



# Country profile Key indicators

# Slovensko

Directorate-General Regional and Urban Policy Analysis Unit B1

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### Introduction

The Analysis unit of DG for Regional and Urban Policy has created 28 country profiles to support the preparation and implementation of the programming period 2014-2020. Each profile makes it easy to compare the performance of a country with the EU average and the best and the worst performer in the Union.

It shows key indicators at the national level, grouped by the three types of growth, and the regional level. In addition, it shows the distribution of population by type of region and a few indicators by degree of urbanisation, which highlight the differences between cities and rural areas.

The Europe 2020 indicators are highlighted in blue. They show the current level, the target, the distance to the target and recent change. The distance to target shows how far a country is removed from the target it has set itself. This distance can be compared to the EU distance and the shortest and longest national distance. Comparing the distances should provide an indication of the relative effort required to reach the target. Where available and reliable, regional Europe 2020 indicators have been included.

These profiles are based on data primarily from Eurostat, but also from the Joint Research Centre, the European Environmental Agency, the World Bank and other sources. The targets have been collected from official documents. In some cases, absolute targets have been translated into relative targets to allow for a cross country comparison.

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Comments on these country profiles are welcome at REGIO-PAPERS@ec.europa.eu

### **Explanation of the column headings**

M.S.	EU avg.	EU min.	EU max.
Member State	EU value	Minimum national	Maximum national
value		value in the EU	value in the EU

# 1. National Indicators

indicator	unit	year(s)*	M.S.	EU avg.	EU min.	EU max.
1.1. Smart growth						
R&D and innovation						
R&D expenditure	% of GDP	2013	8.0	2.0	0.4	3.3
- national EU 2020 target	% of GDP	2020	1.2	3.0	0.5	4.0
- increase required to reach the target	% of GDP	2013-2020	0.4	1.0	0.0	1.6
- change in rate	Percentage point change	2003-2013	0.3	0.2	-0.5	1.3
Gross domestic expenditure on R&D (GERD) financed by Government sector	% of GERD	2013 (2012)	38.9	32.8	23.4	66.4
Patent applications to the EPO (per inhabitant)	Index, EU28 = 100	2011-2012	8.7	100.0	2.4	266.8
Human Resources in Science and Technology (core)	% of total employment	2013	15.3	21.4	13.3	40.0
Employment in high-technology sectors	% of total employment	2013	3.6	3.9	2.2	7.3
Employment in knowledge-intensive services	% of total employment	2013	32.8	39.2	20.1	57.8
Real labour productivity growth per hour worked	Index 2000 = 100	2013	157.1	113.9	100.3	193.1
IT infrastructure						
Households with broadband connection	% of all households	2014	76.0	78.0	56.0	95.0
Firms with broadband connection	% of firms	2013	87.0	90.0	61.0	99.0
DSL coverage	% of total population	2013	47.4	93.5	36.4	100.0
Competitiveness and business env	ironment					
Competitiveness Index	Index - Values range between 0 and 100	2013	31.3	52.5	8.9	86.4
GDP per head (PPS)	Index, EU28 = 100	2013	75.0	100.0	45.0	257.0
GDP per head growth	Annual average % change	2003-2013	4.0	0.7	-1.3	4.8
Ease of doing business	Rank (out of 183 economies)	2014	37.0	35.9	4.0	94.0
Number of days to start a business	Number of days required to register a firm	2014	11.5	11.6	2.5	34.5
Quality of governance						
Quality of Government index	Index (in standard deviations)	2013	-0.9	0.0	-1.8	1.5
Rule of law	Index (in standard deviations)	2013	-1.1	0.0	-2.0	1.4
Voice and Accountability	Index (in standard deviations)	2013	-0.4	0.0	-2.0	1.5
Government effectiveness	Index (in standard deviations)	2013	-0.6	0.0	-2.2	1.9
Control of corruption	Index (in standard deviations)	2013	-1.1	0.0	-1.5	1.7
Internet use: interaction with public authorities	% of all individuals	2014	57.0	47.0	10.0	84.0
Education						
Population aged 25-64 with low educational attainment	% of population, aged 25-64	2014	9.0	24.0	6.7	57.8
Population aged 25-64 with high educational attainment	% of population, aged 25-64	2014	20.4	29.3	15.9	45.9
Population aged 30-34 with high educational attainment	% of population, aged 30-34	2014	26.9	37.9	23.9	53.3
- national EU 2020 target	% of population, aged 30-34	2020	40.0	40.0	26.0	66.0
- increase required to reach the target	% of population, aged 30-34	2014-2020	13.1	3.1	1.7	13.5

Slovensko

<sup>\*</sup> year(s) refer to Member State values. Year(s) between brackets refer to EU28

indicator	unit	year(s)*	M.S.	EU avg.	EU min.	EU max.
- change in rate	Percentage point change	2004-2014	14.0	11.0	1.9	22.4
Early school leavers, aged 18-24	% of population, aged 18-24	2014	6.7	11.1	2.7	21.9
- national EU 2020 target	% of population, aged 18-24	2020	6.0	10.0	4.0	16.0
- reduction required to reach the target	% of population, aged 18-24	2014-2020	0.4	:	0.2	10.8
- change in rate	Percentage point change	2004-2014	-0.1	-4.9	-21.9	0.1
1.2. Sustainable growth						
Climate change and energy						
Change in GHG emissions outside ETS	% change	2005-2012	-9.9	:	-22.4	12.9
- national EU 2020 target	%	2020	13.0	:	-20.0	20.0
- to reach target (negative = minimum reduction, positive = maximum increase)	% points	2012-2020	22.9	:	-14.7	31.4
Share of renewable energy in gross final energy consumption	% of energy consumption	2013	9.8	15.0	3.6	52.1
- national EU 2020 target	% of energy consumption	2020	14.0	20.0	10.0	49.0
- increase required to reach the target	% of energy consumption	2013-2020	4.2	5.0	-3.1	9.9
- change in rate	Percentage point change	2007-2013	2.2	5.0	0.9	10.3
Wind energy potential	full load hours per year	2000-2005	793.8	:	457.1	3186.7
Average of solar radiation resources	Average solar energy resources in KWh/year	-	1280.2	:	1053.0	2001.0
Environment						
Population connected to urban wastewater treatment	% of total population	2011	60.0	:	39.0	100.0
Particulate matter (PM10) annual average	μg/m³	2011	27.7	22.3	9.6	33.8
Ozone concentration exceedances (> 120 µg/m3)	Annual average of number of days with exceedance	2011	121.3	111.4	85.3	131.9
Sufficiency of sites designated under the EU habitats directive	% of suficiency of proposals	2012	71.0	:	44.0	100.0
Transport						
Density of motorways	Index of length, relative to area and population	2013 (2011)	55.1	100.0	0.0	303.7
Increase in pot. road accessibility in a high- speed scenario	% increase in current pot. accessiblity	2008	66.6	14.0	0.0	131.5
Passenger transport by road	% of passenger km per mode	2012	92.9	92.5	88.5	100.0
Freight transport by road	% of tonnes km transported per mode	2013	76.0	75.4	39.6	100.0
Road fatalities	per mio inhabitants	2012	59.2	55.9	21.6	100.5
- European 2020 target	per mio inhabitants	2020	33.8	33.8	33.8	33.8
- reduction required to reach the target	per mio inhabitants	2011-2020	32.0	:	0.1	67.8
Density of railways (moderate and high speed)	Index of length, relative to area and population	2012	153.6	100.0	47.2	232.4
Increase in pot. rail accessibility in a high- speed scenario	% increase in current pot. accessiblity	2008	75.7	30.3	0.0	75.7
Passenger transport by rail	% of passerger km per mode	2012	7.1	7.4	0.7	11.5
Freight transport by rail	% of tonnes km transported per mode	2013	21.4	17.8	1.1	60.4
Accessibility to passenger flights	Daily number of passenger flights	2013	185.4	753.9	42.4	1558.2

indicator	unit	year(s)*	M.S.	EU avg.	EU min.	EU max.
1.3. Inclusive growth						
Employment						
Employment growth	Average annual % change	2003-2013	0.6	0.3	-1.2	2.8
Employment rate, ages 20-64	% of population, aged 20-64	2014	65.9	69.2	53.3	80.0
- national EU 2020 target	% of population, aged 20-64	2020	72.0	75.0	62.9	80.0
- increase required to reach the target	% of population, aged 20-64	2014-2020	7.0	6.6	0.2	17.1
- change in rate	Percentage point change	2004-2014	2.2	1.8	-10.6	9.2
Gender gap in employment rate, ages 20-64	% point difference (f - m)	2014	-14.6	-11.5	-28.4	-1.9
Unemployment rate	% of active population	2014	13.2	10.2	5.0	26.5
Change in unemployment rate	Percentage point change	2004-2014	-5.2	0.9	-10.1	15.9
Gender gap in unemployment rate	% point difference (f - m)	2014	0.8	0.2	-3.5	6.5
Long-term unemployment	% of active population	2014	9.3	5.1	1.5	19.5
Participation in Life Long Learning	% of population, aged 25-64	2014	3.0	10.7	1.5	31.7
Social inclusion, poverty and healt	th					
At risk of poverty or exclusion	% of population	2013	19.8	24.5	14.6	48.0
- national EU 2020 target	% of population	2020	17.5	19.5	13.6	42.8
- reduction required to reach the target	% of population	2013-2020	2.3	5.0	0.8	12.5
- change in rate	Percentage point change	2006-2014 (2010-2014)	-7	1	-14	6
Living in a household with a low work intensity	% of population	2013	7.6	10.8	6.4	23.9
At risk of poverty after social transfers	% of population	2013	12.8	16.6	8.6	23.1
Severely materially deprivated persons	% of population	2013	10.2	9.6	1.4	43.0
Male life expectancy at birth	Years	2013 (2012)	72.9	77.4	68.5	80.3
Female life expectancy at birth	Years	2013 (2012)	80.1	83.1	78.6	86.1
Infant mortality	Deaths under 1 year of age per 1000 birhts	2012	5.8	3.8	1.6	9.2
Standardised cancer mortality rates	Deaths per 100,000 inhabitants	2011	325.8	268.6	195.8	357.3
Standardised heart disease mortality rates	Deaths per 100,000 inhabitants	2011	386.4	84.9	23.4	544.9
1.4. Context						
Demography						
Average total population	1000 inh.	2013	5413.0	508130.4	423.4	82104.0
Population growth	pro mille (annual average)	2003-2013	0.7	3.2	-14.4	19.3
Natural population change	pro mille (annual average)	2003-2013	0.7	0.8	-5.0	9.3
Net migration	pro mille (annual average)	2003-2013	0.0	2.4	-10.6	14.6
Population aged 0-14 years	% of total population	2014	15.3	15.6	13.1	22.0
Population aged 15-64	% of total population	2014	71.1	65.9	63.4	71.1
Population aged 65+	% of total population	2014	13.5	18.5	12.6	21.4
Economic policy and public financ	e					
Inflation rate	Annual average rate of change in HICPs	2014	-0.1	0.6	-1.6	1.5
Public deficit/surplus	Net lending / net borrowing as a share of GDP	2014	-2.9	-2.9	-8.8	1.2

indicator	unit	year(s)*	M.S.	EU avg.	EU min.	EU max.
Public debt	Government gross debt as a share of GDP	2014	53.6	86.8	10.6	177.1
Balance of the current account	Current account deficit / surplus as a share of GDP	2013	2.1	1.2	-4.4	10.4
Total investment	Gross fixed capital formation as a share of GDP	2014	21.1	19.3	10.8	25.8
Net foreign direct investment (inflow)	Direct investment in the reporting economy as a share of GDP	2013	0.6	2.5	-21.9	608.3
Net foreign direct investment (outflow)	Direct investment outside the reporting economy, as a share of GDP	2013	-0.4	2.6	-5.2	602.1
Public investment	Gross fixed capital formation of General Government as a share of GDP	2014	3.7	2.9	1.8	5.2
Long term bond yields	in %	2014	2.1	2.2	1.2	6.9
Economic structure						
Employment in Agriculture (NACE A)	% of total employment	2013	3.2	5.1	1.1	30.0
Employment in Industry (NACE B to E)	% of total employment	2013	23.6	15.9	8.9	27.2
Employment in Construction (NACE F)	% of total employment	2013	7.6	6.5	4.4	10.5
Employment in Trade and Transport (NACE G to I)	% of total employment	2013	27.2	24.4	20.0	33.2
Employment in ICT, Financial and Real Estate Services (NACE J to L)	% of total employment	2013	5.6	6.6	2.9	16.1
Employment in Professional and Administrative Services (NACE M+N)	% of total employment	2013	9.7	11.8	3.8	17.9
Employment in Public, Education, Health and Other Services (NACE O to U)	% of total employment	2013	23.2	29.6	14.6	38.1
Productivity in Agriculture; GVA (PPS) / Employment	Index, EU28 = 100	2013	237.6	100.0	32.7	238.9
Productivity in Industry; GVA (PPS) / Employment	Index, EU28 = 100	2013	79.8	100.0	44.3	234.1
Productivity in Construction; GVA (PPS) / Employment	Index, EU28 = 100	2013	95.6	100.0	43.3	173.4
Productivity in Trade and Transport; GVA (PPS) / Employment	Index, EU28 = 100	2013	91.1	100.0	40.9	152.2
Productivity in ICT, Financial and Real Estate Services; GVA (PPS) / Employment	Index, EU28 = 100	2013	72.8	100.0	54.3	156.5
Productivity in Professional and Administrative Services; GVA (PPS) / Employment	Index, EU28 = 100	2013	76.3	100.0	37.8	147.1
Productivity in Public, Education, Health and Other Services; GVA (PPS) / Employment	Index, EU28 = 100	2013	79.3	100.0	48.1	158.9

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Urban wastewater with more stringent treatment	% of collected wastewater	2010
Road fatalities	per mio inhabitants	2012
Increase in pot. rail accessibility in a high-speed scenario	% increase in current pot. accessibility	2008
Increase in pot. road accessibility in a high-speed scenario	% increase in current pot. accessibility	2008
Employment in knowledge-intensive services	% of total employment	2013
Life expectancy at birth	Years	2013
Gender gap in unemployment rate	Percentage point difference	2014
Long-term unemployment	% of total number of active population	2014
Unemployment rate	% of active population	2014
Real productivity growth in industry and services	Average annual % change	2000-2008
Productivity	GVA (PPS) / person employed. Index EU28=100	2013
GDP per head growth	Average annual % change	2001-2011
GDP per head (PPS)	Index, EU28 = 100	2013
Net migration	total percentage change	2003-2013
Average total population	1000 inh.	2013

EU28			508480	2.5	100.0	1.0	100.0		10.1	5.0	0.1	80.3	39.2	14.0	30.3	55.9	
Slovensko	0		5413	0.0	75.3	4.7	83.5	4.5	13.2	9.3	8.0	9.92	32.8	9.99	75.7	59.2	18.9
NUTS reg	NUTS regions 2 and 3																
SK01	Bratislavský kraj		615	1.3	184.1	5.4	120.3	4.7	0.9	2.7	0.8	78.1	50.0	26.8	41.5	46.2	7.9
SK010	Bratislavský kraj		615	6.	184.1		114.6	4.7						26.8	41.5		
SK02	Západné Slovensko		1837	0.0	70.8	5.8	9.62	4.0	11.0	7.8	1.2	76.8	27.0	51.6	0.99	74.5	10.5
SK021	Trnavský kraj		556	1.8	82.6		93.0	4.9						39.4	56.2		
SK022	Trenčiansky kraj		594	-0.7	65.3		9.69	3.5						61.5	79.2		
SK023	Nitriansky kraj		689	-0.7	66.3		9.92	3.5						55.2	64.5		
SK03	Stredné Slovensko		1348	-0.4	59.8	4.2	2.69	4.6	15.9	11.3	0.3	76.2	32.5	102.4	113.3	62.2	26.8
SK031	Žilinský kraj		069	4.1-	63.7		6.07	5.3						91.2	105.1		
SK032	Banskobystrický kraj		629	9.0	52.6		69.4	3.8						119.1	127.7		
SK04	Východné Slovensko		1612	-0.1	51.7	3.5	72.8	4.4	16.6	12.1	1.3	76.2	32.1	103.8	88.6	1.4	25.6
SK041	Prešovský kraj		816	-1.0	43.9		64.9	4.7						106.0	100.4		
SK042	Košický kraj		793	0.7	67.9		75.8	4.3						101.6	77.4		
	less developed regions (o. transition regions	(only NUTS2 and NUTS3 regions are colour coded)	ns are colour coded)						Đ	regional values worse than the national average are in red, better than the national average in green	worse than t	he national a	verage are in	red, better th	an the nation	al average in	green.

regional values worse than the national average are in red, better than the national average in green.

	Employ	Employment rate, age	, ages 20-64	Early schoo	Early school leavers, aged Population aged 30-34 with 18-24 high education attainment	Population a high educal	iged 30-34 with ion attainment	R&D ex	R&D expenditure	At-risk of po exc	At-risk of poverty or social exclusion	severe material deprivation rate
	Level	Distance to target	Change	Level	Distance to target	Level	Distance to target	Level	Distance to target	Level	Distance to target	Level
	% of population, aged 20-64	% of population, aged 20-64	Percentage point change	% of population, aged 18-24	% of population, aged 18-24	% of population, aged 30-34	% of population, aged 30-34	% of GDP	% of GDP	% of total population	% of total population	% of total population
egional Europe 2020 indicators	2014	2014 2014-2020	2004-2014	2012-2014	2011/13-2020	2012-2014	2004-2014 2012-2014 2011/13-2020 2012-2014 2012/14-2020	2012	2012-2020	2013	2013-2020	2013

indicato
2020
Europe
Regional

EU28	69.2	5.8	2.0	12	2	37	က	2.0	1.0	25	2	10
Slovensko	62.9	6.1	2.4	9	0	26	4	8.0	9.4	20	7	10

NUTS 2 regions

60	Bratislavský kraj	74.8	*	0.3
402	Západné Slovensko	62.9	4.1	+
SK03	Stredné Slovensko	63.8	8.2	3.3
¥04	Východné Slovensko	61.9	10.1	4.0

(only NUTS2 and NUTS3 regions are colour coded)

less developed regions transition regions

\* the national target has been reached.

0 2 2

20 18 20 22

\* 0.0 0.0 0.0

0.6

\* 20 16 17

20 24 23

# 3. Population in specific territories

Category	M.S.	EU avg.	EU min.	EU max.
urban/rural including remoteness				
predominantly urban regions	11.2	42.3	0.0	100.0
intermediate regions, close to a city	38.4	32.0	0.0	100.0
intermediate, remote regions	0.0	3.1	0.0	13.9
predominantly rural regions, close to a city	50.4	13.4	0.0	50.4
predominantly rural, remote regions	0.0	9.2	0.0	38.5
metro regions				
capital city region	11.2	16.2	6.2	100.0
second tier metro region	14.7	19.2	0.0	34.1
smaller metro region	0.0	23.3	0.0	39.6
other regions	74.2	41.3	0.0	74.2
border regions (2007-2013)				
programme area (including partly)	100.0	39.9	19.8	100.0
internal border programmes (EU + EFTA)	70.2	30.0	0.0	100.0
external border programmes	0.0	5.3	0.0	76.9
both internal and external border programmes	29.8	4.7	0.0	100.0
no programme area	0.0	60.1	0.0	80.2
mountain regions				
> 50 % of population	0.0	0.3	0.0	2.3
> 50 % of surface	25.7	13.7	0.0	50.3
> 50 % of population and 50 % of surface	40.1	8.8	0.0	47.0
other regions	34.2	76.9	21.5	100.0
island regions				
major island < 50,000 inhabitants	0.0	0.1	0.0	7.5
major island between 50,000 and 100,000 inh.	0.0	0.1	0.0	1.4
major island between 100,000 and 250,000 inh.	0.0	0.2	0.0	4.6
island with 250,000 - 1 million inhabitants	0.0	1.3	0.0	100.0
island with >= 1 million inhabitants	0.0	2.6	0.0	100.0
other regions	100.0	95.7	0.0	100.0
sparsely populated regions				
less than 12.5 inh/km²	0.0	0.6	0.0	18.2
other regions	100.0	99.4	81.8	100.0

# 4. Indicators by degree of urbanisation

ple by	
ived people	% (2013)
ally deprivec	isation -
ly materiall	of urbar
Severely	degree

Thinly	populated	10.8	4	5 6	52.1	6.1	2.4	5.3	6.4	6.9	20.7	5.8	3.9	17.9	14.3	17.5	26.4	16.4	1.3	30.2		6.0	1.4	12.6	8.5	33.6	9.9	10.3	2.5	0.7	2.7
Intermediate	density	8.3	o c	0.6	43.8	8.9	4.2	4.6	0.6	13.0	19.9	5.4	4.5	12.4	12.2	16.3	23.7	15.8	2.2	26.2	8.1	2.1	3.2	11.7	9.6	21.8	6.2	10.0	2.4	2.1	7.0
Densely	populated	8.6	7.7	- C	35.3	7.0	5.2	6.3	1.8	10.8	20.1	6.7	6.1	11.5	12.0	15.4	21.5	15.6	2.1	22.9	9.7	3.3	9.2	11.1	13.3	26.5	7.5	10.4	2.5	4.1	10.3
		EU28	П	ם ה	BG	CZ	Z	DE	出	<u>*</u>	岀	ES	H H	H	⊨	≿		L	2	呈	M	N	AT	Ы	PT	RO	S	SK	ᇤ	SE	S S

Households with broadband connection by degree of urbanisation - % of HH (2012)

populated 25.2

Thinly

Intermediate

ısely ılated

density 26.7

Total population by degree of urbanisation - % (2013)

37.3 44.9

24.1

41.1

	populated	Intermediate density	i niniy populated		Densel
EU28	92	72	49	EU27	48.1
BE	74	92	7.1	BE	53.2
BG	63	42	39	BG	43.0
CZ	29	63	29	CZ	29.9
K	87	85	83	Z	34.6
DE	82	81	80	E C	34.8
出	79	81	99	Ш	42.
ш	73	64	09	<u>*</u>	35.1
ᆸ	09	29	39	岀	41.9
ES	70	65	26	ES	49.9
FR	81	75	72	H	46.2
Ŧ	99	29	26	光	26.0
⊨	58	55	48	Ŀ	44.2
ζ	64	29	52	ζ	51
*	64	78	55		43.3
LT	70		52	L	42.5
n.	68	89	69	Π	14.6
H	92	69	09	呈	30.4
MT	78	74	71	MT	89.0
N	85	84	84	¥	46.8
AT	81	77	74	AT	29.7
PL	72	89	61	Ы	33.3
PT	68	29	44	PT	44.4
RO	20	70	36	RO	32.9
SI	79	77	89	S	18.7
SK	81	69	69	SK	24.4
H	86	82	84	正	35
SE	06	88	82	SE	39.6
Ϋ́	84	89	87	¥	55
*2011				* 2012	

40.8 39.4 44.3 26.9 33.9 45.4 47.8 47.8 47.7 47.7

38.4

0.1

42.4

40.7

43.8 44.0 47.1

\* 2012

# 5. Sources and notes

indicator / notes	unit	source(s)
R&D and innovation		
R&D expenditure	% of GDP	Eurostat
R&D expenditure - national EU 2020 target	% of GDP	European Commission
R&D expenditure - increase required to reach the target	% of GDP	EC, Eurostat, DG REGIO
R&D expenditure - change in rate	Percentage point change	Eurostat, DG REGIO
Gross domestic expenditure on R&D (GERD) financed by Government sector	% of GERD	Eurostat
Patent applications to the EPO (per inhabitant)	Index, EU28 = 100	Eurostat, DG REGIO
Human Resources in Science and Technology (core)  Core = people employed in a science and technology of S&T field of study	% of total employment ccupation AND having succesfully comp	Eurostat, DG REGIO eleted education at the third level in a
Employment in high-technology sectors  NACE rev.2	% of total employment	Eurostat
Employment in knowledge-intensive services NACE rev.2	% of total employment	Eurostat
Real labour productivity growth per hour worked Productivity in industry and services	Index 2000 = 100	Eurostat, DG REGIO
IT infrastructure		
Households with broadband connection	% of all households	Eurostat
Firms with broadband connection	% of firms	Eurostat
DSL coverage	% of total population	DG CNECT
Competitiveness and business environ	nment	
Competitiveness Index	Index - Values range between 0 and 100	JRC, DG REGIO
GDP per head (PPS)	Index, EU28 = 100	Eurostat, DG REGIO
GDP per head growth	Annual average % change	Eurostat, DG REGIO
Ease of doing business	Rank (out of 183 economies)	World Bank
Number of days to start a business	Number of days required to register a firm	World Bank
Quality of governance		
Quality of Government index	Index (in standard deviations)	Worldbank, DG REGIO
Rule of law	Index (in standard deviations)	Worldbank, DG REGIO
Voice and Accountability	Index (in standard deviations)	Worldbank, DG REGIO
Government effectiveness	Index (in standard deviations)	Worldbank, DG REGIO
Control of corruption  The five indicators above have been calculated based o	Index (in standard deviations) In the methodology developed in the reg	Worldbank, DG REGIO gional quality of government study by
the Quality of Government Institute in Gothenburg.  Internet use: interaction with public authorities	% of all individuals	Eurostat
Education		
Population aged 25-64 with low educational attainment	% of population, aged 25-64	Eurostat
Population aged 25-64 with high educational attainment	% of population, aged 25-64	Eurostat
Population aged 30-34 with high educational attainment	% of population, aged 30-34	Eurostat
Population aged 30-34 with high educational attainment - national EU 2020 target	% of population, aged 30-34	Eurostat, DG REGIO
Population aged 30-34 with high educational attainment - increase required to reach the target	% of population, aged 30-34	Eurostat, DG REGIO

Eurostat. DG REGIO Population aged 30-34 with high educational attainment -Percentage point change change in rate

Early school leavers, aged 18-24 % of population, aged 18-24 Eurostat

Eurostat, DG REGIO Early school leavers, aged 18-24 - national EU 2020 % of population, aged 18-24

target

Early school leavers, aged 18-24 - reduction required to % of population, aged 18-24 Eurostat, DG REGIO

reach the target

Early school leavers, aged 18-24 - change in rate Percentage point change Eurostat, DG REGIO

Climate change and energy

Change in GHG emissions outside ETS % change **European Environment Agency** GHG emissions outside ETS - national EU 2020 target European Environment Agency

Greenhouse gas emision limits under article 3 of Decision n.406/2009/EC - 2020 limits compared to 2005 greenhouse gas emissions levels

GHG emissions outside ETS - to reach target (negative = % points European Environment Agency minimum reduction, positive = maximum increase)

Share of renewable energy in gross final energy % of energy consumption

consumption

Share of renewable energy in gross final energy consumption - national EU 2020 target

% of energy consumption Eurostat

Share of renewable energy in gross final energy consumption - increase required to reach the target

Share of renewable energy in gross final energy consumption - change in rate

Wind energy potential full load hours per year EEA ETC-ACC, REGIO-GIS

Average full load hours per year (onshore only) at 80 m hub height.

Average solar energy resources in KWh/year Average of solar radiation resources JRC (Photovoltaic Geographical

Information System), REGIO-GIS

Eurostat, DG REGIO

Eurostat, DG REGIO

Eurostat

Regional, national and EU averages of raster data representing the yearly sum of global irradiation on optimally-inclined surfaces (KWh/m²), during period 1981-1990.

% of energy consumption

Percentage point change

**Environment** 

Population connected to urban wastewater treatment Eurostat % of total population

Particulate matter (PM10) annual average EEA, Eurostat, REGIO-GIS μg/m<sup>3</sup>

Figures at regional, national and EU level are population weighted averages of raster-based concentration values.

EEA, Eurostat, REGIO-GIS Ozone concentration exceedances (> 120 µg/m3) Annual average of number of days with

exceedance

Days with ground-level ozone concentration above 120 μg/m³. Population-weighted aggregated values at regional/national/EU level.

Sufficiency of sites designated under the EU habitats % of suficiency of proposals Eurostat

directive

This index measures the extent to which SCI proposed by the MS cover the species and habitats listed in Annexes I and II to the habitats directive. 100% indicates sufficiency of proposals for all Annex I and II terrestrial habitat types and species.

**Transport** 

Density of motorways Eurostat, EuroGeographics, DG Index of length, relative to area and population

MOVE, NSOs, REGIO-GIS

Arithmetic average of the index relative to area (motorway length / surface) and the index relative to population (motorway length / inhabitants), both indices being expressed in comparison to the EU28 average.

Increase in pot. road accessibility in a high-speed scenario % increase in current pot. accessibility DG REGIO, Spiekermann & Wegener

Potential (pot.). accessibility calculates the inverse-distance weighted population that can be reached within approximately four hours travel time. The high-speed scenario assumes an ample provision of motorways.

Passenger transport by road Eurostat % of passenger km per mode % of tonnes km transported per mode Freight transport by road Eurostat

Road fatalities per mio inhabitants DG MOVE+ENER-SRD, CARE

database; Eurostat

COM(2010) 389, Towards a European Road fatalities - European 2020 target per mio inhabitants

road safety area

DG REGIO Road fatalities - reduction required to reach the target per mio inhabitants

Density of railways (moderate and high speed)

Index of length, relative to area and population

DG REGIO, RRG

Arithmetic average of the index relative to area (railway length / surface) and the index relative to population (railway length / inhabitants), both indices being expressed in comparison to the EU28 average.

Increase in pot. rail accessibility in a high-speed scenario % increase in current pot. accessibility DG REGIO, Spiekermann & Wegener

Potential (pot.). accessibility calculates the inverse-distance weighted population that can be reached within approximately four hours travel time. The high-speed scenario assumes an ample provision of reasonably fast rail connections.

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Passenger transport by rail % of passerger km per mode Eurostat

Freight transport by rail % of tonnes km transported per mode Eurostat

Accessibility to passenger flights Daily number of passenger flights Eurostat, JRC, EFGS, TomTom,

EuroGeographics, REGIO-GIS

Regional population-weighted average number of passenger flights per day, accessible at less than 90 minutes travel time by road.

**Employment** 

Employment growth Average annual % change Eurostat, DG REGIO

Growth of workplace-based employment (regional and national accounts)

Employment rate, ages 20-64 % of population, aged 20-64 Eurostat and NSOs

Employment rate, ages 20-64 - national EU 2020 target % of population, aged 20-64 Eurostat, DG REGIO

Employment rate, ages 20-64 - increase required to % of population, aged 20-64 Eurostat, DG REGIO reach the target

Change in the employment rate of persons aged 15-64

Gender gap in employment rate, ages 20-64 % point difference (f - m) Eurostat

The difference between female and male employment rates

 Unemployment rate
 % of active population
 Eurostat and NSOs

 Change in unemployment rate
 Percentage point change
 Eurostat and NSOs

Gender gap in unemployment rate % point difference (f - m) Eurostat

The difference between female and male unemployment rates

Long-term unemployment % of active population Eurostat

Long-term unemployed = unemployed for more than 1 year

Participation in Life Long Learning % of population, aged 25-64 Eurostat

Social inclusion, poverty and health

At risk of poverty or exclusion % of population Eurostat

At risk of poverty or exclusion - national EU 2020 target % of population NRP and Commission estimates.

At risk of poverty or exclusion - reduction required to % of population DG REGIO

reach the target

At risk of poverty or exclusion - change in rate Percentage point change Eurostat, DG REGIO

Living in a household with a low work intensity % of population Eurostat At risk of poverty after social transfers Eurostat % of population Severely materially deprivated persons % of population Eurostat Male life expectancy at birth Years Eurostat Female life expectancy at birth Years **Furostat** Infant mortality Deaths under 1 year of age per 1000 birhts Eurostat Standardised cancer mortality rates Deaths per 100,000 inhabitants Furostat Standardised heart disease mortality rates Deaths per 100,000 inhabitants Eurostat

**Demography** 

Average total population 1000 inh. Eurostat (regional accounts)

Population growth pro mille (annual average) Eurostat

Natural population changepro mille (annual average)Eurostat, NSOs, DG REGIONet migrationpro mille (annual average)Eurostat, NSOs, DG REGIO

Calculated as the difference between total population change and natural population change

Population aged 0-14 years % of total population Eurostate

Economic velicu and public finance		
Population aged 65+	% of total population	Eurostat
Population aged 15-64	% of total population	Eurostat

Economic po	olicy and	public	finance
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Inflation rate Annual average rate of change in HICPs Eurostat Public deficit/surplus Net lending / net borrowing as a share of GDP **Furostat** Public debt Government gross debt as a share of GDP Eurostat Balance of the current account Current account deficit / surplus as a share of GDP Eurostat Total investment Gross fixed capital formation as a share of GDP Eurostat Net foreign direct investment (inflow) Direct investment in the reporting economy as a Eurostat

share of GDP

Net foreign direct investment (outflow) Direct investment outside the reporting economy, Eurostat

as a share of GDP

Public investment Gross fixed capital formation of General Eurostat

Government as a share of GDP

Long term bond yields in % Eurostat

### **Economic structure**

Employment in Agriculture (NACE A) % of total employment **Furostat** 

A = Agriculture, hunting, forestry and fishing

Employment in Industry (NACE B to E) % of total employment Eurostat

B+C+D+E = Total industry (excluding construction)

Employment in Construction (NACE F) % of total employment Eurostat

F = Construction

Employment in Trade and Transport (NACE G to I) Furostat % of total employment

G+H+I = Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods, hotels and

restaurants; transport, storage and communication

Employment in ICT, Financial and Real Estate Services % of total employment Eurostat

(NACE J to L)

J+K+L = Information and Communication, Financial and insurance, Real Estate activities

Employment in Professional and Administrative Services % of total employment Eurostat

(NACE M+N)

M+N = Professional, scientific and technical, administrative ans support service activities

Employment in Public, Education, Health and Other Eurostat % of total employment

Services (NACE O to U)

O to U: Public administration and defence; compulsory social security, education, human health, social work activities, arts, other

Productivity in Agriculture; GVA (PPS) / Employment Index, EU28 = 100 Eurostat

A = Agriculture, hunting, forestry and fishing

Eurostat Productivity in Industry; GVA (PPS) / Employment Index. EU28 = 100

B+C+D+E = Total industry (excluding construction)

Productivity in Construction; GVA (PPS) / Employment Index, EU28 = 100 Eurostat

F = Construction

Productivity in Trade and Transport; GVA (PPS) / Index. EU28 = 100 Eurostat

Employment

G+H+I = Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods, hotels and

restaurants; transport, storage and communication

Productivity in ICT, Financial and Real Estate Services; Index. EU28 = 100 Eurostat

GVA (PPS) / Employment

J+K+L = Information and Communication, Financial and insurance, Real Estate activities

Productivity in Professional and Administrative Services; Index, EU28 = 100 Eurostat

GVA (PPS) / Employment

M+N = Professional, scientific and technical, administrative ans support service activities

Productivity in Public, Education, Health and Other Index, EU28 = 100 Eurostat

Services; GVA (PPS) / Employment

O to U: Public administration and defence; compulsory social security, education, human health, social work activities, arts, other services

