

City of Ostrava

Fact Sheets

Ostrava 2017

City of Ostrava – facts and figures

Updated on September 2017

OSTRAVA!!!

Contents

1	GEOGRAPHY AND CLIMATE	6
1.1	GEOGRAPHY.....	6
1.2	CLIMATE.....	7
2	THE INDUSTRIAL CITY OF OSTRAVA – ITS HISTORICAL MILESTONES	8
3	POPULATION.....	12
3.1	BASIC INFORMATION	12
3.2	BREAKDOWN OF INHABITANTS BY AGE	13
3.3	BREAKDOWN OF INHABITANTS BY EDUCATION	13
3.4	NUMBER OF INHABITANTS IN INDIVIDUAL MUNICIPAL DISTRICTS INCLUDING FOREIGN CITIZENS 14	
4	EDUCATION.....	15
4.1	SCHOOLS IN OSTRAVA – ACADEMIC YEAR 2016/2017.....	16
4.2	UNIVERSITIES	17
4.2.1	University student numbers	17
4.2.2	VŠB – Technical University of Ostrava, www.vsb.cz	17
4.2.3	University of Ostrava, www.osu.cz	18
4.2.4	University of Entrepreneurship and Law (Vysoká škola podnikání a práva, a. s.), www.vspp.cz	19
4.3	SCHOOLS TEACHING IN FOREIGN LANGUAGES AND SCHOOLS WITH AN INTERNATIONAL APPROACH.....	19
4.3.1	1 st International School of Ostrava (1st ISO)	19
4.3.2	The Ostrava International School	19
4.3.3	Primary Bilingual School Ostrava, Ostrčilova 10.....	20
4.3.4	Hello s. r. o. – Primary School and Kindergarten	20
4.3.5	Monty Elementary School and Kindergarten, Ostrava-Poruba	21
4.3.6	Hladnov Gymnasium and Language School in Silesian Ostrava ..	21
4.3.7	Pavel Tigrid Language Gymnasium in Ostrava-Poruba.....	21
4.3.8	PORG, private maternity, primary and secondary school	22
5	ECONOMY	22
5.1	NUMBER OF BUSINESS ENTITIES BY INDUSTRY IN 2016.....	24

5.2	TYPES OF BUSINESSES BY LEGAL STATUS, 2016	25
5.3	TRENDS IN THE STRUCTURE OF BUSINESS ENTITIES BY LEGAL FORM (2007–2016)	26
5.4	LARGEST EMPLOYERS IN OSTRAVA (NUMBER OF EMPLOYEES)	27
5.5	LARGEST FOREIGN-OWNED COMPANIES IN OSTRAVA (NUMBER OF EMPLOYEES).....	28
5.6	LARGEST CIVIL ENGINEERING / BUILDING COMPANIES IN OSTRAVA (NUMBER OF EMPLOYEES).....	29
6	LABOUR FORCE	30
6.1	LABOUR FORCE IN OSTRAVA BY SECTOR – NUMBER OF EMPLOYEES (IN COMPANIES WITH 26 OR MORE EMPLOYEES, 2011 – 2016).....	31
6.2	EMPLOYMENT TRENDS IN OSTRAVA, 2006 – 2016	32
6.3	UNEMPLOYMENT RATE TRENDS IN OSTRAVA AND YEAR-ON-YEAR CHANGES ON UNEMPLOYMENT RATE, 2002 – 2016	33
6.4	JOB APPLICANTS IN OSTRAVA BY AGE, 2010 – 2016	33
6.5	JOB APPLICANTS IN OSTRAVA BY EDUCATION, 2011 – 2016	34
6.6	ENTRY OF FOREIGNERS INTO THE LABOUR MARKET OF THE CZECH REPUBLIC	34
	6.6.1 Foreign citizens on the labour market in Ostrava.....	35
7	AVERAGE WAGES, TAXES	37
7.1	AVERAGE PRE-TAX MONTHLY WAGE, 2010 – 2016.....	37
	7.1.1 Pre-tax monthly wages in the Moravian-Silesian Region – breakdown by main employment categories and sub-categories, 2016.....	38
7.2	TAXES.....	39
	7.2.1 Direct Taxes.....	39
	7.2.2 Indirect Taxes	40
8	INFORMATION FOR INVESTORS.....	40
8.1	INVESTMENT INCENTIVES.....	40
8.2	OPERATIONAL PROGRAMMES (OP) 2014 – 2020	41
	8.2.1 National operational programmes.....	41
	8.2.2 Cross-border cooperation programmes	42
	8.2.3 Programmes of transnational and interregional cooperation	42
8.3	CREDIT RATINGS, MACROECONOMIC INDICATORS.....	43
	8.3.1 Credit ratings	43
	8.3.2 Macroeconomic Indicators.....	44
8.4	BUILDING PERMISSION PROCESS.....	44
8.5	LAND PRICING.....	45
8.6	UTILITIES PRICING	45

8.7	INDUSTRIAL ZONES	46
	8.7.1 Ostrava-Hrabová	46
	8.7.2 Ostrava-Mošnov	46
8.8	REAL ESTATE.....	48
	Development sites.....	48
8.9	LEVEL OF FDI (FOREIGN DIRECT INVESTMENT).....	49
	LEVEL OF FDI (FOREIGN DIRECT INVESTMENT) IN OSTRAVA, BRNO AND PILSEN (CZK BILLIONS) –	
	FIGURES FOR EACH YEAR AS OF 31 DECEMBER (1998 – 2015), CUMULATIVELY	49
9	TRANSPORT.....	50
9.1	BASIC INDICATORS IN TRANSPORT	50
9.2	PUBLIC TRANSPORT	50
9.3	ROAD TRANSPORT	51
9.4	RAIL TRANSPORT	52
9.5	AIR TRANSPORT.....	52
9.6	BICYCLE TRANSPORT	55
	9.6.1 Bike routes – overview.....	55
9.7	ACCESS TO THE REGION.....	56
	9.7.1 Road access to the region – distances to / from Ostrava	56
	9.7.2 Access to the region – main transport arteries.....	56
10	TECHNICAL INFRASTRUCTURE.....	57
11	RESEARCH, DEVELOPMENT AND INNOVATION	60
11.1	TECHPROFIL.....	61
11.2	RESEARCH AND DEVELOPMENT.....	63
	11.2.1 Moravian-Silesian Innovation Centre	65
	11.2.2 IT4INNOVATIONS.....	65
	11.2.3 BIC Ostrava, s. r. o.	66
	11.2.4 Business Incubator VŠB-TU Ostrava.....	66
	11.2.5 Nanotechnology Centre	66
	11.2.6 Business incubator of University of Entrepreneurship and Law	67
	11.2.7 ENET centre	67
	11.2.8 4MEDI.....	67
11.3	CLUSTERS.....	67
12	QUALITY OF LIFE.....	69

12.1 ENVIRONMENT	69
12.1.1 Major pollutant emissions (REZZO 1) in tonnes/year – Moravian-Silesian Region	70
12.1.2 Major pollutant emissions (REZZO 1) in tonnes/year – Ostrava ...	71
12.2 HEALTH CARE AND SOCIAL SERVICES	73
12.2.1 Health care	73
12.2.2 Social services.....	75
On-site social services	76
12.3 HOUSING AND NON-RESIDENTIAL PREMISES	77
12.3.1 Housing	77
12.4 CULTURE	80
12.5 SPORT AND RECREATION	82
12.6 TOURIST ATTRACTIONS	83
13 ACCOMMODATION	84
13.1 STUDENT HALLS OF RESIDENCE	85
13.2 CONFERENCE AND EXHIBITION FACILITIES	86
14 BODIES OF THE CITY, CITY DISTRICTS AND MUNICIPAL ORGANIZATIONS	89
14.1 CITY ADMINISTRATION	89
HTTP://WWW.OSTRAVA.CZ/EN/URAD/MESTO-A-JEHO-ORGANY?SET_LANGUAGE=EN	90
14.2 MUNICIPAL DISTRICT ADMINISTRATION.....	90
14.3 CITY ORGANIZATIONS.....	90
15 CONTACTS	91
15.1 IMPORTANT INSTITUTIONS.....	91
15.2 IMPORTANT PUBLIC ADMINISTRATION BODIES AND COURTS	91
15.3 IMPORTANT INSTITUTIONS IN RESEARCH, DEVELOPMENT AND INNOVATION	92
15.4 SELECTED IT COMPANIES.....	93
15.5 BANKS	93
15.6 SELECTED STORES & SHOPPING CENTRES	94
16 MILESTONES IN OSTRAVA´S HISTORY	95
LIST OF ABBREVIATIONS	102

1 Geography and climate

1.1 Geography

Located at the confluence of four rivers (Odra, Opava, Ostravice and Lučina), Ostrava is one of the most important residential, industrial and intellectual centres of the Czech Republic. In terms of its population and area, it is the third largest city in the Czech Republic and the largest city of the Moravian-Silesian region. It is situated at 49° 50'31" N and 18°17'34" E in the rugged terrain of the Ostrava basin. Ostrava has a very advantageous strategic location – it is situated 360 km east of the capital city of Prague, 310 km north of Vienna, it is close to the border with Poland, which runs just 10 km north of the city centre, and the Slovakian border being just 50 km to the east.

Total area of the city (ha)	21 423,1
of which:	
Forests	2 476,0
Other	7 829,7
Water surfaces	949,7
Built-up areas	1 914,7
Agricultural land	8 253,0
Number of Municipal Districts:	23
Highest point:	336 m above sea level (Krásné Pole)
Lowest point:	193 m above sea level (Slezská Ostrava)

Sources: Czech Statistical Office (2016), OCA

1.2 Climate

Ostrava is located within the temperate zone; however the city's climate has certain specific features caused by the dense concentration of industry and population and due to local geographical conditions in the Ostrava basin. The figures given below are based on long-term measurements at the given location and represent long-term mean values for the individual meteorological indicators.

Mean annual rainfall:	833 mm
Mean annual temperature:	8.5 °C
Mean January temperature:	-2.2 °C
Mean July temperature:	18.3°C

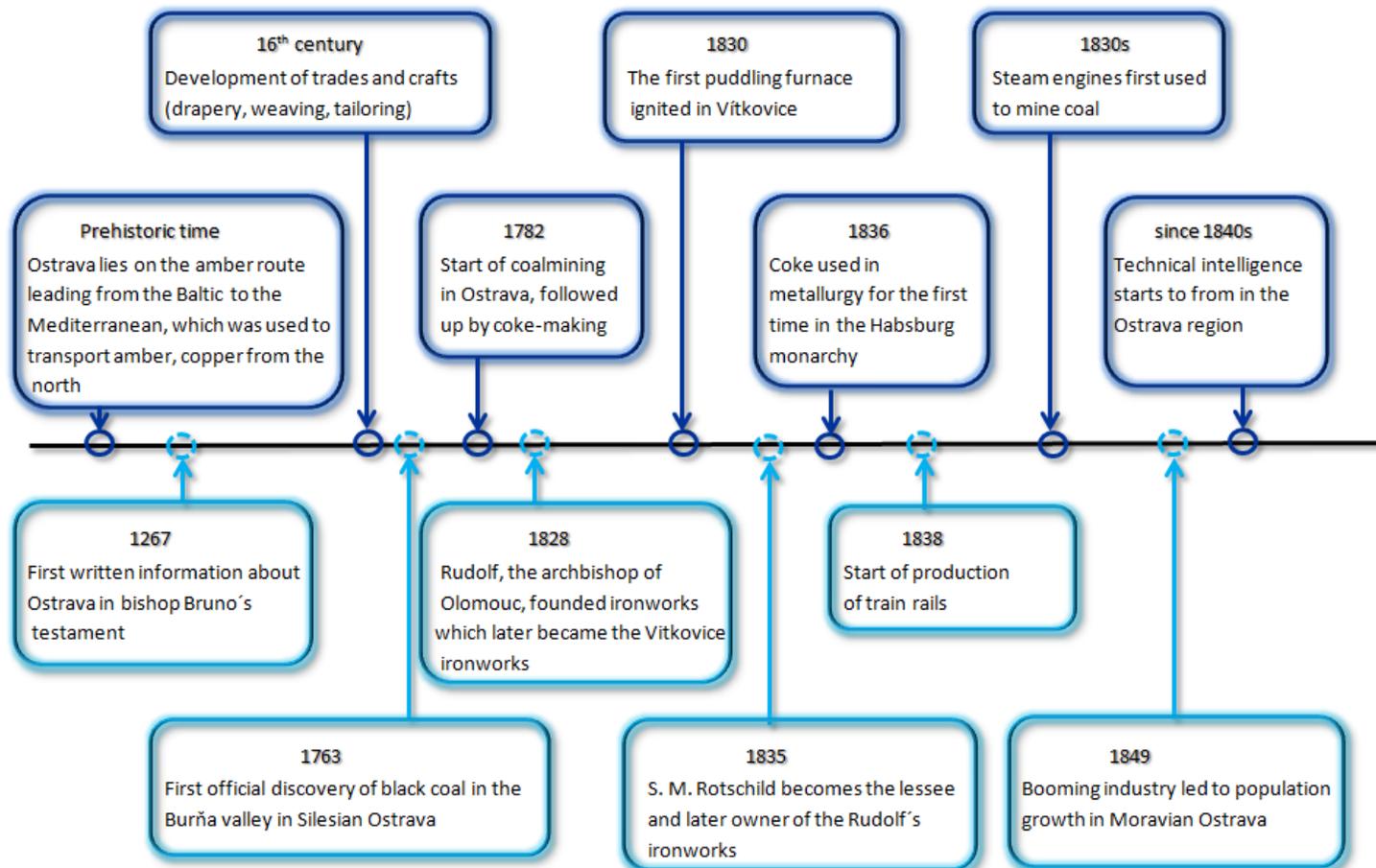
Source: Czech Hydrometeorological Institute – data for the period 1/2016 – 12/2016

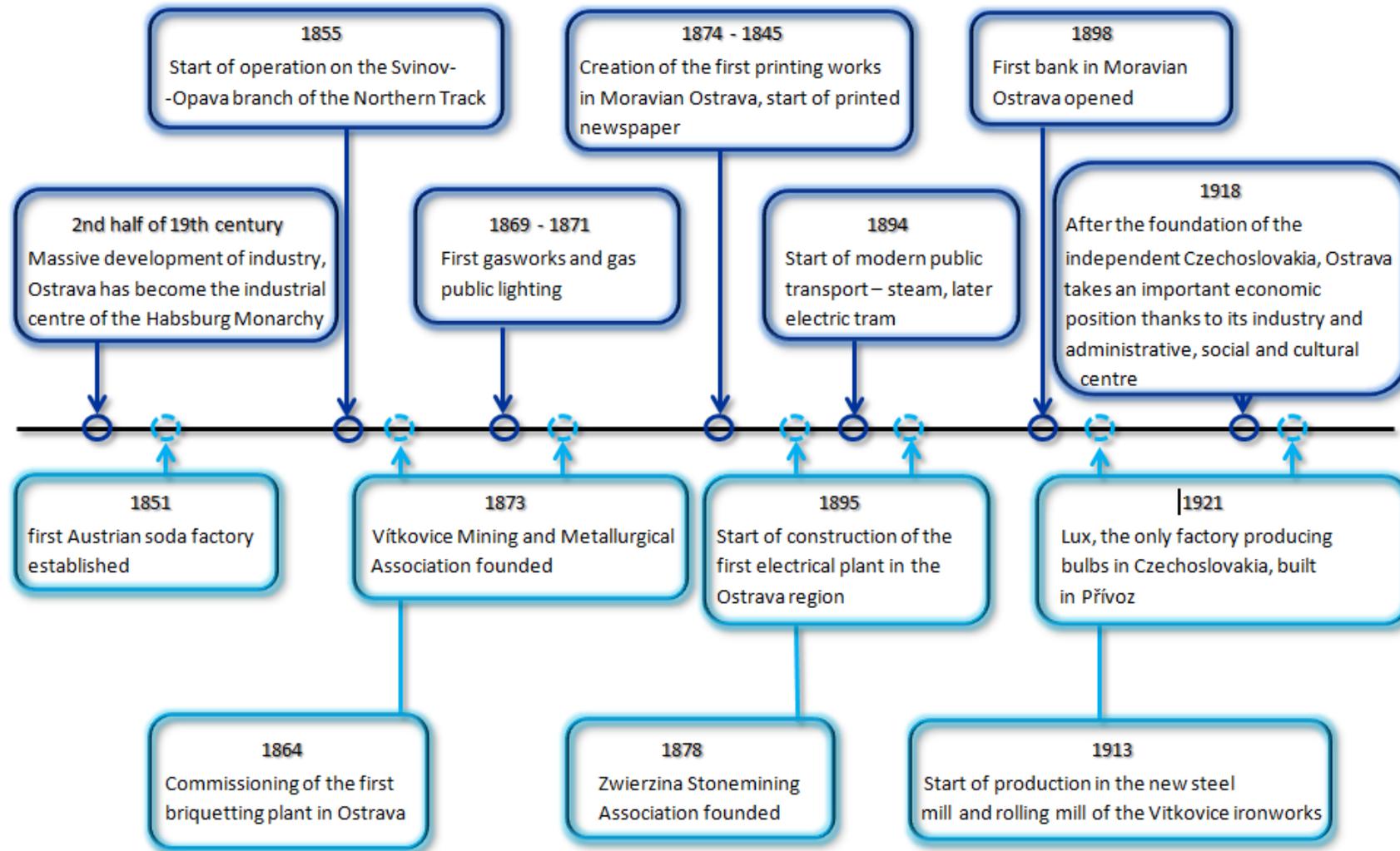
Meteorological data for Ostrava – long-term mean values 1961 – 2000

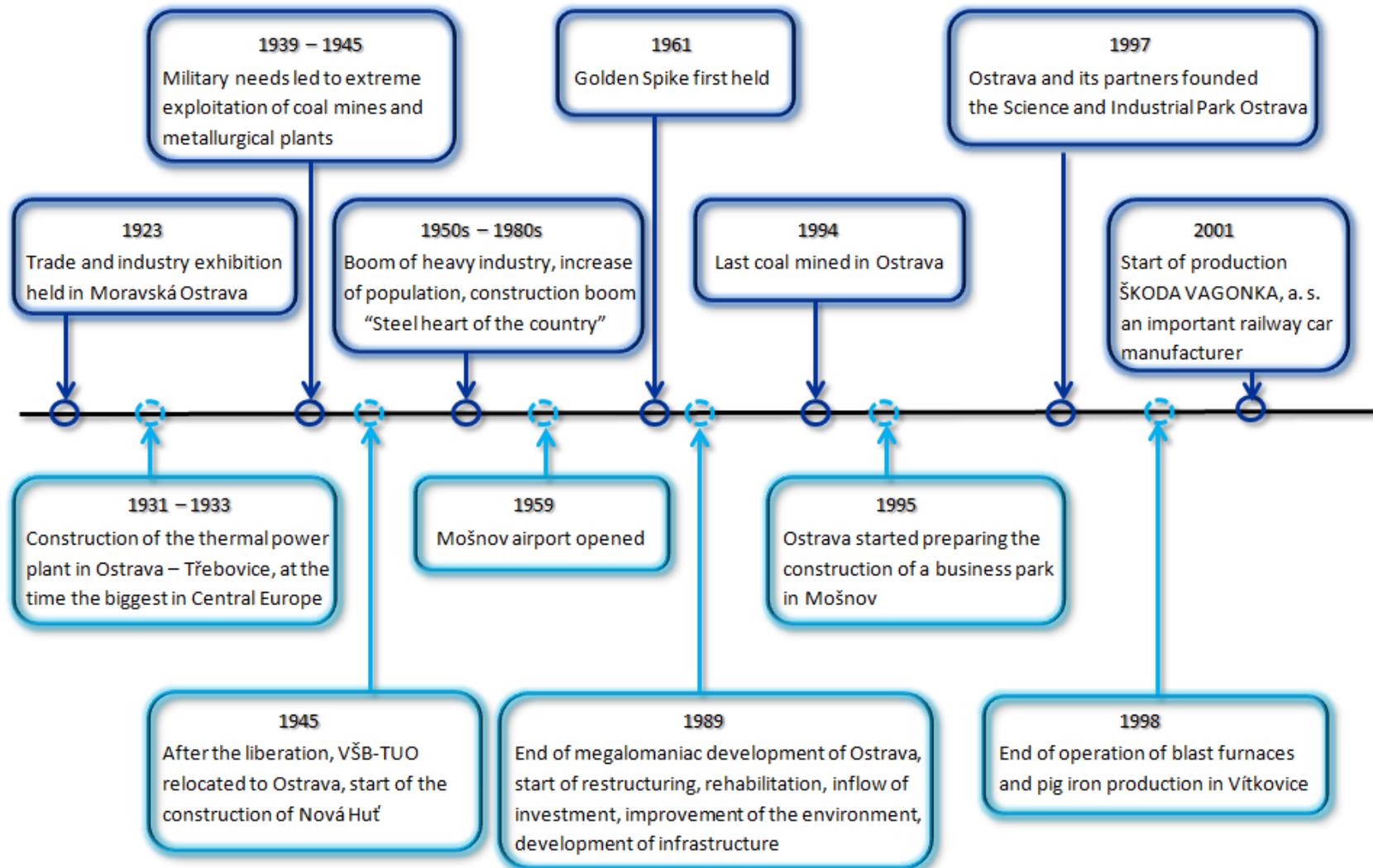
Mean annual rainfall:	700 mm
Mean annual temperature:	8,3 °C
Mean January temperature:	-2,3 °C
Mean July temperature:	17,8 °C

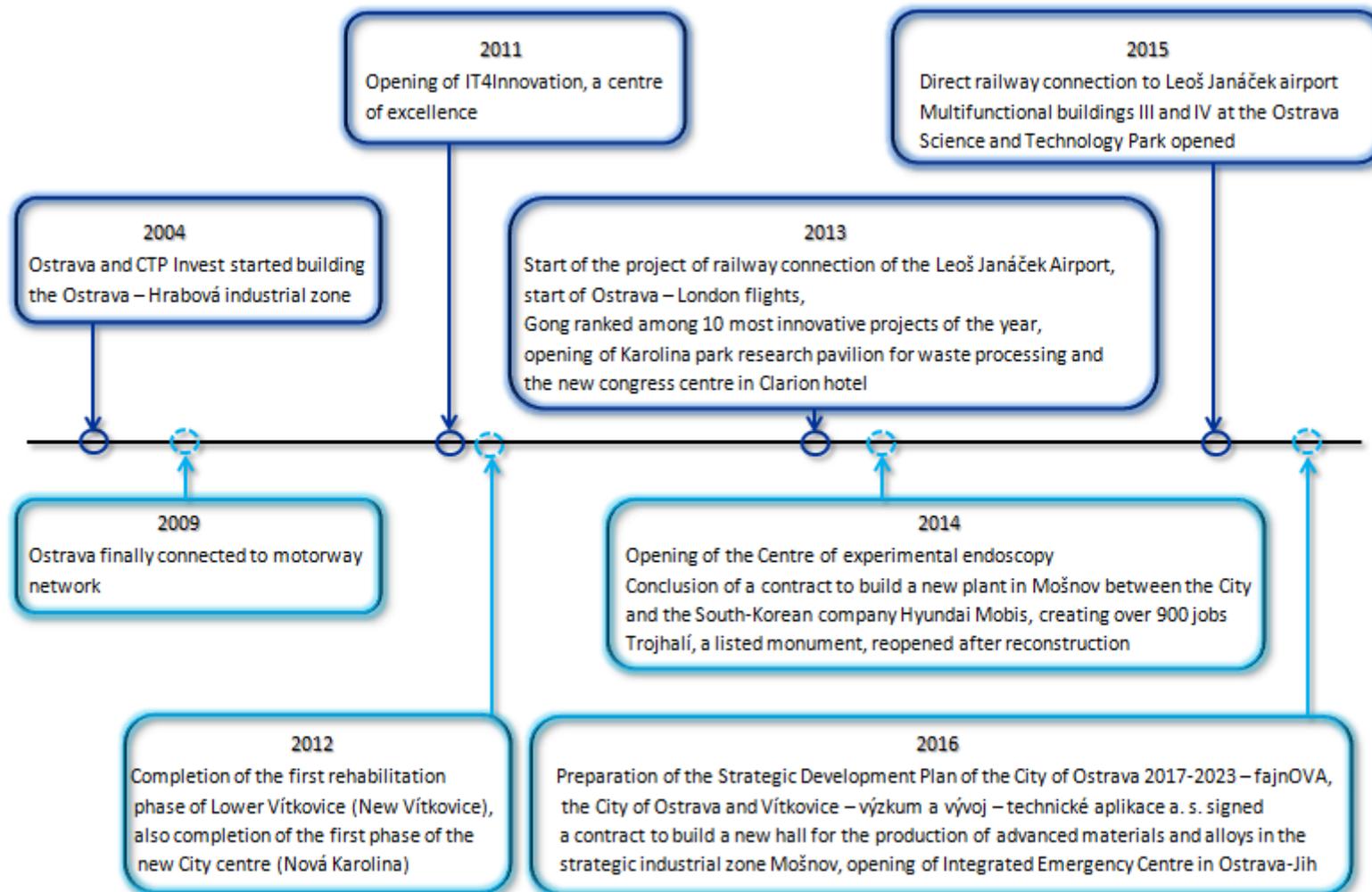
Source: Czech Hydrometeorological Institute

2 The Industrial City of Ostrava – Its Historical Milestones









3 Population

The period 1869 – 1980 saw the Ostrava population grow. The first wave of industrialization took place from 1869 to 1950, resulting in the most rapid population growth in the City. The deindustrialisation process currently leads to population decrease; however, Ostrava is still the third largest city in the Czech Republic, the second largest city in Moravia, the largest city in Czech Silesia and a natural centre of the Moravian-Silesian Region. Created by merging the municipalities of Hrabůvka, Zábřeh nad Odrou, Výškovice and Dubina, Ostrava-Jih is the most populous City District.

3.1 Basic information

Population of City of Ostrava	
City of Ostrava	300,569
- of which foreigners	10,260
- of which men	146,434
- of which women	154,135
Municipalities within the administrative district of Ostrava	32,023
- of which foreigners	229
- of which men	15,774
- of which women	16,249
Population density per km ²	1,404
Moravian-Silesian Region	1,209,879
- of which foreigners (with permanent residence)	25,042
- of which men	593,064
- of which women	616,815
Population density per km ²	223

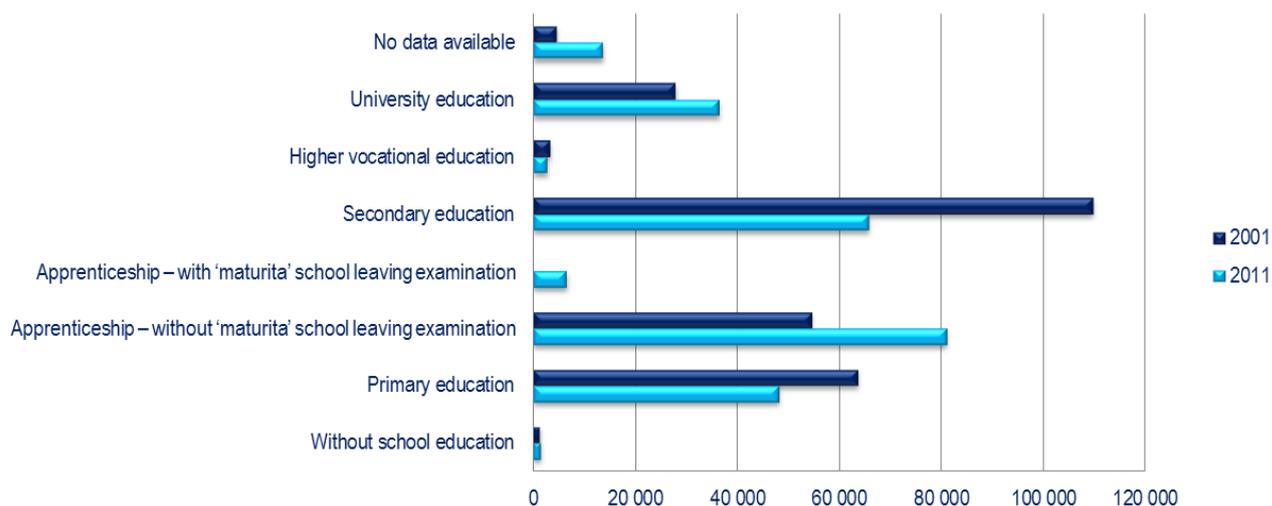
Sources: OCA, MSR, CSO (1.1.2017)

3.2 Breakdown of inhabitants by age

Age	Number of inhabitants	% of population
Total	291,634	100.0
Pre-working age (0 – 14 years)	42,676	14.6
Working age (15 – 64 years)	193,374	66.3
Retired (65 +)	55,810	19.1
0 - 9	29,682	10.2
10 - 19	25,829	8.9
20 - 39	78,724	27.0
40 - 49	43,717	15.0
50 - 59	38,648	13.3
60 - 69	37,851	13.0
70 - 79	25,834	8.9
80 +	11,349	3.9

Source: CSO (july2017)

3.3 Breakdown of inhabitants by education



Source: National Census (2001, 2011)

3.4 Number of inhabitants in individual Municipal Districts including foreign citizens

Number of inhabitants officially registered as resident in the city of Ostrava as of 1 January 2017					
Municipal District	Czech citizens up to age 15	Czech citizens age 15 +	Czech citizens total	Foreign citizens	Resident total
Hošťálkovice	224	1,409	1,633	17	1,650
Hrabová	506	3,208	3,714	114	3,828
Krásné Pole	395	2,236	2,631	33	2,664
Lhotka	219	1,131	1,350	6	1,356
Mariánské Hory a Hulváky	1,664	10,197	11,861	486	12,347
Martinov	127	1,007	1,134	10	1,144
Michálkovice	533	2,831	3,364	86	3,450
Moravská Ostrava a Přívoz	5,294	31,854	37,148	2,044	39,192
Nová Bělá	304	1,678	1,982	34	2,016
Nová Ves	109	587	696	17	713
Ostrava-Jih	13,386	89,393	102,779	3,536	106,315
Petřkovice	443	2,693	3,136	48	3,184
Plesná	194	1,244	1,438	22	1,460
Polanka nad Odrou	698	4,260	4,958	40	4,998
Poruba	8,279	56,660	64,939	1,398	66,337
Proskovice	161	1,057	1,218	8	1,226
Pustkovec	155	1,121	1,276	21	1,297
Radvanice a Bartovice	953	5,379	6,332	265	6,597
Slezská Ostrava	3,435	17,343	20,778	991	21,769
Stará Bělá	668	3,423	4,091	55	4,146
Svinov	584	3,781	4,365	146	4,511
Třebovice	240	1,627	1,867	21	1,888
Vítkovice	1,529	6,090	7,619	862	8,481
Total	40,100	250,209	290,309	10,260	300,569

Source: OCA (2017)

4 Education

According to the Education Act, the education system comprises of schools and school facilities. Ostrava offers a wide range of schools and school facilities.

Pre-school education is a phase of education in which the child primarily acquires social experience, basic knowledge about life and first impulses for continuing education and lifelong learning. This phase is supported by educational impact of the family, which provides and develops specific stimuli. Pre-school education is typically provided for children aged three to six. The aim of **primary education** is to create a foundation for lifelong learning. Primary education is also the only level in the educational system which is mandatory for all children in the Czech Republic. It entitles them to advance into secondary education. **Secondary education** develops the knowledge, skills, abilities, attitudes and values obtained in primary education, which are important for the personal development of the individual. It provides pupils with a broad general education content and professional training associated with general education, and consolidates their values. Secondary education also lays the groundwork for a full personal and civic life, independent acquisition of information and lifelong learning, follow-up education and vocational training. By successfully completing an educational programme within secondary education, pupils achieve one of the following levels of education: secondary education, secondary education with an apprenticeship certificate, secondary education with the *maturita* (school-leaving) examination. **Tertiary vocational education** develops and deepens the knowledge and skills acquired in secondary education and provide general and vocational education and practical training for demanding professions. It is intended for graduates of all types of secondary schools with the *maturita* examination; it is completed by passing a graduation exam. **Higher education** is divided into three programmes – Bachelor's, Master's and PhD. They focus on vocational training. The study is completed by passing the final state examination, which usually includes the defence of a Bachelor's / Master's / PhD. thesis. After passing the examination, graduates earn an academic degree.

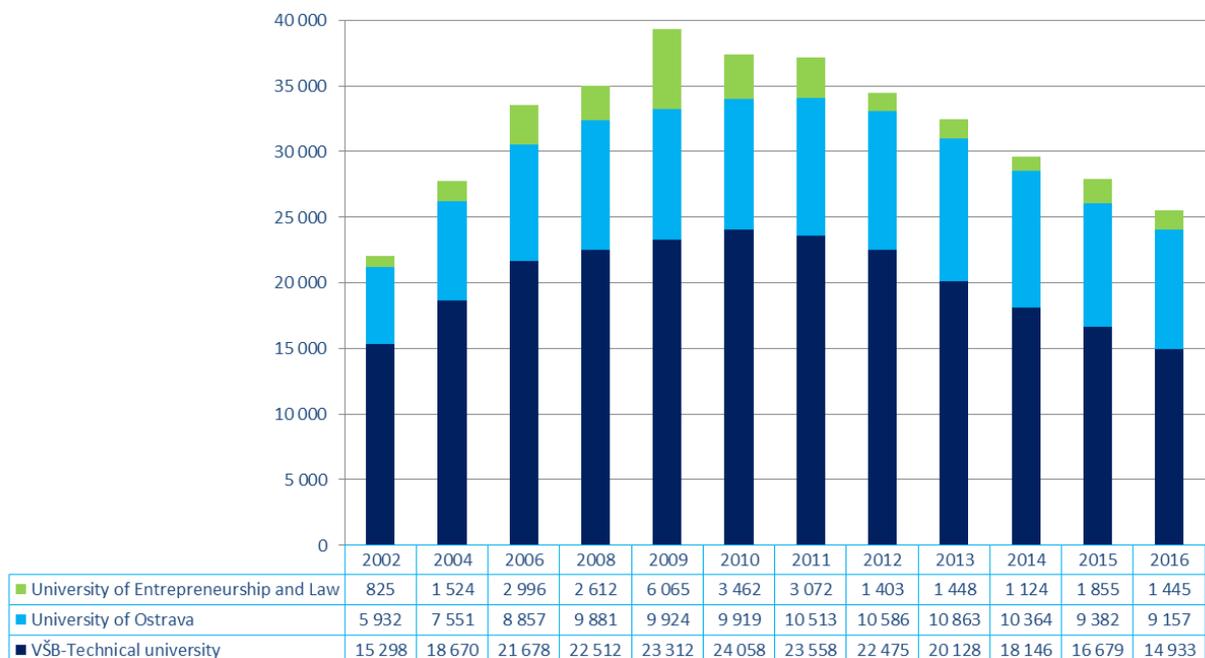
4.1 Schools in Ostrava – academic year 2016/2017

Type of school		Number of	
		Schools in category	Children/pupils/students as of 30 September 2016
Nursery schools / kindergartens		97	10,204
	- of which private	14	447
Primary schools		85	27,015
	- of which private	9	669
Primary art schools		14	7,089
	- of which private	1	16
Secondary schools		42	16,784
	- of which private	17	4,092
	secondary education	1	48
	- of which private	0	0
	secondary education with		
	vocational qualification	12	2,895
	- of which private	4	807
	secondary education with "maturita"	42	13,841
	- of which private	16	3,021
	- grammar school education	16	5,419
	- of which private	7	863
Conservatories		1	346
	- of which private	-	-
Higher vocational schools		6	1,700
	- of which private	1	694

Source: MSR (30 September 2016)

4.2 Universities

4.2.1 University student numbers



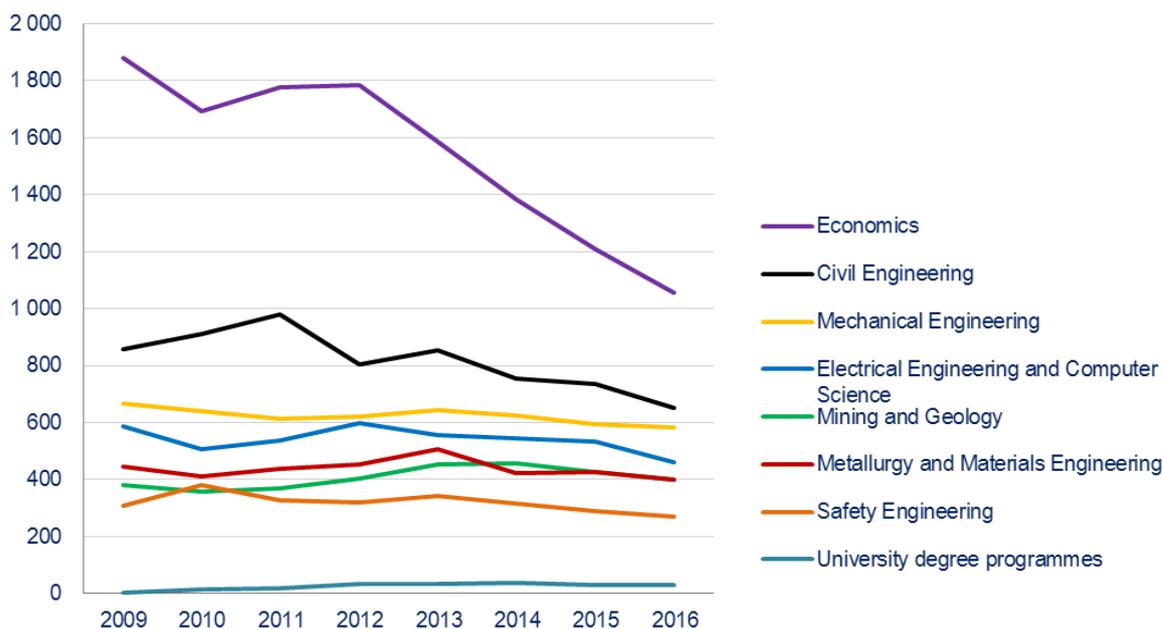
Source: individual universities

4.2.2 VŠB – Technical University of Ostrava, www.vsb.cz

Faculty	Number of students in academic year 2016/2017	Number of graduates in 2016
Economics	3 574	1 054
Civil Engineering	2 378	650
Mechanical Engineering	2 681	581
Electrical Engineering and Computer Science	2 071	462
Mining and Geology	1 503	401
Metallurgy and Materials Engineering	1 386	401
Safety Engineering	1 179	271
University degree programmes	161	29
Total	14 933	3 849

Source: VŠB – Technical University of Ostrava (2017)

Number of graduates, 2009 – 2016



Source: VŠB – Technical University of Ostrava (2009 – 2016)

4.2.3 University of Ostrava, www.osu.cz

Faculty	Number of students in academic year 2016/2017	Number of graduates in 2016
Arts	2 100	488
Education	2 498	831
Science	1 759	388
Medicine	1 706	364
Social Studies	656	189
Fine Arts	438	117
Total	9 382	2 621

Source: University of Ostrava (2017)

4.2.4 University of Entrepreneurship and Law (Vysoká škola podnikání a práva, a. s.), www.vspp.cz

	Number of students in academic year 2015/2016	Number of graduates in 2015
- full-time study	243	
- combined study	1202	
- bachelor's degree programmes	305	
- master's degree programmes	1140	
Total	1445	435

Source: University of Entrepreneurship and Law (2017)

4.3 Schools teaching in foreign languages and schools with an international approach

4.3.1 1st International School of Ostrava (1st ISO)

A private secondary school (a four-year and eight-year *gymnasium*) is a project of multicultural education of Czech children and foreigners.

Methods: 1st ISO, counting more than 20 nationalities among its students and teachers, is the first school outside of Prague holding the title **International Baccalaureate World School**. It strives to combine the best aspects of the Czech educational system with global thinking and intercultural approach. Czech students can complete the 8-year-long study programme by taking the International Baccalaureate Diploma in addition to the standard Czech school-leaving exam. Students are encouraged to develop independent, critical thinking, communication and presentation, respect and tolerance towards other people and ideas, community involvement, experience-based learning, searching for new challenges, cooperation and creativity.

www.is-ostrava.cz

4.3.2 The Ostrava International School

A public nursery school and primary school, it provides education mainly in English to children from 3 years of age. It closely follows up on the activities of the 1st International School of Ostrava and enables children to complete their studies by taking

the international baccalaureate in accredited international programmes at the 1st International School of Ostrava.

www.tois.world/

4.3.3 Primary Bilingual School Ostrava, Ostrčilova 10

The Ostrčilova Bilingual School is part of the Primary School and Kindergarten Ostrčilova 1, which has long been specialising in the education of in 1st to 5th primary school grades, including children of foreigners.

It is a school with many years of experience, whose priority is effective interconnection of the Czech and British curricula. The children of Czech, bilingual and foreign families have the chance to study in a bilingual, English-Czech environment under the guidance of experienced teachers. The school focuses on the overall development of the child's personality. Skills and abilities of children are developed not only in the form of playful teaching methods, but also in the diverse range of activities offered beyond teaching and in the afternoon interest groups. Children are encouraged to develop self-reliance, ability to work in a team and active life. To encourage the children's tolerance and empathy, they are involved in a number of project activities and humanitarian projects.

www.zsostrcilova.cz/cs/bilingual-school

4.3.4 Hello s. r. o. – Primary School and Kindergarten

Primary school and nursery school Hello s.r.o. is a modern educational facility aimed at teaching foreign languages. **The kindergarten** is attended by children aged 2 to 6, regardless of nationality and knowledge of English. All children are offered superb preschool education in Czech and English. In the course of the study, the children will learn a foreign language in a natural and fun way. **The primary school** is focused on bilingual (Czech-English) education in mathematics, physics, biology, geography and all subjects with an educational focus. English conversation is taught by a native speaker. Each class is attended by a maximum of 16 children. There is also a number of interest groups available to the children. Gifted children enrol in Gifted Children's Club organised in cooperation with the Mensa Czech Republic, which can also be attended by pupils from other schools in Ostrava.

<https://www.helloskola.cz/>

4.3.5 Monty Elementary School and Kindergarten, Ostrava-Poruba

There are 6 teachers teaching in the kindergartens and nursery school, of which 2 are assistants – native English speakers. The classes are given simultaneously in Czech and English under the guidance of competent Czech teachers and English native speakers. As a bonus service, the kindergarten provides regular logopaedic therapy. Monty School is a primary school with no more than 16 children in each class taught by two teachers, a Czech and English one; in 1st to 5th grades, an assistant is also present.

The school curriculum is based on integrating educational content into meaningful units that cut across educational areas and fields (the "Integrated Thematic Education"). The school presents itself as a bilingual school – certain subjects are simultaneously taught in both Czech and English.

www.montyskolka.cz

4.3.6 Hladnov Gymnasium and Language School in Silesian Ostrava

The Hladnov Gymnasium and Language School with Accreditation for State Language Examinations has had a long-standing tradition. The Hladnov Gymnasium is the only Czech-Spanish bilingual school in the Moravian-Silesian region. The study takes six years and courses are taught in Spanish. The school offers students the opportunity to pass the international DELE exam, organizes public events such as Don Quixote Reading Marathon, Spanish courses for the public, days of Spanish culture etc. Since 2014, the school has been the official DELE test venue in Ostrava. The four-year field of study – extended English language teaching – also focuses on languages. Theatre shows in English and Spanish have also had a long tradition. The school is involved in many language projects, such as eTwinning, Comenius and European Schoolnet. In 2011, it received the European Language Label award for innovative methods in language teaching. The third field is the general four-year study. In addition to English, pupils may also choose a second language: Spanish, French, German, Russian or Latin. HG and LS holds the **Oxford Quality School** title and works closely with Oxford University Press.

www.hladnovinfo.cz

4.3.7 Pavel Tigrid Language Gymnasium in Ostrava-Poruba

The educational programme primarily focuses on teaching foreign languages. The gymnasium's language focus is also linked to a wide variety of international activities, participation in international projects and competitions and, most importantly, cooperation with foreign schools and institutions. Teaching of foreign languages takes up almost a third of all teaching time, both in the four-year and six-year programme. In the course of

the language education, pupils are systematically prepared for internationally recognized exams in English (*FCE and CAE*), French (*DELFL*), Spanish (*DELE*) and German (*Goethe - Zertifikat* and *Deutsches Sprachdiplom*), demonstrating level C1 of the Common European Framework of Reference for Languages). In the area of international cooperation, the school traditionally organizes student exchanges of Czech and French students from the partner schools.

<http://jazgym.cz/>

4.3.8 PORG, private maternity, primary and secondary school

PORG Nursery School provides bilingual education. PORG is a five-year primary school with extended foreign language teaching. English is taught as a subject from the first grade, but pupils are also exposed to English in music, art and drama classes. Courses in English are taught by certified native speakers. The curriculum emphasizes the balance of humanities and natural science subjects. The primary school follows up on the curriculum of the eight-year Porg *gymnasium*, which combines the requirements of the Czech curriculum for *gymnasia* with the international programmes under the “Cambridge International Examinations”. The subjects are taught both in Czech, and in English by certified native speakers.

www.porg.cz

5 Economy

Ostrava’s economy was historically based on coal mining and related branches of heavy industry - iron, steel, coke, chemicals, mechanical engineering, power generation and construction. The last coal was mined in Ostrava in 1994, but other industries - especially metallurgy and mechanical engineering - remain a strong and vital part of the local economy. In recent years the Ostrava region has become a major centre of the car industry and other transport-related manufacturing. These sectors are still undergoing a process of transformation and restructuring, while the city’s economy has expanded to include new branches of manufacturing and services as well as new technologies.

Ostrava’s economy has boomed in recent years, with a major influx of investment in industrial zones, property development, hotels and other sectors. Many major international companies have set up branches in the city, with some taking advantage of

state incentives to invest in Ostrava and the surrounding area (Hyundai, Multi Development, CTP Invest, PEGATRON Czech, SungWoo Hitech, ArcelorMittal, and Tieto Czech).

The state of the Czech economy in 2012 worsened year-on-year. This situation has impacted employment and the loss of staff in monitored companies was far more pronounced than in previous years. It is also still true that the historical sectorial structure still brings many problems. The current trend among companies is not to lay off at least the core employees, but for reasons of unclear future development in this country and Europe, production did not dramatically increase and new jobs were not created. As a result of having to remain at low levels of production for a long period of time, companies in specific industries often affect other sectors and sub-contractors.

The year 2014 marked the end of the economic recession; the unemployment stopped rising, the number of job seekers registered with the Labour Office peaking at 625,000. The economic recovery was also reflected in the year-on-year decline in unemployment and an increase in nominal wages in the following years. In 2016, the economy continued to grow (by 2.3%), although the growth was slower than in 2015. The growth rate of total employment had increased for the third consecutive year. More than 40% of the increase in employment was due to the manufacturing industry, with an increasing contribution of services throughout the year. The general unemployment rate continued to decline throughout the year and reached 3.6% in December 2016. The number of job vacancies continued to rise, with specialists and skilled manual workers being in highest demand. The good financial situation of businesses and the increasing difficulties in finding new workers put an upward pressure on nominal wages. Despite rising inflation, at the end of the year, the average real wages were up 3.5% from the year before, the highest increase since 2007, and this trend continued in Q1 2017.

The 2016 statistics in the Moravian-Silesian Region show continued growth in the Czech labour market. There was a significant increase in the registered number of employees, which was accompanied by the rising average wage growth as the shortage of labour is becoming more pressing in some areas. In the Moravian-Silesian region, however, the wage increase is the lowest in comparison with other regions.

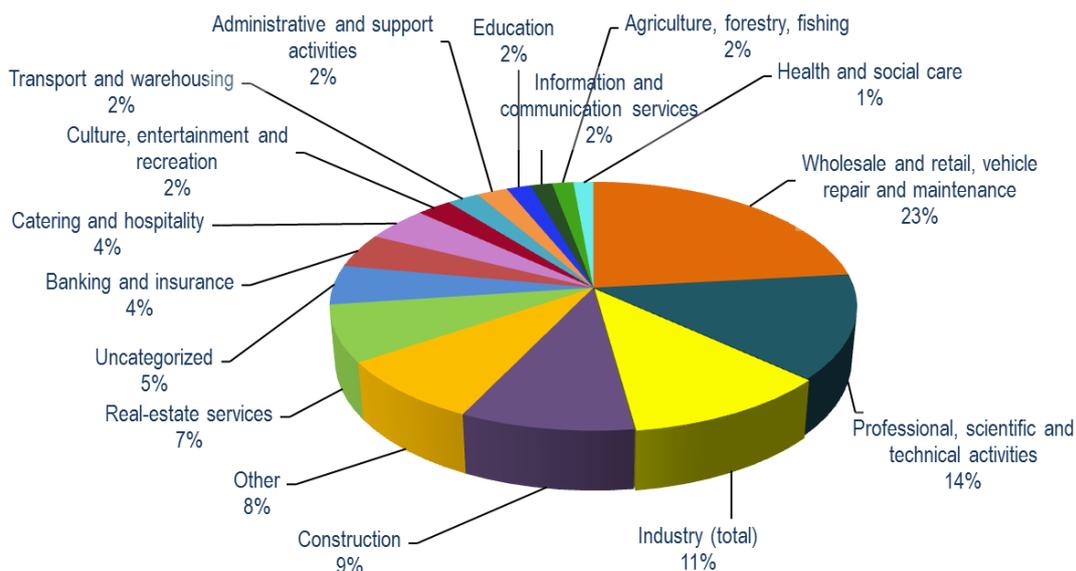
In Q4 2016, the number of employees was up 3,100 quarter-on-quarter in the Moravian-Silesian Region, an increase of 0.7%. In 2016, the average wage in the region stood at CZK 25,171. This is a 3.2% year-on-year increase in nominal terms.

5.1 Number of business entities by industry in 2016

Sector	quantity
Wholesale and retail, vehicle repair and maintenance	17 885
Professional, scientific and technical activities	10 449
Industry (total)	8 509
Construction	7 163
Other	6 411
Real-estate services	5 679
Uncategorized	3 940
Banking and insurance	3 441
Catering and hospitality	3 427
Culture, entertainment and recreation	1 903
Transport and warehousing	1 761
Administrative and support activities	1 688
Education	1 340
Information and communication services	1 170
Agriculture, forestry, fishing	1 164
Health and social care	1 086
Public administration and defence, mandatory social insurance	68
Total	77 084

Source: CSO, data as 31. 12. 2016

Businesses by main economic activity (CZ-NACE Classification)



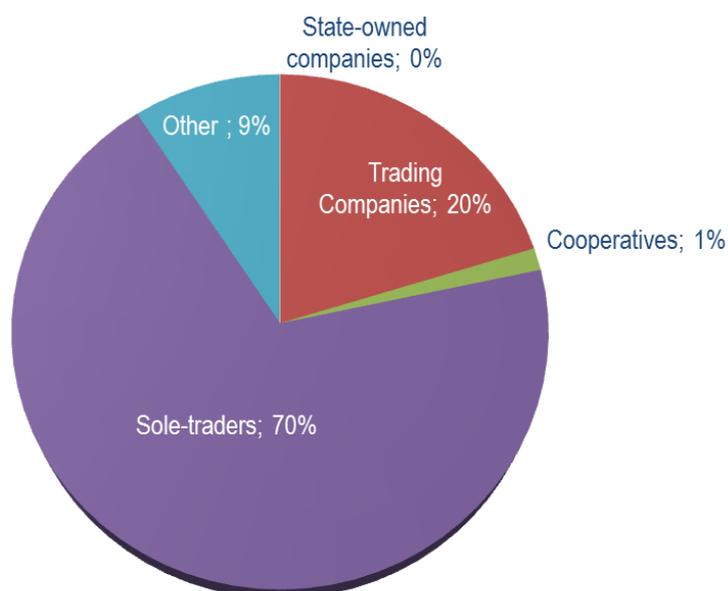
Source: CSO, data as 31. 12. 2016

5.2 Types of businesses by legal status, 2016

	Number
State-owned companies	5
Cooperatives	1 071
Sole-traders	53 300
Trade Companies	15 605
Other (budgetary organizations, contributory organizations, foundations, schools, foreign citizens, associations, Church organizations, etc.)	7 103
Total	77 084

Source: CSO, data as 31. 12. 2016

Structure of business entities by legal status



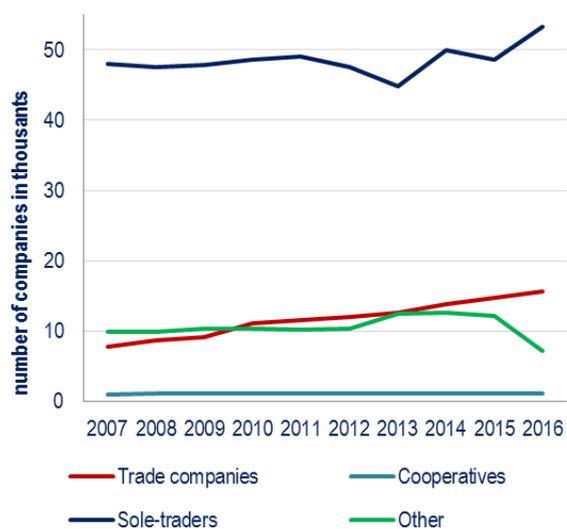
Source: CSO, data as 31. 12. 2016

5.3 Trends in the structure of business entities by legal form (2007–2016)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
State-owned companies	22	22	11	9	9	9	7	6	6	5
Trade companies	7 789	8 646	9 158	11 028	11 584	12 048	12 561	13 746	14 659	15 605
Cooperatives	1 018	1 050	1 045	1 042	1 046	1 080	1 069	1 083	1 082	1 071
Sole-traders	47 974	47 535	47 937	48 562	49 002	47 520	44 768	49 972	48 595	53 300
Other	9 943	9 941	10 315	10 303	10 112	10 288	12 451	12 565	12 090	7 103

Source: CSO, data as 31. 12.

Trends in the structure of business entities by legal form (2007 – 2016)



Source: CSO, data as 31. 12. 2016

5.4 Largest employers in Ostrava (number of employees)

Name of employer	number of employees as of 31 December						sector	website
	2016	2015	2014	2013	2012	2011		
ArcelorMittal Ostrava, a. s.	4 096	4 089	4 126	3 998	3 999	4 756	hutnictví	www.arcelormittal.com/ostrava
Fakultní nemocnic Ostrava	3 288	3 270	3 245	3 200	3 194	3 184	zdravotnictví	www.fno.cz
VŠB-TU Ostrava	2 571	2 555	2 806	2 746	2 643	2 511	vzdělávání	www.vsb.cz
Tieto Czech s. r. o.	2 198	2 035	2 081	2 011	1 952	1 948	obchod	www.tieto.cz
Městská nemocnice Ostrava	2 006	1 976	1 954	1 898	1 896	1 924	zdravotnictví	www.mnof.cz
Dopravní podnik Ostrava, a. s.	1 899	1 889	1 875	1 890	1 939	1 944	doprava a spoje	www.dpo.cz
SUNGWOO HITECH, s. r. o.	1 490	1 510	1 481	1 460	1 505	1 552	automobilový průmysl	www.swhitech.com
Česká pošta, s. p., Severní Morava	1 400	1 400	1 401	1 399	1 402	cca 1400	doprava a spoje	www.ceskaposta.cz
KES - kabelové a elektronické systémy, s. r. o.	1 384	1 150	820	717	647	645	automobilový průmysl	www.kes.cz
VÍTKOVICE HEAVY MACHINERY, a. s.	1 198	1 301	1 279	1 446	1 610	1 568	strojírenství	www.vitkovicemachinery.com
Ostravská univerzita v Ostravě	1 184	1 171	1 124	1 036	982		vzdělávání	www.osu.cz
H R U Š K A, spol. s r. o.	1 176	1 203	1 185	1 178	1 210	1 228	obchod	http://hruska.info
VÍTKOVICE STEEL, a. s.	926	899	1 098	1 080	1 111	1 387	hutnictví	www.vitkovicesteel.com
ArcelorMittal Tubular Products Ostrava, a. s.	901	962	1 019	1 022	1 035	1 055	hutnictví	www.arcelormittal.com/ostrava
BREMBO Czech, s. r. o.	882	784	610	520	420		automobilový průmysl	www.brembo.com
VÍTKOVICE POWER ENGINEERING, a.s.	831	1 203	1 364	1 568	1 610	1 503	strojírenství	www.vitkovicpower.cz
Vitkovická nemocnice, a. s.	814	799	807	805	807		zdravotnictví	http://nemocnicevitkovice.agel.cz
Maxion Wheels Czech s.r.o.	762	680	644	677	749	726	automobilový průmysl	www.hayes-lemmerz.com
ArcelorMittal Engineering Products Ostrava, a. s.	680	691	648	654	651	770	hutnictví	www.arcelormittal.com
Trinecké železáry, a. s., provoz VT	671	676	699	713	699	714	hutnictví	www.trz.cz
ITT Holdings Czech Republic, s.r.o.	608	586	585	572	571	543	automobilový průmysl	www.itt.cz
VÍTKOVICE MECHANIKA, a. s.	597	685	745	801	793	701	strojírenství	www.vitkovice-mechanika.cz
OKK Koksovny, a. s.	563	578	604	726	732	732	zpracování tuhých a plyných paliv	www.koksovny.cz
Hutní montáže, a. s.	549	511	481	485	580	616	výroba kovových konstrukcí a kovodělných výrobků, kromě strojů a zařízení	www.hutni-montaze.cz
PEGATRON Czech, s. r. o.	522	541	492	517	548	1 015	elektrotechnika	www.asus.cz

Source: Labour Office Ostrava (2011 – 2016)

5.5 Largest foreign-owned companies in Ostrava (number of employees)

Name of employer	number of employees as of 31 December						sector	website	Home country / foreign participation
	2016	2015	2014	2013	2012	2011			
ArcelorMittal Ostrava, a. s.	4 096	4 089	4 126	3 998	3 999	4 756	hutnictví	www.arcelormittal.com/ostrava	Switzerland
Tieto Czech s. r. o.	2 198	2 035	2 081	2 011	1 952	1 948	obchod	www.tieto.cz	Finland
SUNGWOO HITECH, s. r. o.	1 490	1 510	1 481	1 460	1 505	1 552	výroba motorových vozidel	www.swhitech.com	South Korea
KES - kabelové a elektronické systémy, s. r. o.	1 384	1 150	820	717	647	645	automobilový průmysl	www.kes.cz	Austria
VÍTKOVICE STEEL, a. s.	926	899	1 098	1 080	1 111	1 387	hutnictví	www.vitkovicesteel.com	Russia
BREMBO Czech, s. r. o.	882	784	610	520	420		automobilový průmysl	www.brembo.com	Italy
MONETA Money Bank, a. s.	815	794	759	751	706	637	peněžnictví	www.moneta.cz	USA
Maxion Wheels Czech s.r.o.	762	680	644	677	749	726	automobilový průmysl	www.hayes-lemmerz.com	USA
Veolia Energie ČR, a.s.	686	729	718	717	750	770	energetika	www.dalkia.cz	Czech/Italy
ITT Holdings Czech Republic, s. r. o.	608	586	585	572	571	543	automobilový průmysl	www.itt.cz	Italy
AHOLD Czech Republic, a. s.	540	621	418	398	430	392	obchod	www.albert.cz	The Netherlands
Telefónica O2 Czech Republic, a. s.	528	309	375	391	419	501	doprava a spoje	www.telefonica-o2.cz	Spain
PEGATRON Czech, s. r. o.	522	541	492	517	548	1 015	elektrotechnika	www.asus.cz	The Netherlands
Kaufland ČR, v. o. s.	395	396	406	447	403	398	obchod	www.kaufland.cz	Germany
Ostravské vodárny a kanalizace, a. s.	382	386	385	379	382	381	služby	www.ovak.cz	Czech/France
Tesco Stores ČR, a. s.	378	391	415	435	465	512	obchod	www.itesco.cz	United Kingdom
GLOBUS ČR, k. s.	375	380	376	388	362	385	obchod	www.globus.cz	SRN
BorsodChem MCHZ, s. r. o.	360	360	358	352	354	355	chemie	www.borsodchem-cz.com	China

Source: Labour Office Ostrava (2011 – 2016)

On 1 January 2015, Dalkia ČR, a.s. changed its name to Veolia Energie ČR, a.s., www.veoliaenergie.cz. On 1 May 2016, GE Money Bank, a.s. changed its name to MONETA Money Bank, a.s. www.moneta.cz.

5.6 Largest civil engineering / building companies in Ostrava (number of employees)

Name of employer	number of employees as of 31 December						website	Home country / foreign participation
	2016	2015	2014	2013	2012	2011		
ALPINE Bau CZ, s. r. o.	146	159	156	155	161	178	www.alpine.cz	Austria
EUROVIA CS, a. s.	130	134	141	170	188	195	www.eurovia.cz	France
STRABAG, a. s., odštěpný závod Ostrava	115	75	73	75	73	-	www.strabag.cz	Austria / Germany

Source: Labour Office Ostrava (2011 – 2016)

6 Labour force

Since 1990, the Moravian-Silesian region has been undergoing an extensive restructuring of the economic base, which has significantly changed its character and which has for many years been accompanied by lay-offs of tens of thousands of employees. The Moravian-Silesian region is one of the structurally most affected areas of the Czech Republic, characterised by a drastic reduction of heavy industry.

After the period of the global financial and economic crisis which started in late 2008, last year the Czech economy was experiencing economic recovery, with a number of economic indicators having the necessary dynamics. This development was reflected not only in the growing number of employees hired by businesses, but also in a relatively robust number of vacancies available. In 2016, the number of job seekers decreased by 2,356 (9.9%) in Ostrava and by 8,537 (11.8%) in the Moravian-Silesian Region. At present, districts of the Moravian-Silesian region have already reached the pre-crisis numbers of the unemployed, with the exception of Ostrava, where the number of job seekers is still 3-4 thousand higher than in late 2008. Positive effects were also due to job support through a wide range of active employment policy (AEP) instruments and measures, which are funded not only from the national budget, but also from the European Social Fund (ESF). With this financial support, employers and jobseekers in Moravian and Silesian Region created a total of 6,483 jobs in 2016. Of these, 650 jobs were funded from the national AEP and 5,833 were funded from the ESF.

In Ostrava, a total of 1,413 jobs were financially supported in 2016, of which 151 were funded from the national AEP and 1,262 from the ESF.

6.1 Labour force in Ostrava by sector – number of employees (in companies with 26 or more employees, 2011 – 2016)

Sector	number of employees as of k 31. 12. 2016	number of employees as of k 31. 12. 2015	number of employees as of k 31. 12. 2014	number of employees as of k 31. 12. 2013	number of employees as of k 31. 12. 2012	number of employees as of k 31. 12. 2011
Agriculture, forestry, fishing	242	258	265	204	215	213
Mining	281	297	292	308	596	603
Manufacturing	30 153	30 262	30 140	30 618	30 941	32 865
Production and distribution of electricity, gas, heat, air conditioning	1 718	1 719	1 719	1 565	1 626	1 539
Water supply, waste treatment waste management	2 076	1 928	1 954	1 900	2 022	2 032
Construction and civil engineering	2 978	3 197	3 434	3 678	3 772	4 293
Retail, wholesale, repairs and maintenance of motor vehicles	6 361	6 276	6 209	6 368	6 639	6 898
Freight and storage	7 265	7 115	7 098	7 173	7 587	7 700
Accommodation, catering, hospitality	689	708	675	706	741	1 095
Information and communications	5 466	4 711	4 623	4 410	4 274	4 420
Finance and insurance	2 571	2 586	2 619	2 508	2 458	2 361
Real estate services	779	783	791	792	635	622
Professional, scientific and technical activities	2 019	1 962	1 975	1 154	1 171	1 280
Administrative and auxiliary	5 100	4 952	5 112	3 755	4 076	3 273
Public administration, defence mandatory social welfare	8 344	8 026	7 969	7 696	7 685	7 795
Education	10 925	10 807	10 989	10 680	10 636	10 634
Health care and social services	10 012	9 887	9 808	9 584	9 628	9 656
Culture, entertainment, recreation	1 751	1 704	1 686	1 609	1 622	1 660
Other activities	933	943	974	902	902	919
Total	99 663	98 121	98 332	95 610	97 226	99 858

Source: Labour Office Ostrava (2011 – 2016)

Year-on-year changes in unemployment in individual sectors (comparing 2016 and 2015)



Source: Labour Office Ostrava (2015, 2016), own processing

6.2 Employment trends in Ostrava, 2006 – 2016

total number	data as of 31 December										
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
companies with 26 or more employees	97 184	103 367	105 881	102 006	101 083	99 858	97 226	95 610	98 332	98 121	99 663
self-employed	23 485	24 770	25 160	25 269	26 295	26 768	26 267	25 343	24 452	24 246	24 137
registred job-seekers	22 750	17 853	15 362	20 400	21 732	20 445	22 782	26 193	25 110	22 754	20 496
vacancies	3 523	4 247	4 272	889	1 441	1 715	1 700	629	2 155	3 939	4 389
job-seekers per vacancy	6,5	4,2	3,6	22,9	15,1	11,9	13,4	41,6	11,7	5,8	4,7

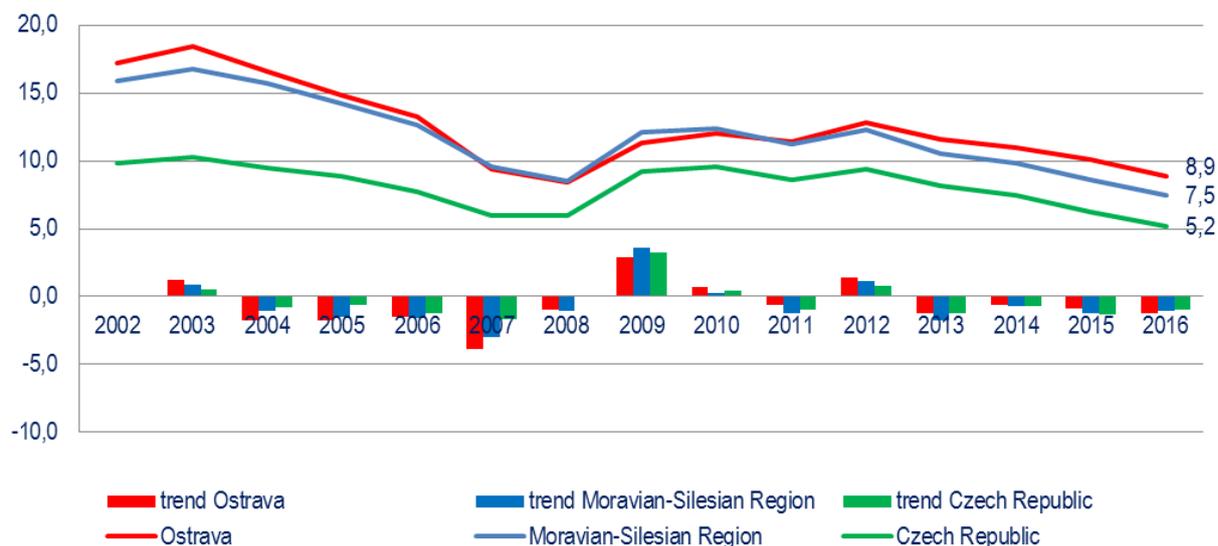
Source: Labour Office Ostrava

Year on year changes in workforce (comparing 2016 and 2015)



Source: Labour Office Ostrava (2015, 2016), own processing

6.3 Unemployment rate trends in Ostrava and year-on-year changes on unemployment rate, 2002 – 2016



Source: Integrated portal of Ministry of Labour and Social Affairs, own processing

6.4 Job applicants in Ostrava by age, 2010 – 2016

age	31.12.2011		31.12.2012		31.12.2013		31.12.2014		31.12.2015		31.12.2016	
	total	%										
up to 19	907	4,40	993	4,40	1 015	3,88	906	3,61	846	3,72	818	3,99
20 - 24	2 385	11,60	2 643	11,60	2 991	11,42	2 495	9,94	1 974	8,68	1 620	7,90
25 - 29	2 181	10,70	2 432	10,70	2 959	11,30	2 787	11,10	2 477	10,89	2 099	10,24
30 - 34	2 244	11,00	2 540	11,10	2 933	11,20	2 671	10,64	2 397	10,53	2 071	10,10
35 - 39	2 412	11,80	2 770	12,20	3 253	12,42	3 227	12,85	2 779	12,21	2 426	11,84
40 - 44	2 163	10,60	2 371	10,50	2 855	10,90	2 952	11,76	2 719	11,95	2 436	11,89
45 - 49	2 363	11,50	2 625	11,50	2 908	11,10	2 783	11,08	2 565	11,27	2 271	11,08
50 - 54	2 574	12,60	2 630	11,50	2 853	10,89	2 879	11,47	2 696	11,85	2 537	12,38
55 - 59	2 591	12,70	2 901	12,70	3 263	12,46	3 133	12,48	2 885	12,68	2 691	13,13
60 - 64	607	3,00	847	3,70	1 119	4,27	1 237	4,93	1 355	5,95	1 439	7,02
65 +	18	0,10	30	0,10	44	0,17	40	0,16	61	0,27	88	0,43
Total	20 445	100,00	22 782	100,00	26 193	100,00	25 110	100,00	22 754	100,00	20 496	100,00

Source: Labour Office Ostrava

6.5 Job applicants in Ostrava by education, 2011 – 2016

Level of education (according to ISCED 97)	31.12.2011		31.12.2012		31.12.2013		31.12.2014		31.12.2015		31.12.2016	
	total	%										
No education	161	0,79	206	0,90	268	1,02	307	1,22	330	1,45	399	1,95
Basic education	7 211	35,27	7 817	34,31	9 027	34,46	8 853	35,26	8 218	36,12	7 739	37,76
Secondary vocational	8 015	39,20	9 231	40,52	10 591	40,43	9 923	39,52	8 682	38,16	7 549	36,83
Secondary vocational with "maturita" school leaving examination	3 366	16,46	3 772	16,56	4 323	16,50	3 938	15,68	3 550	15,60	3 066	14,96
Secondary general	525	2,57	455	2,00	499	1,91	655	2,61	559	2,46	516	2,52
Tertiary	1 167	5,71	1 301	5,71	1 485	5,67	1 434	5,71	1 415	6,22	1 227	5,99
Total	20 445	100,00	22 782	100,00	26 193	100,00	25 110	100,00	22 754	100,00	20 496	100,00

Source: Labour Office Ostrava

6.6 Entry of Foreigners into the Labour Market of the Czech Republic

Despite the improved labour market situation, in 2016, too, the registered unemployment exceeded the number of vacancies several times. Still, it is hard to find the required job seekers for some professions. As a result, recruiters must keep hiring foreign nationals. As of 31 December 2016, a total of 7,377 EU/EEA and Swiss citizens were registered in the Moravian-Silesian Region, of which 4,976 were citizens of Slovakia. The number of these citizens who do not need a work permit and are only subject to the reporting obligation increased by 422 at the end of last year (especially Polish citizens). The increase in the number of EU citizens has primarily been due to the year-on-year economic growth and the lack of domestic workforce for high-skill jobs. A larger number of EU citizens is also associated with an increase in the work for investors in the Ostrava-Hrabová and Vratimov industrial zones. In terms of professions, the majority of workers are construction workers, assistant workers in manufacturing, system administrators and computer network administrators, welders, assembly workers, customer contact centre workers, bricklayers, locksmiths, data entry computer operators, computer application programmers, truck drivers, general nurses and physicians, administrative workers, construction painters, metalworkers, carpenters and sales representatives.

In late 2016, a total of 177 foreign nationals were also legally employed in the district of Ostrava (most of them being of Ukrainian and Korean nationality). Regarding foreign nationals from countries outside the European Union, with the exception of two manufacturing companies, they mostly work in cooperatives which primarily provide services in the field of construction products.

Since the end of 2015, there has been an increase of 145 foreigners in the category of foreign nationals registered under Section 98(a) to (e), (j) to (r) of the Employment Act. The most common professions were chefs, construction workers, manicurists and pedicurists, waiters and waitresses, welders, accountants, scientists, research and development staff at universities, retail and wholesale outlet operators, assistant workers in manufacturing and system administrators, and computer network administrators.

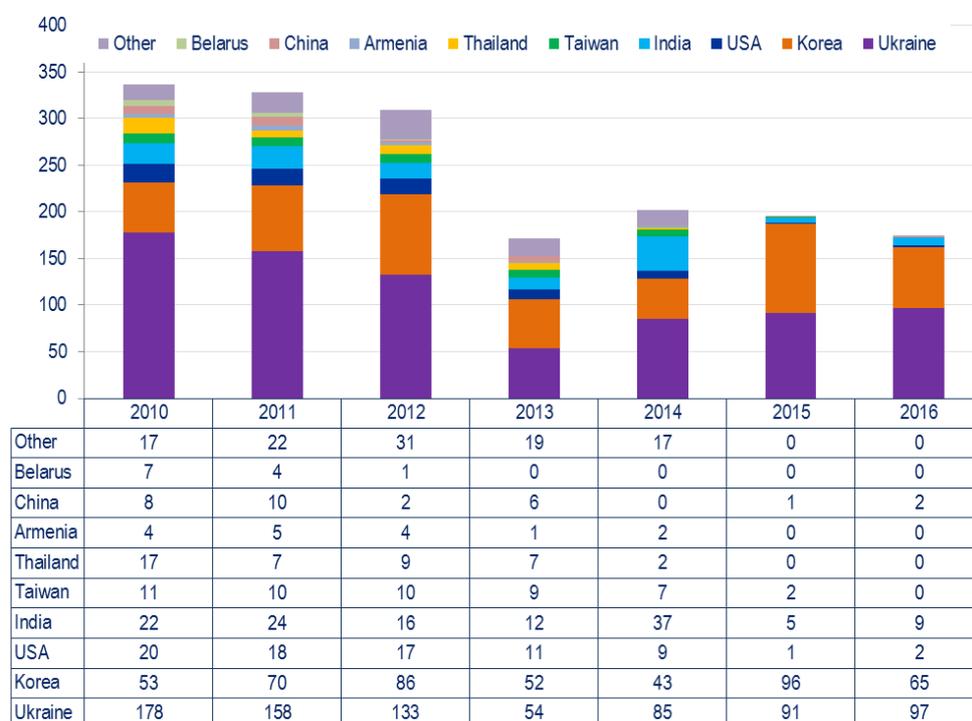
6.6.1 Foreign citizens on the labour market in Ostrava

Foreign employees from EU/EEA member states and Switzerland

total number	31.12.						
	2010	2011	2012	2013	2014	2015	2016
Valid work permit	337	328	309	171	202	196	177
Registered employed citizens from EU/EEA member states and Switzerland	4 023	4 358	5 034	5 521	5 552	6 955	7 377
Foreign citizens registered in accordance with Section 98 a) - e), j) - r). Labour Code "green and blue card" systém	355	354	396	554	475	628	773
employee cards	-	-	-	-	8	93	187
Total	4 716	5 044	5 743	6 252	6 256	9 895	8 524

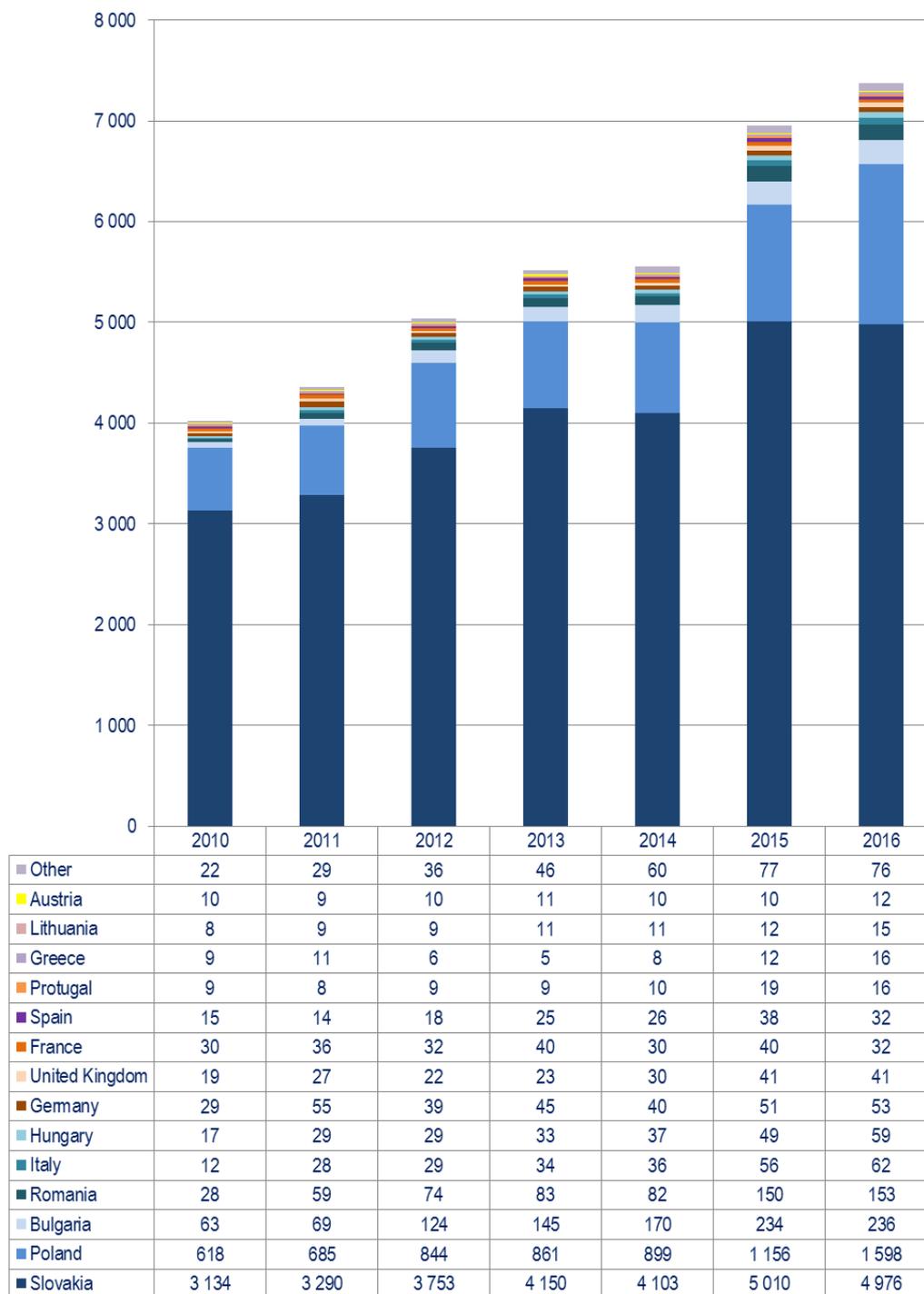
Source: Labour Office Ostrava

Number of valid work permits issued to foreign citizens (not citizens of EU / EEA and Switzerland) – breakdown by citizenship



Source: Labour Office

Number of registered employees from EU/EEA and Switzerland, by nationality



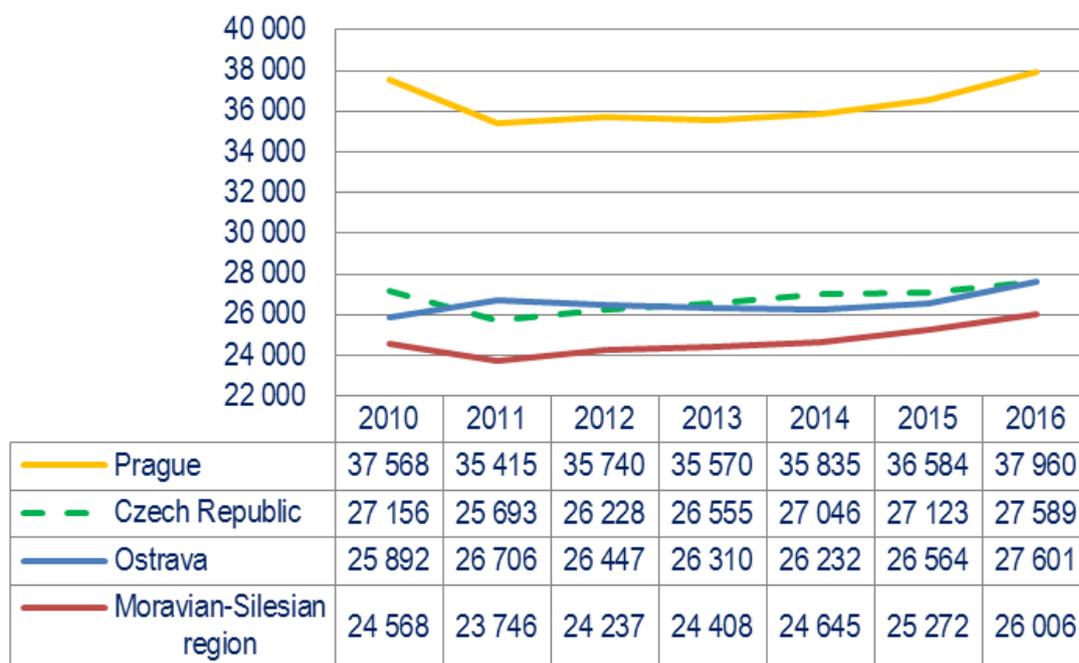
Source: Labour Office

7 Average wages, taxes

Average gross monthly wages include all incomes accounted as **employees' pay and present the amount per employee per month**. They do not include any wage compensation for the duration of sick leave paid by the employer. Gross wages are subsequently subject to deductions made by the employer on behalf of the employee for the payment of health insurance, social security and advances on income tax. After the deductions, the employee is paid net wages.

Taxes are defined as compulsory state-mandated and enforceable non-refundable payment to the state budget. **Direct taxes** are those which target a specific and identifiable person (the taxpayer) to pay the tax. The tax is then payable from the person's income or property. **Indirect taxes** are those that mostly do not allow the identification of the person that will eventually pay the tax, but rather the person (the taxpayer) that transfers the tax.

7.1 Average pre-tax monthly wage, 2010 – 2016



Sources: ISAE (2016), MLSA, TREXIMA, s. r. o.

Average pre-tax monthly wage in Ostrava – private sector

7.1.1 Pre-tax monthly wages in the Moravian-Silesian Region – breakdown by main employment categories and sub-categories, 2016

	Private sector	State sector
	Average pre-tax monthly wage (CZK)	
Executive and management employees	53 933	50 815
Executives	82 828	57 665
Managers of business administration, commerce, marketing	64 475	48 318
Managers of production, IT, education and related fields	55 973	51 079
Management in wholesale and retail, in services	29 784	36 348
Specialists	38 781	32 435
Science and Technology Specialists	37 426	33 601
Health Specialists	40 721	47 259
Education Specialists	33 779	28 876
The business community and public sector Specialists	40 055	34 896
ICT Specialists	42 940	33 323
Specialists in legal, social, cultural and related fields	*	28 114
Technicians and professionals	29 518	29 788
Science and Technology technicians and professionals	32 609	28 788
Health professionals	23 439	30 468
Business and public administration professionals	28 849	30 194
Professionals in legal, social, cultural and related fields	17 996	24 743
ICT technicians	30 784	27 704
Officials	20 936	23 473
General administrative staff, secretaries	18 635	22 272
Information services staff, counters and related fields	21 813	21 019
Logistics officials	22 842	24 764
Other qualified administrative employees	21 077	24 686
Employees in services and sales	16 796	21 711
Employees in the personal services sector	14 498	17 048
Sales employees	17 615	20 795
Personal care employees in education, health	*	19 843
The protection and surveillance employees	14 977	30 029
Skilled workers in agriculture, forestry and fishery	*	17 943
Skilled workers in agriculture	*	17 675
Skilled workers in forestry, fishing and gamekeeping	19 908	*
Craftsmen and repairmen	24 394	21 080
Craftsmen, skilled workers at construction sites	19 678	20 884
Metal, machinery workers	25 282	20 226

Employees in the field of traditional arts and crafts, printing	*	22 600
Electronics and electrical engineering employees	27 878	23 705
Food processors, wood, textiles workers	22 920	19 147
Operators of lathes, Production line workers	24 399	21 754
Operators of lathes, Production line workers	26 278	17 413
Production line workers	23 548	*
Drivers and mobile plant operators	22 744	22 724
Auxiliary and non-qualified staff	16 650	13 641
Auxiliary and cleaning staff	12 523	13 515
Auxiliary and non-qualified construction site workers	18 435	16 383
Auxiliary while preparing food	12 744	14 694
Waste Management and other auxiliary		13 407
Manual workers	22 236	18 161
Non-manual workers	31 228	31 123
Total	31 228	28 228

Source: The Ministry of Labour and Social Affairs (2016)

7.2 Taxes

Ostrava is subject to the same conditions as the entire Czech Republic.

7.2.1 Direct Taxes

Taxes which target a specific and identifiable person to pay the tax.

- **Income taxes:**

- *personal income tax* – 15 %
solidarity tax – 7 % (in the case of monthly income over CZK 112 928)
- corporate income tax – 19 %

- **Property taxes:** (Property tax coefficient for Ostrava: 3.5.)

- *Immovable property tax:*
 - 0.75% for arable land, hop fields, vineyards, gardens, orchards
 - 0.25% for grassland, forests subject to economic activities and fish breeding ponds
 - CZK 0.20 per m² for built-up area and courtyard
 - CZK 1 per m² for paved areas used for agricultural production, forestry and water management
 - CZK 5 per m² for paved areas used for industry, transport and energy
 - CZK 2 per m² for construction plots of land – CZK 0.20 per m² for other areas

- *Tax on the acquisition of immovable property: 4%*
- *Road tax: Passenger cars – CZK 1,200 to CZK 4,200*
Lorries – CZK 1,800 to CZK 50,400
- *Gift tax – repealed from 1 January 2014 (merged into income tax)*
- *Inheritance tax – repealed from 1 January 2014*

7.2.2 Indirect Taxes

These taxes do not allow the determination of the taxpayer in advance. The administrator of excise taxes is primarily the customs authority with territorial jurisdiction according to the place of residence or registered office of the taxpayer.

- **Excise tax**

Excise duty is levied on “selected products” such as mineral oils, alcohol, beer, wine, intermediate products and tobacco products.

- **Value added tax**

Base rate: 21%.

Reduced rate: 15% levied in particular on food, non-alcoholic beverages, water and sewage, heat, urban transport, magazines and newspapers, accommodation services, tickets for cultural events and generally also housing construction works.

Reduced rate: 10% levied on medicines, books and infant nutrition

- **Eco tax** (tax on electricity, natural gas and solid fuels)

8 Information for investors

8.1 Investment incentives

Investors who invest their funds in the Czech Republic can receive support in the form of investment incentives. Foreign companies may apply for incentives, but the beneficiary must be a legal person established in the Czech Republic.

Investment incentives are regulated by Act No. 72/2000 Sb. as amended with effect from 1 May 2015.

Individual forms of investment incentives in Ostrava include:

- tax credit on corporate income – for a 10-year period;
- financial support for creating new jobs:

- supported industrial zones (Zone Mošnov) CZK 300,000;
- regions with an unemployment rate 50% above the national average CZK 200,000;
- financial support for retraining or new employee training:
 - support of CZK 200,000 per newly created job
 - 50% support for retraining and training
- property tax exemption – for up to 5 years subject to local authority approval;
- financial support for property acquisition – provided for strategic investments projects in manufacturing or technology centres, up to 10% of eligible investment costs.

Useful links with up-to-date information: www.czechinvest.org

8.2 Operational Programmes (OP) 2014 – 2020

Nearly EUR 24 billion were earmarked for the Czech Republic. European Union funds include a wide range of financial aid instruments. Government Resolution No 650 of 31 August 2011 entrusted the coordination of the preparation of programming documents at both Czech and EU levels to the Ministry for Regional Development. In the programming period 2014–2020, the following operational programmes were defined:

8.2.1 National operational programmes

- Operational Programme Enterprise and Innovation for Competitiveness, managed by the Ministry of Industry and Trade, focusing on technology transfer and cooperation between the R&D and innovation sectors, the shift from the building of innovative infrastructure to its development and efficient use, the strengthening of the role of financial instruments, and greater emphasis on the use of applied industrial research and development.
- Operational Programme Research, Development and Education, managed by the Ministry of Education, Youth and Sports, focuses on strengthening research, university and human resource development capacities for R&D and equal access to quality pre-school, primary and secondary education.
- Operational Programme Employment, managed by the Ministry of Labour and Social Affairs; the aim is to promote employment and adaptability of the workforce, social inclusion and the fight against poverty, social innovation and international cooperation and effective public administration
- Operational Programme Transport, managed by the Ministry of Transport, focused on road and rail transport, road infrastructure.
- Operational Programme Environment, managed by the Ministry of the Environment;

- Integrated Regional Operational Programme, managed by the Ministry of Regional Development;
- Operational Programme Prague – Growth Pole of the Czech Republic, managed by the City of Prague;
- Operational Programme Technical Assistance, managed by the Ministry of Regional Development;
- Operational Programme Fisheries 2014–2020, managed by the Ministry of Agriculture;
- Rural Development Programme, managed by the Ministry of Agriculture;

8.2.2 Cross-border cooperation programmes

- Interreg V-A Czech Republic – Poland, managed by the Ministry for Regional Development;
- Interreg VA Slovak Republic – Czech Republic, coordinated in the Czech territory by the Ministry for Regional Development;
- Interreg VA Austria – Czech Republic, coordinated in the Czech territory by the Ministry of Regional Development;
- Programme of cross-border cooperation between the Czech Republic and the Free State of Bavaria, ETC Objective 2014–2020, coordinated in the Czech Republic by the Ministry of Regional Development;
- Programme of cooperation between the Free State of Saxony and the Czech Republic 2014–2020, coordinated in the Czech territory by the Ministry of Regional Development;

8.2.3 Programmes of transnational and interregional cooperation

- Programme of transnational cooperation Interreg CENTRAL EUROPE, coordinated within the territory of the Czech Republic by the Ministry of Regional Development;
- Programme of transnational cooperation Interreg DANUBE, co-ordinated in the Czech Republic by the Ministry of Regional Development (adopted subsequently by Government Resolution No 447 of 12 June 2013);
- Programme of transnational cooperation INTERREG EUROPE, coordinated by the Ministry of Regional Development in the Czech Republic.
- Programme of transnational cooperation ESPON 2020
- Programme of transnational cooperation INTERACT III
- Programme URBACT III

8.3 Credit ratings, macroeconomic indicators

8.3.1 Credit ratings

On 16 February 2017, Moody's assigned the rating of A1 to the city of Ostrava. The upgrade from "A2, positive outlook" rating is in particular due to the more conservative management of the city's budget, which has resulted in improved operating and overall economic performance, prudent capital expenditure planning, and declining indebtedness. Ostrava now has the same rating as the Czech Republic, i.e. the highest rating that a Czech city can be assigned. Currently, only Prague, Brno and Prostějov have the same rating.

Ostrava's A1 rating takes into account its strong operating profits supported by rigorous expenditure control and tax revenue growth, good financial results contributing to high cash reserves and a conservative capital spending plan. The decreasing indebtedness and importance of Ostrava as the third largest city in the Czech Republic and the industrial and economic centre are other important factors of rating. The rating also reflects Ostrava's debt service, which is slightly above average, but well-manageable thanks to the favourable debt structure.

Ostrava has been rated by Moody's since 1998.

In the course of 20 years, the rating assigned to Ostrava has been steadily rising, going from Baa1 to the highest rating of A1:

- years 1998–2002, credit rating of Baa1
- years 2003–2005, credit rating of A3
- years 2006–2016, credit rating of A2
- year 2017, credit rating of A1.

8.3.2 Macroeconomic Indicators

Gross Domestic Product (in current prices) in CZK millions

	in million C									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Czech Republic Total	3 507 131	3 831 819	4 015 346	3 921 827	3 953 651	4 033 755	4 059 912	4 098 128	4 313 789	4 554 615
Regions - NUTS2										
Prague	864 789	966 414	1 027 527	1 001 432	1 016 179	1 000 864	999 382	1 005 128	1 037 351	1 112 788
Central Bohemian Region	376 518	414 893	439 322	419 852	419 500	439 972	447 887	450 361	483 511	527 868
Southwest	373 103	390 928	392 446	396 854	400 435	405 296	405 062	418 041	439 452	463 402
Northwest	304 914	327 051	339 608	340 839	332 402	332 521	331 546	330 064	338 374	362 170
Northeast	422 994	457 386	470 057	458 984	467 258	476 958	472 163	477 041	503 805	535 936
Southeast	489 793	540 269	569 245	558 784	561 852	582 183	597 527	617 154	635 881	678 912
Central Moravia	324 889	352 053	374 364	366 089	368 167	379 967	381 098	383 883	410 562	438 568
Moravia-Silesia	350 131	382 825	402 777	378 993	387 858	404 750	406 945	395 437	411 950	434 971
Regions - NUTS3										
Prague	864 789	966 414	1 027 527	1 001 432	1 016 179	1 000 864	999 382	1 005 128	1 037 351	1 112 788
Central Bohemian Region	376 518	414 893	439 322	419 852	419 500	439 972	447 887	450 361	483 511	527 868
South Bohemian Region	191 540	200 653	203 332	203 518	202 252	203 245	207 502	210 964	218 981	230 508
Plzeň Region	181 563	190 275	189 114	193 336	198 183	202 051	197 560	207 077	220 471	232 894
Karlovy Vary Region	76 540	83 137	84 114	84 468	82 811	82 807	81 959	81 547	83 049	86 956
Ústí nad Labem Region	228 374	243 914	255 494	256 371	249 591	249 714	249 587	248 517	255 325	275 214
Liberec Region	120 553	125 101	127 616	123 138	126 195	128 644	130 995	131 822	138 318	147 208
Hradec Králové Region	158 007	173 565	180 543	179 315	181 499	183 001	183 621	184 197	196 438	208 560
Pardubice Region	144 434	158 720	161 898	156 531	159 564	165 313	157 547	161 022	169 049	180 168
Vysočina Region	143 355	157 330	156 970	155 747	154 713	161 677	165 060	166 525	170 849	180 155
South Moravian Region	346 438	382 939	412 275	403 037	407 139	420 506	432 467	450 629	465 032	498 757
Olomouc Region	160 528	174 709	183 300	179 233	183 272	189 162	190 927	190 689	200 042	215 650
Zlín Region	164 361	177 344	191 064	186 856	184 895	190 805	190 171	193 194	210 520	222 918
Moravian-Silesian Region	350 131	382 825	402 777	378 993	387 858	404 750	406 945	395 437	411 950	434 971

Moravian-Silesian Region	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross Domestic Product (million CZK)	350 131	382 825	402 777	378 993	387 858	405 476	408 612	398 954	411 950	434 971
GDP per Head of population (CZK)	280 125	306 426	322 178	303 351	311 598	329 361	332 781	324 580	344 328	357 939
Czech Rep. average = 100 (%)	82,0	82,5	83,7	81,2	82,9	85,7	86,1	83,2	84,0	82,9

Source: Czech Statistical Office (2016)

8.4 Building permission process

Czech planning processes are similar to those in other EU countries. A construction project has to be approved by the relevant authorities in the following stages:

1. Compliance with the zoning plan.
2. Environmental impact assessment (EIA) (min. 5 – 6 months):
 - a) committee stage (min. 2 months),

b) assessment stage (min. 3 – 4 months).

3. Special permit (e. g. exemption from the law on the protection of nature and landscape, water-law permit etc. – it always depends on the nature of the building under consideration).
4. Planning permission (2 – 3 months).
5. Integrated permission (2 – 5 months).
6. Building permission (1 – 2 months).
7. Final inspection (1 month).

8.5 Land pricing

The price of land owned by the City of Ostrava and equipped with technical and utilities infrastructure is open to negotiation and generally depends on the proposed use of the land. The final price must be approved by the Ostrava City Assembly. The City of Ostrava has produced a Land Pricing Map based on cadastral maps and available in a digital version via the City's GISMO information system, which displays the boundaries of plots and cadastral divisions.

Original pricing maps of building plots are available to view free of charge at the Finance and Budget Division of the Ostrava City Authority, Prokešovo náměstí 8, Ostrava, during opening hours. A digital version of the Land Pricing Map is available at the Projects, IT Services and Outsourcing Division of the Ostrava City Authority, Prokešovo náměstí 8, Ostrava. It is also available free of charge on the City of Ostrava's website at <http://gisova.ostrava.cz>.

8.6 Utilities pricing

CZK/m ³	Price excl. VAT	VAT (15%)	Price incl. VAT
Water	32,45	4,87	37,52
Sewerage	34,17	5,13	39,30
Total			76,62

Source: Ostravské vodárny a kanalizace (2017)

Prices for the year 2017

Heat	Individual pricing
Low voltage electricity (high – volume customers)	Individual pricing
High voltage electricity (high – volume customers)	Individual pricing
Natural gas (mid, high – volume customers)	Individual pricing

*) Commercial customers are supplied on the basis of individual contracts agreed with the supplier.

8.7 Industrial zones

8.7.1 Ostrava-Hrabová

The Ostrava-Hrabová industrial zone is a strategic development site of CTP Invest, spol. s r.o. The projects situated in the zone are of fundamental importance for increasing the economic attractiveness of the City and creating jobs in Ostrava. The total area of the industrial zone equipped with underground utilities is more than **115 ha**.

31. 12. 2016 the total amount of investment invested in the zone 16,7 billion CZK created 7788 jobs the Ostrava-Hrabová industrial zone has become one of the most successful industrial properties throughout the Czech Republic for which it has won a number of awards. The zone is situated on the southern outskirts of the city, close to the Ostrava – Frýdek-Místek motorway with connections to Prague and Brno, Poland, Slovakia and Austria. Benefiting from its position in a regional metropolis with a developed infrastructure and advanced educational base, it provides investors with the necessary security of steady labour supply and future development.

Investors at the Ostrava-Hrabová Industrial Zone

Investors	Investment (millions of CZK)	Number of jobs as of 31. 12. 2015	Number of jobs as of 31. 12. 2016	Expected number of jobs as of 31. 12. 2017
PEGATRON Czech, s. r. o.	1 112	627	1 099*	1 420**
SUNGWOO HITECH, s. r. o.	9 555	1 510	1 489	1 550
CTP Invest, s. r. o.	6 030	4 750	5 200	6 000
total	16 697	6 887	7 788	8 970

* the number is composed of the investor's core employees (520) and agency employees (579)

** the number is composed of the investor's core employees (520) and agency employees (900)

Source: data supplied by investors

8.7.2 Ostrava-Mošnov

The Ostrava-Mošnov Strategic Industrial Zone is a unique investment opportunity for investors looking to benefit primarily from its strategic location near the international airport with connection to the motorway and railway network. The Ostrava Airport Strategic Industrial Zone is fully open to a variety of business activities characteristic for modernity, export orientation and technical progress. Working with local manufacturers and suppliers is particularly welcome. The zone is accredited by CzechInvest, a foreign investment agency, and is supported by the State.

Situated 25 km south of the city centre, the zone is very well accessible with the availability of road, rail and air transport. In the immediate vicinity of the zone is a 30ha business park with small and medium-sized businesses. The premises also offer spaces suitable for administrative purposes, which can be rented.

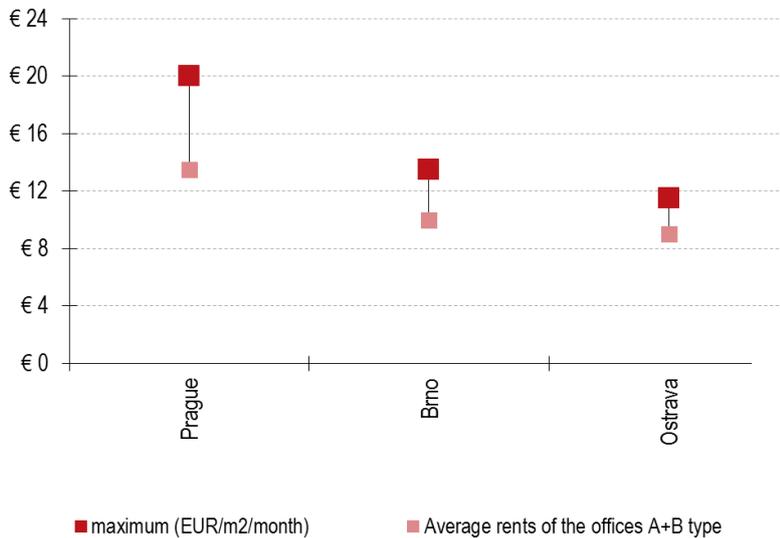
The total area is 200ha. The amount invested has already reached CZK 10,4 billion (31.12.2016) and 2 959 new jobs were created..

Investors at the Ostrava-Mošnov Strategic Industrial Zone

Investors	Investment (millions of CZK)	Number of jobs as of 31. 12. 2015	Number of jobs as of 31. 12. 2016	Expected number of jobs as of 31. 12. 2017
MAHLE Behr Ostrava, s. r. o.	2 435	1 351	1 250	1 427
PLAKOR CZECH, s. r. o.	2 949	952	1 125	1 250
CROMODORA WHEELS, s. r. o.	2 168	361	408	400
Free Zone Ostrava, a. s.	25	14	9	7
Železniční cargo MOŠNOV, s. r. o. (Rail Cargo Mošnov)	0	0	0	0
Mobis Automotive Systém Czech,s.r.o.	2 803	0	166	411
Vítkovice – výzkum a vývoj – technické aplikace a.s.	25	0	1	10
total	10 405	2 678	2 959	3 505

Source: data supplied by investors

8.8 Real Estate



Source: JLL (June 2017)

Office spaces – comparison of rents/month

The highest rent in the most modern “A” class offices in Ostrava is EUR 11.5/m² per month. The average rate in A and B class offices is EUR 9/m² per month.

Development sites

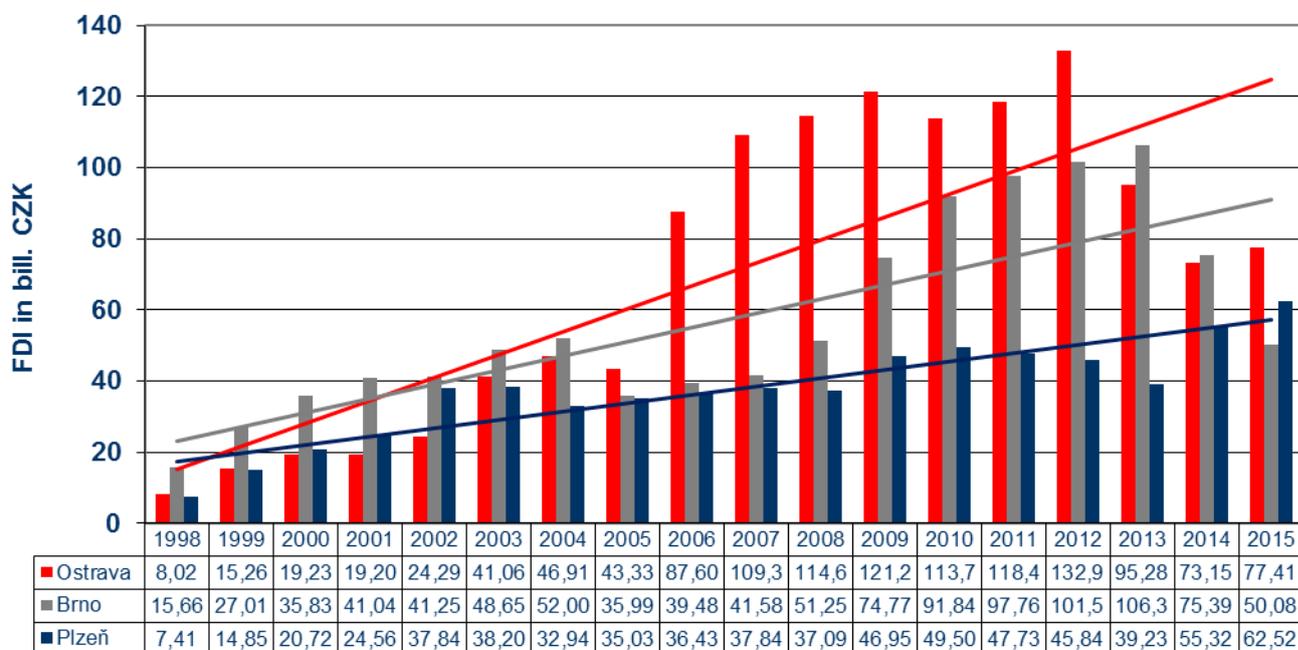
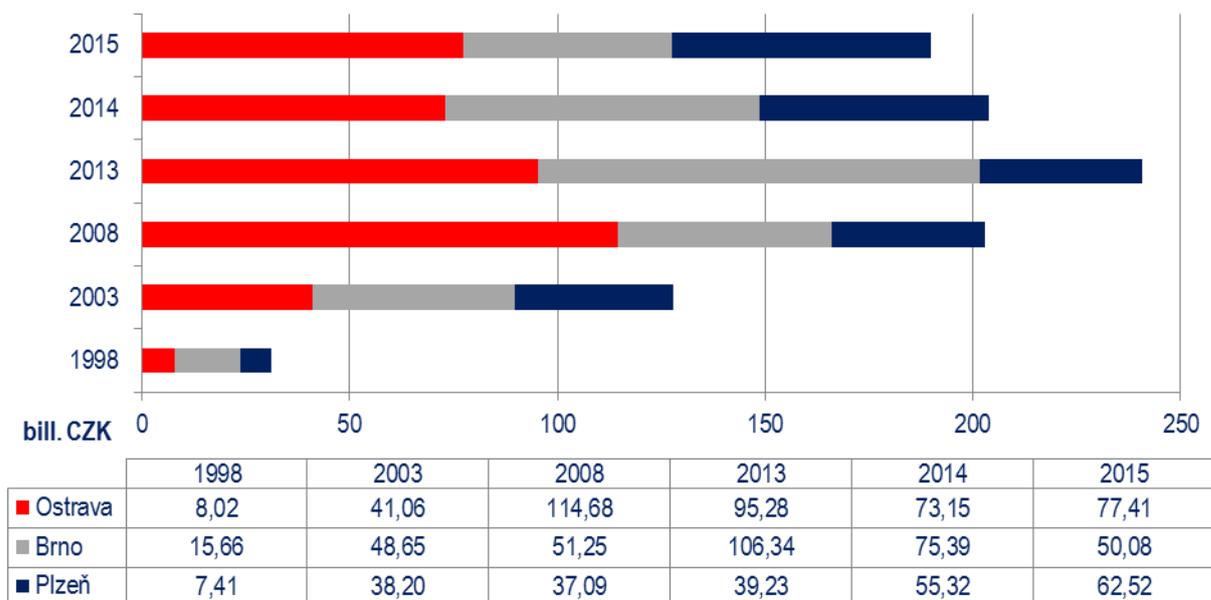
The City of Ostrava has produced and launched a new database of development sites. The database forms an integral part of the City’s marketing activities aiming to attract new investors to Ostrava. The database contains a complete listing of all development sites owned by the City of Ostrava. The information can be viewed via real estate web servers, making it much easier for potential investors to access essential information for their business plans.

Useful links with up-to-date information:

<http://www.ostrava.cz/en/podnikatel-investor/investment-opportunities/development-sites>

8.9 Level of FDI (foreign direct investment)

Level of FDI (foreign direct investment) in Ostrava, Brno and Pilsen (CZK billions) – figures for each year as of 31 December (1998 – 2015), cumulatively



Source: Czech National Bank, CzechInvest

9 Transport

Ostrava is a major road and railway hub of the Moravian-Silesian Region, and the Ostrava Leoš Janáček International Airport is only 25 kilometres from the city centre. The Moravian-Silesian Region is the first region in the Czech Republic with an international airport connected to the railway network. The new train terminal was built right next to the Mošnov airport and can be reached from the airport terminal building via a covered walkway.

Ostrava also has the potential to become an important centre for river transport. The city is situated on route VI of the TEN European Multimodal Corridor leading north-south across the Czech Republic from Poland through Moravia to the Austrian border.

Statistical information on traffic since 2010 are available on **the City's website**: <http://www.ostrava.cz/cs/urad/magistrat/odbory-magistratu/odbor-dopravy/oddeleni-silnic-mostu-rozvoje-a-organizace-dopravy/informace-o-doprave>

The City has developed a **sustainable mobility plan**, a strategic document designed to meet the mobility needs of people and businesses in and around cities in order to ensure a better quality of life. Based on existing planning procedures, it focuses on the integration, participation and evaluation principles. Link: <http://mobilita-ostrava.cz/>

9.1 Basic indicators in transport

Total length of motorways (within the City)	17.490 km	network	30.8 km
Total length of roads	194.223 km	Operating length of bus network	351.6 km
Total length of local roads		Number of passenger cars	136,223 *
For motorized transport	828.523 km	Level of motorization	2.45 *
Total length of bicycle paths and marked trails	237.000 km		
Number of bridges including footbridges, underpasses and railway crossings	551		
Number of light-controlled junctions	106	Note:	
Operating length of tram network	62.7 km	* Data for the City of Ostrava including administratively associated municipalities.	
Operating length of trolleybus			

9.2 Public transport

Public transport in Ostrava is part of the integrated transport system, (the ODIS), which guarantees a coordinated transport of ten carriers in Ostrava and its surroundings. Currently, a

total of 297 cities and municipalities of the Moravian-Silesian Region are directly or indirectly involved in the ODIS. Several carriers also offer long-distance and international connections.

Transport in Ostrava is primarily provided by the Ostrava Transport Company with its 290 buses, 262 trams and 63 trolleybuses and an annual transport volume of **up to 91 million persons**. The city is divided into four zones. The newly created Ostrava XXL zone includes municipalities and towns in the immediate vicinity of Ostrava. The central bus station is located near the City centre and the Ostrava–Střed railway station. More information: www.dpo.cz.

9.3 Road transport

Ostrava is an important transport hub and the main intersection of the Moravian-Silesian Region. It is connected to a dense high-quality network of 1st category roads linking the cities of this agglomeration and neighbouring regions, many of these roads being multi-lane roads with central reservation. The City road network is more than a thousand kilometres long.

The already dense road network is further complemented by the D1 motorway traced in the direction from the connection to the existing European motorway network in Brno, via Ostrava which will pass through border crossing Věřňovice - Gorzyczki connecting to the Polish A1 motorway leading from Katowice to Gdansk (Helsinki).

Major roads connecting Ostrava with neighbouring towns, cities and regions

I/11	Ostrava – Havířov – Český Těšín (Žilina)
I/11	Ostrava – Hrabyně – Opava – Hradec Králové
I/47 (II/647)	Ostrava – Přerov – Vyškov
I/56	Ostrava – Hlučín – Opava
I/58	Ostrava – Frýdek-Místek – Beskydy
I/59	Ostrava – Orlová – Karviná

Distances by road from Ostrava to major Czech and European cities

Berlin	540 km	Brno	170 km
Bratislava	300 km	České Budějovice	346 km
London	1 590 km	Hradec Králové	240 km
Moscow	1 700 km	Karlovy Vary	495 km
Paris	1 500 km	Olomouc	93 km
Rome	1 430 km	Plzeň	456 km
Warsaw	390 km	Prague	360 km
Vienna	310 km	Ústí nad Labem	454 km

Transport information about the area, including current information on traffic conditions, road closures and parking in Ostrava is available on the **Single Information System website**: <http://portal.dopravniinfo.cz/> .

9.4 Rail transport

Through its organization Railway Infrastructure Administration, the State is the current owner of the majority of railway tracks in the Czech Republic. The joint stock company Czech Railways is the largest national carrier.

Ostrava is an important railway hub for passenger and freight transport. There are ten railway stations, the most important being Ostrava-Svinov, which has undergone fundamental changes and modernization. In 2007, the reconstruction was received the Grand Prix of Architects award. Located in Přívoz, Ostrava Hlavní nádraží (Ostrava Main Station), the other important station, was opened in 1976. Other stations include Ostrava-střed, Ostrava-Vítkovice, Ostrava-Kunčice, Ostrava-Stodolní, Ostrava-Mariánské Hory, Ostrava-Bartovice, Ostrava-Třebovice and Ostrava-Kunčičky. Ostrava and Prague are also connected with six to seven daily Supercity "Pendolino" trains, which offer great comfort and speed and connect to Czech Airlines flights. The current travel time is about 3 hours. In addition to České dráhy, RegioJet and Leo Express, two competing carriers, operate on the Ostrava – Prague route.

9.5 Air transport

Modern history of the then Ostrava-Mošnov airport starts by commencing construction work in 1956 and civil air traffic in 1959. In 2004, the airport was transferred from the Czech Airports Authority to the ownership of the Moravian-Silesian Region. Since 2006, the airport has been renamed from Ostrava-Mošnov to Leoš Janáček Airport Ostrava.

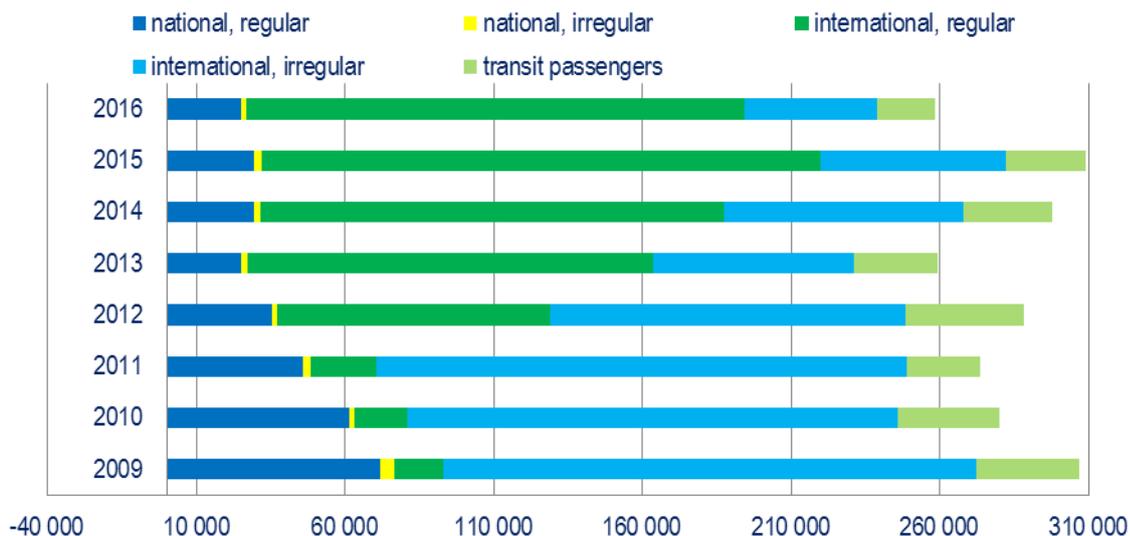
The Leoš Janáček International Airport, situated 25 km from Ostrava city centre, is the largest regional airport in the Czech Republic with regular domestic and international air traffic. With its 3,500m long and 63m wide runway and no noise restrictions, the airport is suitable for both scheduled and charter flights as well as cargo transport.

The airport provides domestic and international flights (including regular services to Prague, London and Dusseldorf, and in the summer season also services to Paris and other tourist destinations), and is fully equipped to handle air freight, including warehouse facilities.

A modern departure terminal was built in 2006. A business and commercial zone and the Free Zone Ostrava can also be found in the close vicinity to the airport. The airport is easily accessible by car or by bus. There are three bus lines running between Ostrava and the airport, and the bus stop is situated right in front of the airport terminal. At the end of 2014, the construction of rail line to Leoš Janáček Airport officially began; it includes a train terminal connected to the airport via a covered walkway.

Number of passengers

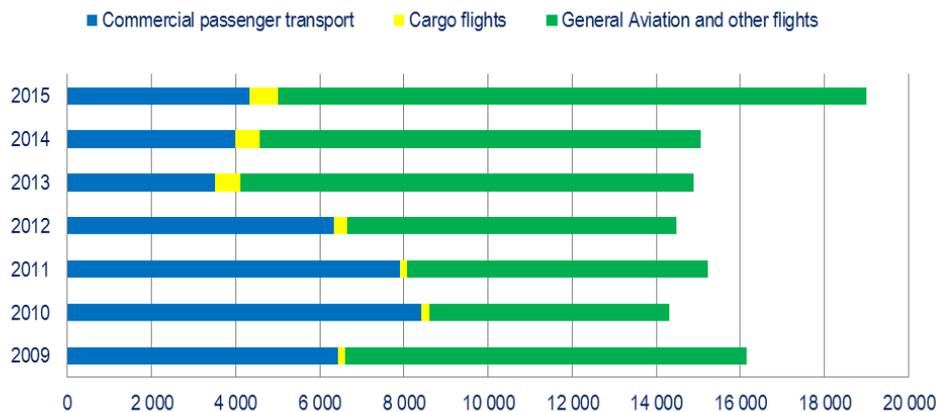
Mode of transportation	2009	2010	2011	2012	2013	2014	2015	2016
national, regular	71 792	61 432	46 007	35 508	25 272	29 411	29 453	25 013
national, irregular	4 967	1 844	2 304	1 778	2 017	2 101	2 614	2 030
international, regular	16 309	17 786	22 091	91 602	136 265	155 924	187 886	167 269
international, irregular	179 005	165 003	178 441	119 391	67 753	80 604	62 248	44 512
transit passengers	35 057	33 908	24 720	40 114	27 860	29 651	26 732	19 399
total	307 130	279 973	273 563	288 393	259 167	297 691	308 933	258 223



Source: Annual report of Letiště Ostrava, a. s.

Volume of air traffic

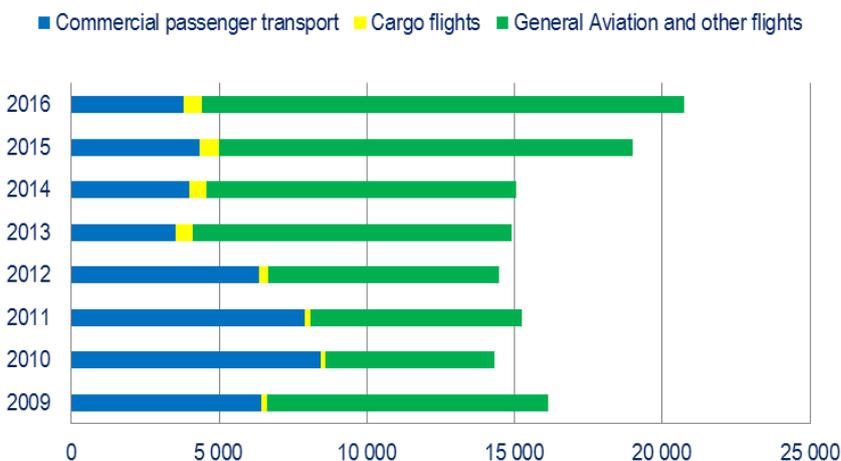
	2009	2010	2011	2012	2013	2014	2015
Commercial passenger transport	6 424	8 418	7 904	6 348	3 514	3 998	4 328
Cargo flights	186	187	167	291	600	583	677
General Aviation and other flights	9 542	5 714	7 172	7 846	10 775	10 488	13 997
Total	16 152	14 319	15 243	14 485	14 889	15 069	19 002



Source: Annual report of Letiště Ostrava, a. s.

Cargo transport (in tonnes)

Mode of transportation	2009	2010	2011	2012	2013	2014	2015	2016
Commercial passenger transport	6 424	8 418	7 904	6 348	3 514	3 998	4 328	3 812
Cargo flights	186	187	167	291	600	583	677	583
General Aviation and other flights	9 542	5 714	7 172	7 846	10 775	10 488	13 997	16 351
Total	16 152	14 319	15 243	14 485	14 889	15 069	19 002	20 746



Source: Annual report of Letiště Ostrava, a. s.

9.6 Bicycle transport

Bicycle transport in Ostrava started to develop after 1989 in connection with the development of trade and services in the region and with the global boom in cycling as a recreational activity.

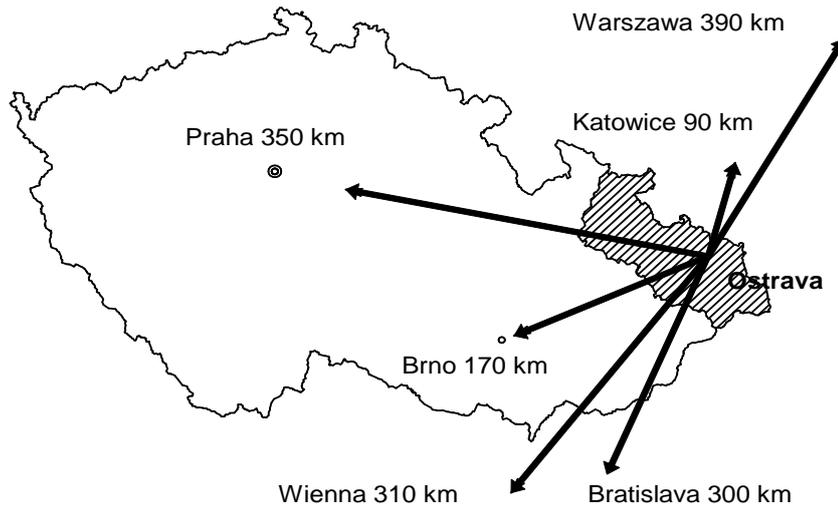
In 2014, one of the largest projects serving the cyclist in the city was completed – the cycle path along the Ostravice river, which allows people to cycle all the way to Ostravice (with the exception the transit through Baška). In the same year, 5,000 copies of a promotional material The Alphabet of Ostrava Cyclists were published. At present, Ostrava is interconnected by 136 km of cycle paths.

9.6.1 Bike routes – overview

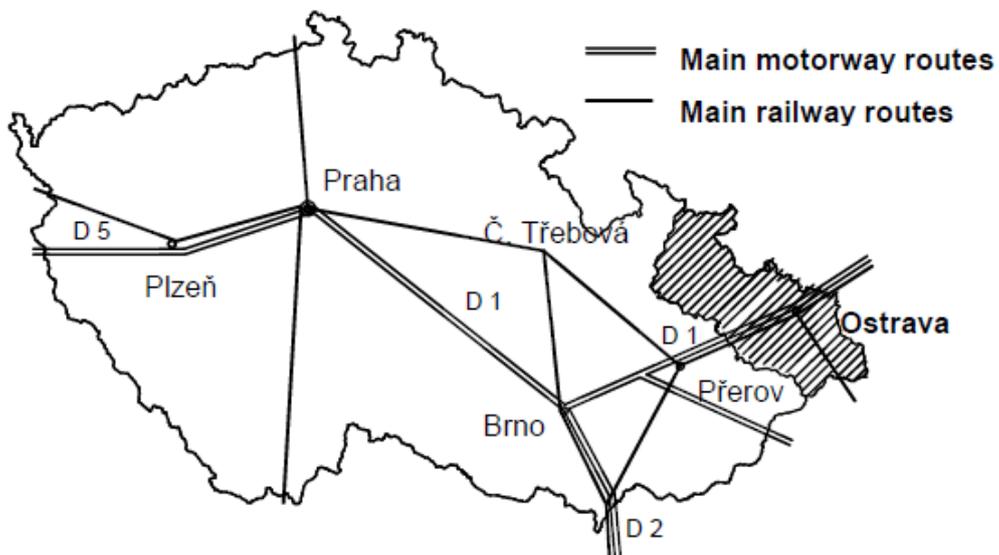
Route	
Route A	Stará Bělá - Výškovice - Zábřeh - Bělský Les - Dubina - Hrabůvka - Hrabová - Kunčice; Jistebník - Polanka nad Odrou; Moravská Ostrava - Slezská Ostrava
Route B	Krmelín - Stará Bělá - Zábřeh - Vítkovice - sídliště Fifejdy; Přívoz - Muglinov
Route C	Hrabová - Hrabůvka - Vítkovice; Mar. Hory, Kaufland - Mar. Hory, radnice
Route D	Poruba-Ves - Poruba - Pustkovec - Martinov
Route E	Centrum - Muglinov - Hrušov; Vratimov - Hrabová
Route F	Centrum - Slezská Ostrava - sídliště Muglinov - Heřmanice; Nová Ves - Hulváky - Mar. Hory
Route G	Třebovice - Hošťálkovice - Lhotka - Petřkovice - Koblov - Antošovice
Route H	Hrabová - Nová Bělá - Stará Bělá - Krmelín
Route CH	Martinov - Poruba - Plesná
Route I	Polanka nad Odrou - Stará Bělá; Bělský Les - Hrabůvka - nádraží Vítkovice
Route J	Slezská Ostrava - Radvanice - Bartovice - Šenov
Route K	Bartovice - Radvanice - Petřvald
Route L	Hošťálkovice - Mar.Hory - Nová Ves; Proskovice
Route M	Centrum - Mariánské Hory; Poruba - Plesná; Poruba - Svinov - Dubí - Nová Ves; Michálkovice - Rychvald
Route N	Zábřeh - Hrabůvka; Shopping Park - Dubí - Svinov
Route O	Přívoz
Route P	Hrabová - Hrabová, statek; Vítkovice - Moravská Ostrava; Lhotka - Bobrovníky; Hrabová, průmyslová zóna
Route Q	Krásné Pole - Poruba; Poruba - Martinov; Petřkovice - Nordpól
Route R	Polanka nad Odrou - Jistebník
Route S	Nová Ves
Route T	Martinov - Poruba - Třebovice
Route U	Dubina - Interspar; Zábřeh, vodárna - Odra; Krmelín - Nová Bělá; Hrabová, průmyslová zóna
Route V	Heřmanice - Michálkovice
Route W	Krásné Pole - Poruba-Ves; Poruba - Svinov; nádraží Vítkovice - Vítkovice
Route X	Poruba - Pustkovec
Route Y	Zábřeh - Bělský les
Route Z	Hošťálkovice; Třebovice - Poruba
Route 5	Jantarová stezka
Route 6064	Vratimov - Bartovice - Šenov - Havířov
Route 6109	Antošovice - Bohumín
Route 6185	Hlučín - Petřkovice
Route 6200	Velká Polom - Plesná - Dobroslavice

9.7 Access to the region

9.7.1 Road access to the region – distances to / from Ostrava



9.7.2 Access to the region – main transport arteries



10 Technical Infrastructure

Water

- 35 to 40% from groundwater sources, 60 to 65% from surface water (Kružberk, Šance, Morávka);
- groundwater is supplied to the residents of Ostrava by Ostravské vodárny a kanalizace a. s. (local water authority); surface water is supplied by Severomoravské vodovody a kanalizace Ostrava a. s. (local water authority);
- the length of the water network is 1,331 km;
- 86% of the population is supplied with drinking water from the public water supply network.

Sewer system

- Two types of systems: combined – rainwater is drained together with sewage wastewater, separate – rainwater is discharged through a separate pipeline separately from sewage wastewater;
- the sewer system is operated by Ostravské vodárny a kanalizace a. s. (local water company);
- the length of the sewer system is 1,057 km;
- 98.7% of waste water from Ostrava is treated at the mechanical and biological central wastewater treatment plant in Ostrava-Přívoz.

Heat

- Centralized heat supply system is operated by Veolia Energy Czech Republic, a. s. and serves more than 85,000 households.

Electricity

- Electricity is supplied by ČEZ a. s. and Veolia Energy Czech Republic, a. s.;
- 35% of the electricity demand is covered from local sources and the remaining 65% from the national grid;
- the power grid is NN 400/230, 50 HZ.

Gas:

- Gas is supplied and distributed by Innogy Česká republika, ČEZ a. s., E.ON, MND and others;

- medium – natural gas; gas is distributed by distribution network of VTL, STL, NTL pipelines including regulating stations.

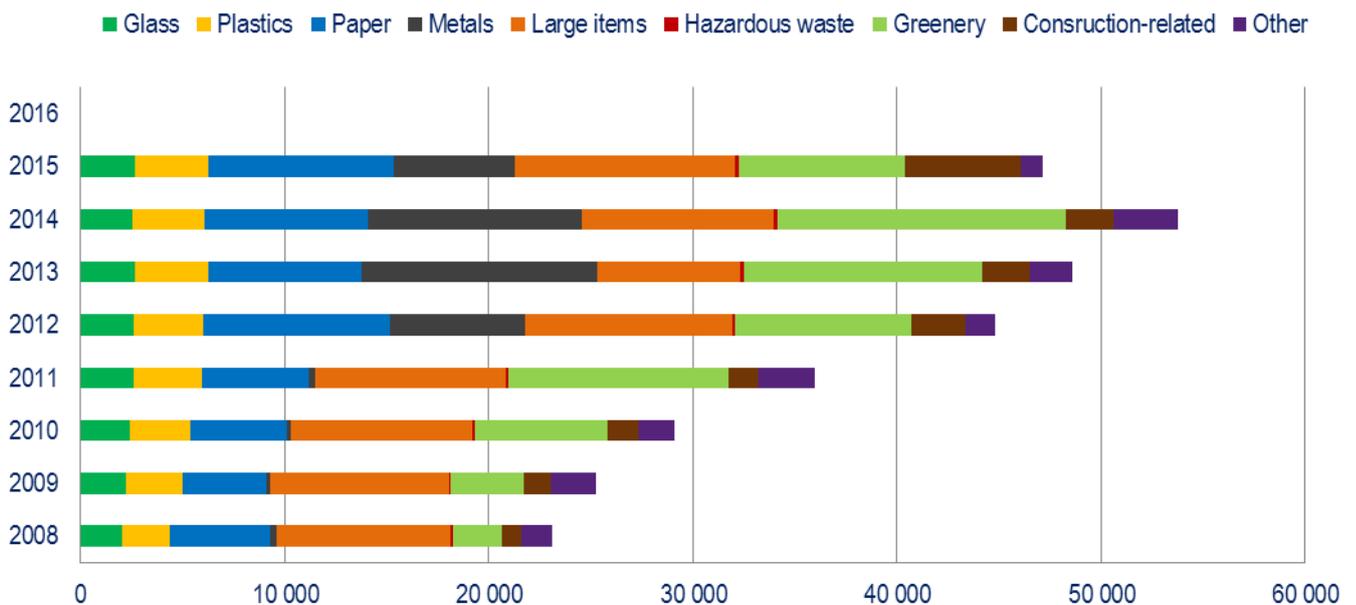
Waste:

- Solid waste is processed by OZO Ostrava, s. r. o. within the integrated system for an area of 400,000 residents. Other waste processors include Van Gansewinkel, a. s. and A.S.A., s. r. o.

Waste production in Ostrava (2008–2016), thousands of tonnes:

Type of waste	2008	2009	2010	2011	2012	2013	2014	2015	2016
Mixed waste	60 977	60 702	58 518	58 164	56 064	53 450	52 847	52 138	53 286
Glass	2 024	2 204	2 410	2 630	2 591	2 688	2 521	2 655	2 715
Plastics	2 353	2 819	2 982	3 334	3 445	3 602	3 569	3 614	3 840
Paper	4 887	4 107	4 714	5 196	9 138	7 482	7 996	9 082	7 957
Metals	330	178	164	317	6 608	11 561	10 489	5 934	4 037
Large items	8 531	8 722	8 905	9 354	10 172	7 000	9 408	10 785	12 498
Hazardous waste	129	120	131	133	135	150	150	164	203
Greenery	2 377	3 556	6 494	10 785	8 639	11 682	14 122	8 163	11 316
Construction-related	936	1 367	1 505	1 474	2 611	2 359	2 387	5 706	5 760
Other	1 517	2 166	1 811	2 767	1 493	2 094	3 159	1 017	1 349
TOTAL	84 061	85 941	87 634	94 154	100 896	102 068	106 648	99 258	102 961

Thanks to eco-friendly behaviour of Ostrava's citizens, the total waste production has fallen, with the amount of landfilled mixed municipal waste also falling for the eighth consecutive year.



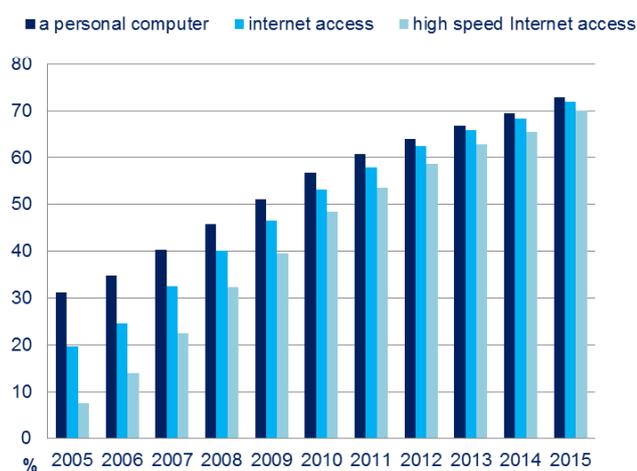
Source: OCA (2017)

Information about IT

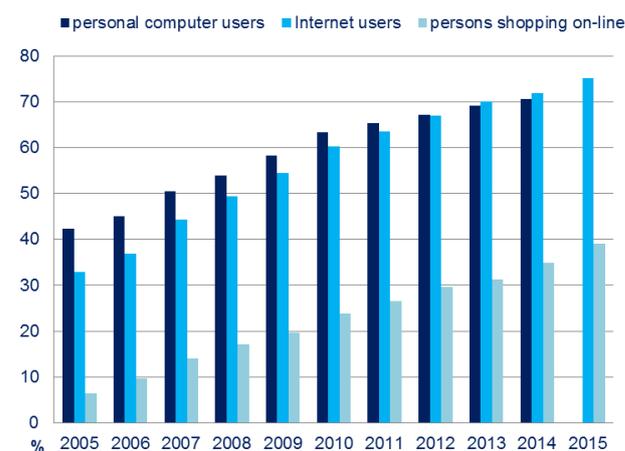
Moravian-Silesian Region	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Percentage of households with											
a personal computer	31,2	34,9	40,3	45,7	51,1	56,7	60,8	63,9	66,9	69,4	72,9
internet access	19,6	24,6	32,6	40,2	46,6	53,1	58,0	62,5	65,9	68,4	72,0
high speed Internet acces	7,6	14,0	22,5	32,4	39,6	48,4	53,6	58,7	62,8	65,5	70,1
Share of individual in the population:											
with a mobile phone	76,1	79,7	84,4	86,3	,	,	,	94,9	95,7	96,3	.
personal computer users	42,4	45,1	50,5	54,0	58,3	63,4	65,3	67,1	69,1	70,6	.
Internet users	32,8	36,8	44,3	49,4	54,4	60,3	63,6	67,0	70,0	71,9	75,1
persons shopping on-line	6,4	9,6	14,1	17,1	19,6	23,9	26,6	29,6	31,2	34,8	39,1
In the field of information technology:											
Experts (thousands of individuals	6,7	9,2	8,9	10,4	10,6	14,5	13,7	11,5	14,9	14,8	12,5
average gross monthly salary of IT experts, total (CZK)	,	,	27 970	29 303	30 552	30 674	,	31 817	32 510	33 513	35 550

Source: CSO (2016)

Percentage of households (2005 – 2015) with:



Percentage of individuals (2005 – 2015), who are:



Source: CSO (2017)

11 Research, development and innovation

The Regional Innovation Strategy (RIS) is the basic document for the support of innovation in the region, which primarily includes activities to promote the use of results of research and development in the business sector, training of existing and new researchers and the promotion of international cooperation in research and development. The priority is to increase the competitiveness of the region by focusing on selected areas where the region has natural competitive advantages.

The Moravian-Silesian Region and its natural centre Ostrava are especially known for their importance in heavy industry – engineering, metallurgy, and mining industry – which still significantly affect the nature of both the region and the City. In turn, most of the research and development capacities are logically associated with large companies in these sectors.

Ostrava has a good infrastructure of research, development and educational institutions, offering sufficient potential for the development of innovative entrepreneurship. According to data from the Technological Profile of the Czech Republic there are approximately 117 entities in Ostrava for cooperation in innovation business. Contacts are available on the following website: <http://www.techprofil.cz>

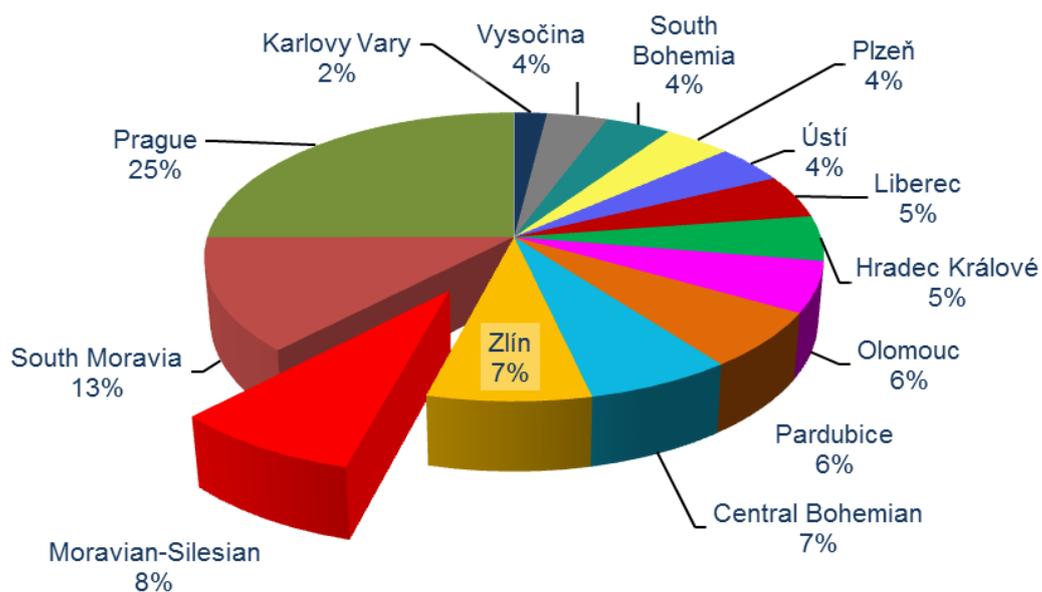
The city is fully dedicated to the development of infrastructure in this sector. That is why the technology centres, such as Science and Technology Park, are being built and developed, either using city's own resources or in cooperation with other entities. The city also supports the development activities of universities.

11.1 Techprofil

Region	Number of entities in innovation business	Innovation companies
South Bohemia	120	106
South Moravia	394	334
Karlovy Vary	60	55
Hradec Králové	156	147
Liberec	149	138
Moravian-Silesian	253	221
Olomouc	175	159
Pardubice	175	159
Plzeň	125	114
Prague	772	511
Central Bohemian	207	170
Ústí	131	118
Vysočina	112	106
Zlín	232	105
total	3084	2474

Source: Techprofil (2017)

Entities cooperating in innovation business in the Czech Republic by region



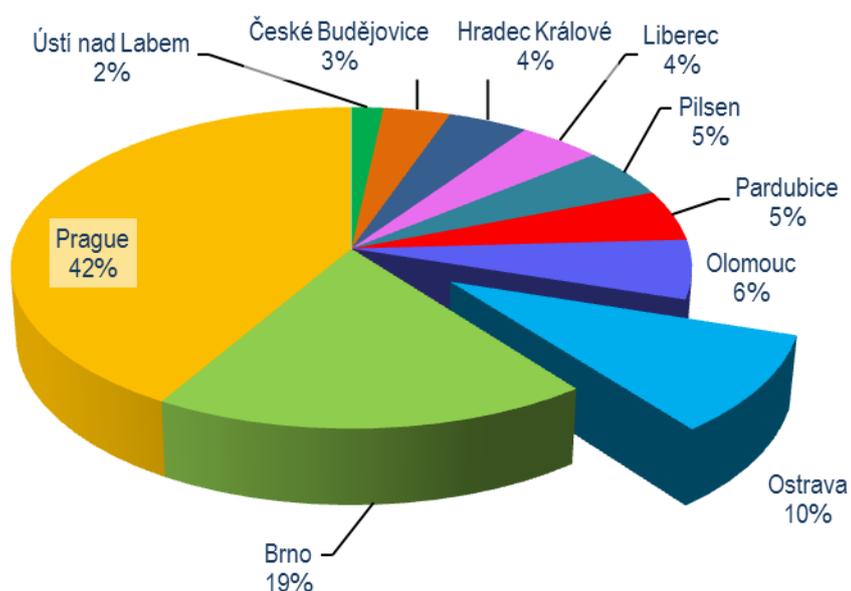
Source: Techprofil (2017)

Entities cooperating by innovation business by district

District	Number of entities in innovation business	Innovation companies
Brno	275	220
České Budějovice	48	39
Hradec Králové	66	62
Liberec	70	61
Olomouc	73	64
Ostrava	117	91
Pardubice	82	73
Pilsen	65	54
Prague	712	484
Ústí nad Labem	21	15
Total	1529	1163

Source: Techprofil (2017)

Entities cooperating in innovation business in the Czech Republic by district



Source: Techprofil (2017)

11.2 Research and Development

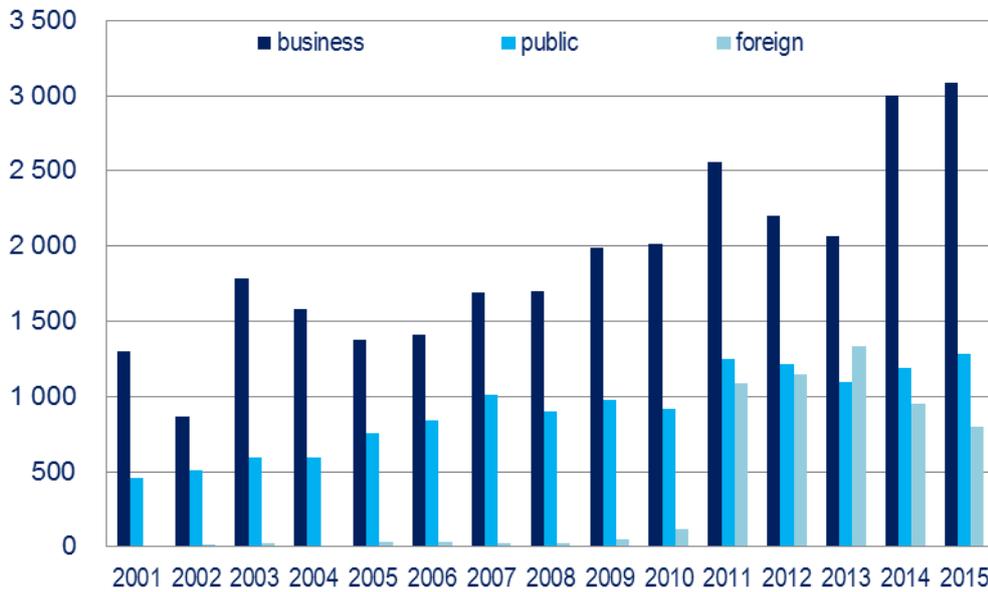
Detailed evaluations and studies are being prepared by the Government Office for Science, Research and Innovation. In the period 2014–2020, the following programmes designed for the development of science and research at European level are funded from European Union structural funds: Horizon 2020, the Operational Programme Enterprise and Innovation for Competitiveness (OPEI) and the Operational Programme Research, Development and Education (OP RDE). Horizon 2020 is designed as a framework for research and innovation which fully integrates activities previously addressed in the 7th Framework Programme for research, technological development and demonstration activities, in the Competitiveness and Innovation Framework Programme 2007–2013, in the European Institute of Innovation and Technology, etc.

R&D in Moravian-Silesian Region (2001 – 2015)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Number of research and development sites	123	134	156	160	176	180	187	192	202	228	257	266	253	264	268
Number of R&D employees (individuals)	3 687	3 345	3 667	3 831	3 886	4 463	5 319	5 391	5 370	5 670	6 268	6 590	6 303	7 273	7 335
Number of R&D employees (equivalent)	1 646	1 488	1 684	1 714	2 376	2 550	2 743	2 927	3 202	3 412	3 925	4 754	3 708	4 261	4 267
Researchers (equivalent)	855	855	918	945	1 277	1 404	1 531	1 634	1 839	1 811	2 048	2 621	1 947	2 135	2 444
Of which by R&D sectors															
business	437	370	475	497	486	537	569	624	687	716	914	1 032	1 005	1 096	1 335
government	57	70	75	111	82	87	90	94	79	83	51	49	56	66	71
university	355	403	359	337	707	778	871	917	1 073	1 012	1 077	1 524	881	957	1 031
R&D expenditures (CZK million)	1 761,1	1 409,8	2 416,1	2 212,5	2 181,9	2 321,3	2 751,5	2 657,8	3 045,2	3 099,7	4 924,5	4 584,5	4 500,0	5 154,9	5 194,4
Of which by R&D funding source															
business	1 298,7	865,3	1 788,8	1 580,2	1 375,6	1 412,0	1 694,8	1 702,7	1 986,2	2 019,0	2 562,0	2 200,5	2 061,9	3 000,4	3 088,7
public	456,2	510,6	592,2	597,7	756,4	838,4	1 014,8	903,1	977,4	921,4	1 253,0	1 218,0	1 096,3	1 189,1	1 284,1
foreign	4,4	18,1	21,8	10,2	37,2	29,7	29,3	22,2	47,2	119,2	1 091,3	1 150,6	1 333,1	951,2	800,5
Non-investment R&D expenditures (CZK)	1 581,5	1 249,7	1 909,4	2 063,5	2 023,9	2 123,4	2 450,0	2 476,5	2 901,7	2 846,5	3 610,4	3 335,2	3 354,5	4 200,3	3 970,9
Patents granted in the Czech Republic to applicants from the Czech	17	19	20	25	28	24	19	16	19	14	24	34	30	52	54

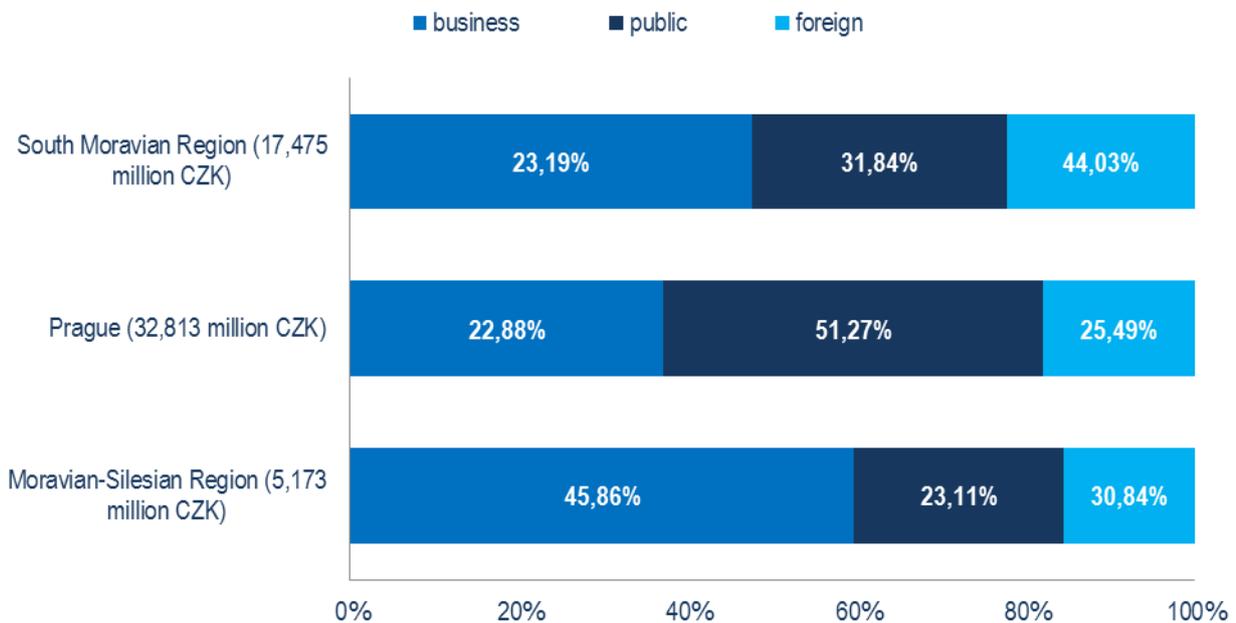
Source: CSO (2017)

R&D expenditures in Moravian-Silesian Region by funding sources (2001 – 2015, CZK million)



Source: CSO (2017)

Share of R&D expenditure by funding sources (2014, CZK million)



Source: CSO (2017)

11.2.1 Moravian-Silesian Innovation Centre

In December 2016, the Governor of the Moravian-Silesian Region and the Mayor of the City of Ostrava signed a memorandum on cooperation related to support and innovation, where they expressed a common interest in coordinating the innovation environment in the Moravian-Silesian Region. The strategy is based on the establishment of the Moravian-Silesian Innovation Centre (MSIC). The Moravian-Silesian Innovation Centre was established on 1 July 2017 by transforming the Ostrava Science and Technology Park, founded by the City of Ostrava in 1997. With the capital investment of the Moravian-Silesian Region, the shareholders include the City of Ostrava, the Agency for Regional Development, VŠB–Technical University of Ostrava, the Ostrava University and the Silesian University in Opava.

The aim of MSIC is to provide start-up entrepreneurs and companies in the region with effective support and bring more growing and export-oriented companies to the region, invest in innovation, industrial research and development, and ensure a more intimate link between the business environment and the academic sector.

MSIC offers support to entrepreneurs in multifunctional buildings located on its compound, which provide technical and office facilities with leasable areas of about 10,700 m²; the compound is also home to commercial premises of Ingeteam a.s., ELCOM, a.s. and VAE Prosys s.r.o. As of 31 December 2016, 758 jobs had been created since the establishment of the VTPO.

www.vtpo.cz; www.ms-ic.cz

11.2.2 IT4INNOVATIONS

The IT4Innovations National Supercomputing Centre (IT4Innovations) is part of the VŠB – Technical University of Ostrava (VŠB-TU Ostrava). The Centre was created mainly thanks to support from the European funds, namely from the Operational Programme Research and Development for Innovation (OP RDI). The amount of the subsidy was approximately CZK 1.8 billion. The IT4Innovations Excellence Centre project was jointly implemented in 2011–2015 by five partners: VŠB - Technical University of Ostrava, University of Ostrava, Silesian University in Opava, Brno University of Technology and the Institute of Geonics AS CR.

Anselm, the first supercomputer, was installed in May 2013. Another supercomputer, Salomon, was commissioned in July 2015 and was the 55th most powerful supercomputer in the world. Both supercomputers have been located in a new building in the Science and Technology Park since the summer of 2015, creating a universal research laboratory for modelling and simulation of problem solving in various scientific disciplines.

In addition to operating supercomputers, IT4Innovations is the provider of excellent IT research, specifically in the field of High Performance Computing. IT4Innovations is a research centre with strong international links. Since its foundation in 2011, IT4Innovations has been a member of the prestigious PRACE (Partnership for Advanced Computing in Europe) research infrastructure, where it represents the Czech Republic. In 2016, it also became involved in the European Technology Platform for High-Performance Computing, which focuses on defining research priorities in high performance computing in Europe.

www.it4i.cz

11.2.3 BIC Ostrava, s. r. o.

Established in 1993, Business Innovation Centre's mission is to support, help and advice in various areas of activity in the market. It offers comprehensive services to new and growing businesses. In addition to consulting and training, it provides services in its own research centre for industrial applications focused on hydraulics, pneumatics and mechatronics.

www.bicova.cz

11.2.4 Business Incubator VŠB-TU Ostrava

The business incubator was established in 2008 on the VŠB–Technical University of Ostrava. In addition to modern facilities, the incubator offers a range of services to help those starting their business as well as experienced entrepreneurs to achieve success and prosperity.

www.cpi.vsb.cz

11.2.5 Nanotechnology Centre

The Nanotechnology Centre was established on 1 February 2007. It is a research institute at the VŠB-Technical University of Ostrava – the first such institute in the Czech Republic to have the word ‘nanotechnology’ in its title – and it grew out of the former Materials Chemistry Institute. The Centre researches, prepares and analyzes nanomaterials (materials smaller than 10^{-9} m). Internationally renowned experts are involved in a wide range of research activities involving nanocomposites, nanomaterials with photofunctional and antibacterial properties, friction composites and sorption materials. Other work at the Centre includes the study of toxicity and the influence of nanoparticles on the environment and living organisms.

www.cnt.vsb.cz

11.2.6 Business incubator of University of Entrepreneurship and Law

Founded in 2011, the incubator aims to develop and promote entrepreneurship in the general public, primarily in students and graduates of the Business School Ostrava, by means of facilities, support and common services (counselling, lease of conference rooms)

<http://pi.vsp.cz/>

11.2.7 ENET centre

The ENET centre was created in 2010 with a subsidy of CZK 316.6 million granted to the VŠB–Technical University of Ostrava by the Ministry of Education and Youth. The ENET centre focuses on research and development in the field of transformation of input raw materials, especially from waste and alternative fuels, into usable forms of energy and their subsequent efficient use.

<http://cenet.vsb.cz/cz/>

11.2.8 4MEDi

Centre for Cell Therapy and Diagnostics (Centrum buněčné terapie a diagnostiky a. s.) is an innovative European centre designed for clinical development and production of medicines and products of world's top quality regenerative medicine and modern therapy. Unique science and technology park designed with a total area of 6,500 m² represents a globally unique and highly competitive infrastructure using the top modern technologies for testing, diagnostics, clinical research and development of new cell medicines, the Advanced Therapy Medicinal Products (ATMPs). Demand for ATMPs which use human cells for treatment, is increasing worldwide. Thanks to its capacity, the 4MEDi centre will allow far greater capacity for the development and production of cellular products to help needy patients in the Czech Republic and in Europe.

www.4medi.cz/index.php

11.3 Clusters

The key industrial sectors in Ostrava and the Moravian-Silesian Region are organized within clusters, providing the Region with a clear profile and simplifying the relationship between

potential investors and suppliers. In terms of clusters, the Moravian-Silesian Region is a leader in the Czech Republic.

Overview of clusters in Ostrava

Security and Technology Cluster

www.btklastr.cz

ENVICRACK cooperative

Renewable Energy Sources Cluster

www.envicrack.cz

Moravian-Silesian Automobile Cluster

www.autoklastr.cz

National Energy Cluster

www.msek.cz

Moravian Forestry Cluster

www.lesnickyklastr.cz

Social innovations and Enterprises Cluster

SINEC, z.s.

www.klastr-socialnich-podniku.cz

Additive Production Cluster

www.aditivni-vyroba.cz

Czech Beekeeping Cluster

IT Cluster, z. s.

www.itcluster.cz

KLACR, o. s.

www.klacr.cz

National Woodworking Cluster

www.msdk.cz

National Mechanical Engineering Cluster

www.nskova.cz

Czech Telecommunications Cluster

www.projekt-mvno.cz

12 Quality of life

12.1 Environment

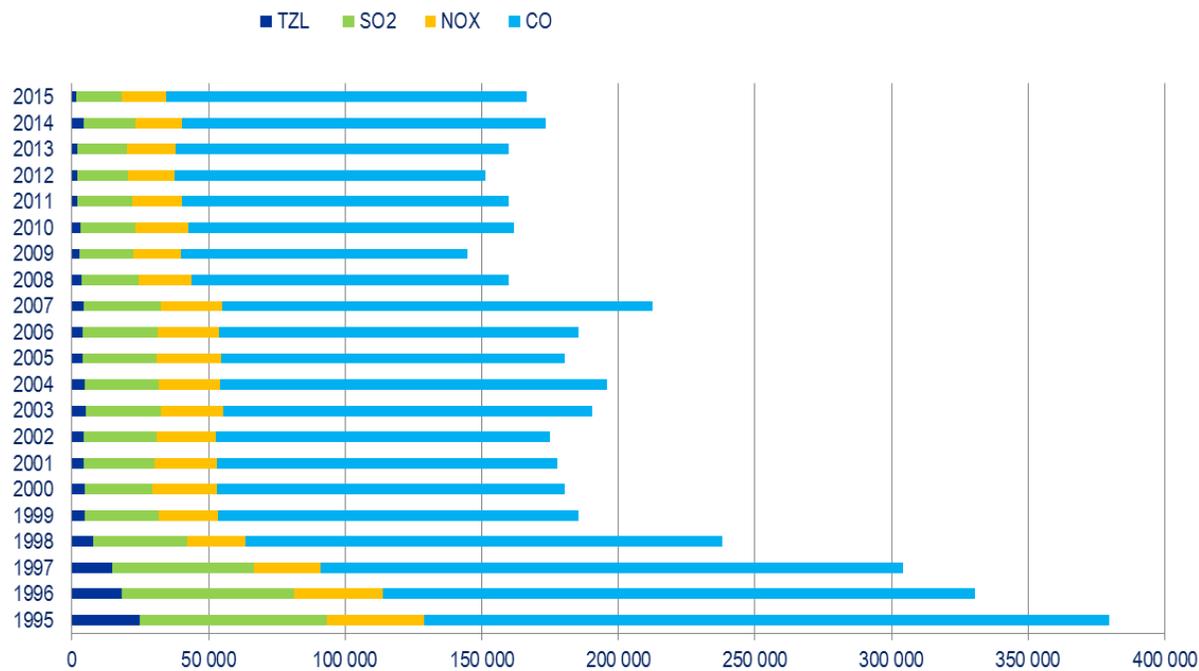
The city of Ostrava lies at the heart of a major industrial conurbation which since 1990 has undergone major process of restructuring including a reduction of heavy industry. This has brought marked improvements in the local environment. In the early 1990s there was a dramatic fall in air pollution and industrial emissions, followed by a more gradual fall. However, since 2001 air pollution levels have once again begun to rise, especially levels of solid pollutants (airborne dust). Ostrava is a typical densely populated urban centre with a high concentration of road traffic and extensive heavy industry. Due to the large number of emissions sources concentrated within a relatively small area, the city is officially classified as an area with poorer than average air quality. This improvement is mainly due to the decline in industrial production, restrictions on coal mining and also the introduction of environmentally friendly modern technologies. When comparing the total air pollution in recent years, it is clear that the situation has significantly improved. This improvement is mainly due to the decline in industrial production, restrictions on coal mining and also the introduction of environmentally friendly modern technologies.

Where possible, the City of Ostrava contributes to the improvement of the environment. Given the higher deposition of dust, it sprinkles road more often than it is obliged to. The City maintains and expands urban and insulation greenery and creates a green ring around the City. Thanks to these projects Ostrava is one of the greenest cities in the Czech Republic. The City also communicates with the largest industrial polluters and tries to get them to make heavy environmental investments.

For current information on air quality in Ostrava, its activities in this area and other news please visit <https://dycham.ostrava.cz/>.

12.1.1 Major pollutant emissions (REZZO 1) in tonnes/year – Moravian-Silesian Region

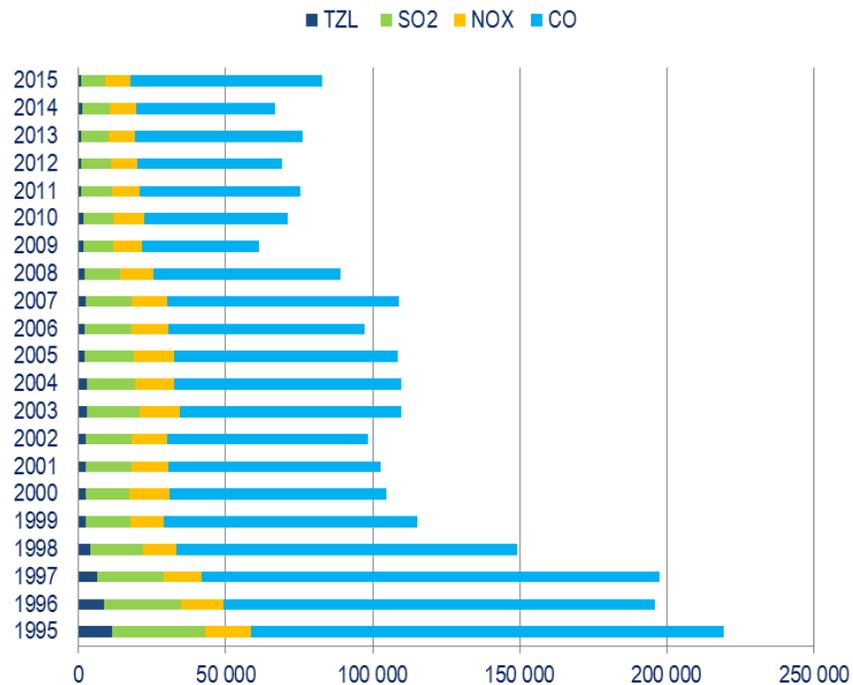
Rok/Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
TZL	24 737	18 343	14 682	7 934	4 566	4 488	4 246	4 196	4 986	4 804	3 862	3 844	4 317	3 350	2 594	2 947	2 127	1 858	2 114	4 414	1 619
SO ₂	68 432	63 067	52 028	34 210	27 019	25 078	26 096	26 737	27 443	26 777	27 313	27 428	28 301	21 033	19 726	20 190	20 123	18 697	18 089	18 749	16 564
NO _x	35 900	32 492	24 249	21 462	21 662	23 326	22 740	21 881	22 847	22 636	23 586	22 358	22 555	19 419	17 574	19 591	18 112	16 838	17 646	17 296	16 443
CO	250 734	216 760	213 400	174 365	132 210	127 372	124 744	122 270	135 088	141 640	125 761	131 659	157 153	116 226	104 901	118 980	119 397	114 115	122 101	132 847	131 752



Source: CHMI (2017)

12.1.2 Major pollutant emissions (REZZO 1) in tonnes/year – Ostrava

Rok/Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
TZL	11 351	8 594	6 421	3 919	2 428	2 636	2 586	2 564	2 998	2 660	2 141	2 168	2 542	2 035	1 478	1 629	1 062	929	1 040	1 147	843
SO ₂	31 831	26 366	22 612	18 119	15 146	14 754	15 287	15 531	17 641	16 528	16 533	16 030	15 648	11 938	10 393	10 193	10 476	10 130	9 031	9 674	8 265
NO _x	15 334	14 239	12 786	11 091	11 500	13 448	12 643	12 054	13 792	13 454	13 939	12 283	12 133	11 561	9 594	10 434	9 294	9 124	9 253	8 879	8 595
CO	160 771	146 550	155 650	116 148	86 263	73 729	72 066	68 321	75 241	76 933	76 006	66 876	78 713	63 397	39 863	48 839	54 362	49 099	56 715	46 908	64 920



Source: CHMI (2017)

Selected pollution indicators in watercourses

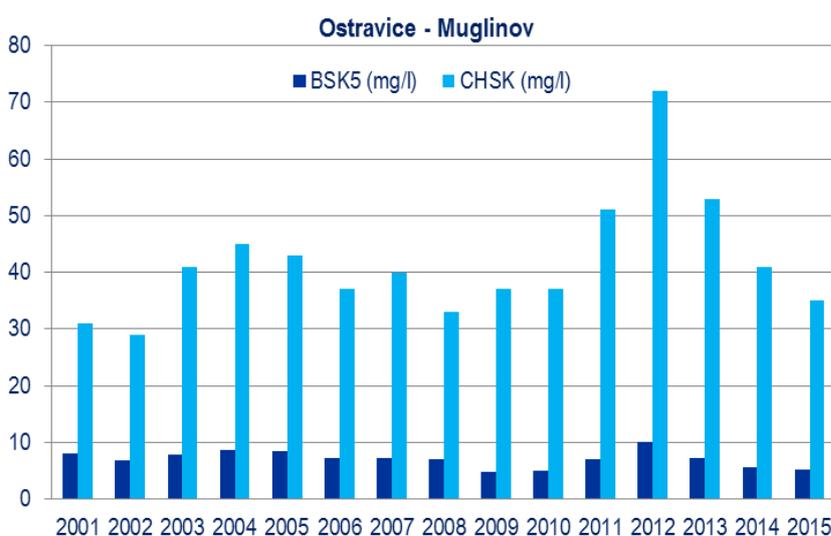
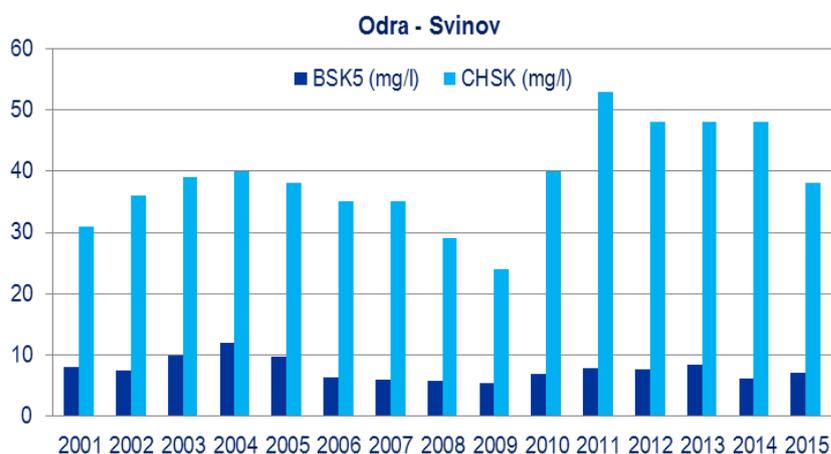
Watercourse	2001		2002		2003		2004		2005		2006	
	BOD (mg/l)	COD (mg/l)										
Odra - Svinov	8	31	7,4	36	10	39	12	40	9,7	38	6,4	35
Ostravice - Muglinov	8,1	31	6,9	29	7,9	41	8,6	45	8,4	43	7,3	37
Watercourse	2007		2008		2009		2010		2011		2012	
	BOD (mg/l)	COD (mg/l)										
Odra - Svinov	6	35	5,8	29	5,4	24	6,9	40	7,9	53	7,7	48
Ostravice - Muglinov	7,3	40	7	33	4,8	37	5	37	7	51	10	72
Watercourse	2013		2014		2015							
	BOD (mg/l)	COD (mg/l)	BOD (mg/l)	COD (mg/l)	BOD (mg/l)	COD (mg/l)						
Odra - Svinov	8,5	48	6,1	48	7,1	38						
Ostravice - Muglinov	7,3	53	5,5	41	5,2	35						

Source: Environmental Protection Division, Ostrava City Authority

BOD: biochemical oxygen demand

COD: chemical oxygen demand

Water pollution in given flow profiles – selected indicators



Source: Environmental Protection Division, Ostrava City Authority, 2017

12.2 Health care and social services

The quality of life of Ostrava's citizens is significantly affected by the availability of medical and social care. The City of Ostrava offers both outpatient and inpatient health care and in many cases high-quality specialized health care. The City also provides its citizens with the help and support of the Department of Health and Social Affairs of the City Authority and of the contributory organizations specialising in social and health care. When providing social and health services, the City works with individual city districts and also with non-governmental organizations and individuals.

12.2.1 Health care

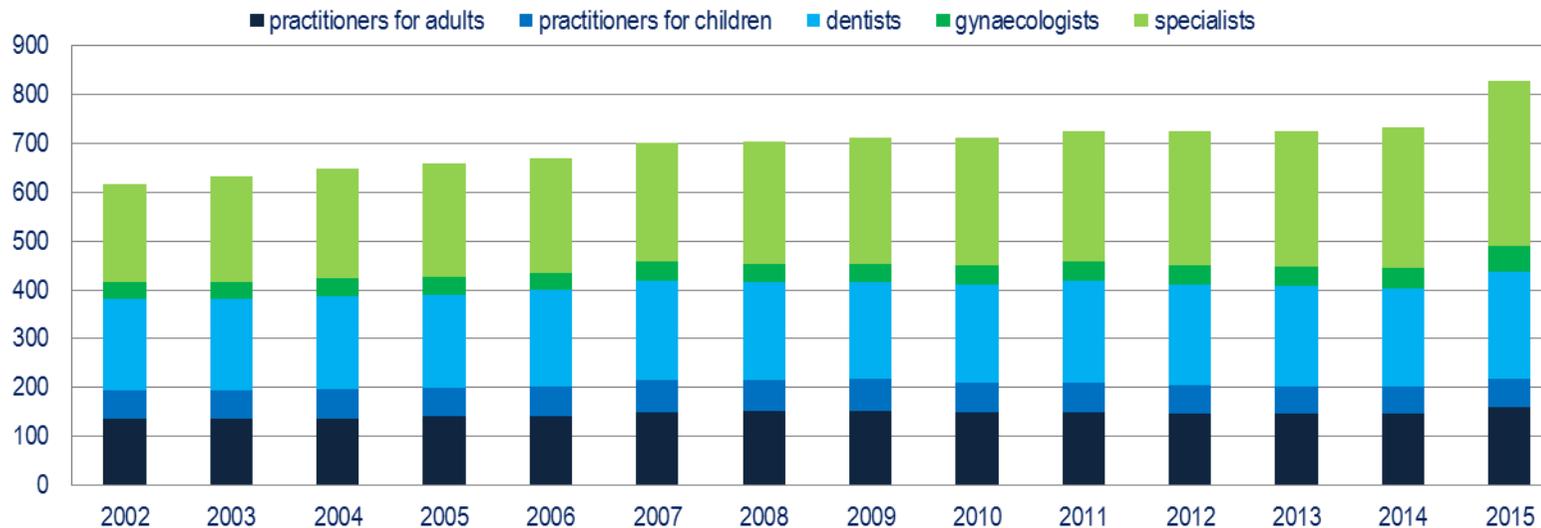
	MS Region	Ostrava
Hospitals	18	3
Specialized medical centres	25	5
Other independent healthcare facilities	514	161
Pharmaceutical care facilities	311	99
Doctors, total	5189	1978
Doctors per 1,000	4,3	6,1

Source: Institute of Health Information and Statistics of the Czech Republic, July 2017

As shown in the table above, Ostrava has three hospitals, namely: University Hospital Ostrava, Ostrava City Hospital and Vítkovice Hospital, a. s.

Selected data on health care in Ostrava (2002 – 2015)

Ostrava	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Hospitals	4	4	4	3	3	3	3	3	3	3	3	3	3	3
doctor, total	1 539	1 563	1 610	1 604	1 624	1 746	1 786	1 779	1 856	1 872	1 897	1899	1913	1978
of which:														
practitioners for adults	135	135	136	140	142	150	153	152	148	149	146	147	147	159
practitioners for children	59	59	60	59	60	64	63	65	63	62	59	56	54	58
dentists	187	188	191	191	197	205	201	200	201	208	205	205	203	221
gynaecologists	34	35	36	36	36	39	37	37	39	39	41	41	41	51
specialists	202	216	226	233	236	243	251	257	260	268	273	277	289	340



Source: Institute of Health Information and Statistics of the Czech Republic, 2017

12.2.2 Social services

Social services are provided to individual citizens or their families if they find themselves in an unfavourable social situation and need help in overcoming it. Social services may be provided to citizens in their home environment as “field” services, in outpatient centres, or in inpatient social care facilities. The founder is the city of Ostrava, city districts, NGOs and individuals.

All forms of social services (field, outpatient and inpatient) are provided in Ostrava. Providers also offer combinations of these services. Individual forms of social services are represented relatively well in Ostrava.

There are 72 organizations in the city that provide 176 different social services. In parallel with the social services, 198 related activities are provided.

These services were used by almost 28,000 citizens in 2016. Social service providers employ more than 3,800 employees, making them one of the major employers in the city.

Social services provided in accordance with Act. No. 108/2006

Services provided

- **Social counselling (22)**

- **Social services:**

- personal assistance (4)
- nursing services (10)
- emergency care (1)
- guide and reader services (1)
- independent housing support (5)
- relief services (7)
- day centres (5)
- day centres for handicapped people (4)
- week centres for handicapped people (1)
- homes for disabled citizens (4)
- homes for senior citizens (13)
- special regime homes (11)
- sheltered housing (6)
- social services provided at health care facilities (1)

- **Social prevention services:**

- telephone crisis assistance (1)
- early care (4)
- interpreting services (2)
- refuges (12)
- halfway houses (1)
- contact centres (1)
- crisis support (2)
- intervention centres (1)
- low-threshold centres for children and young people (8)
- low-threshold day centres (2)
- night shelters (3)
- follow-up care services (4)
- social activation services for families with children (12)
- social activation services for senior citizens and disabled citizens (7)
- social therapeutic workshops (4)
- therapeutic communities (1)
- on-site services (8)
- social rehabilitation (8)

The number in brackets indicates the number of individual social services provided in Ostrava.

The most common types of social service facilities in Ostrava are social counselling centres (12.5 %), followed by retirement homes (7.4 %), shelters and social activation services for families with children (6.8 %), and assisted living homes (6.8 %) and nursing services (5.7 %).

Residential social services

The City of Ostrava established 9 contributory organizations providing social services and 1 medical facility providing residential social services in the Municipal Hospital Ostrava, a contributory organization. The structure of social and health facilities operated by contributory organizations is as follows:

- **Centre for Persons with Disabilities:** 1 (consisting of 10 facilities), capacity: 277
- **Retirement homes:** 7, capacity: 1,267
- **Assisted living homes:** 6, capacity: 346
- **Nursing homes:** 37, number of housing units: 977
- **Respite care within nursing homes**
(emergency beds): 3, capacity: 38
- **Social services home within
the City Hospital Ostrava:** 1, capacity: 66

On-site social services

The aim of on-site services is to provide services to clients in their own social environment. This enables clients to integrate as fully as possible into the normal life of society; in cases where the clients' condition makes this impossible, on-site services enable clients to live with dignity.

An example of this type is nursing services provided to citizens in their own homes, including apartments in nursing homes or other facilities. In 2016, nursing care services were provided to 2,314 people.

For citizens on old age pensions or invalidity benefits and requiring nursing care services, the municipal districts offer nursing care homes. There are currently 977 apartments in nursing homes in the City of Ostrava.

Non-government non-profit organizations (NGOs) and the future development of social services

Over 100 NGOs are active on the city's territory. In terms of residential services for senior citizens, NGOs play a supplementary role to core services provided by contributory organizations. However, NGOs are the sole providers of many other services – especially home-based services and day services. NGO activities in social services are supported from the City of Ostrava's

budget. In 2009 NGOs received a total of CZK 62.2 million; in 2010, CZK 60.9 million; in 2011, CZK 65 million. 70,1 million CZK in 2012 and 71, 6 million CZK in 2013; in 2014 73.9 million CZK; in 2015 78.9 million CZK, in 2016 77.6 million CZK. The Catalogue of Social Services and Related Activities is a user-friendly guide to social services in Ostrava. It is regularly updated and the electronic version is available at www.ostrava.cz and www.kpostrava.cz.

12.3 Housing and non-residential premises

12.3.1 Housing

The housing stock of the City of Ostrava was entrusted into administration of the individual City Districts. As of 31 December 2016 the City Districts administered a housing stock of 12,871 apartments in 1,037 residential buildings. The trend of the sale of municipal apartments, which started in 1991 when the city of Ostrava owned almost 46,000 apartments, was halted, and in 2016 the total number of apartments owned by the city was reduced by only 26.

The largest housing stocks are administered by the City Districts of Ostrava-Jih (5,259 apartments), Mariánské Hory (1,970 apartments), Moravská Ostrava a Přívoz (1,580 apartments), Slezská Ostrava (1,275 apartments) and Ostrava-Poruba (838 apartments).

Types of municipal apartments

Municipal apartments as of 31. 12. 2015	Number	%
	12 897	100%
of which:		
standard apartments	12 451	96,54%
reduced-quality apartments	446	3,46%
apartments in nursing home	1 124	8,71%
wheelchair-friendly apartments	105	0,81%

Source: OCA (2017)

Social housing

There is no universal legal definition of this term. Ostrava maintains certain apartments and apartment blocks which are rented out to citizens on low incomes. These were mostly small apartments and low-quality apartments outside the centres of city districts. In addition to social housing in municipal apartments provided by municipal districts, different types of social housing

are provided primarily by non-profit organizations supported by the city of Ostrava or the company RESIDOMO.

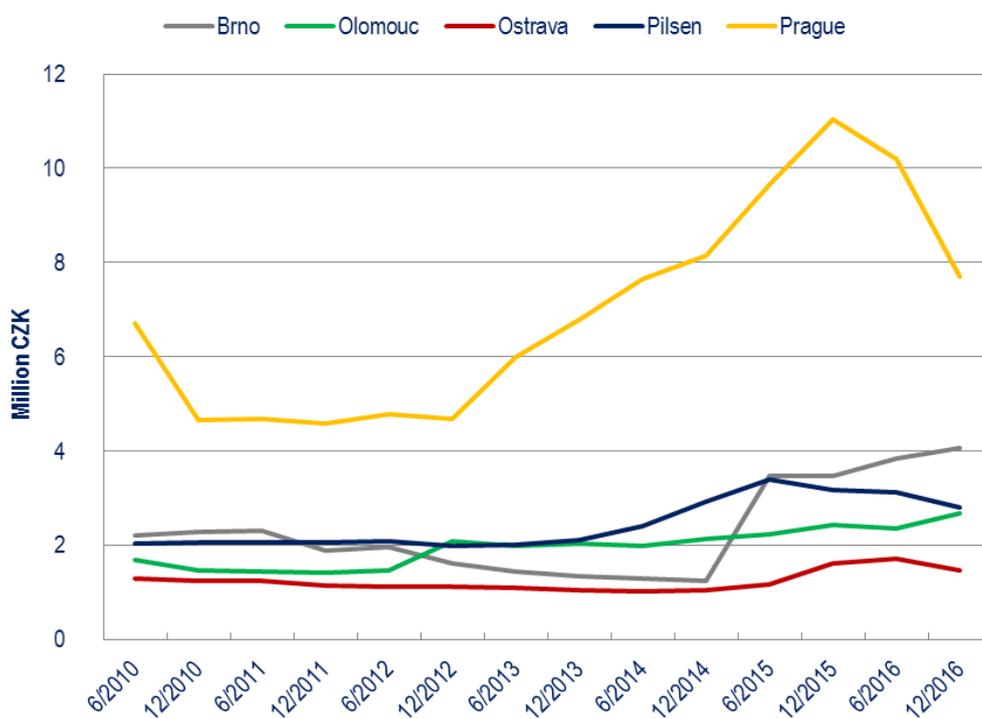
These are not standard apartments; they are facilities providing accommodation specially targeted at citizens who are in serious difficulties due to age, poor health, social situation or personal crisis. Social housing and rehabilitation programs are provided by non-profit organizations mostly with the support of the city.

These facilities include:

- Nursing homes and senior citizens' homes
- The Halfway House, shelters, homes for mothers and children
- Community centres
- The 'Village of Coexistence'

House prices

The prices of houses and apartments depend on a wide variety of factors. In comparison with other locations in the Moravian-Silesian Region and the Czech Republic as a whole, house prices in Ostrava are relatively low.



Source: www.realitycechy.cz (2017)

Prices – rent/ sale of family houses and apartments:

Type of property	Rent (CZK/month)	Sale (CZK millions)
House:		
- 5 and more rooms	8 000 - 30 000	2 - 5
- 4 and more rooms	7 000 - 18 000	1,2-3,5
Apartment:		
- 80 - 120 m ²	4 500 - 16 000	1 - 3
- 60 - 80 m ²	3 000 - 12 000	0,8 - 2,2

Source: OCA (2017)

- the rent for a standard apartment ranges from CZK 70 to 160 per m²
- standard rent for a municipal apartment ranges from CZK 430 to 120 CZK per m²
- rent in reduced quality municipal apartments ranges from CZK 25 to 50 per m²

Housing construction of the City of Ostrava after 1995

From 1995 to 2016, funds from the City, city districts, State budget and now also EU grants were contributed to build a total of 3,257 apartments with a total cost of CZK 2.8 billion. In 2016, Ostrava invested CZK 82.4 million in new construction of residential buildings and renovations of residential units, renovating a total of 275 apartments.

Cost of construction of new and renovated apartments (1995 – 2016)

Ostrava new and reconstructed apartments	number of apartments	total budget costs (CZK thousands)	funding source (CZK thousands)			
			City	municipal district	other	state and EU
reconstructed apartments	2 219	1 407 192	547 810	566 912	20 320	272 150
new apartments	805	920 578	404 678	74 938	177 922	263 040
new apartments in senior citizens homes	233	476 120	290 124	69 537	0	116 459
total 1995-2016	3 257	2 803 890	124 612	711 387	198 242	651 649

Source: OCA (2017)

Construction costs for new and renovated housing in 2016

Ostrava new and reconstructed apartments	number of apartments	total budget costs (CZK thousands)	funding source (CZK thousands)			
			City	municipal district	other	state and EU
reconstructed apartments	275	823 290	28 406	53 984	0	0
new apartments	0	0	0	0	0	0
new apartments in senior citizens homes	0	0	0	0	0	0
total 2016	275	82 390	29 406	53 984	0	0

Source: OCA (2017)

Under the grant programme "Housing Estates Regeneration" (according to the Government Decree No. 494/2000 Sb.) regeneration of outdoor spaces around concrete panel buildings, which enhance the quality of housing and address the long-standing problems of these localities has been underway. These problems have lately included especially lack of parking space, poor condition of roads and lack of greenery or recreational areas.

In 2016, the municipal district of Moravská Ostrava a Přívoz continued the renovation of the Šalamoun housing estate (Stage 5A), with the investment costs of CZK 10.8 million and the renovation of the Fifejdy II housing estate (Stage 6) with the investment costs of CZK 11.6 million. . Both renovations were supported by a grant of CZK 8 million provided by the Ministry of Regional Development. . The city district of Mariánské Hory a Hulváky continued the renovation of the Vršovců housing estate (Stage 3), with the investment costs of CZK 5.8 million, without support from the Ministry of Regional Development.

12.4 Culture

Ostrava attracts visitors for a variety of reasons, including a number of cultural events taking place throughout the year. Ostrava is also home to many cultural institutions, most of which have extra-regional reach. Among them are the **Moravian-Silesian National Theatre** with four artistic ensembles – opera, drama, ballet and operetta/musical, which perform on two permanent scenes – Antonín Dvořák Theatre and Jiří Myron Theatre. The **Puppet Theatre** brings a varied repertoire of productions, satisfying the demands of a wide range of theatregoers – from the smallest children to their parents. The Puppet Theatre also holds Spectaculo Interesse, an international puppet festival held every odd year, and Theatre Days without Barriers, a festival held every even year. The dramaturgy of the **Petr Bezruč Theatre** focuses especially on younger audiences and those who seek non-traditional adaptations and contemporary themes. The Arena Chamber Theatre is one of the smallest theatre scenes. In addition to its own productions, the

theatre offers music programmes, discussion evenings and educational programmes for children and youth. In early 2017, two more theatres opened – **the Odvaz Theatre** focusing on improvisation shows and **the Mír Theatre**, which does not have its own acting ensemble, and cooperates with various theatres, both from Ostrava and from abroad. The **White Theatre** is an independent artistic group composed solely of amateurs which specialises in paratheatrical experiments. In July and August, the Silesian Ostrava Castle hosts **Shakespeare Festival**, featuring the plays of the famous English playwright.

Movie lovers can visit several cinemas, such as the Cinestar multiplex in the Futurum shopping centre, CINEMA CITY multiplex in the New Karolina shopping centre; more artistic audiences will enjoy the Minikino Cafe in the historical centre of the city. Other cinemas include: Luna, Vesmír, Art in the Ostrava Culture Centre, Hvězda in Vratimov, Panorama in Klimkovice or Kino Polanka in Polanka nad Odrou.

During the year, Ostrava hosts a number of musical events of various genres. These events include **Janáček's May** and **St. Wenceslas Music Festival**, annual international festivals of classical music, and the **Ostrava Days**, a bi-annual festival focused on contemporary classical music. In the summer, there are several well-attended festivals such as the **Festival in the Streets**, **Beats for Love**, an electronic music festival, and the **Colours of Ostrava**, a multi-genre festival. The musical scene in Ostrava is complemented by the **Janáček Philharmonic Orchestra**, a leading Czech symphonic ensemble named after Leoš Janáček, a composer born in Hukvaldy.

A number of exceptional cultural events also take place thanks to numerous clubs and folklore groups, e.g. those organizing the **Folklore without Borders** and **Třebovice cake** festivals.

A wide range of cultural activities is complemented by many local galleries and museums with exhibitions of diverse areas of human life. The most prominent ones are the Ostrava Art Gallery, the Ostrava Museum, the Plato Gallery and the World of Technology in the Lower Vítkovice.

The importance of Lower Vítkovice, a national cultural monument, far exceeds the city, region and the Czech Republic. By reconstructing the original gas holder, the “Gong”, a multifunctional congress centre with a capacity of 1,509 seats and its own gallery space was created. The reconstruction of the original historical energy distribution station (U6) gave rise to the Small World of Technology, an industrial museum with educative elements. In September 2014, the “Big World of Technology” was opened in a completely new building. On an area of 14,000 square meters, visitors can discover four worlds – Children’s World, the World of Science and Discovery, the World of Civilization and the World of Nature. Since May 2015, Lower Vítkovice has had a new landmark – the Bolt Tower. Standing almost seventy-eight meters high, the glazed superstructure of the Blast Furnace No 1 serves as a lookout tower with multifunctional areas and a café.

12.5 Sport and recreation

Ostrava is a traditional sports city, hosting prominent sporting events of national as well as European or world-wide importance. In June 2013 Ostrava won the prestigious title of European City of Sport 2014 and joined cities such as Madrid, Valencia or Barcelona. This project aims to involve citizens in sports activities and thus contribute to the improvement of their physical and mental health. The award of this title also had an economic dimension, as it was strengthen sports and recreational infrastructure and especially increased the attractiveness of the City for visitors from mainly the Czech Republic, Slovakia and Poland and increase the visibility of Ostrava within the European Union.

Ostrava has a wide range of sports facilities – athletics stadiums, ice rinks, multi-purpose sports halls, tennis courts, squash clubs, indoor and outdoor swimming pools, and many more. The most significant facilities are operated by Sportovní a rekreační zařízení města Ostravy, s. r. o. Its outdoor swimming pool Ostrava-Poruba is the largest natural swimming pool in Central Europe.

Keen cyclists will enjoy the dense network of cycle routes crossing the entire city. This network is constantly being expanded and passes through many places of natural beauty or historical interest – an ideal choice for a day trip.

The area around the city also provides plenty of opportunities for leisure and recreation. **The Beskydy and Jeseníky mountains** (30 km and 60 km away from Ostrava respectively) offer excellent skiing and winter sports facilities. From spring through to autumn, the mountain ranges are a paradise for hikers, cyclists and anglers. Between May and September a 'CycleBus' service is in operation, carrying cyclists (and their bikes), hikers and other passengers between Ostrava and the Beskydy mountains. In the winter sports season, the SkiBus performs the same service.

Golfers will love the region's courses – ranging from the Šilheřovice course (close to the city, in the grounds of the local chateau) to the courses in Čeladná, Ropice and Ostravice. Just 30 km from Ostrava there is also the popular 9-hole course in Kravaře.

Ostrava is the host city for a wide range of top national, European or world sporting events and championships (ice hockey, handball, weightlifting, volleyball, figure skating, tennis – the Davis Cup, bodybuilding and much more). Each year the city showcases the world's top athletes at the Golden Spike international athletics meeting. In 2015, Ostrava became the co-host of the Ice Hockey World Championship; some matches were held in the Ostrava Arena – one of the largest and most modern multi-purpose arenas in Czech Republic. The Ice Hockey World Championship in Prague and Ostrava attracted a total of 741,690 spectators, the largest number in history.

12.6 Tourist attractions

Ostrava's industrial heritage is one of the most popular tourist destinations. Among all the technical sights, let us mention the following three attractions:

- **Michal Mine** – a valuable authentic industrial complex. Its expositions are created as if the miners left yesterday and left everything in their place.
- **Lower Vítkovice** – a former industrial complex which is unique in that the whole technological process took place here – from coal mining to the production of pig iron.
- **Landek Park** – the largest museum of mining in the Czech Republic. In 1953, the world-famous Landek Venus was also found here. A 46mm statuette of a woman is the proof of the ancient settlement of the Ostrava area by mammoth hunters.

Other tourist destinations include the **Ostrava Zoo** with more than 400 species of animals, the **Silesian Ostrava Castle**, which regularly attracts various cultural events, **Miniuni – the World of Miniatures** with models of buildings of major European cities and the 7 Wonders of the World, and the **Ostrava Museum** with the unique interior astronomic clock made by Jan Mašek in 1930s. Other sights worth mentioning include the **Museum of Fire-Fighting**, the newly renovated **Cathedral of the Divine Saviour** (the second largest cathedral in Moravia and Silesia after the Velehrad basilica) and the **Ostrava Planetarium**.

CzechTourism, a publicly co-funded organization founded by the Ministry of Regional Development, publishes an annual ranking of the most visited tourist destinations in the Czech Republic. In 2016, three sites represented Ostrava in the top 20 tourist destinations: Lower Vítkovice – Landek park with the attendance of 1,302 thousand visitors (4th place), the Ostrava Zoo with 509 thousand visitors (14th place), as well as the Silesian Ostrava Castle, the World of Miniatures, the Cellar of Ghosts with 457,000 visitors (16th place).

More tourist information is available in mobile guides (for download at: www.ostrava.cz/cs/turista/mobilni-aplikace) and the website www.ostrava.cz or www.ostravainfo.cz. When getting around the city, tourists can also use the network of branches of the Ostrava Information Service and a series of information leaflets which the city regularly publishes and updates. Another way to get to know the city from a different perspective is through the **Salomon Code**, a tourist game for smart phones. The game is based on the story of the Rothschild family, taking the players around interesting places of Ostrava, while the players have to perform various tasks, look for on-site clues and information and solve logic puzzles that lead to decoding the cipher of the mysterious talisman.

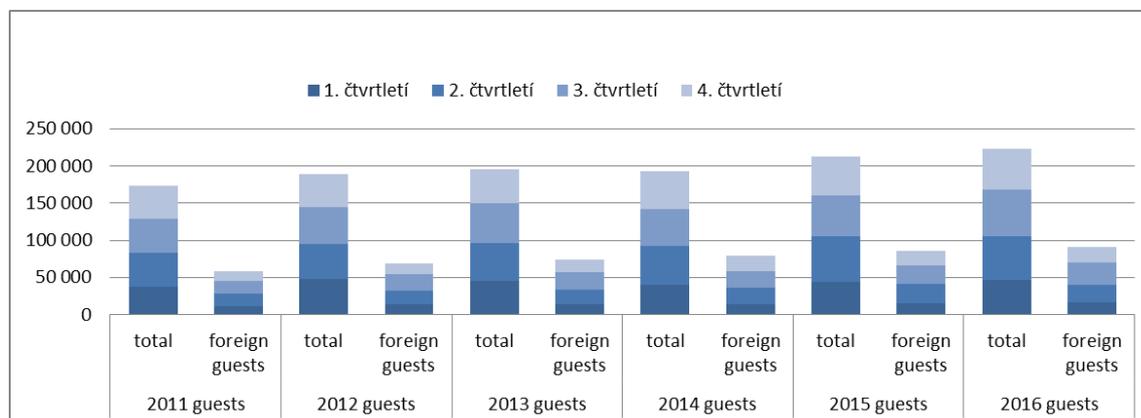
13 Accommodation

Capacity and visitors of MAFs in the Ostrava tourist region, 2016

Ostrava tourist region	Mass accommodation facilities	Rooms	Beds	Guests	Overnight stays	Average overnight stays (nights)
Total	65	2,566	5,228	222,507	592,177	2.7
of which:						
Hotel, motel, hotel ****	9	839	1,609	106,725	196,613	1.8
Hotel, motel, hotel ***	22	609	1,141	67,011	113,497	1.7
Hotel, motel, hotel *	4	204	418	11,119	32,253	2.9
Guesthouse	17	170	371	10,981	21,886	2.0
Tourist hostel	6	138	455	9,901	25,240	2.5
Other MAFs	7	606	1,234	16,770	202,688	12.1

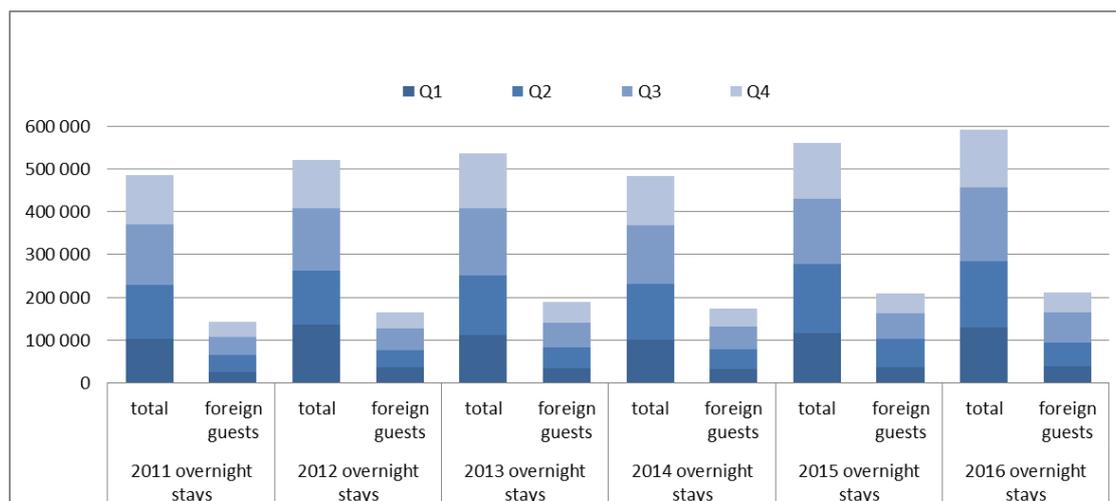
Source: SCO (2017)

Number of guests in collective accommodation establishments (2011–2016)



Source: SCO (2016)

Number of overnight stays in collective accommodation establishments (2011–2015)



Source: SCO (2016)

Note: TO Ostrava = Ostrava, Klimkovice, Vřesina, Dolní Lhota, Horní Lhota, Čavisov, Velká Polom

13.1 Student halls of residence

Koleje VŠB-TU Ostrava

Studentská 1770

708 32 Ostrava-Poruba

tel.: +420 596 996 155 (114)

fax: +420 596 996 164 (499)

www.vsb.cz

Studentská Residence Slezská

Československé Armády 1612/25

710 00 Ostrava - Slezská Ostrava

tel.: +420 555 558 231

www.koleje-slezska.cz

Studentské koleje Vista

Kpt. Vajdy 3046/2

700 30 Ostrava

www.ubytovani-studentske-koleje-vista-ostava.az-ubytovani.info/

Kampus Palace

Smetanovo náměstí 3116/10

702 00 Ostrava

Tel.: +420 777 101 615

www.kampuspalace.cz

13.2 Conference and exhibition facilities

Trojhalí Karolina

K Trojhalí 3361/5
702 00, Ostrava
Tel.: +420 725 360 218
<http://trojhali.cz/>

Divadlo Antonína Dvořáka

Smetanovo náměstí 3104/8A
720 00, Ostrava
Tel.: +420 596 276 114
www.ndm.cz

Důl Hlubina

Vítkovická 1708/17
702 00 Ostrava
www.dolnivitkovice.cz

OSTRAVAR ARENA

Ruská 3077/135
702 00, Ostrava
Tel.: +420 596 707 301
<http://www.arena-vitkovice.cz>

Cinema City

Jantarová 3344/4
702 00, Ostrava
Tel.: +420 255 742 021
www.cinematicity.cz

Cinestar Ostrava

Novinářská 6c
702 00, Ostrava
Tel.: +420 737 227 761
<http://firmy.cinestar.cz/>

Divadlo Jiřího Myrona

Čs. Legií 148/14
702 00, Ostrava
Tel.: +420 596 276 114
www.ndm.cz

Kino Luna

Výškovická 113,
700 30, Ostrava – Hrabůvka
Tel.: +420 596 751 712
www.kzoj.cz

Klub Alfa

Veleslavínova 3183
702 00, Ostrava
www.tanecni-ostrava.cz

Komorní klub

Velfíkova 8, 700 30, Ostrava – Hrabůvka
Tel.: +420 596 739 107
www.kzoj.cz

Kulturní dům K-TRIO

Dr. Martíňka 1439/4
700 30, Ostrava - Hrabůvka
Tel.: +420 596 739 107
www.kzoj.cz

Landek Park

Pod Landekem 64
725 29, Ostrava
Tel.: +420 602 532 414
www.landekpark.cz

Dolní oblast Vítkovice

Ruská 2887/101
706 02 Ostrava
Tel.: +420 724 267 678
www.dolnioblastvitkovice.cz

Dolní oblast Vítkovice GONG

Ruská 2887/101
706 02 Ostrava
Tel.: +420 724 267 678
www.dolnioblastvitkovice.cz

Výstaviště Černá louka

Výstaviště černá louka
726 28, Ostrava
Tel.: +420 596 167 112
www.cerna-louka.cz

Slezskoostravský hrad

Hradní 1
710 00, Ostrava
Tel.: +420 721 262 690
<http://hrad.cerna-louka.cz/>

Důl Michal

Československé armády 413/95
715 00 Ostrava
Tel.: +420 596 231 160
www.dul-michal.cz

VŠB – TUO

17. listopadu 15/2172
708 33, Ostrava
Tel.: +420 596 995 335
www.vsb.cz

**Clarion Congress Hotel
Ostrava******

Zkrácená 2703
700 30, Ostrava - Zábřeh
Tel.: +420 596 702 111
www.clarioncongresshotelostrava.com

**Hotel Park Inn
Ostrava******

Hornopolská 3313/42
702 00, Ostrava
Tel.: +420 595 195 000
www.parkinn.cz/hotel-ostrava

Seminární centrum Akademie

Hrušovská 16
702 00, Ostrava
Tel.: +420 733 672 678
www.centrumakademie.cz

Dům kultury města Ostravy

28. října 124/2556
709 24, Ostrava
Tel.: +420 597 489 111
www.dkmoas.cz

Dům kultury Akord

Náměstí SNP 1
700 30, Ostrava – Zábřeh
Tel.: +420 596 762 521
www.dk-akord.cz

Imperial Hotel Ostrava****

Tyršova 6
701 38, Ostrava 1

Tel.: +420 599 099 779
www.imperialhotelostrava.com

Hotel Mercure Ostrava Center****

Československá 18/ 1742
702 00, Ostrava
Tel.: +420 595 606 600
<http://www.mercureostrava.cz/>

MA´MA café restaurant – GONG Business

Center Ostrava
Poděbradova 2738/16
702 00, Ostrava
www.mamacz.cz

Best Western Hotel Vista

Kpt. Vajdy 3046/2
700 30 Ostrava - Zábřeh
Tel.: +420 733 665 220
www.hotelvista.cz

Harmony Club Hotel Ostrava

28. října 170
709 00 Ostrava - Mariánské Hory
Tel.: +420 596 652 111
www.harmonyclub.cz

Kulturní centrum Cooltour

Černá louka 3188
70200 Ostrava - Moravská Ostrava
Tel.: +420 552 303 020
<http://cooltourova.cz/>

Impact Hub Ostrava

Sokolská tř. 1263/24
70200 Ostrava
Tel.: +420 774 142 014
www.hubostrava.cz

Conference in accommodation establishments in MS Region

Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Number of events	170	264	369	772	710	1 008	1 078	613	744	620	614
Number of participants	31 694	45 640	71 501	100 699	98 337	135 478	189 059	85 675	105 047	72 895	78 601

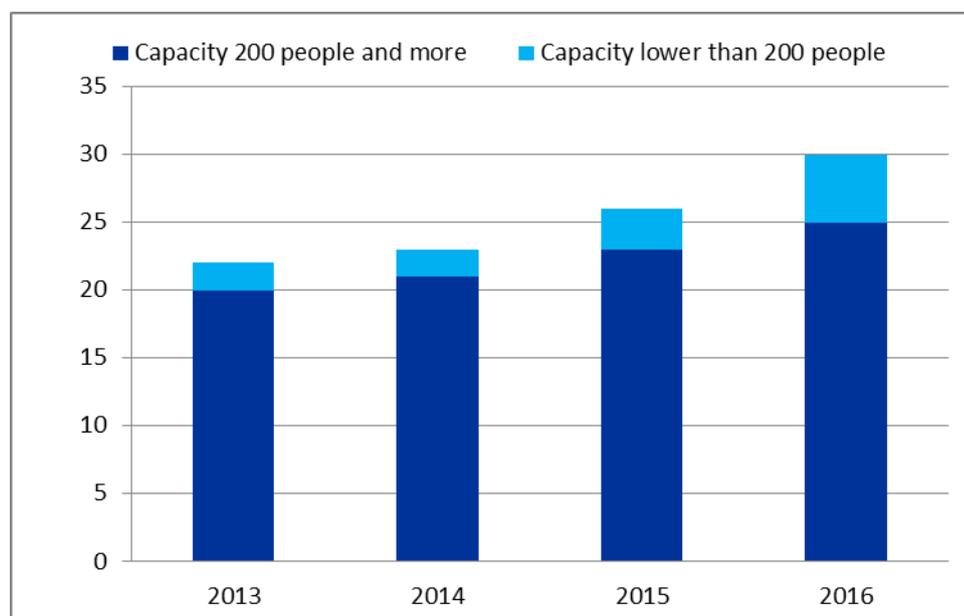
Source: CSO (2017)

The statistics is based on the methodology of the Czech Statistical Office only using data from entities which provide accommodation services. As a result, this methodology provides distorted information, as it does not include the number of large congresses and conferences in facilities such as Gong, Černá Louka exposition grounds, Landek Park and many others. Currently there are efforts to eliminate this trend and create a model allowing the acquisition of quality statistical data.

Interest in organizing congresses in Ostrava is growing, especially after the opening of Gong and the Lower Vítkovice compound.

Congress capacity in Ostrava

	2013	2014	2015	2016
Capacity 200 people and more	20	21	23	25
Capacity lower than 200 people	2	2	3	5



Source: OCA (2016)

14 Bodies of the City, City Districts and Municipal Organizations

In accordance with the Act No. 128/2000 Sb. on Municipalities (on municipal constitution), as amended, Ostrava is a "statutory city" (*in Czech: statutární město, i.e. one with special self-governing privileges*). The territory of the City is divided into 23 city districts. At the same time, the City is a municipality with extended competence. In terms of its size, the largest city district is Silesian Ostrava (4,174 ha) and the smallest city district is Pustkovec (108 ha). In terms of population as of 1 January 2016, the largest city district is Ostrava-Jih (population of 107,055), followed by Ostrava-Poruba (population of 66,879), Moravská Ostrava a Přívoz (population of 39,245). The internal administrative arrangement of the City is laid down in a generally binding ordinance – the "Statute" of the City of Ostrava.

The City has a two-tier system of management. The City Assembly, City Council, the Mayor, Ostrava City Authority and Ostrava Municipal Police constitute the first tier. The second tier, i.e. the tier of city districts, is represented by city district assemblies, councils, mayors and city district authorities.

14.1 City administration

The **City Assembly** is the highest-ranking decision-making body of the City. Members are elected by citizens for a four-year electoral period. The Assembly has 55 members and its sessions are open to the public. The City Assembly sets up committees as its advisory and controlling bodies.

The **City Council** is the executive body of the City. It has 11 members: the Mayor, the Deputy Mayors and a further four members of the Assembly who act as Councillors. The Council and the Mayor are Assembly members elected to these positions by the Assembly. Sessions of the Council are closed to the public. The City Council appoints commissions as its advisory and initiatory bodies. The **Mayor of the City** is elected by the Assembly and represents the City in public.

The **City Authority** consists of the Mayor – who is the head of the Authority – plus the Deputy Mayors, the City Authority Secretary and the employees of the City Authority. It carries out tasks assigned to it by the Assembly and the Council as well as standard local government duties. The Authority carries out these duties on the basis of current legal regulations.

The City Secretary coordinates and monitors the activities of all City Authority employees. The Secretary is appointed and dismissed by the Mayor after approval by the Director of the Regional Authority. The City Authority is divided into departments set up by the City Council.

City Police Force

Act No 367/1990 Sb., on municipalities (the municipal system) entrusted the issues of local public order to the autonomous powers of municipalities, thus giving the municipal assembly the right to establish a municipal (city) police. The Mayor is the commander-in-chief of the Municipal Police of Ostrava.

http://www.ostrava.cz/en/urad/mesto-a-jeho-organy?set_language=en

14.2 Municipal District administration

- Municipal District Assemblies
- Municipal District Councils
- Mayors
- Municipal District Authorities
- Special Municipal District bodies

14.3 City organizations

- Contributory organizations
- Commercial companies
- Public service organizations

15 Contacts

15.1 Important institutions

Agentura pro regionální rozvoj, a. s.
www.arr.cz

BIC Ostrava, s.r.o.
www.bicova.cz

CzechInvest - Regionální kancelář pro MSK
www.czechinvest.org

Česko-polská obchodní komora
www.opolsku.cz

Úřad Regionální rady
www.rr-moravskoslezsko.cz

Krajská hospodářská komora MSK
www.khkmsk.cz

Krajský úřad - Moravskoslezský kraj
www.kr-moravskoslezsky.cz

Podnikatelský inkubátor VŠB – TU Ostrava
http://cpi.vsb.cz
Institut Rozvoje Podnikání, s.r.o.
www.irp.cz

Ostravský informační servis, s.r.o.
www.ostravainfo.cz

RPIC-ViP s.r.o.
www.rpic-vip.cz

Úřad práce v Ostravě
portal.mpsv.cz/sz/local/ot_info

Sdružení pro rozvoj Moravskoslezského kraje, z. s.
www.msunion.cz

Statutární město Ostrava - Magistrát
www.ostrava.cz

15.2 Important public administration bodies and courts

Finanční úřad Ostrava I
cds.mfcr.cz

Finanční úřad Ostrava II
cds.mfcr.cz

Finanční úřad Ostrava III
cds.mfcr.cz

Hasičský záchranný sbor Moravskoslezského kraje
www.hzsmsk.cz

Katastrální úřad pro Moravskoslezský kraj, katastrální pracoviště Ostrava
www.cuzk.cz

Krajský soud v Ostravě

portal.justice.cz/
Oblastní inspektorát práce pro Moravskoslezský kraj a Olomoucký kraj se sídlem v Ostravě
www.suip.cz

Okresní státní zastupitelství Ostrava
portal.justice.cz

Krajská hygienická stanice Moravskoslezského kraje
www.khsova.cz

Krajské státní zastupitelství v Ostravě
portal.justice.cz/justice2/soud/soud.aspx?o=12&j=22&k=274

Národní památkový ústav, územní odborné pracoviště v Ostravě
uop-os.npu.cz/

Oblastní inspektorát práce
www.suip.cz/oip10

Obvodní báňský úřad v Ostravě
www.cbubus.cz/obu-ostava.aspx

Okresní soud v Ostravě
portal.justice.cz/

Okresní správa sociálního zabezpečení Ostrava
www.cssz.cz

Policie ČR – Správa Severomoravského kraje, Městské ředitelství
www.mvcr.cz

Policie ČR – Oblastní ředitelství služby cizinecké a pohraniční policie Ostrava
www.mvcr.cz

Pozemkový fond ČR
www.pfcr.cz

Úřad práce v Ostravě
portal.mpsv.cz/sz/local/ot_info

Úřad pro zastupování státu ve věcech majetkových, Územní pracoviště Ostrava
www.uzsvm.cz

Zdravotní ústav se sídlem v Ostravě
www.zuova.cz

15.3 Important institutions in research, development and innovation

Moravskoslezské inovační centrum (MSIC, dříve VTPO)
www.vtpo.cz

Firmy v rámci MSIC
<http://vtpo.cz/firmy>

Centrum městského a regionálního managementu - Ostravská Univerzita
www.mestskymarketing.cz

Fakultní nemocnice Ostrava
www.fno.cz

Fyzikálně technický zkušební ústav, s. p.
www.ftzu.cz

MATERIÁLOVÝ A METALURGICKÝ VÝZKUM s.r.o.
www.mmvyzkum.cz

Mittal Steel Ostrava, a.s.
Oddělení technického rozvoje a ekologie
www.mittalsteelostrava.com

Ostravská univerzita
www.osu.cz

Technický a zkušební ústav stavební Praha
www.tzus.cz

Ústav geoniky Akademie věd ČR Ostrava
www.ugn.cas.cz

Výzkumný ústav vodohospodářský T.G.Masaryka – veřejná výzkumná instituce
www.vuv.cz

VÍTKOVICE TESTING CENTER s.r.o.
www.labatest.cz

VVUÚ, a.s.
www.vvuu.cz

Vysoká škola báňská – TU Ostrava
www.vsb.cz

Firmy v podnikatelském inkubátoru VŠB – TU Ostrava
cpi.vsb.cz

Vysoká škola podnikání a práva, a.s.
www.vspp.cz

15.4 Selected IT companies

ALFA Computer CZ, s.r.o.

www.alfacomp.cz

AUTOCONT CZ, a.s.

www.autocont.cz

Crux information technology s.r.o.

www.cruxit.com

D3Soft s.r.o.

www.d3soft.cz

ha-vel family s.r.o.

www.ha-velfamily.cz

OVANET, a.s.

www.ovanet.cz

PEGATRON Czech, s.r.o.

pegatron.jobs.cz

Pit Software, s.r.o.

www.pitsoftware.cz

VIAVIS a.s.

www.viavis.cz

FLAME System, s.r.o.

www.flame.cz

IBM ČR, s.r.o. - pobočka Ostrava

www.ibm.com/cz

Ingeteam a.s.

www.ingetteam.cz

K2 atmitec s.r.o.

www.k2atmitec.cz

KVADOS Mobile Solutions, s.r.o.

www.kvados.cz

VÍTKOVICE IT SOLUTIONS a.s.

itsolutions.vitkovice.cz

Arrow ECS, a.s.

www.arrowecs.cz

Siemens, s.r.o.

www.siemens.cz

Tieto Czech s.r.o.

www.tieto.cz

15.5 Banks

AXA ČR – Regional headquarters Ostrava

www.axa.cz

Citibank, a.s., branch office Ostrava

www.citibank.cz

Commerzbank AG, branch office Ostrava

www.commerzbank.cz

Česká národní banka, branch office Ostrava

www.cnb.cz

Česká spořitelna, a.s., branch office Ostrava (Erste Bank)

www.csas.cz

Českomoravská záruční a rozvojová banka, a.s., branch office Ostrava

www.cmzrb.cz

Československá obchodní banka, a.s., branch office Ostrava

(KBC Group N.V.)

www.csob.cz

mBank, branch office Ostrava

www.mbank.cz

Oberbank AG Ostrava

www.oberbank.cz

Poštovní spořitelna – regional financial centre

www.postovnisporitelna.cz

MONETA Money Bank, branch office Ostrava

www.moneta.cz

Hypoteční banka, a.s., branch office Ostrava, (ČSOB, a.s.)

www.hypotecnibanka.cz

ING Bank (ING Group)

www.ing.cz

Expobank CZ a.s., branch office Ostrava

www.expobank.cz

Komerční banka, a.s., branch office Ostrava, (Société Générale Group)

www.kb.cz

Korea Exchange Bank Deutschland Aktiengesellschaft Tel.: +420 595 700 901

Raiffeisen Bank, branch office Ostrava

www.rb.cz

UniCredit Bank ČR, a.s., branch office Ostrava, (UniCredit Group)

www.unicreditbank.cz

Sberbank CZ, branch office Ostrava

www.sberbank.cz

Wüstenrot

www.wuestenrot.cz

Air Bank a.s.

www.airbank.cz

15.6 Selected stores & shopping centres

FORUM Nová Karolina

www.nova-karolina.cz

AVION Shopping Park Ostrava

www.ostrava.avionshoppingpark.cz

Baumax ČR a.s.

www.baumax.cz

Futurum Ostrava

www.futurumostrava.cz

Platforma Ostrava

Tel.: +420 595 705 040

IKEA ČR, s.r.o.

www.ikea.cz

LASO Ostrava

Spectrum stores, a.s.

www.laso-ostrava.cz

Globus ČR, k.s.

www.globus.cz

OBI Market Ostrava (Kutil, k. s.)

www.obi.cz

Kaufland ČR, v.o.s.

www.kaufland-online.cz

MAKRO ČR, s.r.o.

www.makro.cz

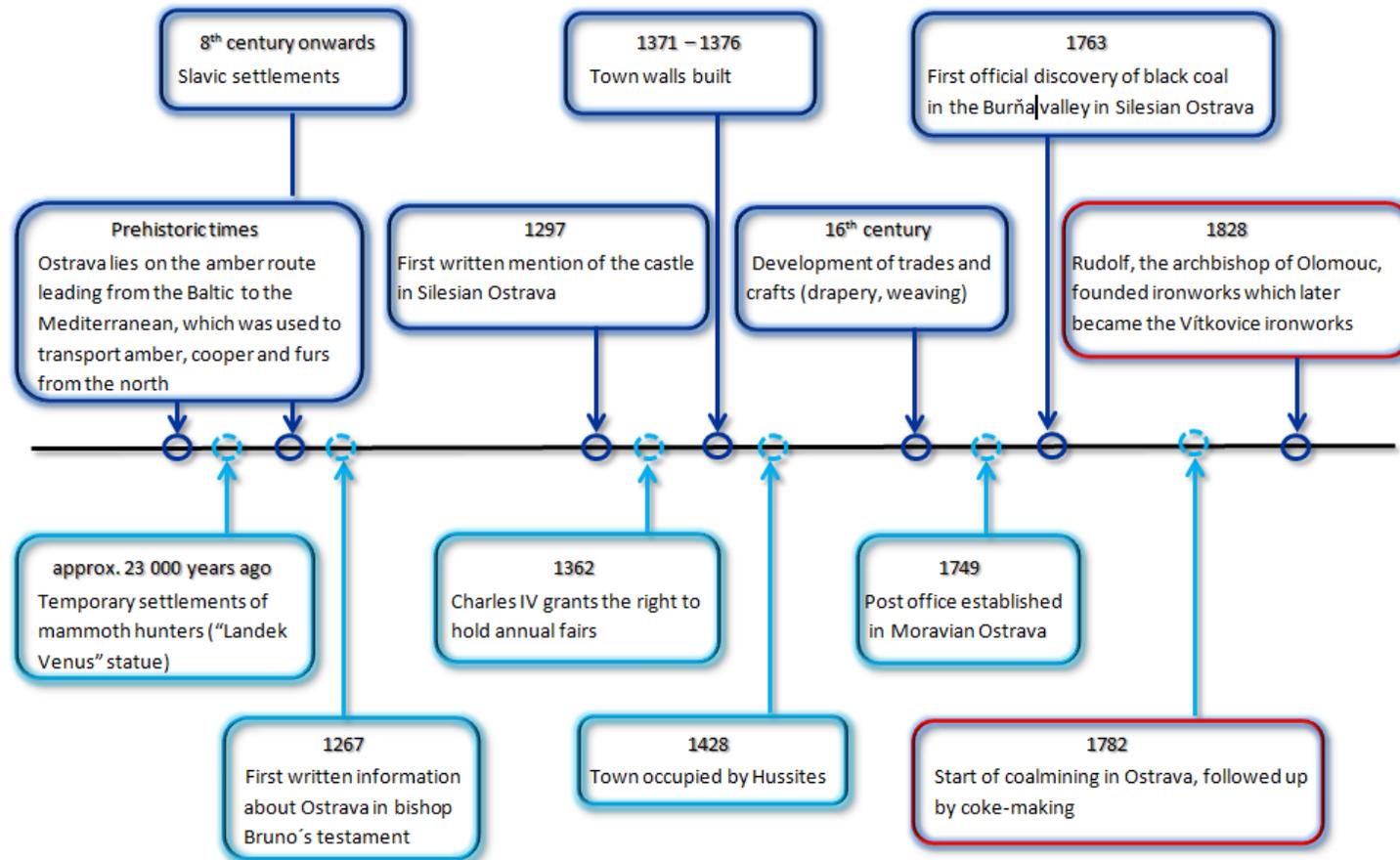
SCONTO nábytek, s.r.o.

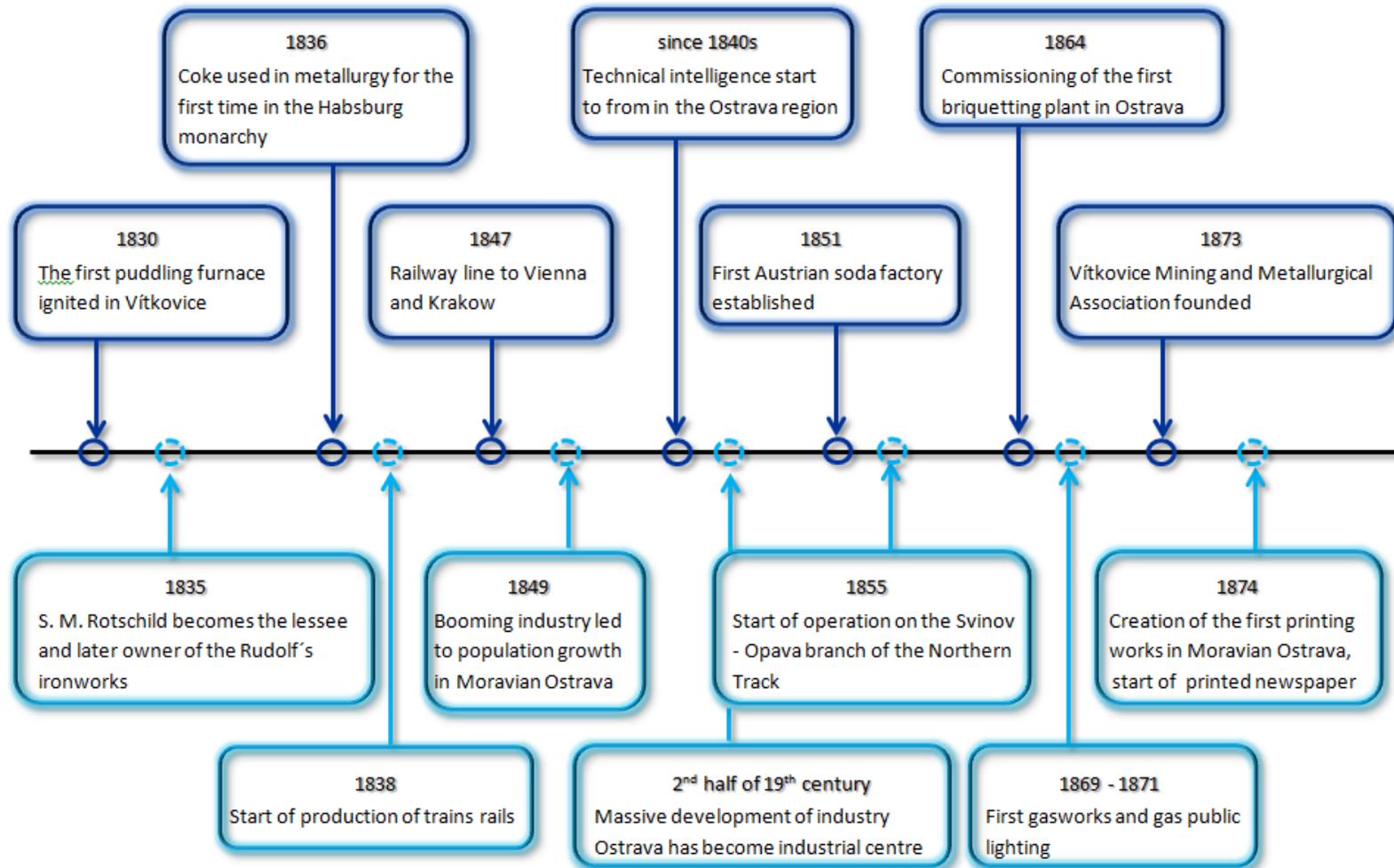
www.sconto.cz

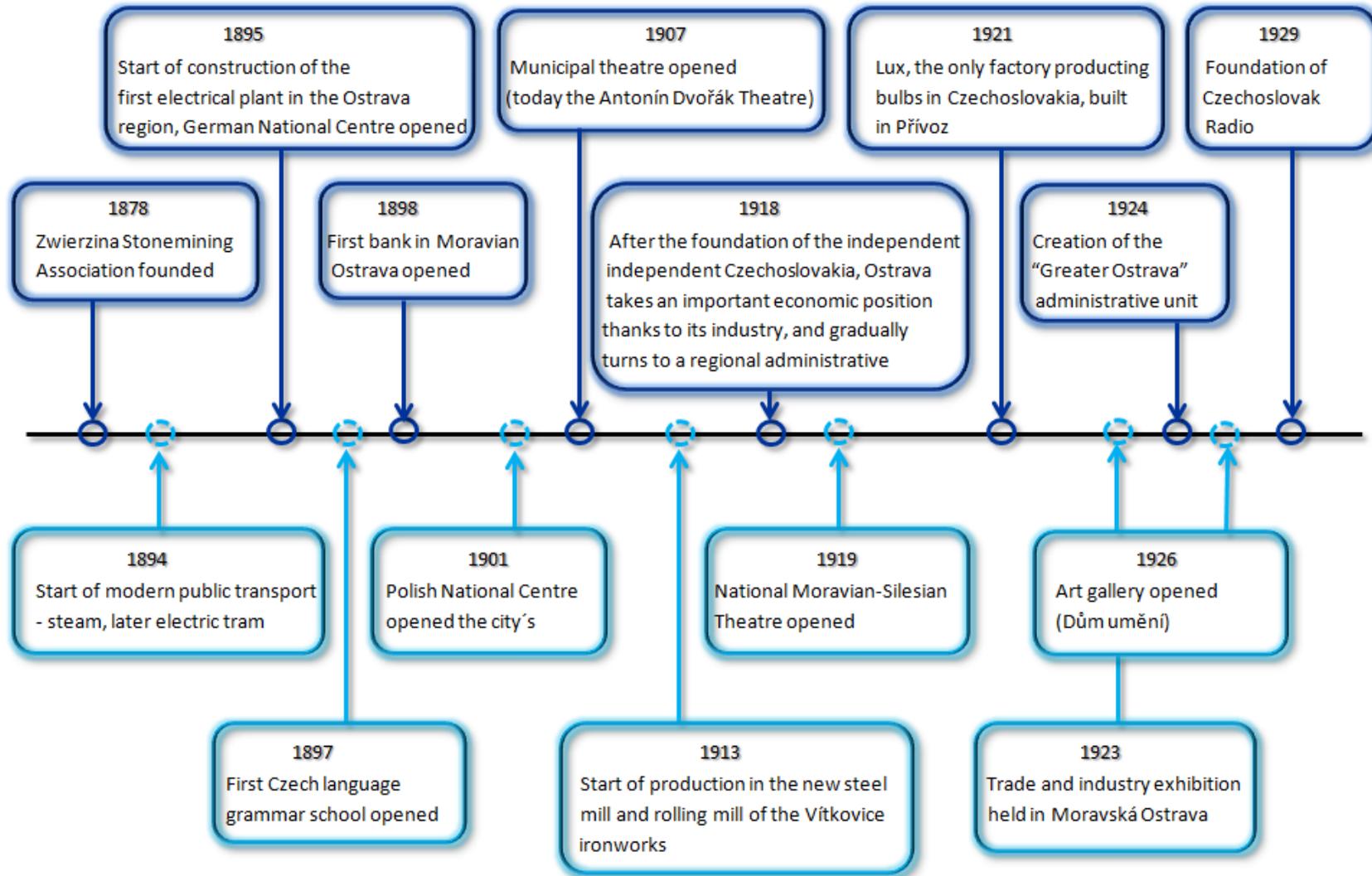
Hornbach, Baumarkt CS, s.r.o.

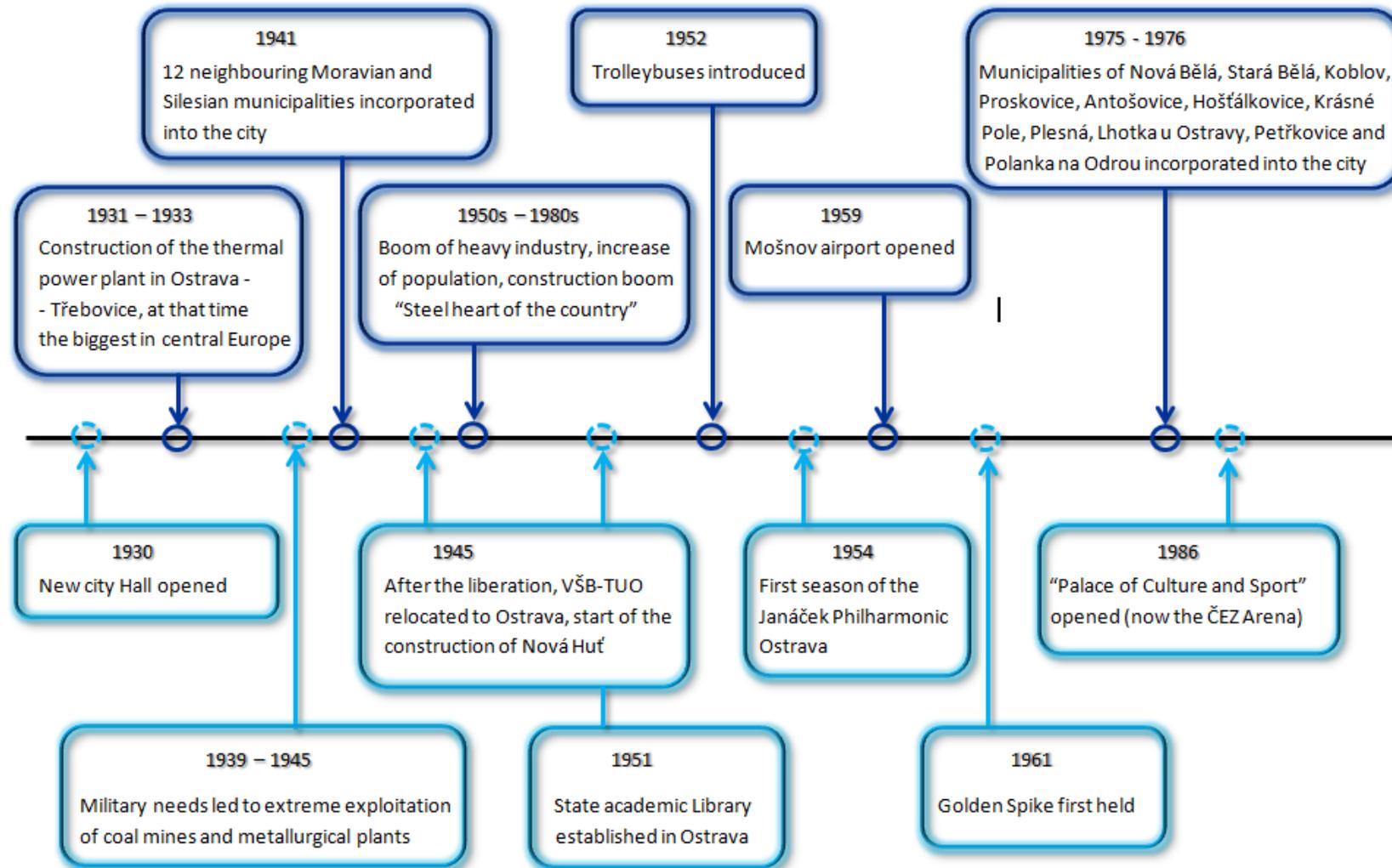
www.hornbach.cz

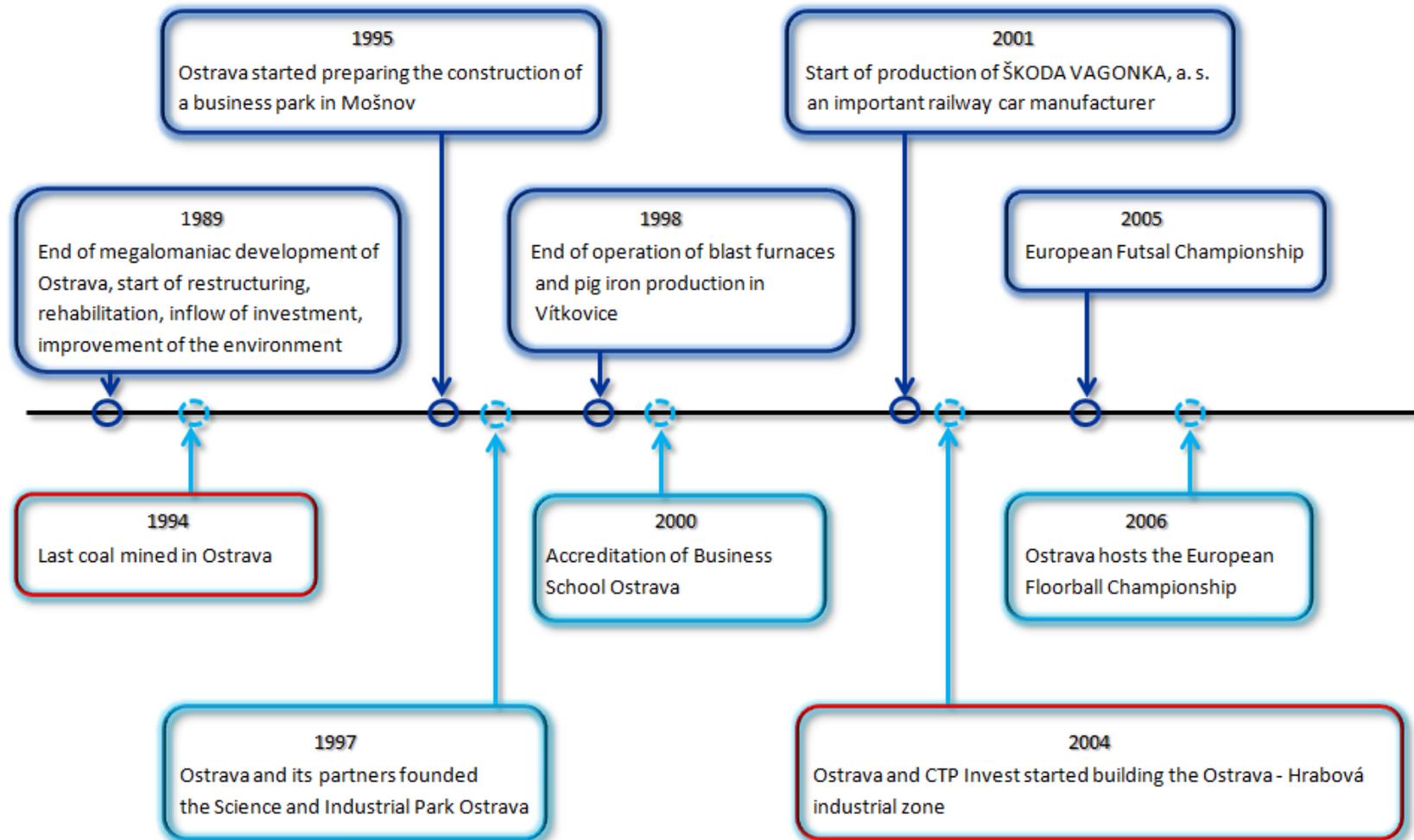
16 Milestones in Ostrava's history

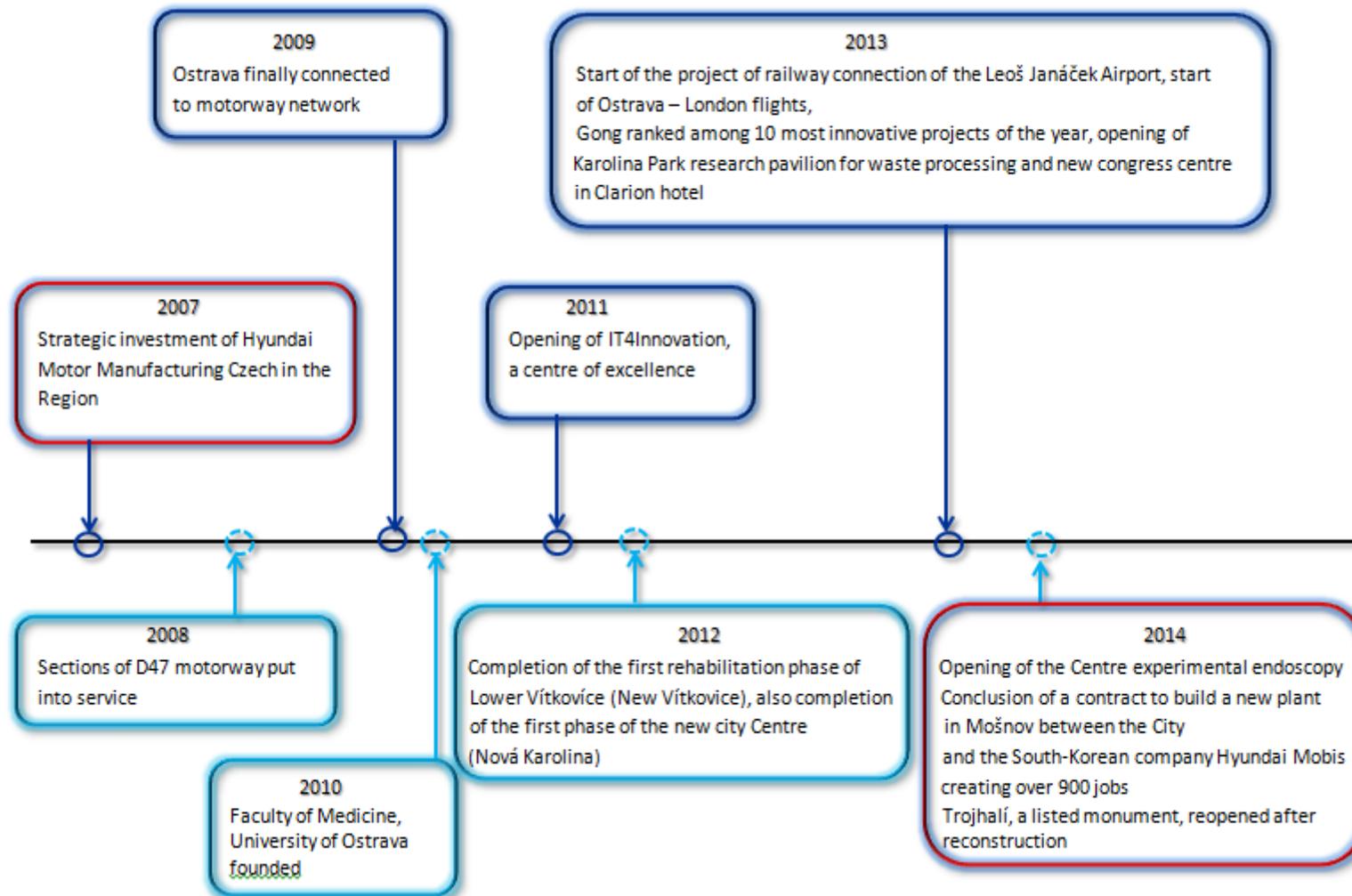


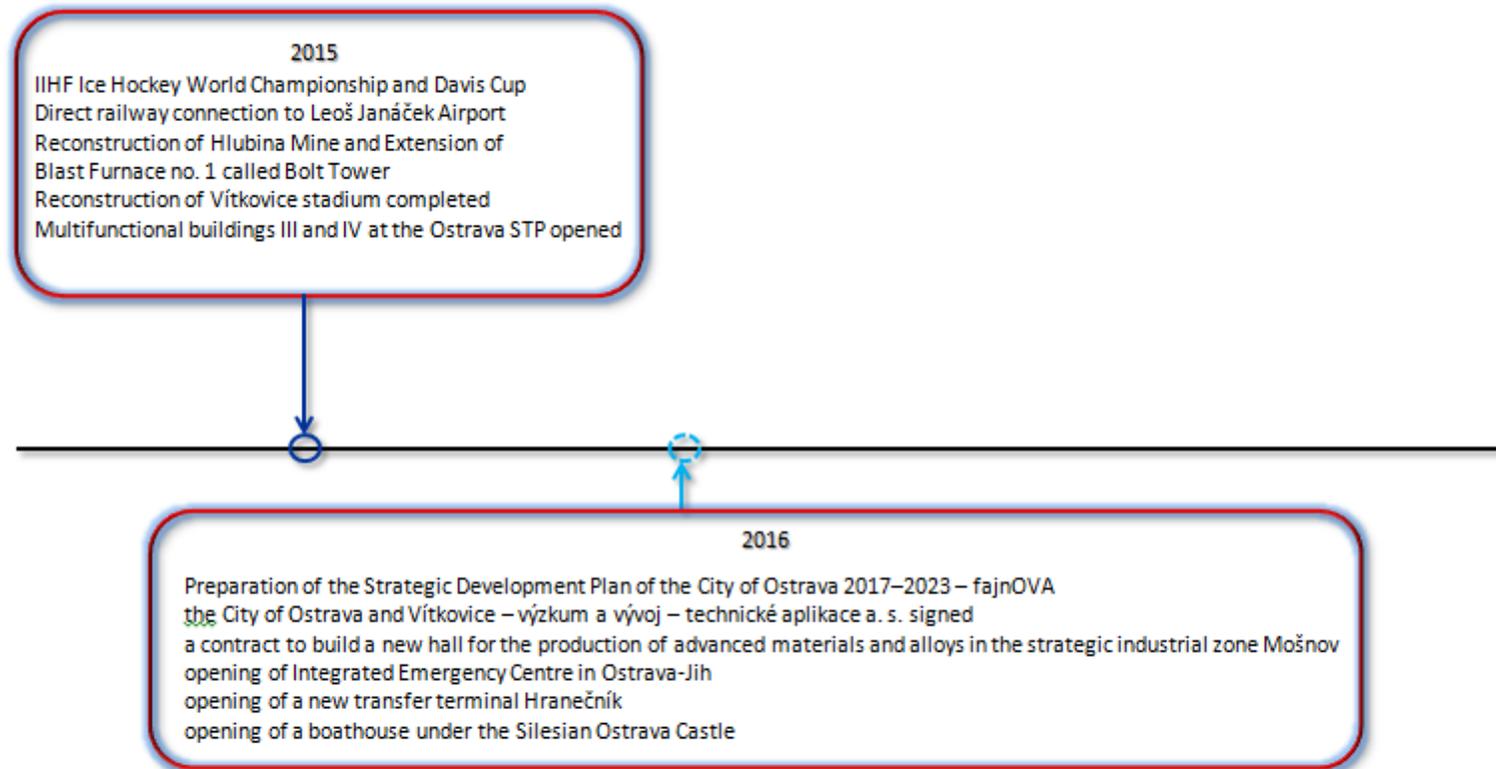












List of Abbreviations

CHMI	Czech Hydrometeorological Institute
CSO	Czech Statistical Office
ISAE	Information System on Average Earnings
JLL	Jones Lang LaSalle
OCA	Ostrava City Authority
MLSA	Ministry of Labour and Social Affairs of the Czech Republic
MSR	Moravian-Silesian Region
PHC	Population and Housing Census
LO	Labour Office
VŠB-TU	VŠB - Technical University

Fact Sheets Ostrava 2017

Produced by Strategic Development Department of the Ostrava City Authority

Head of Strategic Development Department: Ing. Václav Palička

E-mail: vpalicka@ostrava.cz

Published by the City of Ostrava

Prokešovo náměstí 8, 729 30 Ostrava, Czech Republic

Date of publication: September 2017