



INTERSTATE HIGHWAY INTEGRATED WITH AGRAPLEX

PROPOSED CITIES ANALYSIS



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EXPLANATION

The Brazilian government, in partnership with other South American countries such as Peru and Bolivia are building a highway (Interoceanic Highway) that will integrate Brazil, Bolivia and Peru, from Santos in Brazil to Arica in Peru, both important Port cities. The Idea is to build an Interstate Hydrogen Highway with the same purpose, and aggregate the Agraplex concept in the major cities along the rout or in cities where it makes sense.

This presentation suggests an ITC Highway rout cutting through São Paulo state in a first stage, in a slightly different rout as the one intended by the Brazilian Government for the state of São Paulo, but still leading (for future considerations) in the same direction as it leaves the state and enters the next, only 60 miles away from the last city in SP state in the Government's rout, following all the way to Peru. The proposed rout has been chosen according to the old railway rout that once cut through the state, being significantly used for transporting passengers and products, but is now practically inactive.

The cities contemplated in this rout range from very large to very small, and Agraplex should or should not be implemented after assessing the opportunities in each one of them. BIOEX's Sweet Potato Ethanol technology as well as Micro-algae shall be widely used, serving as an anchor for all or most Agraplexes.

Agriculture, cattle, hog, poultry and fish breeding are very strong in the proposed rout, Industrial production is also an important feature, as well as tourism. The presentation shows an overview of each of the cities, including the third biggest city in the world, the city of São Paulo, capital of the state, which would be very interesting to have ITC Highway implemented. Studies can be made for different routs as well.





INTEROCEANIC HIGHWAY

A new highway will cross South America, linking the Atlantic to the Pacific, and will facilitate Brazilian Agribusiness's export to Asia (Information by the Ministry of Agriculture).

A new 1,900 miles highway corridor is Brazil's bet for facilitating the flow of its agricultural production, enabling an increase in the country's grains export. Making its way through Brazil, Bolivia and Peru, the highway will link the east to the west coast and is predicted to cut through red tape by September, 2009. By using the new landway, Brazil's international grain trade is supposed to reach 135 million tons by 2010, of it is produced the center-east. most in

According to the secretary of Agricultural development and Cooperativism of the Ministry of Agriculture, Márcio Portocarrero, the construction of the highway will beneficiate the Brazilian economy in the agricultural sector and will allow for a more optimized flow of products to international markets, specially to Asia.

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"We can affirm that transportation is currently, one of the biggest holdbacks of the agricultural production. The highway will beneficiate very much the country's producers, which will have easier and faster access to the Asian market, a big consumer of Brazilian goods", he said. Having the ability to flow the production through the Pacific, Portocarrero even believes that there will be a reduction of about 4,400 miles in the maritime rout, as related to the current rout through the Pacific.

According to the Brazilian government, products such as sugarcane, soy beans and cotton will be the major beneficiaries by this initiative. Big scale cattle-raising production and the agroindustry will also enjoy the positive impacts of the highway. The projected cost of freight will be around US\$ 30 per ton.





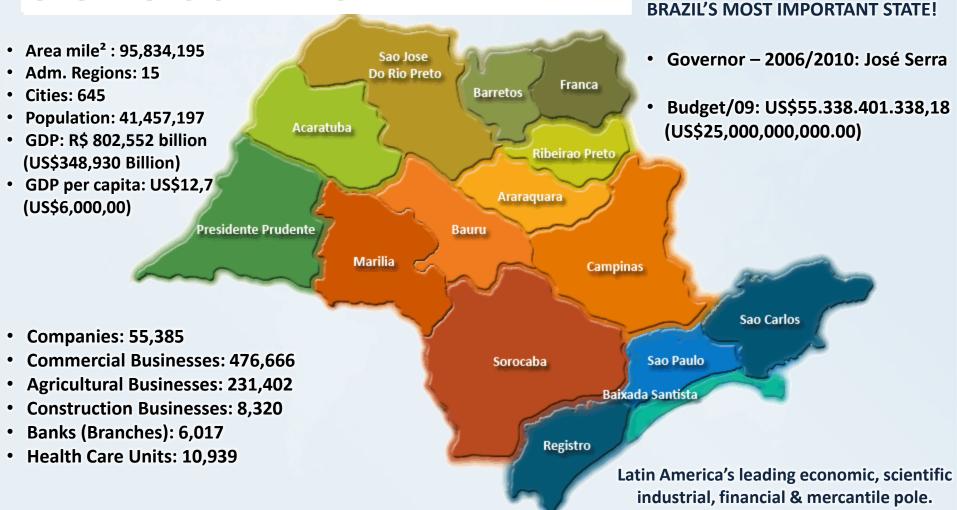








SÃO PAULO STATE: OVERVIEW





PROPOSED HIGHWAY ROUT: 440 Miles





Important Characteristics of the 14 cities on the proposed ITC-Agraplex route













CITY 1: SANTOS

LOCATION WITHIN SÃO PAULO STATE



MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - SANTOS		
Area (mile²)	108	
Population	418,288	
Populational Increase 2000-2007	0,07%	
GDP (US\$ mi)	7,27 billion	
GDP per capita (US\$)	17,522 thousand	
Municipal Budget (US\$)	370 million	
Municipal Expenditures (US\$)	347 million	
Health Units	180	
Universities/Colleges	8	
Farms	5	

Source: IBGE / SEADE





1) SANTOS – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Santos holds the biggest Port in the southern hemisphere and is responsible for ¼ of all Brazil's international trade flow.

Santos economy is basically formal. The sector that provides the most employment is services, fallowed by commerce.

Touristic activities, stimulated by the big flow of tourists from the Capital of São Paulo as well as from every city in the state, boost construction, reshaping the urban infra-structure, mainly commerce, with the implementation of shopping malls, supermarkets and areas for events and expositions, developing the Tourism Business as an option for expositors and investors from São Paulo Capital.









1) SANTOS – FAMILY INCOME / 2007

Constant States	POPULATION	%
Up to 1 minimum wage	20,920	5,7%
From 1 to 2 minimum wages	36,278	9,9%
From 2 to 3 minimum wages	30,465	8,3%
From 3 to 5 minimum wages	43,759	11,9%
From 5 to 10 minimum wages	59,596	16,2%
From 10 to 20 minimum wages	33,027	9%
More than 20 minimum wages	18,633	5%
No income	123,019	33,6%
Total	365,699	100%

Source: IBGE







1) SANTOS – TRANSPORTATION OVERVIEW

AUTOMOBIL	122,796	
TRUCK	4,488	
TRACTOR TRUCK	2,695	
VANS/PICK UPS	6,143	
MICROBUS	676	
MOTORCYCLE	49,988	
BUS	607	
TRACTOR	771	

TRANSDORTATION INDEX





CITY 2: SÃO PAULO

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - SÃO PAULO		
Area (mile²)	590	
Population	10,886,518	
Populational Increase 2000-2007	4,1%	
GDP (US\$ mi)	128,5 billion	
GDP per capita (US\$)	11,670 thousand	
Municipal Budget (US\$)	7,7 billion	
Municipal Expenditures (US\$)	6,6 billion	
Health Units	1,759	
Universities/Colleges	146	
Farms	193	





2) SÃO PAULO - CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

The city of São Paulo is the 5th most populated and the 19th richest city in the world and projections point out that it will be the 13th richest by 2020. It Is the most important city in the Americas after New York .

Its GDP corresponds to 12,26% of Brazil's GDP. It is a multi-racial, global metropolis, being home for several huge transinternational companies and is directly liked to the most important airway routs in the world, as well as to the main information grids.

Sao Paulo's BMF&Bovespa is the biggest stock exchange market in Latin America, the second in the Americas and the third biggest in the world.

It is the financial heart of Brazil and the most significant financial center in Latin America.









2) SÃO PAULO – FAMILY INCOME / 2007

Contender Start	POPULATION	%
Up to 1 minimum wage	510,498	5,8%
From 1 to 2 minimum wages	909,290	10,4%
From 2 to 3 minimum wages	863,224	9,8%
From 3 to 5 minimum wages	1,054,122	12%
From 5 to 10 minimum wages	1,116,318	12,7%
From 10 to 20 minimum wages	558,277	6,3%
More than 20 minimum wages	386,938	4,4%
No income	3,328,650	38,1%
Total	8,727,317	100%

Source: IBGE







2) SÃO PAULO – TRANSPORTATION OVERVIEW

I KANSPURIATION INDEX			
AUTOMOBIL	4,009,301		
TRUCK	128,955		
TRACTOR TRUCK	15,853		
VANS/PICK UPS	225,454		
MICROBUS	27,343		
MOTORCYCLE	118,085		
BUS	37,550		
TRACTOR	1,818		

ANCOADTATION INDEX





CITY 3: JUNDIAÍ

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR VALU		N
MICROREGION - JUNDIAÍ		
Area (mile²)	166	
Population	342,983	
Populational Increase 2000-2007	5,7%	
GDP (US\$ mi)	4,5 billion	
GDP per capita (US\$)	13,181 thous	and
Municipal Budget (US\$)	292 millio	n
Municipal Expenditures (US\$)	221,5 millio	on
Health Units	107	
Universities/Colleges	9	
Farms	747	





3) JUNDIAÍ – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

The City of Jundiaí has been having a significant populational increase in the past few years. It figures 8th in the country's GDP.

Jundiaí is known as the land of Grapes and Strawberries due to its big production and expertise, but besides having a significant agricultural production, the city has become a pole for logistics companies as it is home for an Industrial Park holding over 500 companies.

it stands out in the foods and beverages sector, ceramics, (producing half of the nation's production), auto-parts, metal-mechanics, rubber, plastics, packaging and durable goods.

The city has the 5th agricultural population in Brazil, and it's average agricultural GDP is about US\$40 million.









3) JUNDIAÍ – FAMILY INCOME / 2007

Constant Start Start	POPULATION	%
Up to 1 minimum wage	17,649	6,6%
From 1 to 2 minimum wages	30,453	11,4%
From 2 to 3 minimum wages	27,074	10,2%
From 3 to 5 minimum wages	34,680	13%
From 5 to 10 minimum wages	38,464	14,4%
From 10 to 20 minimum wages	16,751	6,3%
More than 20 minimum wages	9,371	3,5%
No income	100,848	30%
Total	265,290	100%

Source: IBGE







3) JUNDIAÍ – TRANSPORTATION OVERVIEW

I RANSPORTATION INDEX		
AUTOMOBIL	131,554	
ТRUCК	5,819	
TRACTOR TRUCK	809	
VANS/PICK UPS	9,850	
MICROBUS	681	
MOTORCYCLE	32,522	
BUS	878	
TRACTOR	47	

TRANSPORTATION INDEX





CITY 4: CAMPINAS

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - CAMPINAS		
Area (mile²)	306	
Population	1,039,297	
Populational Increase 2000-2007	8,2%	
GDP (US\$ mi)	10,7 billion	
GDP <i>per capita</i> (US\$)	10,013 thousand	
Municipal Budget (US\$)	696,5 million	
Municipal Expenditures (US\$)	653,8 million	
Health Units	325	
Universities/Colleges	13	
Farms	632	





4) CAMPINAS – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Campinas is the 11th richest city in Brazil and participates in about 1% of all Brazil's GDP, \$S20 Billion for Campinas alone. It concentrates about one third of all industrial production in Sao Paulo state.

It is home for important high-tech companies and also a big metallurgical park. Campinas has become a significant and diversified commercial center, with two of the biggest shopping malls in Brazil.

Its airport, Viracopos, is the second largest and most important in Brazil, also serving international trade. Campinas is a cutting-edge technology pole, being know as Brazil's Silicon Valley, being the third largest pole of research and development in Brazil, which makes it an alternative for investors.









4) CAMPINAS – FAMILY INCOME / 2007

Conte Stop S	POPULATION	%
Up to 1 minimum wage	52,169	6,3%
From 1 to 2 minimum wages	85,798	10,4%
From 2 to 3 minimum wages	78,955	9,6%
From 3 to 5 minimum wages	99,084	12,1%
From 5 to 10 minimum wages	109,677	13,3%
From 10 to 20 minimum wages	55,840	6,8%
More than 20 minimum wages	37,498	4,5%
No income	299,855	36,6%
Total	818,876	100%

Source: IBGE







4) CAMPINAS – TRANSPORTATION OVERVIEW

TRANSPORTATION INDEX		
AUTOMOBIL	409,364	
TRUCK	14,205	
TRACTOR TRUCK	1,885	
VANS/PICK UPS	27,661	
MICROBUS	2,604	
MOTORCYCLE	76,322	
BUS	3,920	
TRACTOR	101	





CITY 5: AMERICANA

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE
MICROREGION - CAMPINAS	
Area (mile²)	51
Population	199,094
Populational Increase 2000-2007	8,2%
GDP (US\$ mi)	2,13 billion
GDP per capita (US\$)	7,645 thousand
Municipal Budget (US\$)	127,2 million
Municipal Expenditures (US\$)	111,4 million
Health Units	77
Universities/Colleges	4
Farms	64





5) AMERICANA – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

In 1866, the region of what is today the city of Americana started receiving hundreds of American immigrants, from the southern states, running from the civil war.

Today, Americana is an important center of national and international investment. With qualified labor in the most varied segments, the city stands out as one of the main poles in manufactured fabrics and artificial and synthetic fibers in Latin America.

Americana is the 72nd richest Brazilian city and the 4th richest in the Campinas region, with a GDP of US 2,1 Billion.









5) AMERICANA – FAMILY INCOME / 2007

Contender Story S	POPULATION	%
Up to 1 minimum wage	11,826	7,6%
From 1 to 2 minimum wages	18,645	12%
From 2 to 3 minimum wages	18,704	12%
From 3 to 5 minimum wages	20,285	13%
From 5 to 10 minimum wages	19,466	12,5%
From 10 to 20 minimum wages	7,890	5%
More than 20 minimum wages	4,001	2,5%
No income	54,528	35,1%
Total	155,345	100%

Source: IBGE







5) AMERICANA – TRANSPORTATION OVERVIEW

AUTOMOBIL	69,430
ТПИСК	2,814
TRACTOR TRUCK	471
VANS/PICK UPS	6,148
MICROBUS	360
MOTORCYCLE	21,779
BUS	748
TRACTOR	19

TRANSPORTATION INDEX





CITY 6: LIMEIRA

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - LIMEIRA		
Area (mile²)	223	
Population	272,734	
Populational Increase 2000-2007	8,6%	
GDP (US\$ mi)	2,13 billion	
GDP <i>per capita</i> (US\$)	7,645 thousand	
Municipal Budget (US\$)	148,7 million	
Municipal Expenditures (US\$)	113,6 million	
Health Units	67	
Universities/Colleges	3	
Farms	1,408	





6) LIMEIRA – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Limeira is located in the Campinas region, which holds a high industrial concentration and has a GDP higher than some important states in the federation, such as Minas Gerais or Rio Grande do Sul, for example.

In its strong agricultural sector, Limeira has a vast production of citrus (mainly orange) closely followed by sugarcane, among others, and according to studies, it is home today for over 2,000 agricultural properties, including small farms.

The cities is holds about 3,500 commercial businesses and over 3,000 services businesses.

It has a strongly developed industrial district, it has around 1,000 industrial companies that employ 50% of the city's working population.









6) LIMEIRA – FAMILY INCOME / 2007

Constant Start	POPULATION	%
Up to 1 minimum wage	20,227	9,7%
From 1 to 2 minimum wages	29,254	14%
From 2 to 3 minimum wages	23,066	11,1%
From 3 to 5 minimum wages	23,592	11,3%
From 5 to 10 minimum wages	21,055	10,1%
From 10 to 20 minimum wages	7,317	3,5%
More than 20 minimum wages	3,211	1,5%
No income	79,933	38,4%
Total	207,655	100%

Source: IBGE







6) LIMEIRA – TRANSPORTATION OVERVIEW

AUTOMOBIL	76,330
ТRUCК	3,971
TRACTOR TRUCK	1,053
VANS/PICK UPS	6,575
MICROBUS	527
MOTORCYCLE	24,430
BUS	532
TRACTOR	9

TRANSPORTATION INDEX





CITY 7: RIO CLARO

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - RIO CLARO		
Area (mile²)	192	
Population	185,421	
Populational Increase 2000-2007	9,2%	
GDP (US\$ mi)	1,49 billion	
GDP <i>per capita</i> (US\$)	7,829 thousand	
Municipal Budget (US\$)	111,6 million	
Municipal Expenditures (US\$)	92,6 million	
Health Units	75	
Universities/Colleges	3	
Farms	579	





7) RIO CLARO – CHARACTERISTICS

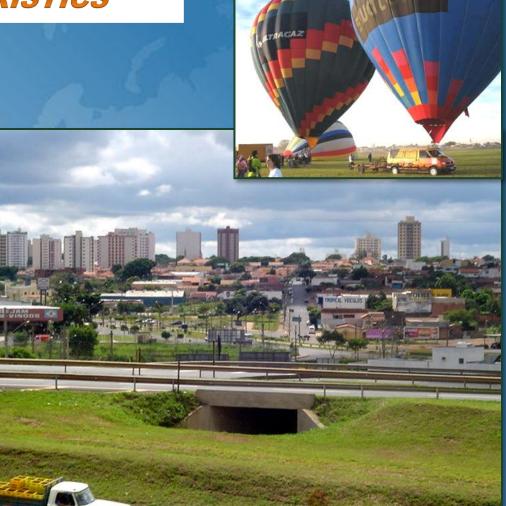
ECONOMY / MAIN BUSINESS ACTIVITIES

Rio Claro is located in region of Campinas, 150 miles from the port of Santos, 52 miles from the Viracopos International Airport in Campinas, 120 miles from the Guarulhos International Airport and 107 miles from São Paulo capital.

Rio Claro, along with other small towns in its surroundings, is considered the most important pole of ceramics manufacturing in the Americas, with its 48 companies.

It also stands out as for other industrialized products, such as: fiber glass; plastic tubes, electro domestics, light chemicals, metallurgies, industrial cables, candies and caramels, auto parts, animal feed, poultry and special rubber artifacts.

Sugarcane dominates the agriculture in the region



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7) RIO CLARO – FAMILY INCOME / 2007

Contraction of the second	POPULATION	%
Up to 1 minimum wage	12,034	8,4%
From 1 to 2 minimum wages	18,752	13,2%
From 2 to 3 minimum wages	16,048	11,3%
From 3 to 5 minimum wages	18,386	12,9%
From 5 to 10 minimum wages	16,890	11,9%
From 10 to 20 minimum wages	6,512	4,5%
More than 20 minimum wages	3,575	2,5%
No income	49,484	34,9%
Total	141,681	100%

Source: IBGE







7) RIO CLARO – TRANSPORTATION OVERVIEW

I RANSPORTATION INDEX	
AUTOMOBIL	54,208
ТRUCК	2,620
TRACTOR TRUCK	582
VANS/PICK UPS	3,924
MICROBUS	229
MOTORCYCLE	30,576
BUS	392
TRACTOR	2

TRANSPORTATION INDEX





CITY 8: JAÚ

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - JAÚ		
Area (mile²)	265	
Population	125,469	
Populational Increase 2000-2007	10,6%	
GDP (US\$ mi)	617 million	
GDP per capita (US\$)	4,922 thousand	
Municipal Budget (US\$)	61,2 million	
Municipal Expenditures (US\$)	51,2 million	
Health Units	39	
Universities/Colleges	2	
Farms	348	





8) JAÚ – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Jaú's main economic activities are: the shoes manufacturing industry; agro-industry (sugar/alcohol). Agriculture: sugarcane; coffee; fruits and cotton.

Jaú is known as the capital of women's shoes, as it is home for some 220 shoes manufacturing company that produces annually 14 million pairs of shoes. Heavy mechanics is also a feature in Jaú's industrial scenario, as well as graphic precision mechanics . The textile and food industries are also strong.

Jaú's commerce is a regional reference, for it supplies over 10 neighboring towns.









8) JAÚ – FAMILY INCOME / 2007

Contender Street	POPULATION	%
Up to 1 minimum wage	8,888	9,3%
From 1 to 2 minimum wages	15,262	16%
From 2 to 3 minimum wages	11,746	12,3%
From 3 to 5 minimum wages	12,430	13%
From 5 to 10 minimum wages	10,243	10,7%
From 10 to 20 minimum wages	3,322	3,4%
More than 20 minimum wages	1,593	1,6%
No income	31,465	33,1%
Total	94,949	100%







8) JAÚ – TRANSPORTATION OVERVIEW

AUTOMOBIL	36,879	
ТRUCК	1,838	
TRACTOR TRUCK	145	
VANS/PICK UPS	3,029	
MICROBUS	203	
MOTORCYCLE	14,918	
BUS	259	
TRACTOR	0	

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CITY 9: BAURU

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - BAURU		
Area (mile²)	259	
Population	347,601	
Populational Increase 2000-2007	9%	
GDP (US\$ mi)	2,1 billion	
GDP per capita (US\$)	6,000 thousand	
Municipal Budget (US\$)	152,3 million	
Municipal Expenditures (US\$)	116,5 million	
Health Units	128	
Universities/Colleges	10	
Farms	474	





9) BAURU – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Bauru is the most important economic center and the largest city in the west of SP state.

The city's main economic activities lie primarily on commerce and services.

Pineapple and tropical fruits are predominant in its agriculture. Cattle ranching has always been strong in the region, but sugarcane cultivating has grown very rapidly.

The industrial sector is represented by the transformation industries, such as metalmechanics and foods. The city's foods industries, as well as the graphics industries are leaders in their segments in Brazil, exporting large volumes and also supplying the national markets.









9) BAURU – FAMILY INCOME / 2007

Contraction of the second	POPULATION	%
Up to 1 minimum wage	26,553	10%
From 1 to 2 minimum wages	33,725	12,7%
From 2 to 3 minimum wages	27,542	10,3%
From 3 to 5 minimum wages	31,103	11,7%
From 5 to 10 minimum wages	30,892	11,6%
From 10 to 20 minimum wages	13,648	5,14%
More than 20 minimum wages	7,361	2,7%
No income	94,399	35,5%
Total	265,223	100%







9) BAURU – TRANSPORTATION OVERVIEW

AUTOMOBIL	103,234	
ТПИСК	4,178	
TRACTOR TRUCK	449	
VANS/PICK UPS	7,721	
MICROBUS	389	
MOTORCYCLE	34,611	
BUS	953	
TRACTOR	12	

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CITY 10: MARÍLIA

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - MARÍLIA		
Area (mile²)	451	
Population	218,113	
Populational Increase 2000-2007	9,5	
GDP (US\$ mi)	1,1 billion	
GDP per capita (US\$)	5,000 thousand	
Municipal Budget (US\$)	133,8 million	
Municipal Expenditures (US\$)	117,2	
Health Units	94	
Universities/Colleges	4	
Farms	920	





10) MARÍLIA – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

With a vast Japanese population, that immigrated to the region by the time of the second world war, Marília is today the fastest growing city in western São Paulo.

It's economy is strongly influenced by some major food companies, which gives the city the title of "National Foods' Capital". Coca-Cola has a big plant in the city. Its industrial district is home for some major exporting companies, mainly manufactures of metal doors and windows. The region is leader in exporting tractors, caterpillars, treadmills, sprayers, etc.

Marilia's agriculture is based on coffee, sugarcane, fruits and vegetables. Cattle ranching is also very strong. The city also holds important higher education institutions, that welcomes thousands of students from all over the country every year.









10) MARÍLIA – FAMILY INCOME / 2007

Conte Strail	POPULATION	%
Up to 1 minimum wage	18,937	11,4%
From 1 to 2 minimum wages	23,507	14,2%
From 2 to 3 minimum wages	18,436	11,1%
From 3 to 5 minimum wages	18,176	11%
From 5 to 10 minimum wages	16,295	9,8%
From 10 to 20 minimum wages	6,366	3,8%
More than 20 minimum wages	3,752	2,2%
No income	59,520	36%
Total	164,989	100%







10) MARÍLIA – TRANSPORTATION OVERVIEW

AUTOMOBIL	53,998	
ТПИСК	2,530	
TRACTOR TRUCK	281	
VANS/PICK UPS	3,659	
MICROBUS	184	
MOTORCYCLE	22,368	
BUS	377	
TRACTOR	2	

TRANSPORTATION INDEX





CITY 11: TUPÃ

LOCATION WITHIN SÃO PAULO STATE



MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE
MICROREGION - TU	IPĂ
Area (mile²)	242
Population	62,256
Populational Increase 2000-2007	-1,7
GDP (US\$ mi)	315 million
GDP <i>per capita</i> (US\$)	4,753 thousand
Municipal Budget (US\$)	25 million
Municipal Expenditures (US\$)	20,3 million
Health Units	39
Universities/Colleges	4
Farms	1,048

Source: IBGE / SEADE





11) TUPÃ – CHARACTERISTICS

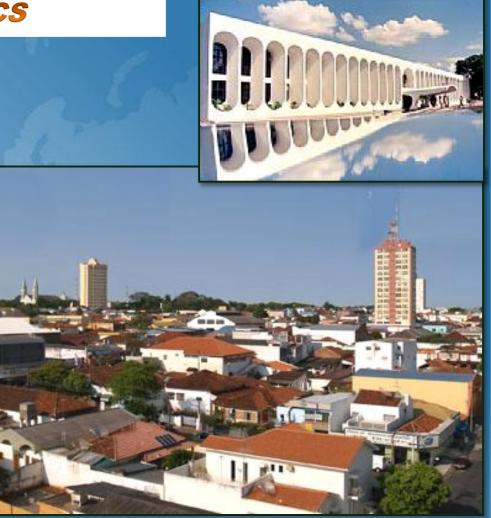
ECONOMY / MAIN BUSINESS ACTIVITIES

Tupã is one of the 29 cities in São Paulo state that are considered "Touristic Instances", which grants the city many federal and state benefits.

Agriculture is the strongest feature of the city's economical activity. With over 1,000 agricultural businesses.

Cattle ranching include some 40,100 beef cattle units, 7,100 dairy cattle units, and 19,200 multiple aptitude (mixed beef and dairy) cattle units.

Pushed by its 380 industrial businesses, in the so called transformation industry, the city stands out in meat, milk, coffee, peanut, soy beans, corn and animal feed production. Shoes manufacturing is also a feature, as well as travel bags, agricultural machinery, furniture, chemical products, etc.









11) TUPÃ – FAMILY INCOME / 2007

Contraction of the	POPULATION	%
Up to 1 minimum wage	9,800	18%
From 1 to 2 minimum wages	9,175	16,9%
From 2 to 3 minimum wages	5,291	9,7%
From 3 to 5 minimum wages	4,317	7,9%
From 5 to 10 minimum wages	4,073	7,5%
From 10 to 20 minimum wages	1,658	3%
More than 20 minimum wages	994	1,8
No income	18,961	34,9%
Total	54,269	100%







11) TUPÃ – TRANSPORTATION OVERVIEW

AUTOMOBIL	16,540	
ТКИСК	1,209	
TRACTOR TRUCK	109	
VANS/PICK UPS	1,452	
MICROBUS	39	
MOTORCYCLE	8,532	
BUS	171	
TRACTOR	2	

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CITY 12: ADAMANTINA

LOCATION WITHIN SÃO PAULO STATE



Source: IBGE / SEADE

MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALUE	
MICROREGION - ADAMANTINA		
Area (mile²)	158	
Population	33,289	
Populational Increase 2000-2007	-0,63	
GDP (US\$ mi)	190,5 million	
GDP <i>per capita</i> (US\$)	5,518 thousand	
Municipal Budget (US\$)	25,5 million	
Municipal Expenditures (US\$)	21,7 million	
Health Units	21	
Universities/Colleges	1	
Farms	713	





12) ADAMANTINA – CHARACTERISTICS

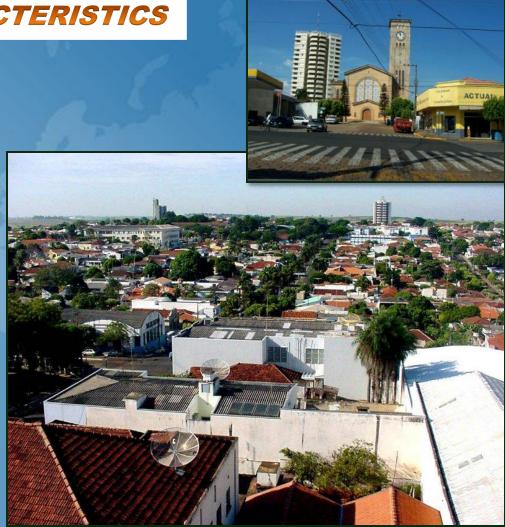
ECONOMY / MAIN BUSINESS ACTIVITIES

Adamantina is a small city in the west of Sao Paulo state.

Its economy is mainly dependent on agriculture. Cattle ranching and sugarcane are the most important activities in the region, fallowed by coffee, orange, peanut, soy beans and fruits and vegetables.

Other sources of employment are:

Banks/Branches: 9 Industries: 5 Commercial Businesses: 389 Services: 502









12) ADAMANTINA – FAMILY INCOME / 2007

Constant Street Street	POPULATION	
Up to 1 minimum wage	5,407	18,7%
From 1 to 2 minimum wages	4,787	16,6%
From 2 to 3 minimum wages	3,073	10,6%
From 3 to 5 minimum wages	2,145	7,4%
From 5 to 10 minimum wages	2,260	7,8%
From 10 to 20 minimum wages	885	3%
More than 20 minimum wages	506	1,7%
No income	9,746	33,8%
Total	28,809	100%



12) ADAMANTINA- TRANSPORTATION OVERVIEW

AUTOMOBIL	9,239	
TRUCK	643	
TRACTOR TRUCK	126	
VANS/PICK UPS	906	
MICROBUS	46	
MOTORCYCLE	3,272	
BUS	61	
TRACTOR	4	

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CITY 13: DRACENA

LOCATION WITHIN SÃO PAULO STATE



MAIN ECONOMIC INDICATORS – 2007

INDICATOR	VALU	Ξ
MICROREGION - DRA	CENA	
Area (mile²)	188	
Population	42,10	7
Populational Increase 2000-2007	3,8	
GDP (US\$ mi)	184,7 mi	llion
GDP <i>per capita</i> (US\$)	4,500 thou	Isand
Municipal Budget (US\$)	18,706 m	illion
Municipal Expenditures (US\$)	15 milli	on
Health Units	17	
Universities/Colleges	2	
Farms	660	

Source: IBGE / SEADE





13) DRACENA – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Dracena's economy, like most cites In the region, is primarily based on agriculture and cattle ranching

Sugarcane is also very strong, fallowed by Orange, tropical fruits, soy beans and fish breeding for commercial sale.

Dracena has also a vocation for ecological, rural and cultural tourism.

Handicraft is well organized in the region.











13) DRACENA – FAMILY INCOME / 2007

A Starte Startes	POPULATION	%
Up to 1 minimum wage	6,871	19,7%
From 1 to 2 minimum wages	5,667	16,2%
From 2 to 3 minimum wages	3,211	9,2%
From 3 to 5 minimum wages	3,177	9,1%
From 5 to 10 minimum wages	2,589	7,43%
From 10 to 20 minimum wages	977	2,8%
More than 20 minimum wages	490	1,4%
No income	11,843	34%
Total	34,825	100%







13) DRACENA – TRANSPORTATION OVERVIEW

AUTOMOBIL	11,156	
ТRUCК	916	
TRACTOR TRUCK	192	
VANS/PICK UPS	1,239	
MICROBUS	27	
MOTORCYCLE	4,428	
BUS	120	
TRACTOR	0	

TRANSDORTATION INDEX





CITY 14: PANORAMA

LOCATION WITHIN SÃO PAULO STATE



MAIN ECONOMIC INDICATORS – 2007

CHURCHS IMPORT-EXPORT, INC.

INDICATOR	VALUE	
MICROREGION - DRA	CENA	
Area (mile²)	136	
Population	13,94	4
Populational Increase 2000-2007	2,1	
GDP (US\$ mi)	41,4 mil	lion
GDP <i>per capita</i> (US\$)	2,840 thou	usand
Municipal Budget (US\$)	6,7 mill	ion
Municipal Expenditures (US\$)	6 millio	on
Health Units	4	
Universities/Colleges	0	
Farms	240	

Source: IBGE / SEADE





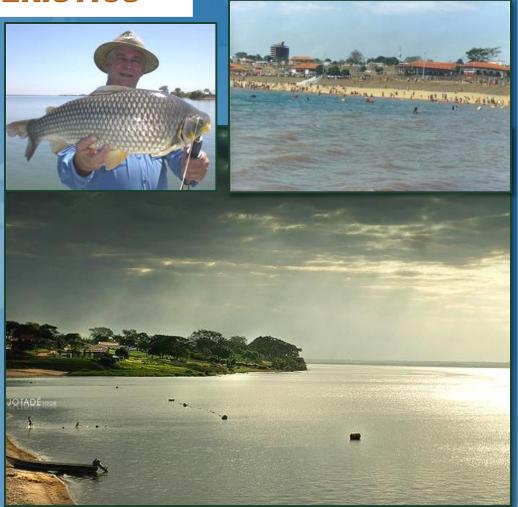
14) PANORAMA – CHARACTERISTICS

ECONOMY / MAIN BUSINESS ACTIVITIES

Panorama sits on the west of São Paulo state, bordering the state of Mato Grosso do Sul.

Its economy is primarily based on ecotourism, since the city is an important touristic pole in the region, where the large Paraná river provides ground for the city's resort.

Panorama is well known for its many annual events, welcoming thousands of people year round from other cities and states. Fishing is also an important contributor in the cities economy.









14) PANORAMA – FAMILY INCOME / 2007

Contraction of the second	POPULATION	%
Up to 1 minimum wage	1,983	18%
From 1 to 2 minimum wages	1,714	15,6%
From 2 to 3 minimum wages	1,232	11,2%
From 3 to 5 minimum wages	769	7%
From 5 to 10 minimum wages	479	4,37%
From 10 to 20 minimum wages	218	1,9%
More than 20 minimum wages	99	0,9%
No income	4,478	40,8%
Total	10,972	100%







14) PANORAMA – TRANSPORTATION OVERVIEW

AUTOMOBIL	1,864	
ТКИСК	217	
TRACTOR TRUCK	42	
VANS/PICK UPS	212	
MICROBUS	6	
MOTORCYCLE	848	
BUS	12	
TRACTOR	0	

TRANSPORTATION INDEX





20 BIGGEST CITIES IN SAO PAULO STATE

POSITION	CITY	POPULATON	POSITION	CITY	POPULATON
1	São Paulo	10.990.249	11	São José do Rio Preto	414.272
2	Guarulhos	1.279.202	12	Mauá	412.753
3	Campinas	1.056.644	13	Diadema	394.266
4	São Bernardo do Campo	801.580	14	Carapicuíba	388.532
5	Osasco	713.066	15	Mogi das Cruzes	371.372
6	Santo André	671.696	16	Piracicaba	358.108
7	São José dos Campos	609.229	17	Bauru	347.601
8	Sorocaba	576.312	18	Jundiaí	347.601
9	Ribeirão Preto	558.136	19	Itaquaquecetuba	334.914
10	Santos	417.518	20	São Vicente	323.599
				Fonte: ^[7]	

Carapicuíba, Diadema, Guarulhos, Itaquaquecetuba, Mauá,

Mogi das Cruzes, Osasco, Santo André e São Bernardo do Campo fazem parte da Região Metropolitana de São Paulo.



MORE FACTS ABOUT SÃO PAULO STATE

São Paulo's interior (cities other than the capital) is responsible for 15% of the Brazilian GDP, compared to countries such as Venezuela;

- ➢ if it were a country, São Paulo's interior would be the 37th biggest economy in the world;
- > 950 thousand operating companies (Industry, Commerce, Services e Agro-Business);
- In 2007, for each US\$ 100 spent in the country, US\$ 14 was spent in the Interior of São Paulo;
- Its US\$348,930 Billion GDP is bigger than some countries' such as The Arab Emirates, Czech Republic, Chile and Colombia;

> The Interior of SP state is the biggest orange producer in the planet, with 80% of the national production;

Consumption rate in the Interior of São Paulo has grown 234% in the last 5 years, reaching US\$ 146,79 billion in 2008.

South America's Aqüífero Guarani, the largest subterranean **fresh** water reserve in the world covers over 65% of Sao Paulo state.

SOURCES: FUNDAÇÃO SEADE JUN/2008/ IBGE JUN/2008/ CATI JUN/2008/ BANCO MUNDIAL- JUN/2008/ ATLAS DE CONSUMO - BASE 2008



The proposed ITC-Agraplex rout presented is only a strip, a corridor leading westwards, as a foundation for a possible future integration with other Latin American countries in the same fashion as the Interoceanic Highway.

It begins in a very economically strong area and stretches all the way to smaller, less populated and less developed cities, but with big agricultural potential and big exporting companies along the way that could use the Interstate to flow their production to the Capital or to the Port of Santos.

Although this presentation is only an overview, further assessment should be made regarding the Agraplex application and opportunities in the whole SP state.

Other things to consider regarding an ITC-Agraplex project in Brazil and in Sao Paulo state include:

□ Brazil's Federal Government is establishing a federal railway agency for developing an US\$11 billion project for technology developers to build the bullet-train (Brazilian Shinkansen), linking São Paulo to Rio de Janeiro; Government will open a public bid for contractors;

□ The Brazilian government is implementing a huge economic development program to boost the country's production, consumption and social and economic development (It's called PAC, or translating to "Plan for the Acceleration of Growth");

□ Brazilian agricultural and cattle ranching expertise is one of the world's best. Climate is perfect for most crops;

□ One of Brazil's biggest holdbacks for growth is its expensive, inefficient transportation system, due to its deficient roads' and highways' conditions.







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THANK YOU!

FOR MORE INFORMATION PLEASE CONTACT

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