

South Moravian Region



CZECHINVEST

Investment and Business Development Agency

South Moravian Region

Regional Presentation



Partner in Region



www.rrajm.cz/home.html

OBSAH PREZENTACE



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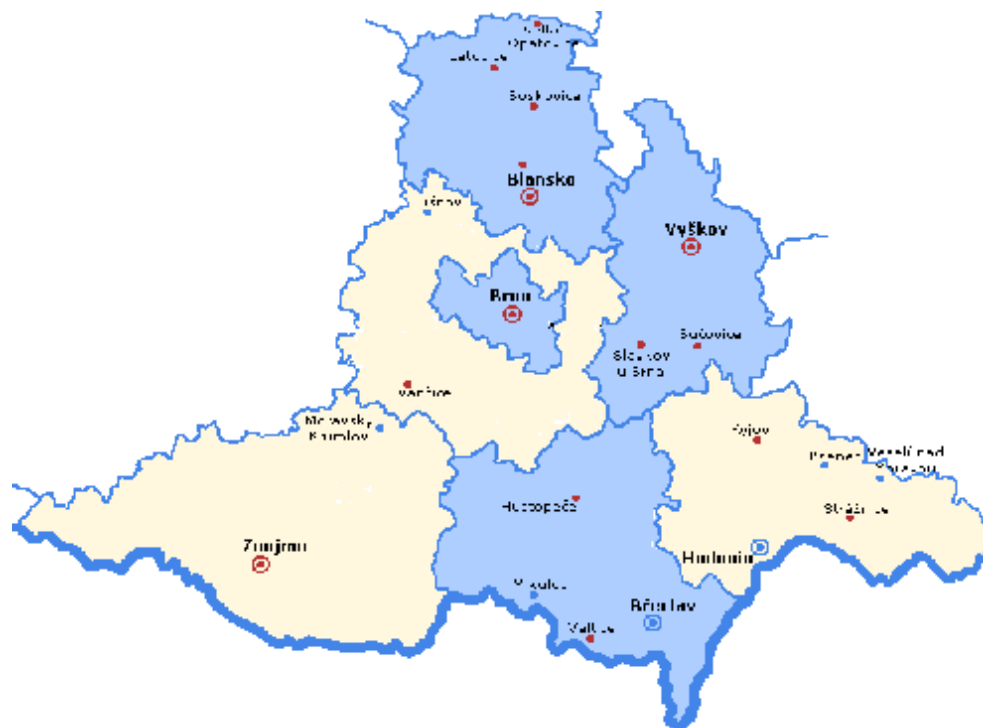
SOUTH MORAVIAN REGION



Regional Overview



South Moravian Region



Area (km²)	7,197
Total Population 2006	1,130,358
Capital of the Region :	
Brno 2006	366,757
Population density	151,1/km
Population density	157,1/km²
Average age:	40 years
Labor force 2005	589,425
GDP per capita	15,951 EUR

Other region municipal centers

Znojmo	Blansko
Břeclav	Kuřim
Hodonín	Vyškov

Brno

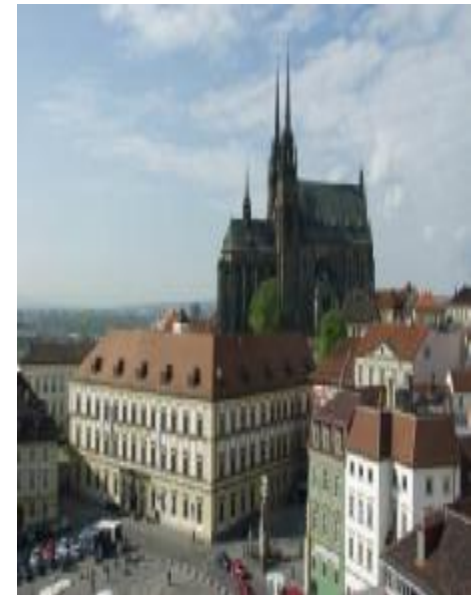
regional capital city



Total Population 2006	366,757
Temporary residents	40,000
Commuters	50, 000
Labour force – South Moravian Region	570, 000
Labour Force – Brno City	200, 000
Labour Force – Brno attraction zone	450, 000

Important facts about Brno

- centre of higher education
- judiciary centre (District Court, Region Court, Supreme Court, Constitutional Court, seat of ombudsman)
- fair trades and exhibition centre
- high standard of urban environment
- availability of suburban housing



SOUTH MORAVIAN REGION



Conventional Industries and Contemporary Development



Important industries



Engineering

- conventional industry of South Moravian Region
- severe decline during the 1990s
 - **Loss of important markets**
 - **Privatisation**
- re-growth on beginning of 21st century
- interest of foreign investors

Textile industry

- previously important industry, severe decline during 1990s
- number of companies has disappeared – competition from Asia
- the future is in research and development of new products and technologies

Important industries



Electro technical industry

- recent boom and major growth in last decade
- existing companies as well new foreign companies
- strong inflow of foreign investments
- high density of small and medium companies
- wide variety of production
- research and development – University of Technologies

Bio-technology. Pharmaceutical industry

- the industry of future
- drugs research and development, clinical medicine, diagnostic
- research and development base
- opportunity for region

Conventional industry



Conventional industry

Mechanical engineering

TOS Kuřim, Minerva Boskovice, Jihomoravská armaturka a.s., Adamovské strojírny a.s., Zetor Brno, Královopolská a.s. Brno, Alstom Power (bývalá 1. brněnská strojírna)

Textile

Nová Mosilana Brno, Tylex Letovice, Kordárna a.s.

Rubber

Gumotex Břeclav

Pharmaceutical

Pliva Lachema s.r.o., Bioveta a.s., Bioveta

Food industry

Starobrna, Černá Hora, Penam, Víno Mikulov

Metalworking industry

Rostex Vyškov

Electro technical

Metra Blansko

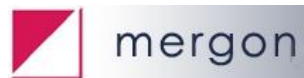


New industry



New industry

Precocious engineering	Daikin Industries (Japan), Honeywell (USA), Aguna (Switzerland)
Electro technical	Celestica (Canada), Tyco Electronic (USA)
Building materials	Saint-Gobain Vertex (Austria)
Medical tools	FEI(USA), Tescan(CR), BMT(CR,Germany, Switzerland)
Medical and health	Hartman-Rico (CR), Lohman & Rauscher (Austria)
Pharmaceutical	IQA (CR), BioVendor
Chemical industry	SIAD (Italy)
Plastic	Mergon (Ireland), JP Plast (CR), Car Clo Technical Plastic (GB)



Development of Business Support Services



Name	Country of origin	Number of employees	Type of activity
IBM GSDC	USA	2000	IT support services
Acer	Taiwan	100	Customer service
PPG Industries	USA	150	Support service –financing, accounting
Lufthansa	Germany	100	Call center
Infosys	India	100	Support services financing, accounting, IT
Symbol Technologies	VB	250	Customer service solution and financing and accounting



Software Development



COMPANY	TYPE OF PROJECT	NO. OF EMPLOYEES	LOCATION	PROJECT STARTED
LogicaCMG	Software Development Center	500 celkem 300 Brno	Prague, Brno	2002
Red Hat	Software Development Center	50	Brno	2006
SAP	CEE Software Localization	50+	Brno	2002
Siemens	Communication	N/A	Brno	N/A
Honeywell*	Global Design Center	N/A	Brno	2003
Grisoft	AVG software	200	Brno	1991



Honeywell



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Education

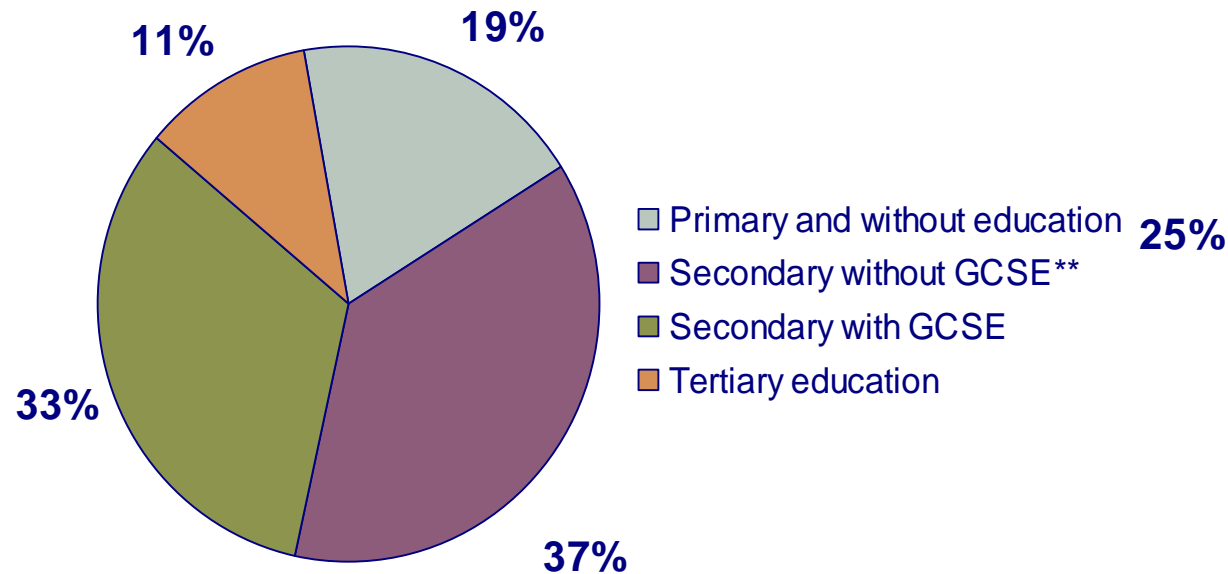


Human Resources

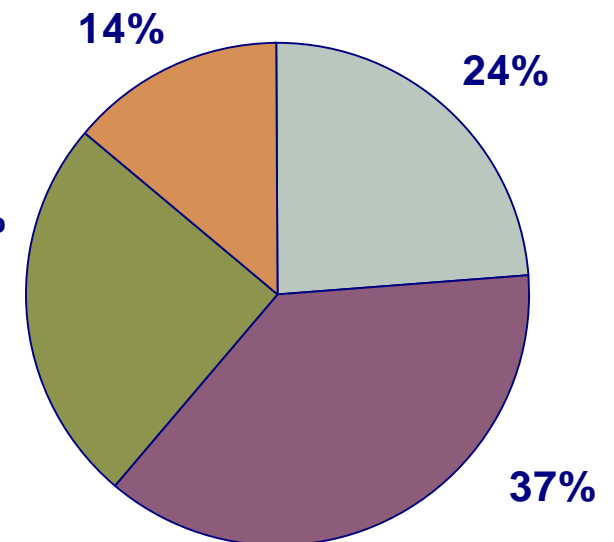
Education* achieved



Czech Republic



South Moravia Region



* Population aged 15 and over: by highest education attainment

** General Certificate of Secondary Education

Universities South Moravian Region



- total number of students: 66 250
- number universities - public 6 X private 6
- number of faculties: 29

Public Universities in Brno

Masaryk University in Brno

Brno University of Technology

Mendel University of Agriculture and Forestry in Brno

University of Defence

University of Veterinary and Pharmaceutical Sciences

Janáček Academy of Music and Performing Arts

Private Universities – 5 in Brno, 1 in Znojmě

Academy Sting, Karel Engliš College, Rašínova College, Brno International Business School, Newton College, College of Economics (Znojmo)



Masaryk University in Brno



Number of students:

Bachelor degree	17 185
Master degree	8 123
Master degree	4 463
Doctoral degree	2 934

Faculties – 9

- Faculty of Law (1919)
- Faculty of Medicine (1919)
- Faculty of Science (1919)
- Faculty of Arts (1919)
- Faculty of Education (1946)
- Faculty of Economics (199)
- Faculty of Informatics (1994)
- Faculty of Social Studies (1998)
- Faculty of Sport (2002)



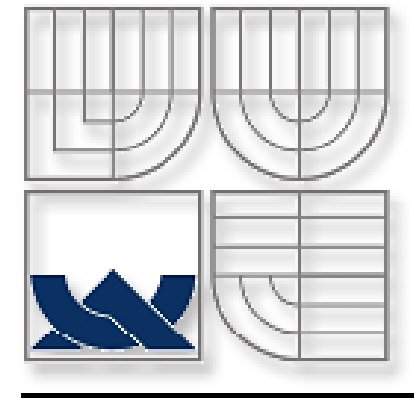
Brno University of Technology



Total number of students 20 563

Number of faculties – 8 faculties

- Chemistry (1992)
- Architecture (1919)
- Business and Management (1922)
- Civil Engineering (1899)
- Electrical Engineering and Communication (2002)
- Information Technology (2002)
- Mechanical Engineering (1900)
- Fine Arts (1993)



Others universities



Mendel University of Agriculture and Forestry in Brno

- Total number of students 7 480
- Four faculties
 - Forestry and Wood Technology (1919)
 - Agronomy (1919)
 - Business and Economics
 - Horticulture in Lednice (1952)

University of Veterinary and Pharmaceutical Sciences Brno

- Total number of students 2 369
- Three faculties
 - Veterinary Medicine (1918)
 - Veterinary Hygiene and Ecology (1991)
 - Pharmaceutical Sciences (1991)



Others universities



University of Defence

- Total number of students 1 775
- Three faculties, two in Brno
 - Economics and Military Management (2004)
 - Military Technology (2004)



Janáček Academy of Music and Performing arts in Brno

- Total number of students 562
- Two faculties
 - Music (1947)
 - Theatre (1947)



Private Universities



Name

Subjects of studies

Brno International Business School

Economic and Management

Academy Sting

Economic Policy and Administration
Economic and Management

Rašínova College

Economic and Insolvency
Crisis Management

Karel Engliš College

Economic and Insolvency

NEWTON College

Economic and Management

College of Economics in Znojmo

Economic and Management



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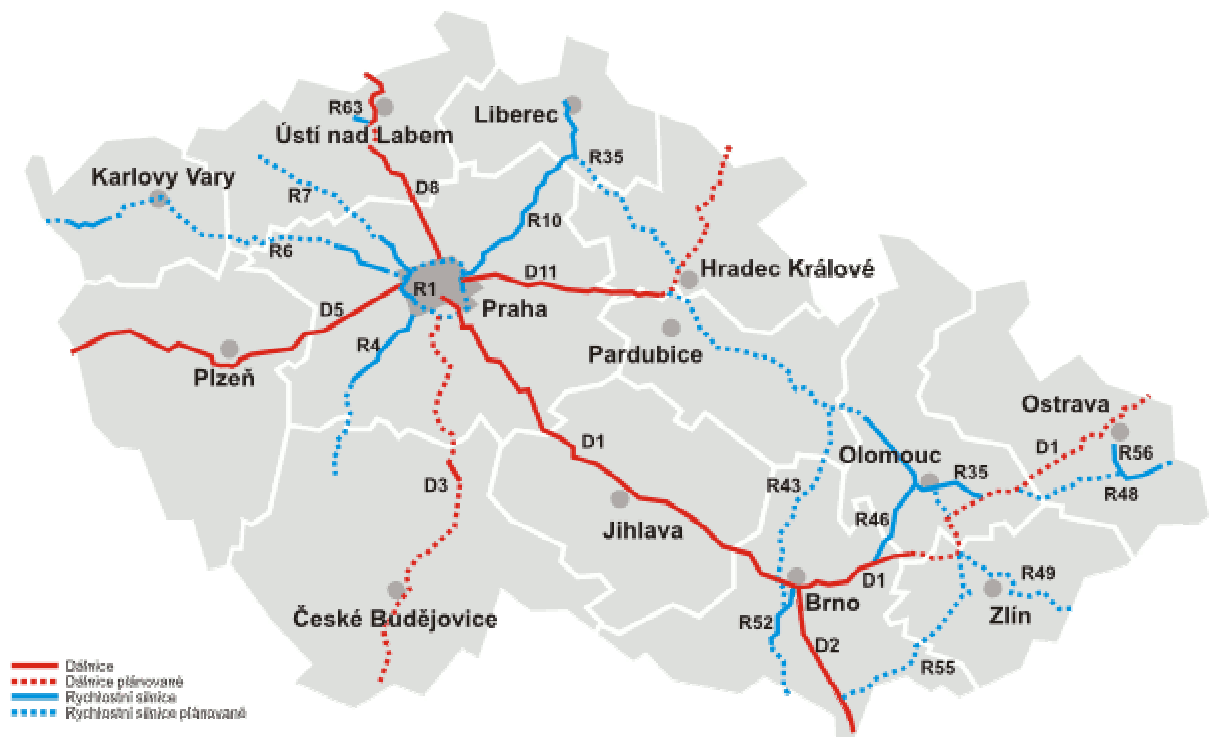
Transport



JIHOMORAVSKÝ KRAJ



- Brno – Praha 200km**
- Brno – Ostrava 180km**
- Brno – Olomouc 65km**
- Brno – Plzeň 300km**
- Brno – Bratislava 120km**
- Brno – Vídeň 110km**
- Brno – Budapešť 320km**
- Brno – Wroclaw 250km**
- Brno – Krakow 790km**



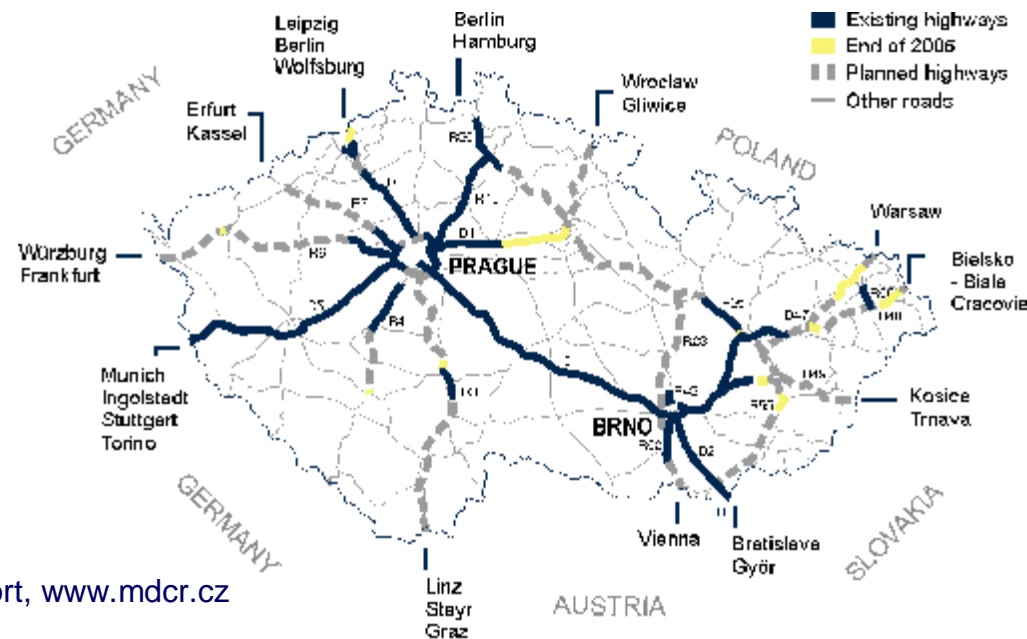
19 Border crossings

Transport

Road and Motorway Network



Highway	D1	Brno - Prague - Ústí nad Labem – Dresden
	D2	Brno - Bratislava
Motorway	D1,R46, R47	Brno – Olomouc – Krakow
	R52, I53	Brno – Břeclav – Vídeň
	R55	Slavkov u Brna – Uherské Hradiště – hranice s SK
	E59	Znojmo - Vídeň
City circle road	Brno	Pisárky – Žabovřesky – Královo Pole – Lesná – Židenice – Zábřdovice – Zvonařka – Staré Brno



Source: Ministry of Transport, www.mdcr.cz

Transport

International Airports and Railroads



International Railroads

- I. Berlin (D) – Prague – Brno – Vienna (A)– Bratislava – Budapest
- II. Gdańsk (PL) – Warszava (PL) – Ostrava – Přerov – Břeclav
- 250 Havlíčkův Brod – Brno – Bratislava (SK) – Vienna (A)
- 330 Přerov – Břeclav – Bratislava (SK) – Vienna (A)

Airport Brno – Tuřany

Owner:	Jihomoravský kraj
Operator	Letiště Brno a.s.
Num. passengers	315 672

Scheduled connections

Prague	2x / daily
London	1x / daily



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Business Properties



Business Parks



- **Interest in new industry zones**
- **Market demand is highest than offer**
- **Lack of green-fields**
- **Lack of free spaces**

- **Brno city**
 - CTPark Modřice, Brněnská průmyslová zóna – Černovická terasa, Slatina a.s., LEIS – Kaštanova 64, Czech Technology Park
- **Others**
 - Sudoměřice, Pohořelice (logistic), Hodonín – Kapřiska, Zadní Díly

Office spaces



-- Brno new office spaces under construction

- Spielberk Office Center, Axis Office Park
- Brno Business Park
- Czech Technology Park, DIS Centrum, Platinum, Lidická Centre Brno, Vienna Point, Slatina a.s.

-- Brno old town

- Real Estates Agencies
- Advantage: near city center and public transport
- Disadvantage: parkingne, renovation necessary



Brownfields

- High concentration
- Disadvantage – HIGH COSTS

Danaher Brno

- 3 halls, production hall 1000m², for sale

Hrušovany nad Jevišovkou

- 4 halls, production space 1050m², 650m², 2 500m², 1 000m², for rent

Lužice-Boříčko

- MND Servisní a.s., production space 2 000m², 5 x 200m², 1 500m², for rent

Zastávka u Brna

- Leis a.s., for rent

Fruta Znojmo

- VHS Znojmo, demolition work is underway



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Benefits and opportunities



Advantages



- Industry activity
- Available skilled workforce
- Interest of investors
- Research and development centre
- Centre of higher learning
- Favorable geographical location



Opportunities

- **Interested in new technologies and innovative process**
- **Development**
 - Pharmaceutical industry, biotechnology, environmental, medicine
- **Cooperation with universities**
- **Research and development centres**
- **Export**
- **Brownfields and their possible use**
 - Business properties
 - Technology parks
- **Research and Development**
 - Cooperation between centres
 - Development of specific industries
- **Transport**
 - Modernisation of railways roads
 - Highway between Vienna and Brno



SOUTH MORAVIAN REGION



Research and development



Research and Development



- **Masaryk University in Brno**
- **Brno University of Technology**
- **Mendel University of Agriculture and Forestry in Brno**
- **University of Veterinary and Pharmaceutical**
- **Veterinary Research Institute**

- **Academy of Sciences of the Czech Republic**
 - **Institute of Biophysics**
 - **Institute of Analytical Chemistry**
 - **Institute of Vertebrate Biology**
 - **Institute of Material Physics**
 - **Institute of Scientific Instruments**

- + **16 Institutes in Prague**

Region	Population with tertiary education		Lifelong learning		Employment med- a high-tech		Employment high-tech sservices	
	%	Rank	%	Rank	%EAO	Rank	%EAO	Rank
Praha	26,3	34	9,7	40	4,1	139	6,8	3
Středočeský	9,1	173	3,7	135	10,1	30	2,6	89
Jihočeský	11,0	152	3,1	146	8,0	59	2,4	98
Plzeňský	10,0	160	4,5	115	12,3	17	2,5	96
Karlovarský	8,5	177	4,3	118	6,3	93	1,6	146
Ústecký	5,9	184	5,4	89	5,0	119	2,0	127
Liberecký	9,4	172	4,9	103	10,2	28	2,3	110
Královéhradecký	10,6	154	5,3	91	8,5	53	2,4	100
Pardubický	9,9	162	3,9	131	11,8	19	2,9	78
Vysočina	9,4	171	5,2	96	9,5	37	1,6	141
Jihomoravský	15,0	135	5,3	92	7,5	65	3,6	48
Olomoucký	9,7	164	3,7	134	9,9	33	1,8	136
Zlínský	10,5	157	4,9	102	9,9	34	1,6	144
Moravskoslezský	10,0	159	4,3	120	6,1	97	2,2	114

Region	Public expenditures R&D		Private expenditures R&D		EPO patent TOTAL		EPO high-tech patents	
	%GDP	Rank	%HDP	Rank	/mil.o.	Rank	/mil. o.	Pořadí
Praha	1,2	48	0,6	85	9,4	139	0,3	149
Středočeský	0,4	130	2,7	12	2,9	164	0,3	149
Jihočeský	0,4	123	0,4	129	2,7	166	0,0	169
Plzeňský	0,1	159	0,4	121	4,9	155	0,0	169
Karlovarský	0,0	166	0,1	159	0,0	178	0,0	169
Ústecký	0,0	165	0,3	132	1,6	170	0,0	169
Liberecký	0,2	152	0,7	76	5,4	152	0,0	169
Královéhradecký	0,2	157	0,5	106	4,2	158	0,0	169
Pardubický	0,1	161	1,1	50	9,2	142	0,0	169
Vysočina	0,0	167	0,4	122	1,3	172	0,0	169
Jihomoravský	0,8	81	0,6	98	5,0	154	0,0	169
Olomoucký	0,2	151	0,6	97	2,6	167	0,0	169
Zlínský	0,1	158	0,6	90	2,8	165	0,0	169
Moravskoslezský	0,2	156	0,8	74	6,3	150	0,0	169

CEITEC

Central European Technology Institute



Focusing on:

- life-science and Advance Materials

Structure :

- Mendl Research Centre
- Centre of Biomedicine Sciences
- Centre for Human and Animal Health
- Centre of Advanced Materials and Technologies
- IT Technologies

Business and Innovation Centre



Region innovation strategy I. (2002) defined by RRA JM

Main goal

Establish South Moravian Innovation Centre (JIC) in 2003 – www.jic.cz

Public interest and political will to support innovation processes

RIS II (2005) – implementation

Functional Priorities

- small and medium enterprises
- intellectual property safety
- interaction between centres
- know-how transfer
- consultant service
- RIS Monitoring

Thematic Priorities

bio-technology, IT, Industries

Business and Innovation Centre



South Moravian Innovation Centre www.jic.cz

-- founders:

- South Moravian Region, Brno City, Masaryk University in Brno, Brno University of Technology, Mendel University of Agriculture and Forestry in Brno, University of Veterinary and Pharmaceutical

-- implementation:

- Technology incubator (3000 m2)
- Micro Loans
- Patents and Licenses Fund
- Consulting and education
- Cluster activities

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Cluster activities



Water Treatment Alliance



-- 15 members

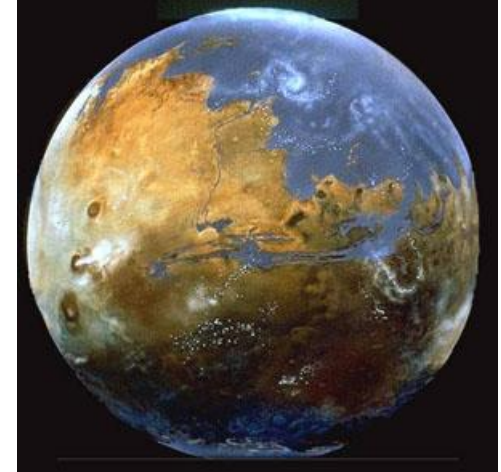
Goals:

-- New technologies for water treatment

-- Export

-- Support from EU funds - 5 756 thou. CZK

-- www.wateralliance.cz



CEITEC Cluster – bioinformatics z.s.p.o.



CEITEC Cluster – bioinformatics z.s.p.o.

- 15 members
- Turnover: CZK 3 billion
- Total costs for research and development 150 mil CZK per year

-- Activities:

marketing

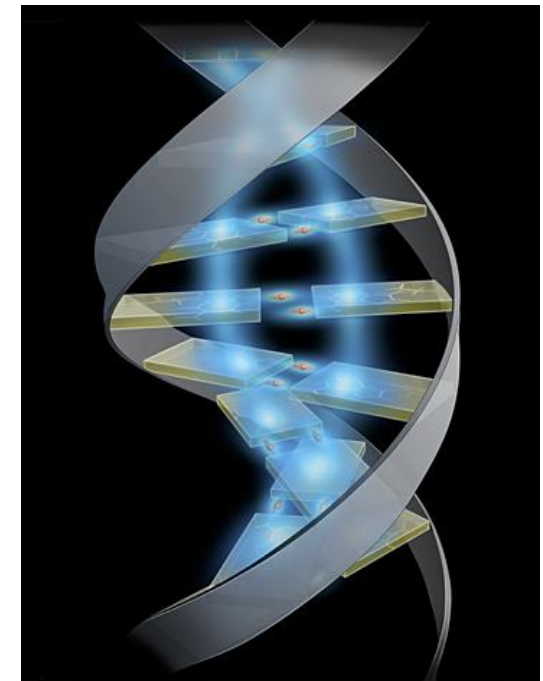
human resources

consulting services

cooperation on CEITEC infrastructure project

Support from EU Funds – CZK 9,037 thousand

www.ceitec-cluster.cz



Furniture Cluster



- **35 members**
- **total turnover: CZK 4 billion**
- **goals:**
 - Export
 - Interaction between small and medium enterprises and research institutions
 - Marketing
 - Modernization
 - Czech Quality- trademark

Support from EU funds - CZK 23 214 thousand

www.furniturecluster.cz



Thank you for your attention!

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CzechInvest, the Investment and Business Development Agency, is an agency of the Ministry of Industry & Trade of the Czech Republic