreseeable future. As observed by industry analysts,

As domestic firms in China mainly dominate the local cigarette industry, the industry's globalization level is relatively low and is expected to remain low in the future....The industry's globalization level is low due to the low foreign ownership levels of the industry's firms in China. In 2014, the share of revenue contributed by foreign-funded enterprises (including those from Hong Kong, Macau and Taiwan) is expected to be only 0.1% of the industry's total. The Chinese Government largely controls China's tobacco sector and limits the investment of foreign manufacturers in China (IBIS World, n.d.).

While open to adopting foreign technology and expertise since the 1980s, and pursuing joint ventures and other forms of FDI (spanning two SEZs and twenty countries across all continents except Australia by 2015, and leaf growing in Africa), the domestic industry has remain firmly under Chinese ownership (Figure 7).

Another indicator of globalization is product development to promote a small number of Chinese 'heritage' brands overseas, as well as premium brands. These are likely to appeal to overseas Chinese, rather than serve as global brands, given their close affinity with Chinese cultural tastes and practices. The development of new brands, to appeal to a wider global market beyond Chinese diasporas, is likely to increase via joint ventures with existing TTCs.

[INSERT FIGURE 6 AND 7 HERE]

Finally, trends in exports suggest an increasingly outward looking Chinese industry. Exports have grown rapidly by volume (Figure 7) following the establishment of five export manufacturing facilities in 2013. A target of 8 million cases by 2020 was declared in 2014 with the aim of catching the sales volumes of leading TTCs (Anon, 2013a; Lu, 2014). This data excludes overseas production which has also risen sharply since 2008, reaching 1.57 million cases in 2014 (Qing, 2015). Export markets have also begun to diversify beyond Asia. While Asia remains a priority region, with the largest number of overseas operations, markets in Latin America, Eastern Europe and the Middle East are clear targets.

DISCUSSION

Previous analyses of the global tobacco industry recognize the importance of, but generally exclude, the CNTC because of its strong domestic focus. The findings of this paper suggest, however, that the Chinese industry has been steadily positioning itself to become a global player since the late 1990s. While the Chinese tobacco industry is likely to remain, in the medium term, primarily dependent on its huge domestic market of 350 million smokers, indicators suggest the emergence of a new Chinese TTC in the next decade.

This analysis shows that the “go global” ambitions of the Chinese tobacco industry have been spurred by both internal and external forces. Domestically, the market has neared saturation among adult males with 53% smoking prevalence rates. Future growth is likely to come from population growth and increasing female smoking rates (currently 2.4% for adult females). However, ratification and implementation of the FCTC since 2005 has increased support for the adoption of stronger tobacco control measures, albeit tempered by weak political will and enforcement. Although important changes have been made to strengthen tobacco control legislation, “major gaps still exist compared with FCTC requirements” (Li, Ma, Xi, 2016).

Externally, following WTO accession in 2001, it was anticipated that market opening would bring greater foreign competition like in other Asian countries. This, in turn, would lead to a gradual shrinking of domestic market share. To date, however, the Chinese government has retained a firm grip on the industry and market access, limiting joint ventures to technology transfers and leaf development and, more recently, reciprocal production and distribution agreements. More influential has been the broader support, in Chinese economic policy, for the ‘go global’ strategy as key to the country’s emergence as a global economic superpower. The sheer size of the Chinese tobacco industry compared to existing TTCs, and thus its potential to generate significant foreign earnings, has prompted the government to promote the industry’s expansion overseas.

If even partially realized, the global ambitions of the Chinese tobacco industry will have profound impacts for public health. The Chinese industry is advantaged by sheer size, weak domestic regulation and government support for overseas expansion. If successful, this will lead to increased global competition on price, new products and intensified marketing, all resulting in increased tobacco consumption. Beyond the WTO, there is much uncertainty to how tobacco will be handled in key negotiations for major trade and investment agreements such as the Trans Pacific Partnership (TPP). As CNTC increasingly mimics the globalization strategies of TTCs,

there is a need to now include China, along with other emerging TTCs, into global tobacco control efforts.

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Table 1: Value and quantity of tobacco product imports 2001-2015

Year	Import value (US\$)	% growth	Import quantity (tons)	% growth
2001	33,353		1,788	
2002	25,866	-22.45%	1,374	-23.15%
2003	38,460	48.69%	1,883	37.05%
2004	51,734	34.51%	2,568	36.38%
2005	52,448	1.38%	2,836	10.44%
2006	50,275	-4.14%	2,715	-4.27%
2007	60,573	20.48%	3,843	41.55%
2008	67,212	10.96%	4,010	4.35%
2009	76,345	13.59%	4,513	12.54%
2010	75,464	-1.15%	3,534	-21.69%
2011	78,442	3.95%	3,658	3.51%
2012	75,819	-3.34%	3,742	2.30%
2013	101,120	33.37%	5,065	35.36%
2014	117,781	16.48%	5,704	12.62%
2015	551,162	367.95%	26,940	372.30%

Source: Trade Map. China tobacco imports [data file]. 2016.

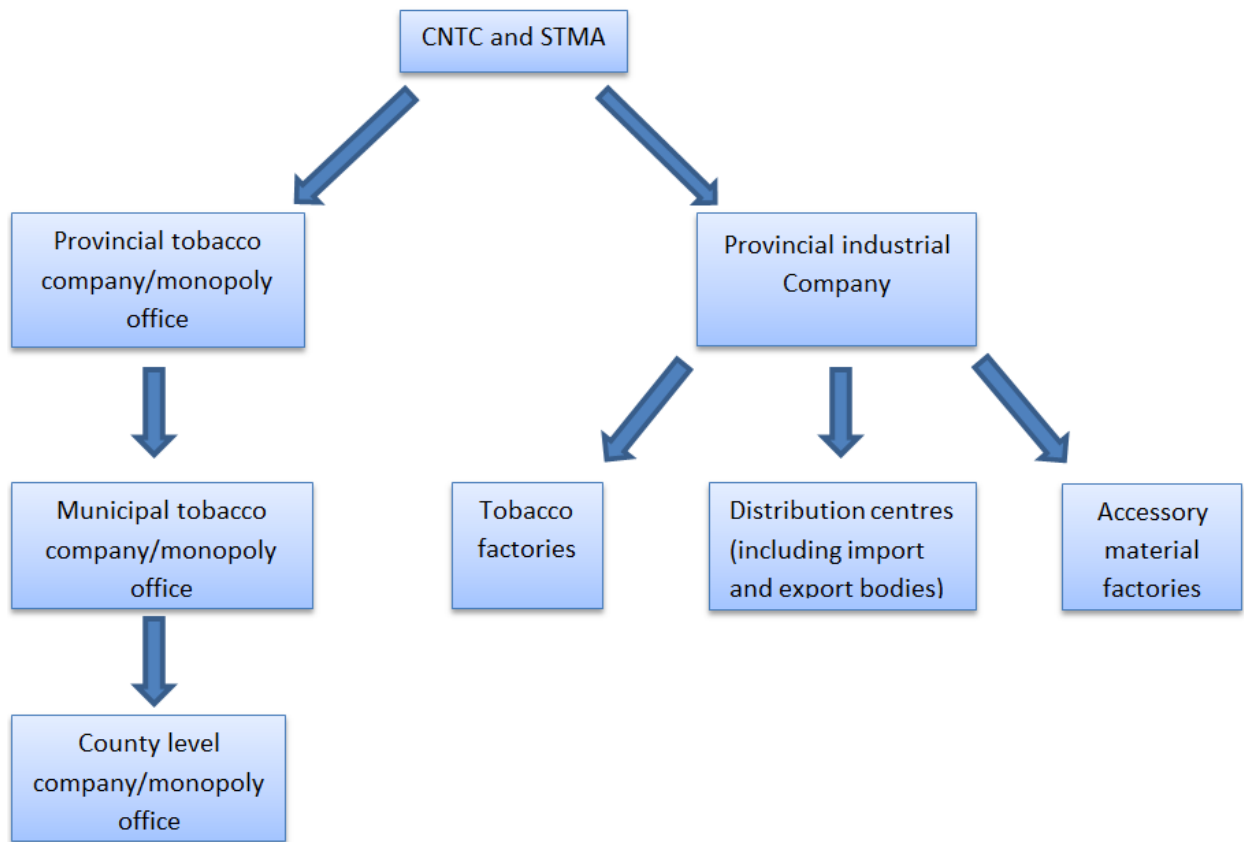
Table 2: Tobacco-related foreign-based operations by China, 1989-2015

Company name	Year	Location	Target Market
Tianli International Trading Co Ltd	1989	Hong Kong	
China tobacco International Moscow Office	1992 Renamed in 2008	Russia	Russia
Golden Leaf Macau Group*	1992	Macau	Hong Kong, Macau, Vietnam, Singapore, South Africa, Australia, Panama, Peru
Hongta Hong Kong International*	1992 Restructured in 1998	Hong Kong	South East Asia, Middle East, Africa, South America
Lao Liaozhong Hongta Fortune Tobacco*	1992 Restructured in 2008	Laos	Laos, Cambodia, Philippines, Malaysia, Hong Kong, Korea, Thailand, Middle East, North Africa
Viniton Group*	1993	Cambodia	Cambodia and South-East Asia
Myanmar Kokang Factory	1994	Myanmar	Myanmar, India
United Castle International Co Ltd	1994	Hong Kong	Global
China Tobacco International Europe Company (CTIEC)*	1997 Restructured in 2007	Romania	Romania, Europe, Africa, Middle East
Dubai Ruishida Trading Co	1997	UAE	Middle East, Africa, West and South Asia
China Tobacco International Hamburg Ltd	1998 Renamed in 2008	Germany	Machinery and accessory materials
Taedong River Co Ltd*	2000	North Korea	
HTS Hongta Switzerland	2000	Switzerland	
China Tobacco Japan	2001	Japan	Japan
Mongolia Tobacco Co Ltd*	2001	Mongolia	Mongolia, Central Asia, Russia
Raison Co Ltd	2001	North Korea	North Korea, South Korea, Middle East, South-East Asia
China Tabaco Internacional do Brasil	2002	Brazil	Leaf procurement
Namibia Oriental Tobacco	2005	Namibia	Sub-Saharan Africa
CTPMI	2005	Switzerland	Global

Tianze Tobacco	2005	Zimbabwe	Africa Leaf procurement
HTS Hongta Services	2007	Romania	Eastern Europe
Hongta Tabaco Latinoamericana S.A.	2008	Argentina	Latin America, Caribbean
Pyongyang Haikusan Co Ltd	2008	North Korea	
China Tobacco Argentina Ltd	2009	Argentina	
United Castle America SA de CV	2009	Mexico	The Americas
China-Brasil Tabacos Exportadora	2012	Brazil	Latin America
CTPMI D.R.Congo	2012	D.R. Congo	
China Tobacco Hongyun Honghe (PTY) LTD	2013	Namibia (Walvis Bay)	
Overseas United Inc*	2012	Panama	Latin America
Shandong Tobacco (Middle East) Trading Co	2012	UAE	Middle East, Africa
Universal Tobacco (Dubai)*	2012	UAE	Middle East, Africa
CTBAT	2013	Hong Kong	Global
US China Tobacco International	2014	USA	Leaf procurement
PT Kolang Citra Abadi	2015	Indonesia	

Source: Compiled from BAT, 2013; CTI, 2014a; CTIEC, n.d.; Hongta Group, 2010; MOFCOM, 2015; Namibia Oriental Tobacco, n.d.; STMA, 2006; STMA, 2009; STMA, 2012; Tobacco-free Kids, 2010; United Castle America, n.d.; Zhejiang Tobacco Industrial, 2015.

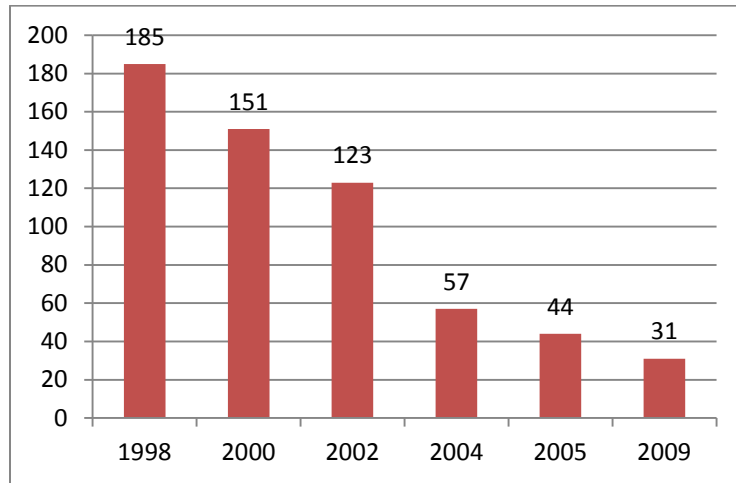
Figure 1: Structure of the Chinese tobacco industry



Note: The CNTC and STMA also manage other tobacco-related entities including leaf, machinery, accessory materials, research institutes, technology centers and tobacco museums.

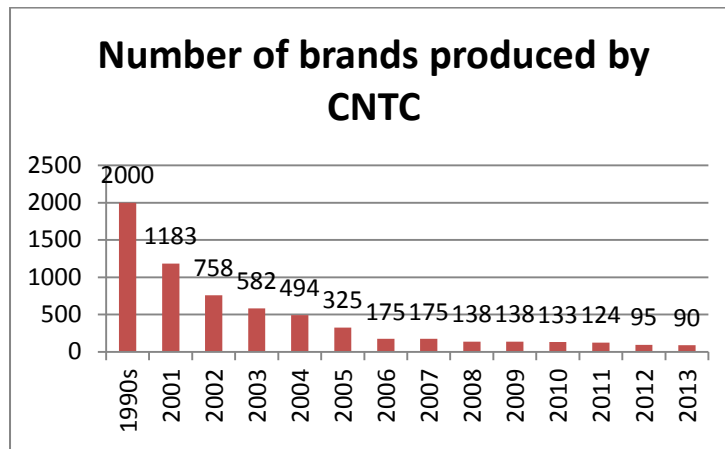
Source: Compiled from STMA, 1997; Zhou, 2004.

Figure 2: Total number of Chinese tobacco companies (1998-2009)



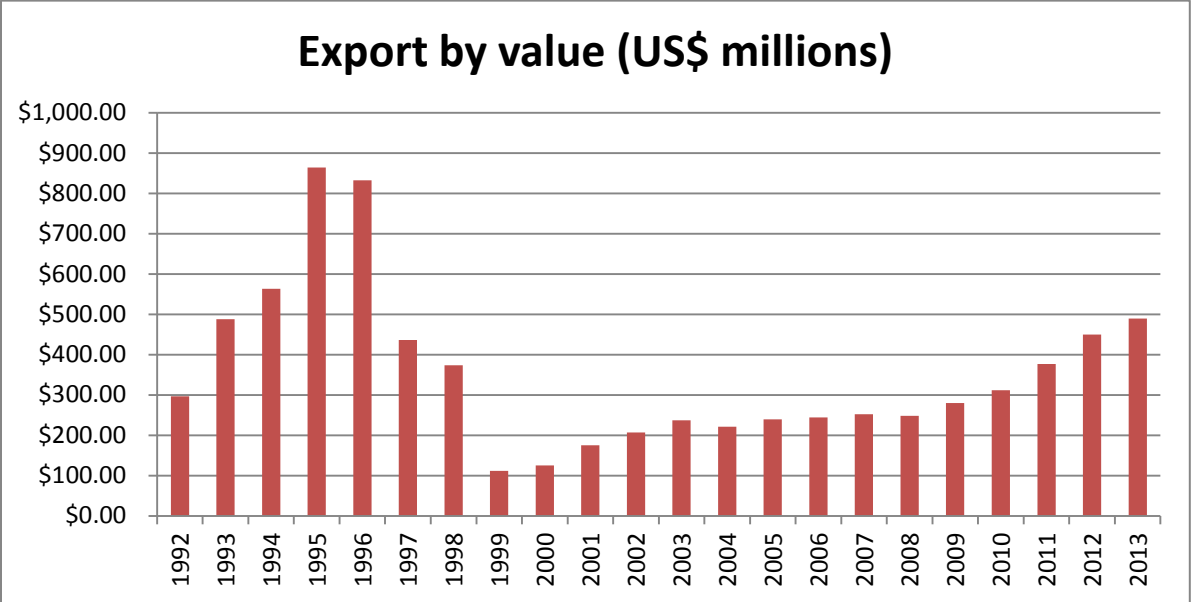
Source: Compiled from Liu & Ren, 2009; STMA, 2000, 2002, 2003, 2005, 2006.

Figure 3: Number of CNTC brands (1990s-2013)



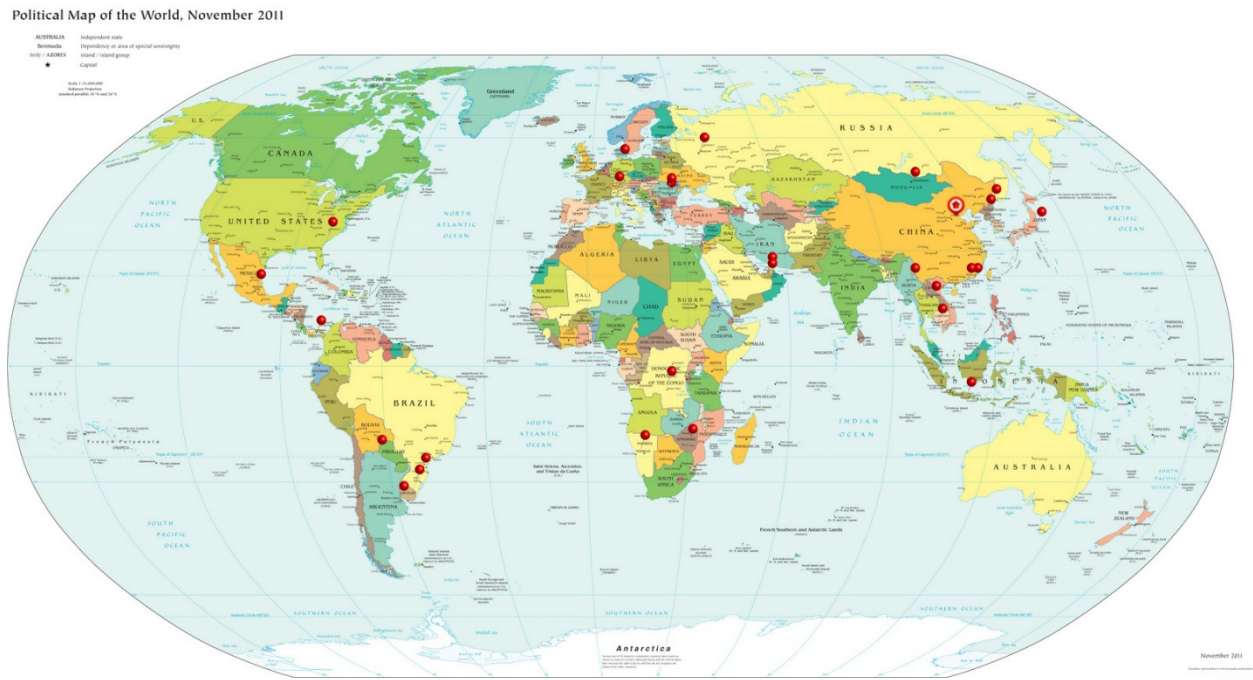
Source: Anon (2014, August 6). *中国卷烟品牌市场竞争分析* [Analysis of market competitiveness of Chinese cigarette brands]. Retrieved from Tobacco market: <http://www.etmoc.com/market/looklist.asp?id=31733>

Figure 4: Value of tobacco exports, 1992-2013 (US\$ millions)



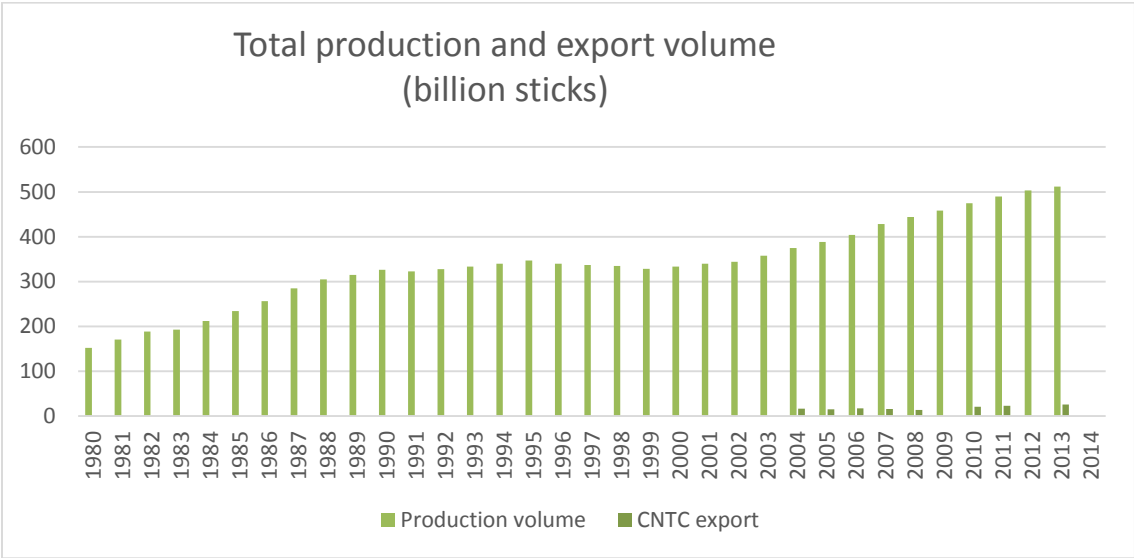
Source: Compiled from UN Comtrade Database. (2015). China tobacco export [data file]. Retrieved from: <http://comtrade.un.org/data/>

Figure 6: Map of distribution of CNTC's foreign-based operations



Source: Compiled from BAT, 2013; Hongta Group, 2010; STMA, 2006; STMA, 2009; STMA, 2012; Tobacco-free Kids, 2010.

Figure 7: CNTC annual production and export in billions of sticks (1980-2013)



Source: Compiled from STMA, 1996-2014.