

SYSTEM OF MANAGERIAL INFORMATION AND SUPPORT TO THE DECISION



SIGAD

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This informative contains the main important index that composes the social and economical scenario of Blumenau. It is an integrated part of SIGAD - System of Managerial Information and Support to the Decision, result of a partnership among FURB University and City Hall of Blumenau. The full informations are available in www.furb.br/sigad (scene permanent update).

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1. History and Geography

1.1 Quick history of the city and the economy of Blumenau

Blumenau was founded on September, 2nd 1850. The first 17 settlers came here to establish an agricultural colony on the land acquired by the German philosopher Hermann Bruno Otto Blumenau with the Provincial Government. It became Distrito da Paz (District of Peace) in 1858; a county in February 1880 and finally a city in 1894.

In a few decades Blumenau developed a diversified economy, became strongly active in textile and clothing segments, leaving the agriculture production as the main characteristic. Also it is known as garden city, it is located in the green valley of Itajaí, in a mountainous region, divided by the river Itajaí, with temperate and humid weather, with average temperature of 21C. It is very hot in the summer but nice weather the rest of the year. The average altitude is 14 meters and the wind blows from the East quadrant.

The main access are: BR -470 which connects the East to the West of the city, road to get to Luis Alves, Navegantes, Itajaí and BR -101, in the East; in the West, it connects Pomerode, Indaial, Timbó and other cities of the Itajaí Valley. The SC -470 (Jorge Lacerda road) connects Blumenau to Gaspar, Ilhota, Itajaí, BR -101; SC -474 (Guilherme Jensen road) connects Blumenau to Massaranduba, Guaramirim and Jaraguá do Sul.

The number of people reaches 338.876 inhabitants (IBGE 2015). It is characterized by the textile industry synthesized by Hering company, by many Hunting and Shooting Clubs, by the Oktoberfest, by the crystals, by the beautiful gardens and big natural parks, by the the first TV channel in the State (Coligadas), by the amateur sport, by the tourism and by the enxaimel style of constructions. The city is a reference for the software programming, as much as for the culinary, for the diversified commerce, for health care and transplants, for the educational system and for its people, that, with the mixing of races, we have always raised willpower and positive support to face difficulties and also to build a modern, lively city and full of life quality.

1.2 Location: characteristics and position

Characteristics	Position
Geographic Region	South
Federal Unit	Santa Catarina
Geographic Middle Region	Itajaí Valley
Geographic Micro Region	Blumenau
Metropolitan Region	Itajaí Valley Metropolitan Region – Territorial unit 19 (IBGE)
Association	AMMVI – Association of the Cities in the Itajaí Valley
Regional Secretary	15ª Regional Development State Secretary

Sources: IBGE, AMMVI, Regional Development State Secretary - Blumenau

1.3 Geographical position and distance from the state capital

Geographic Position	Indicator
Latitude S	26° 55' 10"
Longitude W	49° 03' 58"
Distance from the capital	140 km

Source: Santa Catarina Annual Statistics

1.4 Limits

Geographic Position	Limiting cities
North	Massaranduba and Jaraguá do Sul
South	Guabiruba, Botuverá and Indaial
West	Indaial and Pomerode
East	Massaranduba, Luiz Alves and Gaspar

Source: Santa Catarina Annual Statistics

1.5 Territorial Areas (Km)²

Areas	Km ²
TOTAL	519,8
Urban	206,9
Rural	312,9

Source: IBGE (Statistics and Geography Brazilian Institute) and Blumenau City Hall – (Planning Secretary)

2. Demography

2.1 Resident population according to house situation and sex – 1980 to 2015

POPULATION	1980	1991	2000	2010	2015*
Total Population	157.251	212.025	261.808	309.011	339.585
Urban	146.028	186.327	241.943	294.316	327.454
Rural	11.223	25.698	19.865	14.695	12.131
Men	76.960	104.039	128.298	151.542	166.597
Women	80.291	107.986	133.510	157.469	172.987

Gross data source: IBGE. *Projection: IPS/FURB based on IBGE 2010-2015 estimates

2.2 Economically active population, average growth rate and demographic density 1980 to 2015

YEARS	INDICATORS		
	EAP	Average Rate*	Density**
1980	-	-	322
1991	96.627	-	434
2000	141.947	0,04	503
2010	186.036	0,03	594
2015***	212.977	0,03	652

*Average geometric rate of annual population increase per 100 inhabitants.

**Demographic density (inhabitants per km²). Source: IBGE – Demographic Censuses 1980, 1991 and 2000

2.3 Resident population according to house situation, sex and age groups – 2010 and 2015

Age Groups	2010 - Sex		2015* - Sex	
	Men	Women	Men	Women
0 a 4 years old	9.428	8.930	8.683	8.207
5 a 9 years old	10.035	9.640	9.299	9.011
10 a 14 years old	12.104	11.394	12.168	11.210
15 a 19 years old	13.001	12.640	13.241	12.693
20 a 29 years old	29.987	29.222	33.573	31.775
30 a 39 years old	25.567	26.219	26.554	27.303
40 a 49 years old	23.236	24.558	27.071	28.323
50 a 59 years old	15.691	17.498	20.161	22.724
over 60 years old	12.493	17.368	15.501	21.380
TOTAL	151.542	157.469	166.250	172.626

Source: IBGE (Statistics and Geography Brazilian Institute) – Demographic Censuses

2.4 Private permanent domiciles by nominal income class in minimum wages 2010 and 2015

INCOME CLASS	Year		Participation %
	2010	2015*	
No income	1.970	2.254	1,9%
Until 1/4 minimum wages	122	140	0,1%
From 1/4 to 1/2	136	156	0,1%
From 1/2 to 1	1.993	2.280	2,0%
From 1 to 2	8.960	10.251	8,9%
From 2 to 3	11.695	13.380	11,6%
From 3 to 5	26.246	30.028	26,0%
From 5 to 10	33.237	38.026	32,9%
From 10 to 15	8.531	9.760	8,4%
From 15 to 20	3.907	4.470	3,9%
From 20 to 30	2.123	2.429	2,1%
Above 30	2.142	2.451	2,1%
TOTAL	101.062	115.625	100,0%

Fonte: IBGE - Censo Demográfico. * Projection.

2.5 N° of domiciles and average nominal income of the permanent private domiciles (R\$)

KIND OF DOMICILES	Year 2010		Year 2015*	
	N° domiciles	Income (R\$)	N° domiciles	Income (R\$)
House	80.213	2.825,04	91.749	3.950,71
Apartment	19.859	4.540,52	22.715	6.349,75
House in village or in comdominium	347	2.965,60	397	4.147,28
Boarding house	668	1.616,01	764	2.259,93
TOTAL AND AVERAGE	101.087	3.154,54	115.625	4.411,51

* Income (R\$) base 2010, updated to 2015 by INPC.

Source: IBGE - Censo Demográfico/2010.

2.6 Permanent private domiciles and existence of durable services and goods – 2010

EXISTENCE OF DURABLE SERVICES AND GOODS	N° domiciles	% from TOTAL
Garbage collection	100.885	99,82%
Electricity	101.043	99,98%
Telephone line in use	65.356	64,67%
Motorcycle to particular use	23.551	23,30%
Automobile to particular use	72.579	71,82%
Personal computer with internet access	52.209	51,66%
Personal computer	63.431	62,76%
TOTAL OF DOMICILES	101.062	-

Source: IBGE (Statistics and Geography Brazilian Institute) – Demographic Censuses

2.7 Position in occupation and category of the work in the main job - 2010 and 2015

OCCUPIED POSITION	2010		2015*	
	N° people	Part %	N° people	Part %
Formal worker	123.107	68,04%	128.506	64,76%
Public worker	5.523	3,05%	8.840	4,46%
Informal worker	12.146	6,71%	15.320	7,72%
Unpaid worker	993	0,55%	1.400	0,71%
Working for own expenditure	769	0,43%	1.020	0,51%
Employer	6.400	3,54%	7.019	3,54%
Self-employed	32.000	17,69%	36.320	18,30%
Total	180.938	100,00%	198.425	100,00%

Source: Targetmark – based on IBGE data. * Estimative SIGAD.

2.8 People responsible for permanent private homes per sex and groups of study years - 2010

GROUPS OF STUDY YEARS OF THE PERSON RESPONSIBLE FOR THE DOMICILE	TOTAL	Sex		Women participation (%)
		Men	Women	
Without instruction or incomplete starter	32.957	18.974	13.983	42,4%
Complete starter and incomplete high school	19.068	11.747	7.322	38,4%
Complete high school and incomplete college	22.826	14.444	8.382	36,7%
Complete college	12.420	8.348	4.072	32,8%
Indetermined	405	288	118	29,1%
TOTAL	87.675	53.799	33.876	38,6%

Fonte: IBGE - Censo Demográfico.

2.9 Number of electors per gender and complete college – 2008 to 2015

PROCESSING DATA	Complete college		Sex		TOTAL
	N° Electors	%	Men	Women	
01/01/2008	9.875	4,8%	98.476	106.883	205.359
01/01/2009	10.715	5,1%	101.718	110.452	212.170
14/01/2010	11.495	5,3%	103.171	112.251	215.422
01/02/2011	12.325	5,5%	106.485	115.980	222.465
01/01/2012	12.777	5,7%	106.849	116.504	223.353
15/01/2013	13.762	6,0%	109.579	120.167	229.746
01/01/2014	14.493	6,3%	110.235	121.067	231.302
01/01/2015	22.505	9,6%	111.721	123.848	235.569

Source: SIE (Electoral Register Section)

3. Infra Structure

3.1 Electricity users per consumer class - 2008 to 2014

YEAR	Classes of Users					TOTAL*
	Home users	Industry	Commercial	Rural	Civil Power	
2008	100.037	3.670	10.613	830	593	115.832
2009	97.575	3.670	10.661	760	530	113.302
2010	105.334	3.944	11.138	841	613	121.968
2011	108.129	4.000	12.812	851	615	126.507
2012	111.836	4.086	13.215	856	626	130.725
2013	115.044	4.166	13.646	865	894	134.431
2014	119.115	4.166	14.174	872	685	139.168

* The total includes public light, companies of public services and self demand of CELESC.

Source CELESC – Electricity Central in Santa Catarina, Technical Directory, Invoicing Division.

3.2 Electricity (Mwh) Consumption per class of consumers - 2008 to 2014

YEAR	Classes of Users					TOTAL*
	Home users	Industrial	Commercial	Rural	Civil Power	
2008	263.370	558.787	207.399	3.651	13.766	1.087.610
2009	281.703	500.931	217.098	3.890	13.944	1.059.035
2010	296.080	514.447	226.112	3.940	15.929	1.097.680
2011	299.071	483.639	245.510	3.909	14.796	1.089.034
2012	313.961	469.558	278.393	4.198	15.918	1.125.647
2013	322.696	458.955	283.718	4.277	15.899	1.129.897
2014	353.072	460.603	306.125	4.489	17.750	1.188.705

* The total includes public light, companies of public services and self demand of CELESC.

Source CELESC – Santa Catarina Electricity Central, Technical Directory, Commercial Department.

3.3 Vehicles filed per class - 2010 to 2015

Kind	2010	2012	2013	2014	2015
	Dec	Dec	Dec	Dec	Dec
Car	134.145	144.630	150.585	155.014	158.291
Motorcycle	33.644	35.213	36.131	36.248	36.408
Coach	10.588	12.077	12.743	13.339	13.855
Motor Scooter	7.586	8.408	8.739	8.838	8.939
Van	6.396	8.581	9.542	10.437	11.145
Truck	4.781	5.238	5.339	5.395	5.474
Trailer	2.100	2.694	3.136	3.481	3.844
Semi-Trailer	1.662	1.726	1.783	1.805	1.800
Bus	713	712	720	716	714
Utility	1.055	1.692	2.009	2.414	2.743
Tractor Truck	709	803	864	954	925
Minibus	379	386	410	418	433
Moped	249	246	245	245	248
Tractor Wheels	282	309	319	318	331
Tricycle	53	57	57	62	66
Other	69	79	94	104	112
TOTAL	200.411	222.851	232.716	239.788	245.328

Source: DETRAN-SC (Traffic Department in Santa Catarina)

3.4 Water saving, per consumer class - Blumenau 2000 / 2015

YEAR	Water Saving Total	Residential	Comercial	Industrial	Public Power	Others
2000	86.516	76.299	7.104	334	605	2.174
2005	103.510	93.290	8.267	264	918	771
2010	119.863	106.241	8.909	302	1.131	3.280
2011	116.415	104.104	7.682	277	952	3.400
2012	121.123	108.373	7.892	310	950	3.598
2013	124.954	111.974	8.092	325	963	3.600
2014	123.213	111.548	7.334	304	856	3.171
2015	124.789	112.805	7.340	308	842	3.494

Fonte: SAMAE Blumenau

4. Social and development Indicators

4.1 Child death rate and death rate per year - for 1000 inhabitants - 2007 to 2013

YEAR	Child death*	General death**
2007	12,8	5,07
2008	13,9	5,11
2009	10,6	5,17
2010	10,1	5,41
2011	10,4	5,41
2012	11,8	5,14
2013	8,9	4,91

Source: Brazilian Health Ministry – SIH/SUS, SIA/SUS and Health National Fund. * Per 1000 living births. ** Per 1000 inhabitants

4.2 Living births per mother's residence, year of birth and sex – 2009 to 2013

YEAR	Sex		TOTAL	Born Tax Rate
	Male	Female		
2009	2.122	1.953	4.075	13,4
2010	2.079	1.987	4.066	13,2
2011	2.145	2.075	4.220	13,5
2012	2.248	2.151	4.399	13,9
2013	2.155	2.113	4.268	12,9

Source: MS/SVS/DASIS – System of Information on Living Births - SINASC

4.3 Civil estimate cost for health – 2010 to 2013

Data and Indicators	2010	2011	2012	2013
Medical expenses per capita (R\$)	550,16	629,95	689,72	764,20
Own resources expenses per capita.	215,12	284,27	334,64	375,82
SUS Transferences per capita	332,67	352,51	366,80	405,85
% payroll overhead	36,80	40,11	42,58	42,3
% investment expenses / total expenses	1,68	0,98	0,6	1,5
% SUS Transf. / total expenses with healthy care	60,47	55,96	53,18	53,1
% own resources applied in healthy care (EC 29)	19,46	22,84	24,26	25,5
% expenses with third parties - legal person / total expenses	49,27	48,18	45,43	44,6
Total expenses with healthy care (R\$ 1000)	164.727	196.944	218.046	251.484
Total expenses with own resources (R\$ 1000)	64.409	88.871	105.792	123.674
SUS Transferences (R\$ 1000)	99.607	110.205	115.959	133.558
Payroll overhead (R\$ 1000)	60.625	78.990	92.847	106.369
Taxes revenue and constitutional transferences	331.422.737	389.106.847	436.150.192	485.466.288

Source: Healthy Care Ministry - Hospital Information System from SUS (SIOPS).

4.4 Indicators of ambulatory assistance – annual average values – 2011, 2012 and 2013

Indicator	2011	2012	2013
Nº of basic procedures per inhabitant	6,1	-	5,6
Specialized procedure value/inhabitant	R\$ 30,10	R\$ 31,66	R\$ 36,65
High complexity procedure value/inhabitant	R\$ 28,28	R\$ 29,65	R\$ 31,95

Source : SIA/SUS (Health Civil Services)

4.5 Enrollment by educational level, high school and elementary school - 2007 / 2014

YEAR	High School			Elementary School		
	Total	Private	Public	Total	Private	Public
2007	11.680	2.163	9.517	42.505	4.531	37.974
2008	11.541	2.397	9.144	42.268	4.672	37.596
2009	11.446	1.883	9.563	40.648	4.776	35.872
2010	11.197	1.836	9.361	40.318	4.851	35.467
2011	11.365	1.736	9.629	39.685	4.957	34.728
2012	11.813	1.817	9.996	38.839	5.067	33.772
2013	12.566	1.817	10.749	37.315	5.198	32.117
2014	13.247	1.853	11.394	36.193	5.326	30.867

Source: INEP - National Institute of Educational Studies and Research Anísio Teixeira.

4.6 School or nursery school attendants per level and education system – 2010

LEVEL OF EDUCATION	Education system			Participation % por level (10)
	Total	Private	Public	
Nursery School	7.058	1.927	5.131	7,8%
Pre-school or Starters (illiterate)	8.946	2.076	6.870	9,9%
Adult Starter (illiterate)	4.047	2684	1363	4,5%
Primary and Secondary School	35.481	5.268	30.213	39,2%
High School	13.136	1.848	11.288	14,5%
Under graduation	21.648	10.680	10.968	23,9%
Post graduation*	304	-	-	0,3%
TOTAL	90.620	24.483	65.833	100,0%

Source: INEP *GEOCAPES

4.7 Income Indicators – 1991, 2000 and 2010

INDICATOR	Years		
	1991	2000	2010
% of approp. income per the 10% richest population part	38,47	40,60	38,36
% of approp. income per the 20% poorest population part	4,99	4,51	5,93
% of income from employment	89,74	81,85	76,14
% of income from government transferences	8,50	18,15	-
% of people with 50% or more income provided by the government	5,20	10,07	-
% of people with income lower than 1/4 minimum wages*	1,30	1,78	0,46
% of people with income lower than 1/2 minimum wages*	6,10	5,87	3,54
Average Per Capita Income in Minimum Wages*	2,49	3,06	1,55
Average per capita income of the first fifth poorest in minimum wages*	0,61	0,65	0,19
Average per capita income of the first fifth richest in minimum wages*	6,67	8,62	4,96
Gini Index**	0,47	0,50	0,46

* Value of minimum salary of april/00 = R\$151,00

** Gini Index: numerical measure of income inequality ranging from 0 (perfect equality) to 1 (perfect inequality).

Source: Atlas of Human Development in Brazil

4.8 Human Development Indicators (IDH) – 1970 to 2010 and projection for 2015

Year	IDH-Average	Growth %
1970	0,674	
1980	0,797	18,2%
1991	0,611	-23,3%
2000	0,722	18,2%
2010	0,806	11,6%
2015*	0,850	5,5%

Source: Atlas of Human Development in Brazil. * Estimative based on growth of previous decade

4.9 Human Development Indicators – 2010

Indicator	Index	Classification	
		In the state	In the Country
IDH – Average	0,806	6º	25º
Longevity	0,894	1º	1º
Education	0,722	22º	162º
Income	0,812	7º	37º

Source: Atlas of Human Development in Brazil

4.10 Indicators of education, 25-year-old people or over – 1991, 2000 and 2010

INDICATOR	YEARS			Evolution 00/10 %
	1991	2000	2010	
Taxa de frequência líquida ao básico	79,19	90,35	84,82	-6,12%
Taxa de frequência líquida ao fundamental	85,59	94,91	91,14	-3,97%
Taxa de frequência líquida ao médio	28,91	54,81	47,83	-12,73%
Taxa de frequência líquida ao superior	6,91	16,27	22,86	40,5%
% de 25 anos ou mais c/ fundamental completo	37,01	46,17	61,55	33,3%
% de 25 anos ou mais com médio completo	21,12	27,31	41,22	50,9%
% de 25 anos ou mais c/ superior completo	6,69	8,56	15,49	81,0%

Fonte: Atlas do Desenvolvimento Humano no Brasil.

4.11 Social Indicators – 1991, 2000 and 2010

INDICATOR	YEARS			Evolution 00/10 %
	1991	2000	2010	
Infant mortality*	21,34	21,33	8,55	-59,92%
Survival probability up to 60 years old	83,25	84,62	88,12	4,14%
Survival probability up to 40 years old	93,77	94,51	95,9	1,47%
Life expectancy at birth, in years	71,31	74,54	78,64	5,50%
Poverty percentual	4,64	3,86	1,02	-73,58%
Total fecundity rate**	2,22	1,84	1,47	-20,11%
Mortality rate per 1000 residents		4,48	5,41	20,76%
% of women between 10-17 years w/ children	4,04	4,52	3,68	-18,58%

* Per One thousand of births.

** fecundity rate = average number of children that a woman would have in her reproductive period

Fonte: Atlas do Desenvolvimento Humano no Brasil.

5. Economic Aspects

5.1 Population, EAP, employment and salary mass – Selected years

Year	Indicators			
	Population	EAP*	Formal employment	Salary Mass R\$**(1000)
1991	212.025	-	-	-
2000	261.808	141.947	77.630	49.547
2005	283.708	148.676	98.315	90.525
2010	309.011	186.036	128.888	184.183
2015(1)	339.585	212.977	137.371	318.459

* Economic Active Population. **R\$ current

Source: IBGE (Statistics and Geography Brazilian Institute) – MTE Labor Ministry

(1) Sigad estimative

5.2 GDP, state position, fiscal added value (FAV) and participation % SC – Selected years

YEAR	GDP*	GDP position in the State	FAV*	Participation% - State
2000	3.237.546	2º	2.038.015	7,4563
2005	5.254.645	2º	3.813.945	5,3258
2010	9.284.364	4º	6.343.477	6,0888
2012	10.927.079	4º	8.242.317	6,4390
2013	12.623.877	4º	8.662.100	6,2660
2014(1)	14.045.835		9.181.826	

*R\$ 1,000 current

Source: Finance and Planning Secretary of Santa Catarina State

1 - Sigad Projection

5.3 Participation of the main gross aggregates in GDP of Blumenau - 2010 and 2015

Aggregate	2010	2015(1)
Gross Value Added GVA - Industry	31,9%	36,5%
Gross Value Added GVA - Services	44,9%	42,9%
Gross Value Added GVA - Public Administration	8,4%	9,1%
Gross Value Added GVA - Others Activities ²	14,8%	11,7%

Source: IBGE, Research Directory, National Builds Coordination

1 - Sigad Estimative

2 - Other Activities and taxes

5.4 EAP, population, employment (proportions), GDP per employment, GDP per capita and IVPG (Price General Variation Index) - 2010 to 2014

Year	Indicators					
	EAP/ Population	Employment/ population	Employment/ EAP	GDP per employment*	GPD per capita*	IVGP Blumenau %
2010	60,2%	41,7%	69,3%	76.800,49	32.012,33	5,36
2011	61,1%	42,2%	69,1%	83.358,51	35.197,56	7,03
2012	62,1%	42,0%	67,7%	90.337,69	37.983,16	5,48
2013	61,3%	41,4%	67,6%	94.601,05	39.179,51	6,31
2014 (1)	62,1%	40,9%	66,0%	99.690,07	40.822,24	5,80

*R\$ current. (1) Sigad Estimative

Source: IBGE, Labor Ministry and Finance and Planning Secretary of SC State.

5.5 Trade Balance of Blumenau and participation % on State - 2005 to 2014
(US\$ 1,000 FOB)

Year	Export	Import	Balance	Participation on State	
				Export	Import
2006	435.796	149.078	286.719	7,28%	4,30%
2007	531.683	205.902	325.781	7,20%	4,12%
2008	554.561	288.201	266.360	7,20%	3,96%
2009	445.127	310.430	134.697	6,93%	4,26%
2010	487.048	552.101	-65.053	6,43%	4,61%
2011	573.068	676.878	-103.810	6,33%	4,56%
2012	590.057	576.878	13.179	6,61%	0,09%
2013	530.270	607.546	-77.276	6,10%	0,66%
2014	467.640	624.880	-157.241	5,20%	0,97%
2015	455.893	435.288	20.605	5,96%	3,45%

Source: Ministry of Development, Industry and Foreign Trade

5.6 Export from Blumenau - Principal Countries of Destination - 2014 and 2015

Country	2014 (Jan/Dec)		2015 (Jan/Dec)		Var % (US\$) 2015/2014
	US\$ F. O.B.	Part %	US\$ F.O.B.	Part %	
1 Netherlands (Holland)	50.737.769	10,8	56.442.396	15,6	11,2
2 Belgium	33.815.644	7,2	40.500.304	11,3	19,77
3 Russia	32.632.551	7,0	40.487.502	7,3	24,07
4 Turkey	29.671.598	6,3	34.608.746	5,6	16,64
5 Paraguay	35.497.329	7,6	25.373.309	4,7	-28,52
6 Nigeria	18.938.546	4,0	24.455.502	4,6	29,13
7 Romania	20.490.880	4,4	24.052.697	4,2	17,38
8 USA	19.107.737	4,1	17.821.364	3,8	-6,73
9 Singapore	11.160.123	2,4	14.250.530	3,7	27,69
10 Chile	6.976.986	1,5	13.600.283	3,4	94,93

Source: Ministry of Development, Industry and Foreign Trade

5.7 Import from Blumenau (SC) - Principal Countries of Origin- 2014 and 2015

Country	2014 (Jan/Dec)		2015 (Jan/Dec)		Var % (US\$) 2014/2015
	US\$ F. O.B.	Part %	US\$ F.O.B.	Part %	
1 China	240.446.990	38,5	189.355.869	43,5	-21,25
2 India	38.611.799	6,2	24.944.410	5,7	-35,40
3 Turkey	29.398.632	4,7	19.599.691	4,5	-33,33
4 Bangladesh	18.585.178	3,0	19.012.894	4,4	2,30
5 Germany	28.439.708	4,6	18.605.793	4,3	-34,58
6 Indonesia	21.369.998	3,4	12.770.653	2,9	-40,24
7 USA	18.444.676	3,0	11.601.632	2,7	-37,10
8 Japan	22.048.855	3,5	11.587.636	2,7	-47,45
9 Malaysia	9.923.891	1,6	11.397.396	2,6	14,85
10 Paraguay	15.636.666	2,5	9.692.496	2,2	-38,01

Source: Ministry of Development, Industry and Foreign Trade

5.8 Number of institutions per Economy Activity Section - Selected years

Economy Activity Section	Years			
	2000	2005	2010	2014
Agriculture, Cattle raising	43	68	70	70
Extractive Industry	16	15	12	8
Transformation Industry	2.775	3.206	3.577	3.677
Electricity, gas and water	2	4	24	47
Construction	612	596	979	1.364
Trading, Repairing	6.740	8.113	8.449	8.507
Accommodation and food services	1.001	1.112	1.205	1.287
Transport, Communication	533	657	869	1.058
Financial advising	370	386	460	537
Services to companies	3.335	4.090	4.678	5.742
Civil Administration	23	28	32	33
Education	136	176	287	353
Health and Social Service	623	678	763	850
Other collective services	906	1.253	1.425	1.477
Domestic Services	13	15	10	6
Not informed	1	9	5	3
TOTAL	17.129	20.406	22.845	25.019

Source: Labor Ministry - RAIS.

5.9 Average salary from formal employment contracts in current values per economic activity – Selected years

Economy Activity Section	Year - Current Average Salary (R\$)			
	2000	2005	2010	2014
Extractive Industry	576,46	1.093,51	1.594,75	2.538,43
Transformation Industry	575,72	888,07	1.335,24	1.947,75
Electricity, gas and water	1.502,93	2.608,93	4.946,96	6.368,28
Construction	488,22	651,67	1.087,88	1.614,43
Trading, Repairing	491,23	751,78	1.177,31	1.728,18
Accommodation and food services	400,56	555,39	875,61	1.297,56
Transport, Communication	641,39	909,96	1.324,89	1.861,06
Financial advising	1.818,99	2.381,88	2.765,41	3.658,84
Services to companies	520,59	806,59	1.385,31	2.228,69
Civil Administration	963,29	1.103,65	2.341,79	3.644,25
Education	1.317,70	1.818,96	2.532,10	3.606,30
Health and Social Service	618,66	880,72	1.402,31	2.103,40
Other collective services	566,42	846,78	1.251,78	1.641,03
Domestic Services	197,76	401,62	882,79	1.559,60
TOTAL	638,25	920,76	1.429,02	2.187,42

Source: Labor Ministry - RAIS.

5.10 Number of institutions per size - Selected years

Nº Employees	Year			
	2000	2005	2010	2014
None	10.823	12.529	13.238	14.602
Up to 4	3.968	4.698	5.602	6.108
From 5 to 9	1.105	1.555	1.874	2.084
From 10 to 19	671	877	1.115	1.197
From 20 to 49	368	491	669	661
From 50 to 99	107	149	183	191
From 100 to 249	51	66	99	103
From 250 to 499	21	23	38	46
From 500 to 999	7	10	19	17
1000 or over	8	8	8	10
TOTAL	17.129	20.406	22.845	25.019

Source: Labor Ministry - RAIS.

5.11 Number of employment per group size – Selected years

Nº. Employees	Years				
	2000	2005	2010	2012	2014
Up to 4	7.715	9.337	11.053	11.766	12.090
From 5 to 9	7.253	10.210	12.319	12.691	13.654
From 10 to 19	9.108	11.752	15.019	15.898	16.100
From 20 to 49	11.283	14.565	19.793	20.447	19.531
From 50 to 99	7.542	10.295	12.474	12.204	12.852
From 100 to 249	8.416	10.347	14.864	17.238	16.339
From 250 to 499	6.987	7.947	12.356	12.648	15.725
From 500 to 999	4.851	6.032	14.019	14.711	12.982
1000 or over	14.475	17.830	16.991	15.320	18.073
TOTAL	77.630	98.315	128.888	132.923	137.346

Source: Labor Ministry - RAIS.

5.12 Employment per Economy Activity Section – Selected years

Economy Activity Section	Years				
	2000	2005	2010	2012	2014
Agriculture, Cattle raising	129	126	248	191	152
Fishing	-	14	1	4	9
Extractive Industry	63	47	47	44	36
Transformation Industry	32.734	40.223	49.829	46.773	45.711
Electricity, gas and water	770	625	629	554	588
Construction	2.555	2.539	5.635	6.565	6.694
Trading, Repairing	13.430	18.729	25.003	27.360	28.184
Accommodation and food services	2.058	3.185	5.065	5.175	5.925
Transport, Communication	3.772	4.468	5.804	6.511	6.560
Financial advising	1.876	2.099	3.286	3.785	4.361
Services to companies	8.101	10.190	13.904	15.866	16.735
Civil Administration	4.829	5.965	6.214	6.038	6.556
Education	2.420	3.094	4.952	5.079	6.084
Health and Social Service	2.823	3.485	4.842	5.102	5.844
Other collective services	2.052	3.501	3.410	3.861	3.896
Domestic Services	18	25	17	13	9
International Organizations			2	2	2
TOTAL	77.630	98.315	128.888	132.923	137.346

Source: Labor Ministry - RAIS.

5.13 Number of workers per level of education – Selected years

Educational grade	Years			
	2000	2005	2010	2014
Illiterate	382	212	325	252
Unfinished 5th grade	1.848	1.863	2.218	2.352
5th grade	8.283	6.395	5.199	4.063
Unfinished 9th grade	14.290	11.927	11.937	9.816
9th grade	18.581	21.528	23.031	20.761
Unfinished High School	10.404	13.558	15.601	14.552
High School	13.737	26.291	44.162	50.700
Undergraduate	3.878	6.202	8.839	9.831
Graduate	6.227	10.339	17.113	23.813
Master degree	-	-	205	872
Doctorate	-	-	258	334
TOTAL	77.630	98.315	128.888	137.346

Source: Labor Ministry - RAIS.

5.14 Industry employment per activity division – Selected years

ECONOMY ACTIVITY DIVISION	Years			
	2000	2005	2010	2014
Food and Beverage	1.184	1.476	2.119	2.208
Tobacco	214	263	263	281
Textiles	15.049	16.828	19.004	13.378
Clothing	7.229	9.598	11.949	11.721
Leather	116	94	100	75
Wood	321	348	421	364
Wood pulp, paper	900	638	1.407	1.192
Edition, press	1.032	1.410	1.347	1.890
Chemical products	255	351	456	1.831
Rubber and plastic	884	1.050	1.844	1.708
Non metallic minerals	865	1.409	1.240	1.092
Basic metallurgy	891	1.255	1.142	1.215
Metal products	829	1.411	1.637	1.744
Machinery and equipment	879	1.561	2.250	2.678
Office machinery and computers	14	18	73	67
Electrical machinery and equipment	965	1.447	2.796	2.536
Communication and electronic equipment	28	41	55	149
Medical an hospital equipment	115	179	123	223
Vehicles and Wagons	170	110	149	110
Other transport equipments	-	57	607	584
Furniture and others	765	580	730	607
Recycling	29	99	106	58
TOTAL	32.734	40.223	49.829	45.711

Source: Labor Ministry - RAIS.

5.15 Wage Mass per Economy Activity Section - Selected year

Economy Activity Section	Wage mass R\$ (million) current			
	2000	2010	2012	2014
Agriculture, Cattle raising	120.605	255.183	237.567	252.798
Fishing	0	1.164	5.118	11.656
Extractive Industry	59.560	74.953	100.748	88.603
Transformation Industry	52.446.487	66.533.916	75.220.401	84.562.847
Electricity, gas and water	2.724.600	3.111.641	3.297.865	3.103.258
Construction	4.182.581	6.130.183	9.077.272	8.989.206
Trading, Repairing	21.983.720	29.436.299	39.220.021	44.285.372
Accommodation and catering	2.909.943	4.434.944	5.686.511	6.583.195
Transport and communication	6.112.286	7.689.683	10.226.490	11.592.093
Financial advising	6.966.527	9.087.126	11.986.982	13.608.813
Services to companies	12.694.855	19.261.333	28.441.633	32.951.532
Civil Administration	11.412.335	14.551.863	18.546.958	22.038.768
Education	7.403.791	12.538.973	15.188.494	18.159.570
Health and Social Service	4.620.578	6.790.003	8.442.458	10.191.909
Other collective services	3.601.239	4.268.581	5.696.269	5.927.787
Domestic Services	25.584	15.007	15.355	21.555
TOTAL	137.264.692	184.180.851	231.390.142	262.368.962

Source: Labor Ministry - RAIS.

5.16 Employment numbers per gender - Selected year

Nº of employments per gender	Year			
	2000	2005	2010	2014
Male	44.367	54.519	70.380	73.685
Female	33.263	43.796	58.508	63.661
Total	77.630	98.315	128.888	136.291
Female participation %	42,8%	44,5%	45,4%	46,7%

Source: Labor Ministry - RAIS.

5.17 Number of workers - Industry - for size - Selected years

Nº. EMPLOYEES	Years			
	2000	2005	2010	2014
Up to 9	3.090	4.220	23.372	25.744
From 10 to 19	3.099	3.754	15.019	16.100
From 20 to 49	4.033	5.173	19.793	19.531
From 50 to 99	3.079	4.517	12.474	12.852
From 100 to 249	4.805	5.188	14.864	16.339
From 250 to 499	2.753	3.411	12.356	15.725
From 500 to 999	2.772	2.964	14.019	12.982
1000 or over	9.103	10.996	16.991	18.073
TOTAL	32.734	40.223	128.888	137.346

Source: Labor Ministry - RAIS.

6. City Finances

6.1 Blumenau City Hall's Revenue per category (not consolidated) Selected years

R\$ 1,000 (current)

REVENUE	Year			
	2005	2010	2012	2014
Tax revenue	63.116	124.823	171.907	220.450
Contribution revenue	2.562	14.656	20.961	23.990
Patrimony revenue	11.202	1.529	2.779	5.847
Service revenue	-	0	46	24
Current transfereces	146.571	249.735	328.136	389.446
Other current revenues	15.084	14.861	17.114	20.565
Credit Operations	5.139	13.444	32.720	3.838
Alienation of goods	270	93	0	0
Money transference	2.330	3.182	19.978	19.975
Other revenue types	-	0	0	0
TOTAL	246.274	422.325	593.641	684.136

Source: Finance Secretary – Accounts Department – Blumenau City Hall.

6.2 Expenses per elements – Selected years – R\$ 1,000 (current)

EXPENSES	YEAR			
	2005	2010	2012	2014
Current Expenses	163.031	273.451	361.081	406.473
Other cost expenses	57.934	157.011	205.636	242.243
Current tranferences	9.367	2.386	6.637	5.856
Personnel and payroll overhead	91.482	109.284	143.270	152.439
Interests and debt charges	4.249	4.770	5.538	5.935
Expenses of capital	29.581	48.493	86.915	73.460
Investments	20.551	31.144	68.446	45.461
Money Transferences	2.100	240	552	500
Debt Amortization	6.930	17.109	17.917	27.498
TOTAL	192.613	321.944	447.996	479.933

Source: Santa Catarina State Court of Accounts.



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