



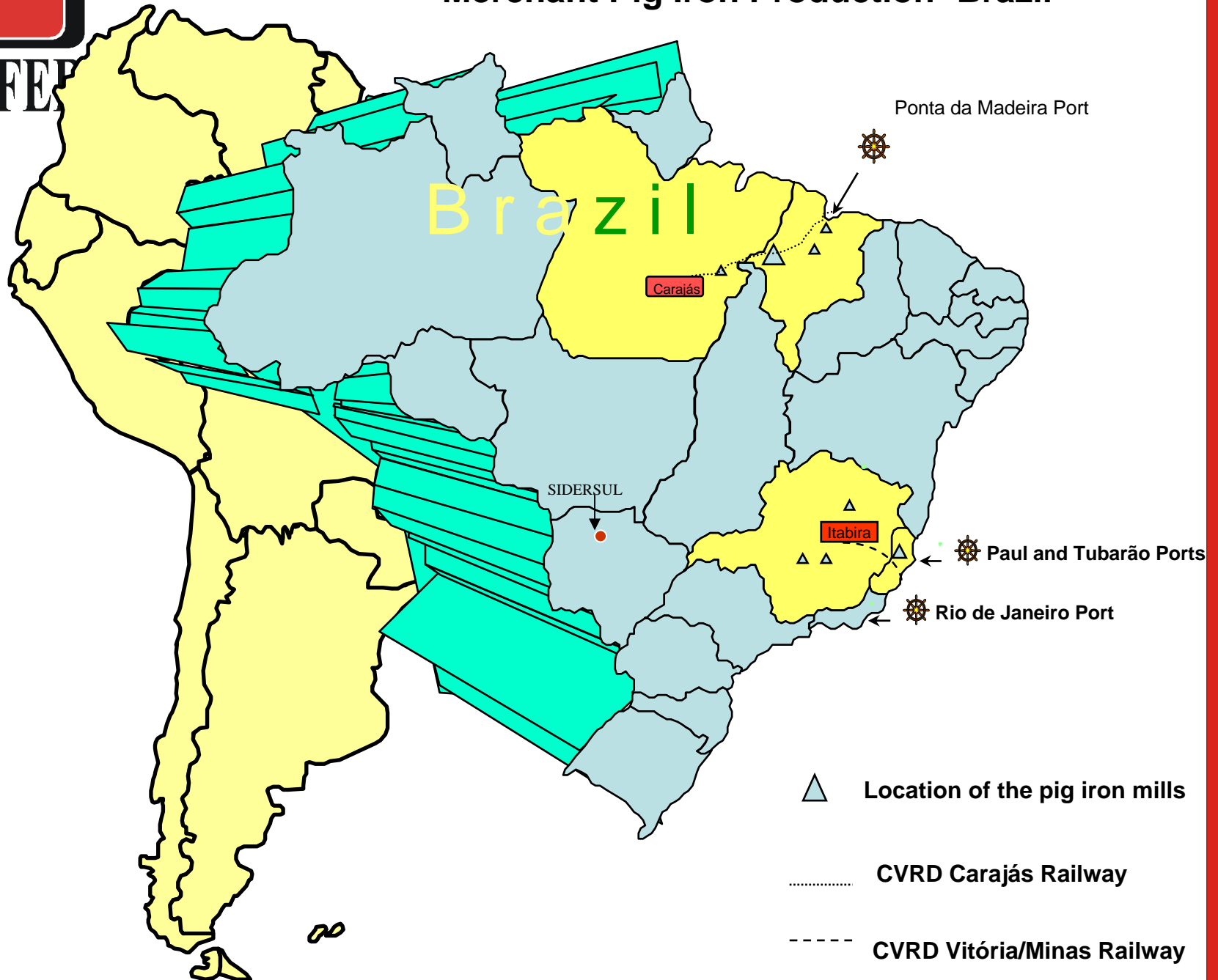
PIG IRON PRODUCTION AND LOGISTICS IN SOUTHERN BRAZIL

IPIA – INTERNATIONAL PIG IRON ASSOCIATION

Member's Meeting

Rio de Janeiro, February 23rd 2006

Merchant Pig Iron Production -Brazil





PIG IRON PRODUCTION CAPACITY IN MINAS GERAIS

Unidade / Unit: ton/month			
Localização <i>Location</i>	Empresas <i>Companies</i>	Altos fornos <i>Blast furnaces</i>	Capacidade nominal <i>Nom. Capac.</i>
Estado de Minas Gerais State of Minas Gerais			
Região Oeste / Western Region			
Divinópolis	10	16	73.700
Pará de Minas	2	4	36.000
Outros Municípios / <i>Other Municipalities</i>	17	24	157.200
Soma / Amount	29	44	266.900
Região Noroeste / Northwestern Region			
Sete Lagoas	22	40	303.300
Outros Municípios / <i>Other Municipalities</i>	5	7	44.000
Soma / Amount	27	47	347.300
Região Metalúrgica / Metallurgical Region			
Betim / Contagem	2	9	55.000
Outros Municípios / <i>Other Municipalities</i>	4	6	36.700
Soma / Amount	6	15	91.700
Total	62	106	705.900
ANNUAL PRODUCTION CAPACITY (tons/year)			
			8.470.800



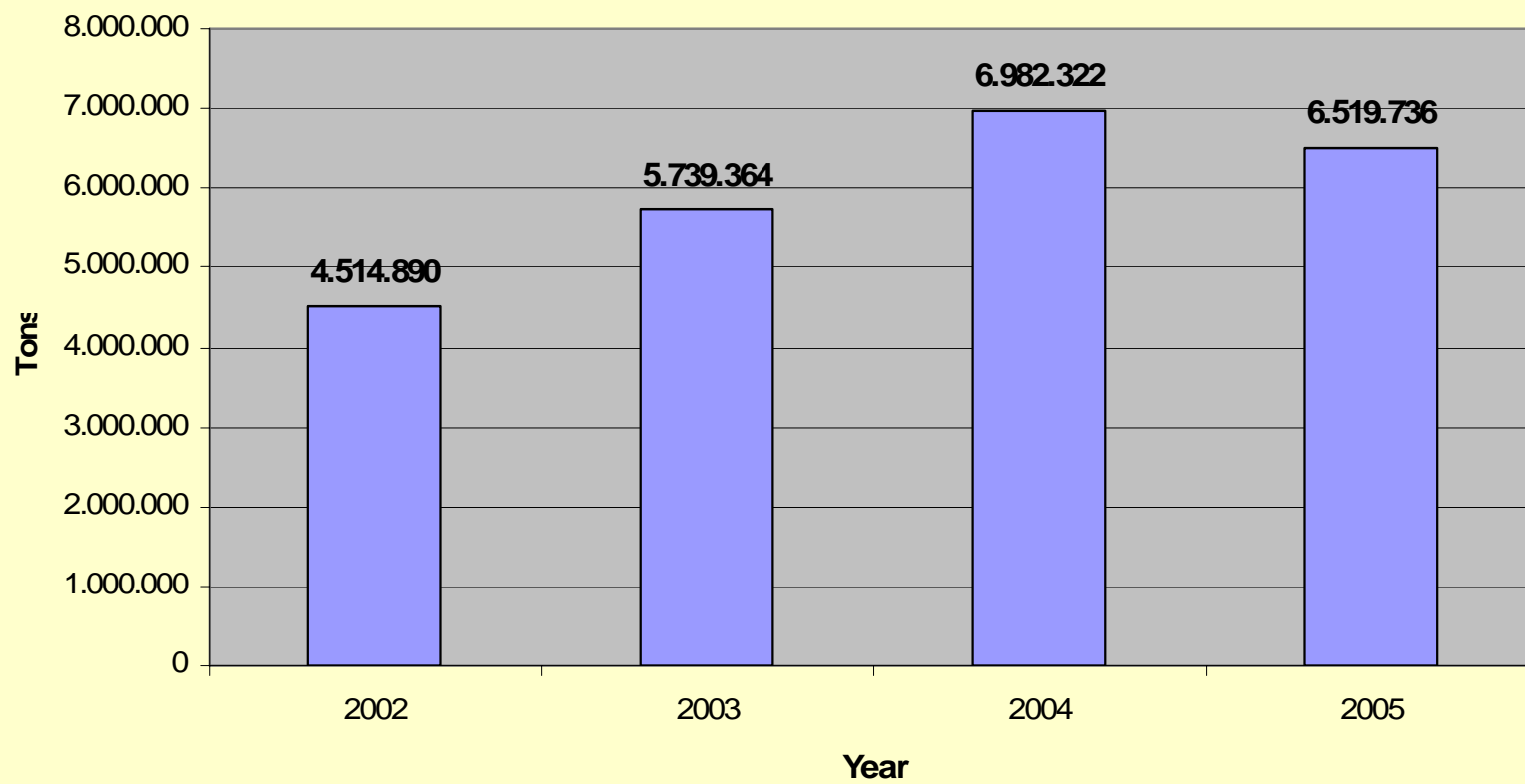
PIG IRON PRODUCTION CAPACITY IN ESPIRITO SANTO AND MATO GROSSO DO SUL

Unidade / Unit: ton/month			
Localização <i>Location</i>	Empresas <i>Companies</i>	Altos fornos <i>Blast furnaces</i>	Capacidade nominal <i>Nom. Capac.</i>
Estado do Espírito Santo / <i>State of Espírito Santo</i>	4	7	60.500
Estado de Mato Grosso do Sul / <i>State of Mato Grosso do Sul</i>	1	2	20.000
Total	5	9	80.500
ANNUAL PRODUCTION (tons/year)			966.000

Unidade / Unit: ton/month			
Localização <i>Location</i>	Empresas <i>Companies</i>	Altos fornos <i>Blast furnaces</i>	Capacidade nominal <i>Nom. Capac.</i>
Estados do Sul / <i>Southern States</i>	67	115	786.400
ANNUAL PIG IRON PRODUCTION CAPACITY (tons/year)			over 9 Million Metric Tons

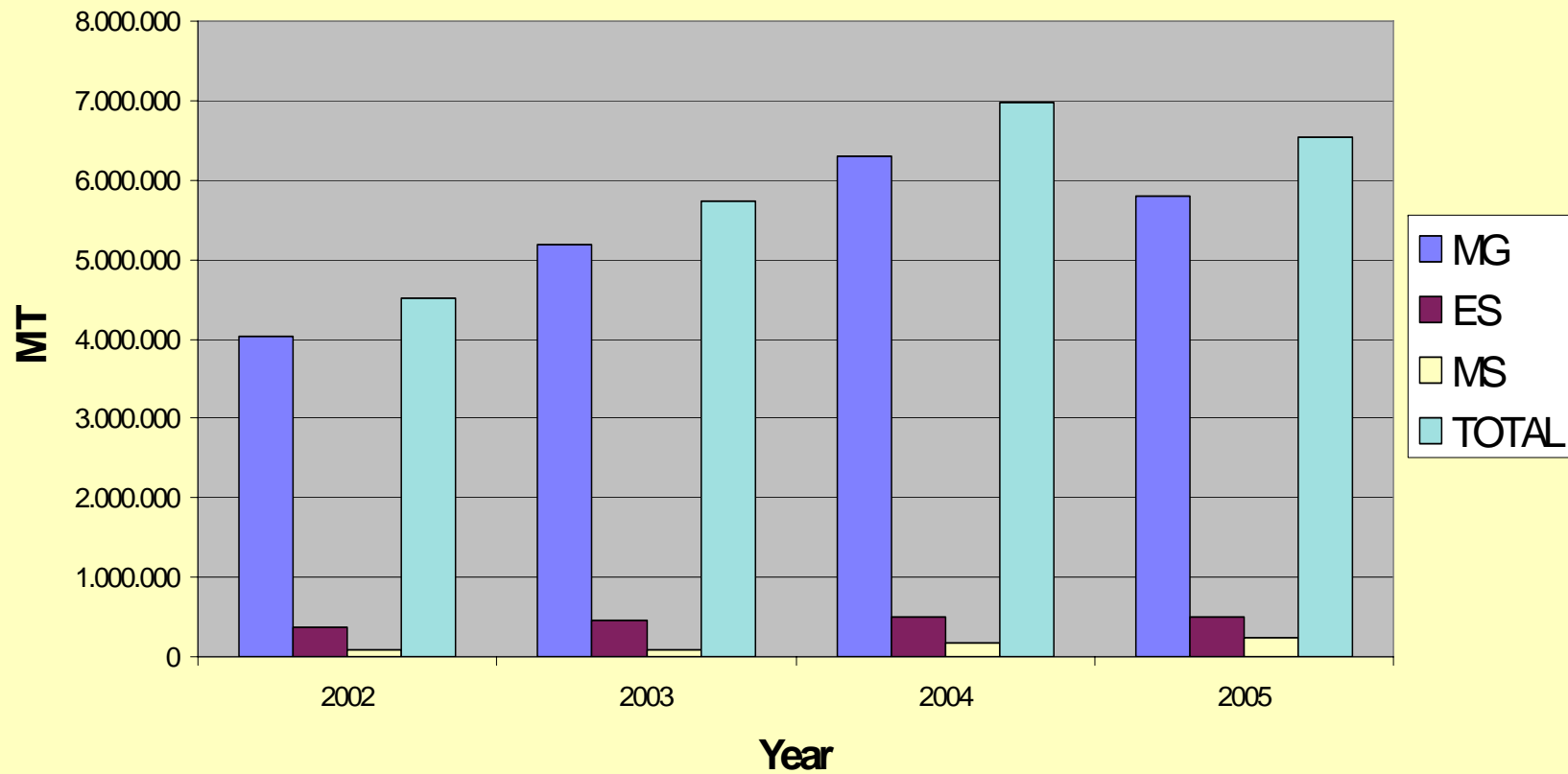


Pig Iron Production Southern Brazil

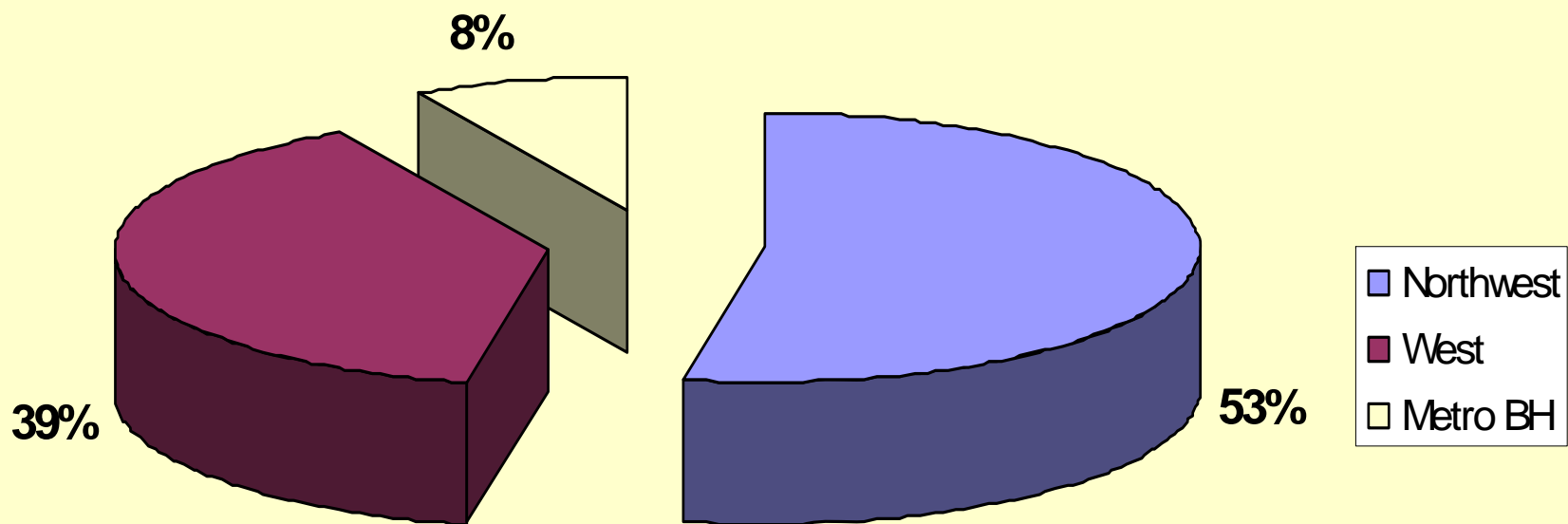




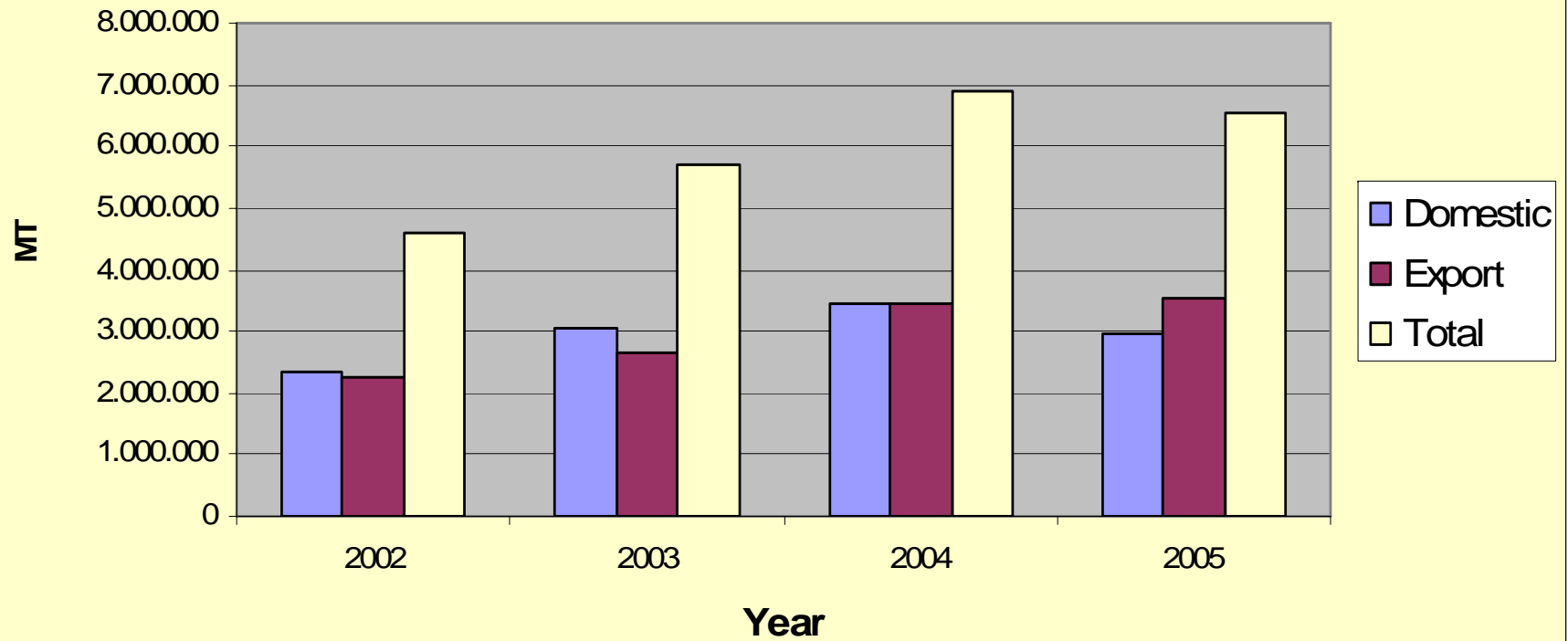
Pig Iron Production - Southern States



Minas Gerais Distribution 2005

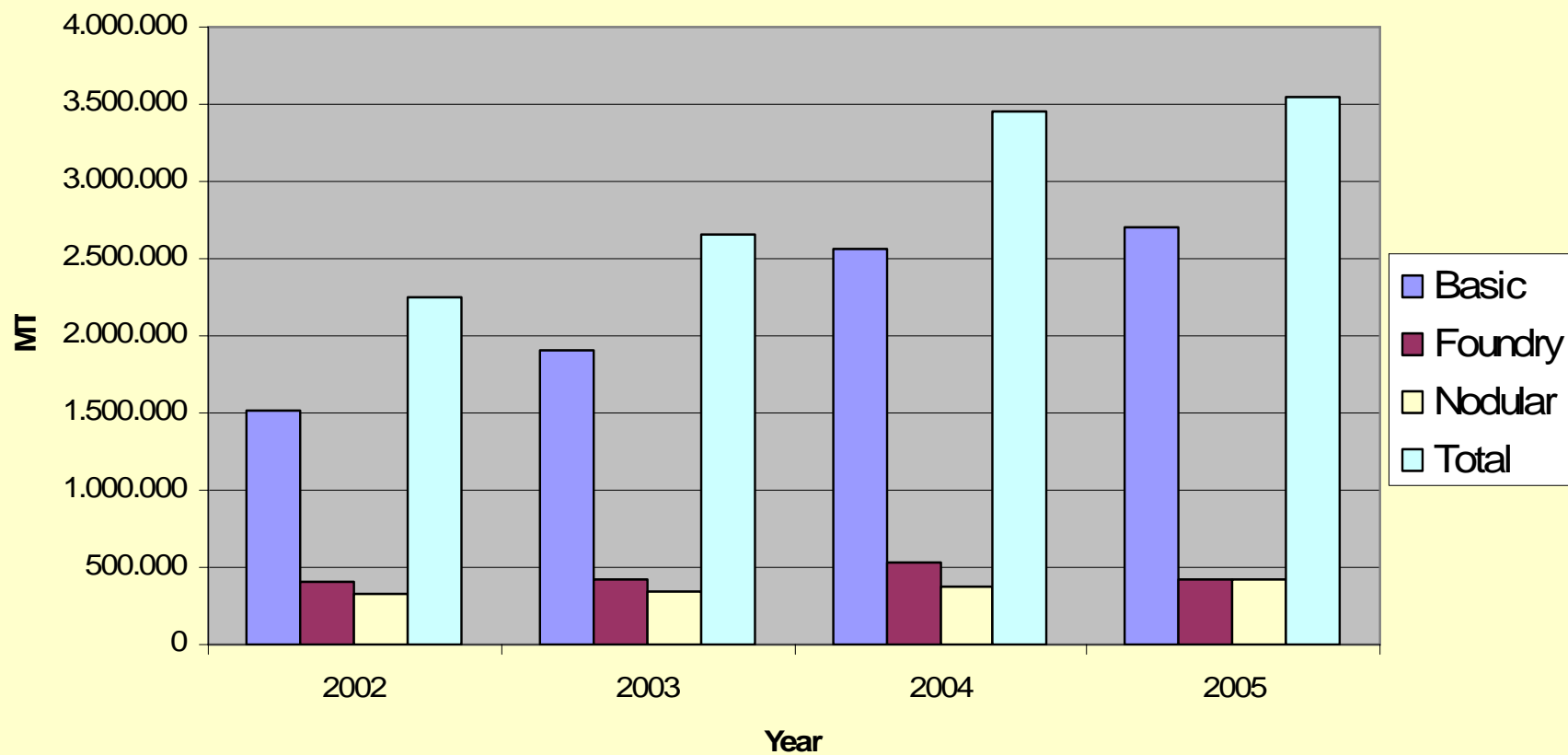


Sales Southern Brazil



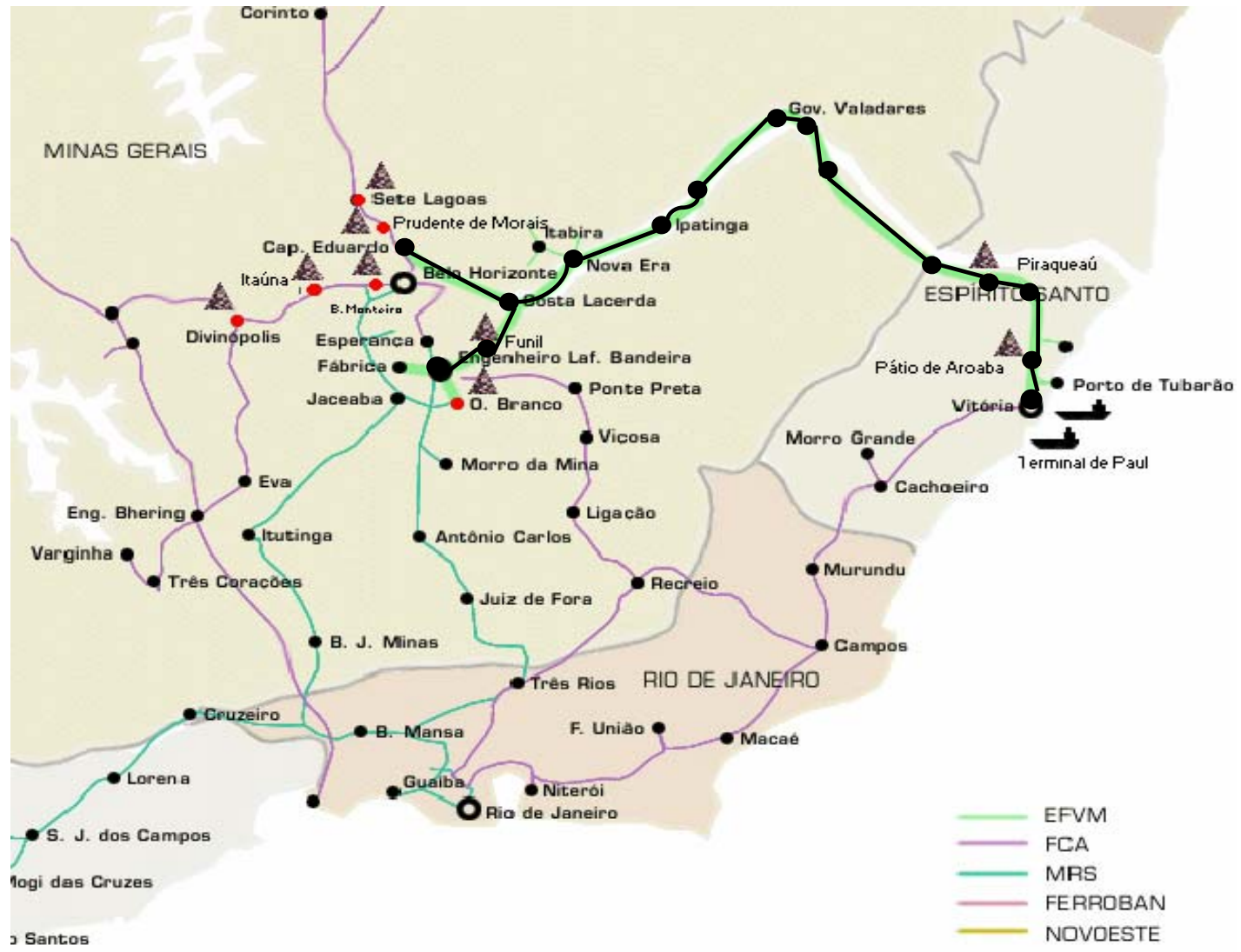


Pig Iron Export Grades - Southern Brazil





SINDIFER





Paul Quay – Vitoria, ES







Rio de Janeiro Port

Topoff operations with barges





Southern Brazil Exports 2005

Vitoria System – 2.9 million tons

Rio System – 0.7 million tons



Port Alternatives

COSIPA – São Paulo

UBU – Espírito Santo

Sepetiba – Rio de Janeiro