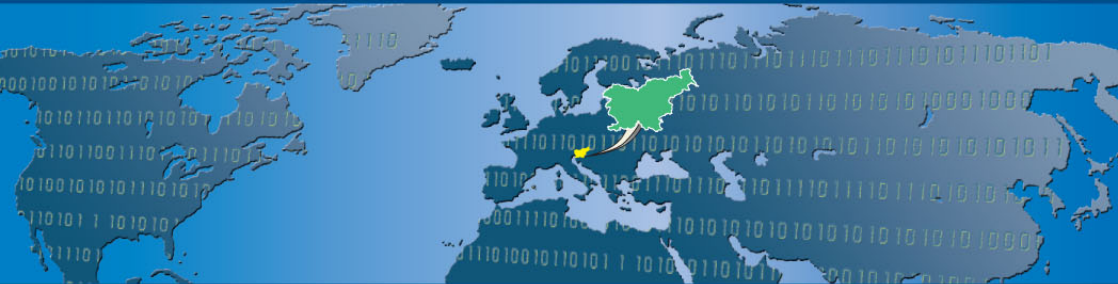




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# The Sustainable Development Indicators for Slovenia

second, updated issue

Ljubljana, November 2010



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second, updated issue

Ljubljana, November 2010

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## Foreword

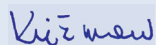
The key milestone in the field of sustainable development was the United Nations conference on environment and development held in 1992 in Rio de Janeiro. There the plan on how to achieve sustainable development in the 21<sup>st</sup> century, Agenda 21, was adopted. Prior to the conference, sustainable development was defined as the »development that meets the needs of the present without compromising the ability of future generations to meet their own needs«. In Rio, however, it was for the first time pointed out that the policies of economic development must necessarily include environmental and social aspects. Since then, researchers, environmental organisations, governments and international agencies have been trying to find the answer to the question: How to measure sustainable development?

There are many sets of indicators for sustainable development in the world today, both at the national and also at the international levels, and they are based on various concepts. Such sets often arise from the need to monitor the implementation of sustainable development strategies.

In the past two years, the understanding of development and sustainability has changed considerably as the narrow vision of development which emphasized only the economic development is lately being superseded by the new criterion of development: general well-being of people. Well-being is namely much more: in addition to material goods, it relates also to health, the environment, social relationships, personal activities, education and culture.

Our aim was to include all these findings in this publication. Moreover, since sustainable development and general well-being cover all aspects of life and living, we wanted, with the help of indicators, to reveal how each of us can contribute to the achievement of our common goals. In this publication indicators are grouped into three sections: Well-being, Balance and modesty and Intergenerational cooperation. According to the group that participated in formulating the set of presented indicators, these objectives are of key importance to sustainable development in Slovenia.

We deliberately did not want to present judgements on the success or failure regarding the implementation of the objectives in specific areas. Yet we encourage you to create your own opinion, also with the help of this publication.



Irena Križman  
Director-General





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## THE SUSTAINABLE DEVELOPMENT INDICATORS FOR SLOVENIA

The idea of establishing a key set of national sustainable development indicators at the Statistical Office of the Republic of Slovenia is not a new one. It was realized under the international project with financial support from Eurostat. One of the aims of the project was to improve the visibility and proper identification of the concept of sustainable development in Slovenia. We want to present the idea of sustainable development with a set of indicators in a non-technical way to the general public.

The first set of sustainable development indicators was formulated at the workshop which was organized by the Statistical Office of the Republic of Slovenia in April 2009. Representatives from the ministries, agencies, research institutes, NGOs and the statistical office participated in this event. Together we tried to find the answers to the questions regarding which are the key areas and key objectives of sustainable development in Slovenia. We formulated the following five key objectives of sustainable development in Slovenia: prosperity, long-term balance, modesty, cooperation and integrity. For each objective target indicators that could measure the progress or suggest what was happening in a given area were proposed.

During further consultation and coordination we linked together and identified key objectives and indicators. The final set of indicators was grouped into three sections: Well-being, Balance and modesty and Intergenerational cooperation. We tried to describe each field through environmental, economic and social aspects.

The first brochure presenting sustainable development indicators for Slovenia was published in May 2010 when mostly data for 2008 were available. The global financial crisis, however, has seriously affected the events and conditions in the world as well as in Slovenia and therefore 2009 greatly differed from the previous years. This is the reason why we decided to publish a new issue of the publication with more recent information.

Since we want to monitor sustainable development in Slovenia, the publication does not cover international comparisons. Only the indicators that were calculated from the latest data available during the preparation of this publication are presented, therefore data for 2009 prevail. Each indicator is presented with a time series, which mostly covers the last three years and also the base years in the past (2000, 2005, etc.).

The main messages shown by indicators are pointed out in coloured frames. The colours illustrate the fields of statistics to which the indicators are classified: the environment and natural resources field is coloured green, economy is violet, and demography and social statistics is orange.

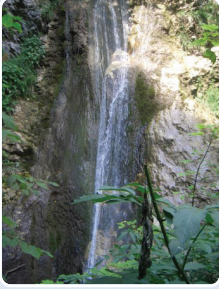


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Photo: Daniel Novaković/STA

# WELL-BEING

When talking about the well-being of people, one must distinguish between the current well-being and the assessment of its sustainability. Well-being namely does not refer only to material goods, but also (or above all) to human welfare, living and relationships. The main themes which must be considered when talking about well-being of people are: the standard of living viewed in a material way, health, education, personal activity including work, voting rights and management, social ties and relations, the environment as well as feeling (un)safe in the material and in the physical sense.

## QUALITY OF NATURAL RESOURCES

»Ambient air pollution by particulate matter  $PM_{10}$  is slowly decreasing.«

»The microbiological quality of drinking water is not improving significantly.«

»The increase in the number of organic farms is slowing down.«

## ECONOMIC GROWTH

»The gross domestic product was increasing steadily until 2008 and decreased in 2009.«

»Average annual available assets of households are increasing.«

## SAFETY

»The average registered unemployment rate was decreasing until 2008 and increased in 2009.«

»Expenditure on social benefits keeps increasing.«

»The number of physicians in out-patient health care is not changing significantly.«

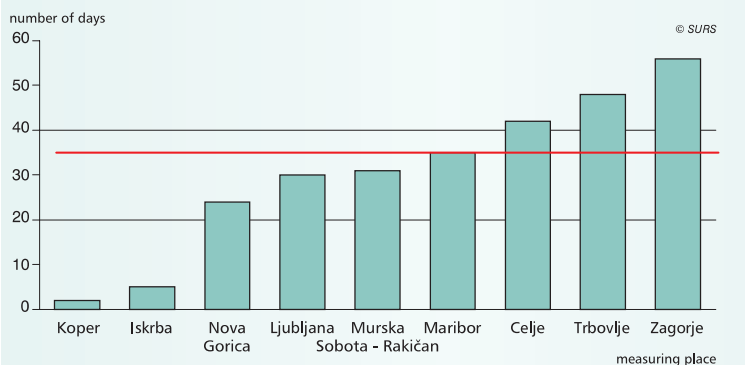
»The number of students slightly increased after it had been decreasing for two years.«

»In 2009, the number of convicted persons decreased for the first time in the reference period.«

## QUALITY OF NATURAL RESOURCES

### AIR QUALITY

**Chart 1: Exceeding the daily concentration limit of particulate matter PM<sub>10</sub><sup>1)</sup>, Slovenia, 2009**



»Ambient air pollution by particulate matter PM<sub>10</sub> is slowly decreasing.«

<sup>1)</sup> The limit of the daily concentration of particulate matter PM<sub>10</sub> (50 µg/m<sup>3</sup>) must not be exceeded more than 35 times per calendar year; the 35-day's limit is marked with a red stripe.

Source: ARSO

**Table 1: Average annual concentrations of particulate matter PM<sub>10</sub><sup>1)</sup>, Slovenia**

	2005	2006	2007	2008	2009
Ljubljana	37	33	32	30	29
Maribor	43	43	40	34	30
Celje	43	35	32	30	31
Murska Sobota - Rakičan	37	34	30	30	29
Koper	...	31	29	25	24
Nova Gorica	34	34	33	31	28
Trbovlje	55	40	37	38	33
Zagorje	52	46	41	43	36
Iskrba	16	14	15	16	16

... not available

<sup>1)</sup> The annual threshold value of particulate matter concentration is 40 µg/m<sup>3</sup>.

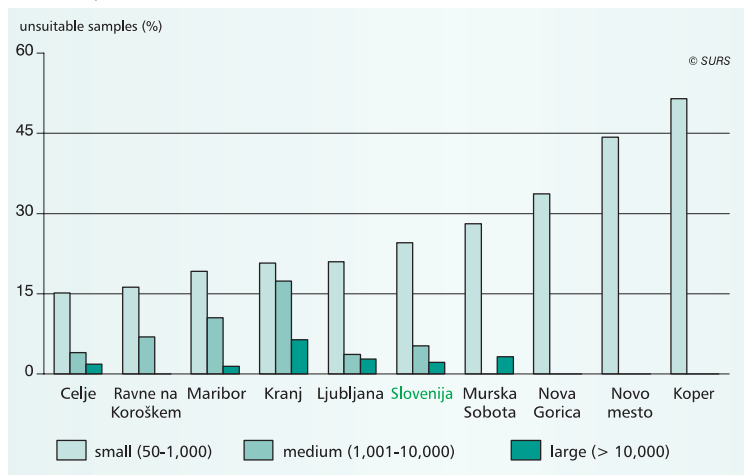
Source: ARSO

■ The highest particulate matter concentration levels occur in urban areas, which are affected by traffic and industry. Increased concentrations of these particles occur primarily during the winter when the pollutants accumulate in the basins due to the temperature inversion and the impact of individual fireplaces.

■ Ambient air pollution levels for particulate matter PM<sub>10</sub> decreased in the 2005-2009 period. In 2009, the annual threshold value in the shown measuring places was not exceeded, but there were some measuring places with exceeded maximum number of days with the exceed the daily threshold value of particulate matter PM<sub>10</sub>. The daily threshold value of PM<sub>10</sub> was most often exceeded in Zagorje (56 days) and Trbovlje (48 days).

## QUALITY OF NATURAL RESOURCES

## DRINKING WATER QUALITY

**Chart 2: Faecal contamination of drinking water with E.coli by size class of water supply systems and by regional institutes of public health, Slovenia, 2007**

»The microbiological quality of drinking water is not improving significantly.«

Source: IVZ

**Table 2: Faecal contamination of drinking water with E.coli, Slovenia**

Water supply systems	unsuitable samples (%)			
	2004	2005	2006	2007
Small (50–1,000 population)	29.0	28.0	24.1	24.5
Medium (1,001–10,000 population)	6.7	5.8	4.6	5.3
Large (> 10,000 population)	2.6	1.7	0.4	2.1

Source: IVZ

■ During the 2004–2007 period the level of pollution of drinking water due to the presence of E.coli did not improve significantly. The trend of diminishing the faecal contamination is favourable only in medium and large water supply systems. The decrease in the share of unsuitable samples in small water supply systems was the result of the decrease in the number of samples taken in 2006 and 2007.

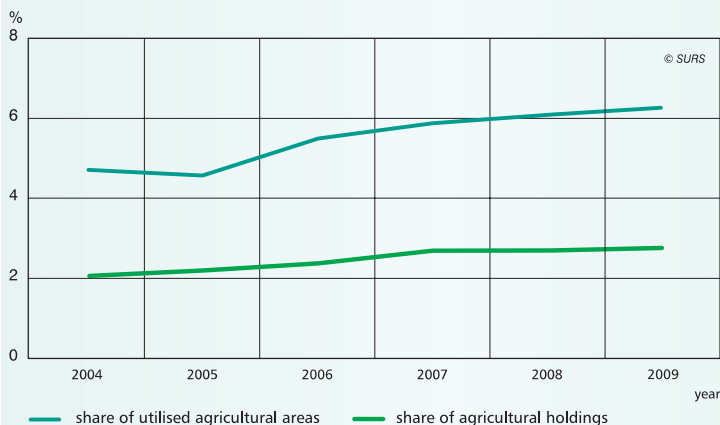
■ In 2007 the share of unsuitable samples due to E.coli depended on the size class of the water supply systems. Most of the unsuitable samples occurred in the small water supply systems (supplying from 50 to 1,000 people), namely almost 25%.

■ Small water supply systems were subject to the largest faecal contamination, particularly those in the west and south of Slovenia (i.e. areas of the Institutes of Public Health of Koper, Nova Gorica and Novo mesto). These small water supply systems also proved to be especially problematic, as in most cases these systems are not managed properly, the resources and equipment are poorly maintained and they have no specific water protection zones.

## QUALITY OF NATURAL RESOURCES

## ORGANIC FARMING

**Chart 3: Agricultural holdings<sup>1)</sup> with organic farming or in conversion, and utilised agricultural areas with organic farming or in conversion, Slovenia**



»The increase in the number of organic farms is slowing down.«

<sup>1)</sup> Data on the number of agricultural holdings are available only for 2003, 2005, 2007 (from the Farm Structure Survey) and 2010 (from the Agricultural Census). Therefore in the calculation of the share of holdings with organic farming or in conversion in the interim years the number of agricultural holdings of the previous year was used.

Sources: SORS, MKGP

**Table 3: Agricultural holdings with organic farming or in conversion, and utilised agricultural areas with organic farming or in conversion, Slovenia**

	2005	2006	2007	2008	2009
<b>Agricultural holdings</b>					
with organic farming	1,220	1,393	1,610	1,789	1,853
in conversion	498	483	390	278	243
<b>Utilised agricultural areas (ha)</b>					
with organic farming	15,991	20,151	23,560	26,125	25,816
in conversion	7,178	6,680	5,762	3,711	3,572

Source: MKGP

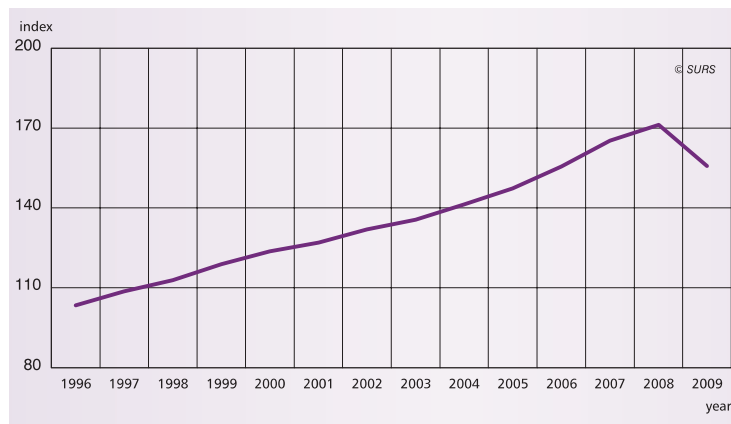
■ The number of agricultural holdings with organic farming was increasing constantly in the 2005-2009 period. On the other hand, the number of newly registered agricultural holdings in conversion was decreasing. In 2009, there were almost 4% more agricultural holdings with organic farming than in 2008.

■ In 2009, utilised agricultural areas with organic farming were around 1% smaller than in 2008. Utilised agricultural areas with organic farming increased by over 61% in the 2005-2009 period, even though among total utilised agricultural areas this share remained low. Together with utilised agricultural areas in conversion, it represented about 6% of total utilised agricultural areas. The largest share of utilised agricultural areas with organic farming was represented by grassland and pastures (almost 88%).

## ECONOMIC GROWTH

### GROSS DOMESTIC PRODUCT

**Chart 4: Real GDP growth per capita, 1995=100, Slovenia**



»The gross domestic product was increasing steadily until 2008 and decreased in 2009.«

Source: SORS

**Table 4: GDP at current prices, Slovenia**

	2000	2005	2007	2008	2009
GDP at current prices	21.6	28.8	34.6	37.3	35.4

mrd. EUR

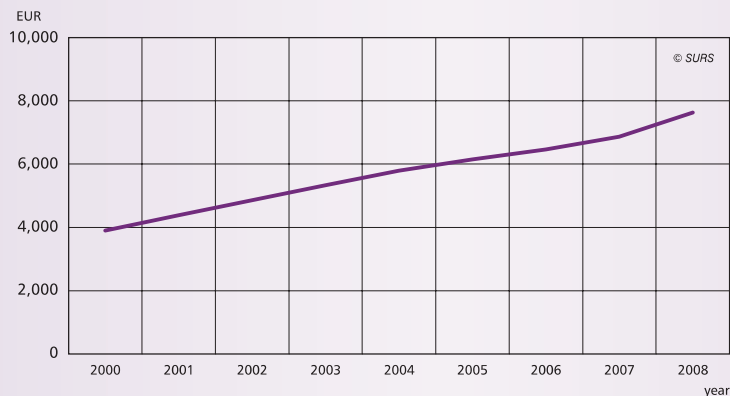
Source: SORS

- GDP, which measures the incomes and expenditure of the domestic economy, showed economic growth until 2008, which was followed by a downturn in 2009.
- GDP at current prices was increasing steadily during the 2000-2008 period. In 2009, however, it decreased to around EUR 35 billion and was in nominal terms around 5% lower than in 2008.
- The real GDP growth per capita also remained positive until 2008. Real GDP per capita increased by about 70% between 1995 and 2008. In 2009 it was 9% lower than in the previous year.



## ECONOMIC GROWTH

## HOUSEHOLD INCOME

**Chart 5: Average annual available assets of households per household member, Slovenia**

»Average annual available assets of households are increasing.«

Source: SORS

**Table 5: Average annual available assets of households, Slovenia**

	2000	2005	2006	2007	2008
Average annual available assets of households	12	16	17	18	20

1000 EUR

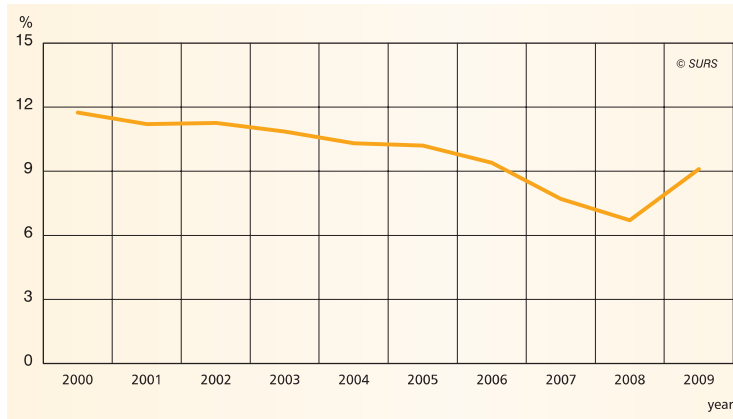
Source: SORS

- Available assets (income in cash) within a household are all available financial assets that a household has at its disposal in the reference period.
- In the 2000-2008 period, the amount of these assets was increasing steadily. This increase amounted to almost 70%. In 2008, average annual available assets of households amounted to approximately EUR 20,000 or on average to about EUR 7,600 per household member.
- In 2008, the highest shares of all money assets available to households were those of incomes from work under employment (over 55%) and pensions with supplements (almost 22%). The remaining shares were incomes from self-employment, other social incomes and family allowances, receipts from sale and other receipts.

## SAFETY

## LABOUR FORCE

Chart 6: The average registered unemployment rate, Slovenia



»The average registered unemployment rate was decreasing until 2008 and increased in 2009.«

Source: SORS

Table 6: Persons in employment, Slovenia

	2000	2005	2007	2008	2009
Persons in employment	801	813	854	879	858

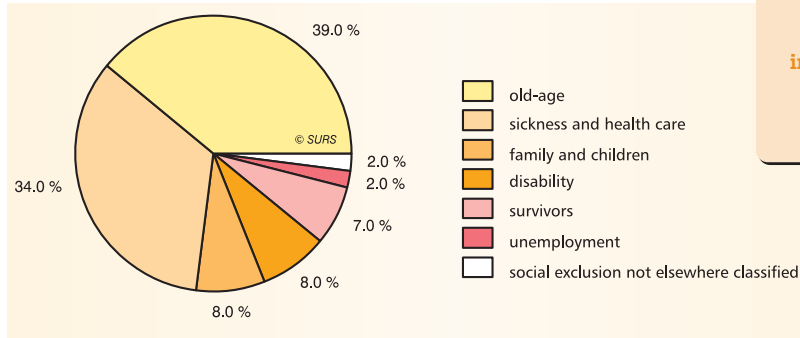
Source: SORS

■ The number of persons in employment, i.e. persons in paid employment and self-employed persons, was in the 2000-2009 period fluctuating on the monthly basis, but on average the number kept increasing until 2008, when it started to decrease. In 2009 there were about 858,000 persons in employment in Slovenia, which was 2.4% less than in the previous year.

■ The unemployment rate, which shows the share of registered unemployed persons among the labour force, was also fluctuating on the monthly basis. The highest average registered unemployment rate in the 2000-2009 period was recorded in 2000 when it started to decrease until 2009 when it started to increase. In 2009, the average annual registered unemployment rate was over 9% (over 8% for men and over 10% for women). In the same year, the average annual registered unemployment rate was 2.4 percentage points higher than in 2008 and 2.7 percentage points lower than in 2000. During the 2000-2009 period, the lowest registered unemployment rate was recorded in September 2008, when it was slightly above 6%.

## SAFETY

## ACCESS TO SOCIAL PROTECTION

**Chart 7: Expenditure on social benefits by social protection function (risk), Slovenia, 2008<sup>1)</sup>**

»Expenditure on social benefits keeps increasing.«

<sup>1)</sup> Provisional data.

Source: SORS

**Table 7: Expenditure on social benefits, Slovenia**

	2000	2005	2006	2007	2008 <sup>1)</sup>
Expenditure on social benefits	4.4	6.5	6.9	7.2	7.8

mrd. EUR

<sup>1)</sup> Provisional data.

Source: SORS

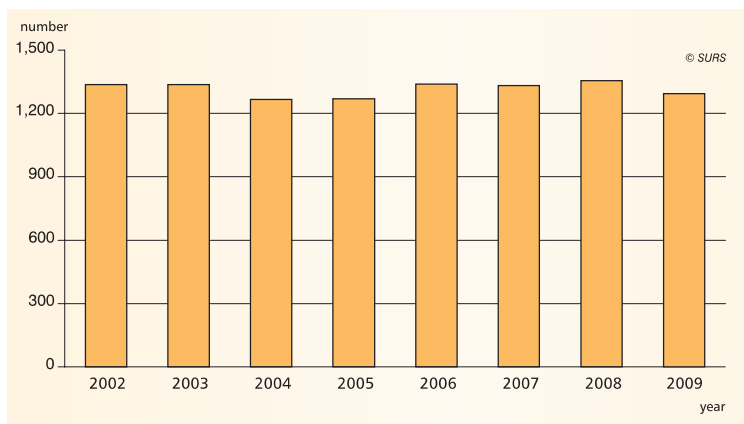
■ Expenditure on social benefits was increasing constantly in the 2000-2009 period. In 2008 the means for social protection increased by almost 9% over the previous year and were around 79% higher than in 2000.

■ In 2008, the largest amount of means was earmarked for the old age function (over 38%), consisting of old-age pensions and disability pensions and provision of goods and services to the elderly. These benefits were followed by those for the sickness and health care function (almost 34%) consisting of compensation in the case of sick leave, health care and pharmaceutical products.

## SAFETY

## ACCESS TO HEALTH CARE

Chart 8: People per physician in out-patient health care, Slovenia



»The number of physicians in out-patient health care is not changing significantly.«

Source: IVZ

Table 8: Physicians<sup>1)</sup> in out-patient health care, Slovenia

	2000	2005	2007	2008	2009
Physicians	1,493	1,577	1,516	1,505	1,569

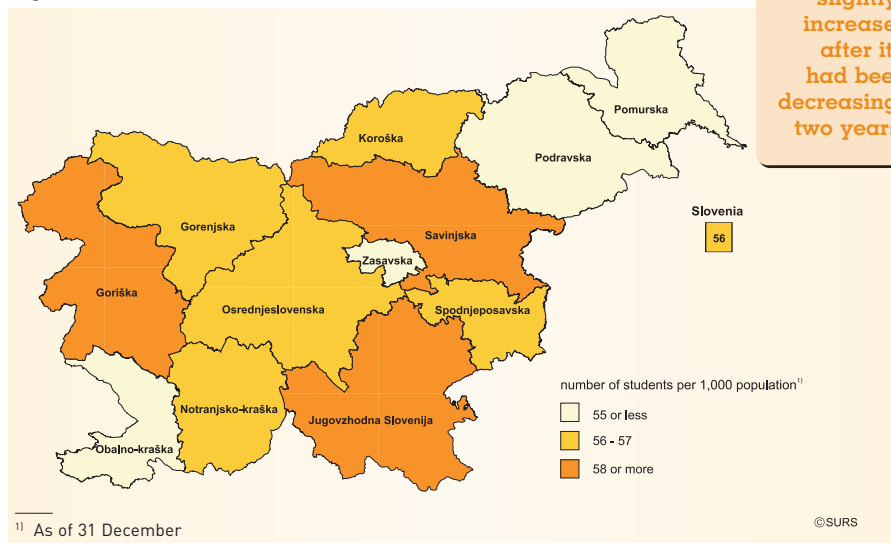
<sup>1)</sup> Full-time equivalent.

Source: IVZ

- During the 2000-2009 period, the number of physicians in out-patient health care, which is divided into the primary and secondary levels, was fluctuating. In total, however, it increased by about 5%.
- In 2009, health care at primary level was performed mainly by general practitioners (over 61%), physicians for preschool children (just under 10%) and physicians for school children and youth (just over 10%).
- The number of people per physician was also fluctuating. On average, in 2009 a physician in out-patient health care provided his or her services to 1,302 people.

## SAFETY

## ACCESS TO EDUCATION

**Map 1: Students in tertiary education per 1,000 population, statistical regions, Slovenia, 2009**

»The number of students slightly increased after it had been decreasing for two years.«

Source: SORS

**Table 9: The number of students in tertiary education per 1,000 population, Slovenia**

	per 1000 population				
	2000/01	2005/06	2007/08	2008/09	2009/10
Students in tertiary education	46	57	57	56	56

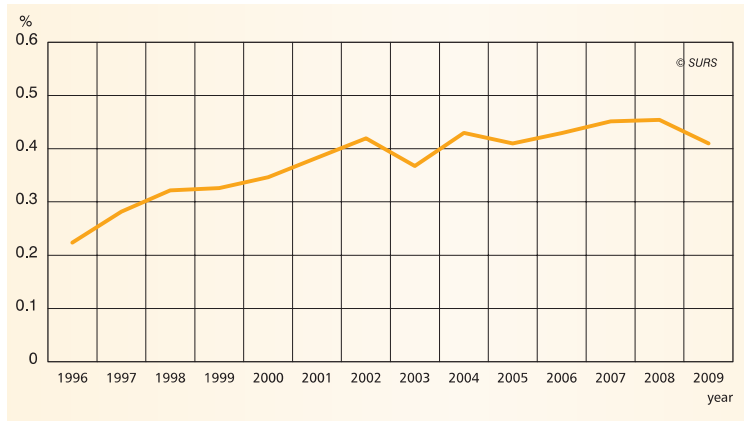
Source: SORS

- The number of students enrolled in tertiary education in the 2000-2009 period increased by almost 26%. In 2009, after two years of decreasing, their number increased slightly (by 0.4%).
- In the academic year 2009/10, almost 115,000 students were enrolled in tertiary education, which is 56 students per 1,000 population. Of all students enrolled in tertiary education, almost 86% were studying at universities and single higher education institutions, and over 14% at vocational colleges. 70% of students studied full time, of whom 41% were men and 59% were women. Others studied part time; among them 56% were men and 44% were women.
- The highest number of students per 1,000 population in 2009 was recorded in the Goriška region, followed by Jugovzhodna Slovenija and the Savinjska region; the lowest number was recorded in the Pomurska region.

## SAFETY

## CRIME

Chart 9: Convicted persons in total population, Slovenia



»In 2009, the number of convicted persons decreased for the first time in the reference period.«

Source: SORS

Table 10: People convicted at general jurisdiction courts, Slovenia

	2000	2005	2007	2008	2009
Adults	6,304	7,718	8,685	8,739	8,035
Juveniles	591	498	459	489	418

Source: SORS

- In the 2000-2009 period the number of convicted adults showed an upward trend, while the number of convicted juveniles remained at the same level.
- In 2009, criminal proceedings against 15,705 adults and 737 juveniles were concluded at regional and district courts. 8,035 adults (51%) were convicted and 418 juveniles (57%) were imposed an educational measure or a sentence.
- The most frequent criminal offences among adult perpetrators were larceny (almost 14% of the convictions), grand larceny (over 10%) and fraud (nearly 9%). As regards juvenile perpetrators, most measures or sentences were imposed for grand larceny (around 21%), larceny (over 15%) and simple assault (over 9%).
- In 2009 the most frequently imposed sentence among adults was a prison sentence (almost 94%), followed by a fine (almost 5%). The majority of juvenile perpetrators were given the sentence of supervision by a social assistance authority, namely in almost 51% of cases.



Photo: [www.siol.net/trendi/zdravje/2008/03/dominor.aspx](http://www.siol.net/trendi/zdravje/2008/03/dominor.aspx)



Photo: Sokol



Photo: Daniel Novakovič/STA



Photo: Daniel Novakovič/STA



Photo: Sokol



Photo: Daniel Novakovič/STA



Photo: Sokol



Photo: Sokol



Photo: Daniel Novakovič/STA

# BALANCE AND MODESTY

In order to maintain long-term balance it is necessary to already at present achieve balance between the needs of humanity and the capacity of nature, taking into account modesty and awareness of the limits of available resources such as water, food and energy. Investments in research and development and promoting innovations can contribute to such technological development that will enable low consumption of natural resources. And last but not least, gender equality and fair distribution of resources should also be mentioned.

## NATURAL RESOURCES

»The share of renewables in final energy consumption increased in the past year.«

»Water consumption in households has been slightly decreasing.«

»The amount of food waste in municipal waste is increasing.«

»The number of passenger cars up, the number of passengers in public road passenger transport substantially down.«

## RESEARCH AND DEVELOPMENT

»Funds for research and development in the business sector are increasing.«

## POPULATION, GENDER EQUALITY AND POVERTY

»Natural increase has been positive in the recent years.«

»The difference between gross earnings of men and gross earnings of women diminished in the past year.«

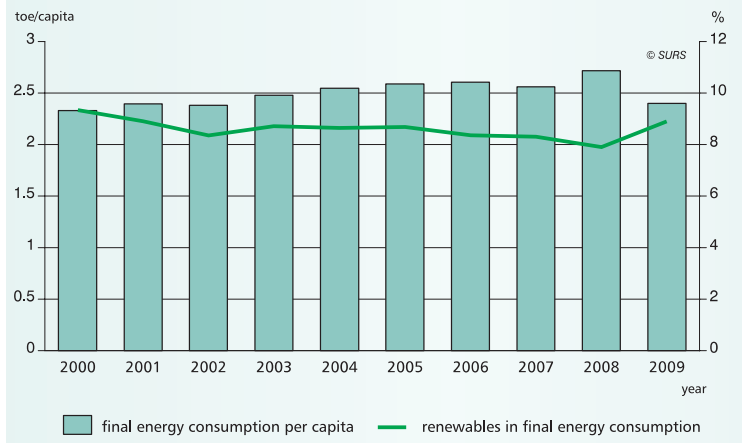
»At-risk-of-poverty rate is the highest among women aged 65+.«



## NATURAL RESOURCES

### ENERGY CONSUMPTION

**Chart 10: Final energy consumption per capita and share of renewables in final energy consumption, Slovenia**



The share of renewables in final energy consumption increased in the past year.«

Source: SORS

**Table 11: Renewables in final energy consumption, Slovenia**

	2000	2005	2007	2008	2009
<b>Final consumption - TOTAL</b>	<b>4,638</b>	<b>5,182</b>	<b>5,189</b>	<b>5,519</b>	<b>4,891</b>
renewables and waste	433	450	432	437	434

1000 toe

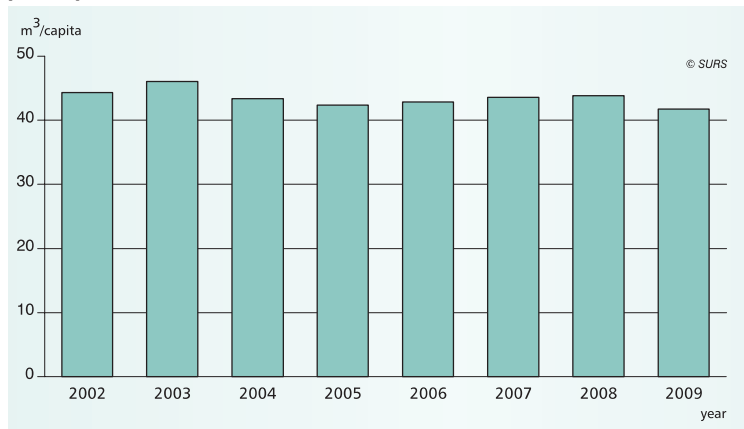
Source: SORS

- Between 2002 and 2008 the final energy consumption in Slovenia showed an upward trend. In 2009 the final energy consumption decreased by 11% over the previous year.
- The share of renewable energy resources (including waste) in final energy consumption has been decreasing in the recent years. In 2009 it represented almost 9% (75% of this share was represented by the consumption of biomass in households).

## NATURAL RESOURCES

## WATER CONSUMPTION FROM PUBLIC WATER SUPPLY

Chart 11: Water supplied from public water supply, in households per capita, Slovenia



»Water consumption in households has been slightly decreasing.«

Source: SORS

Table 12: Water supplied from public water supply, Slovenia

	2005	2006	2007	2008	2009
<b>Water supplied from public water supply – TOTAL</b>	<b>165</b>	<b>168</b>	<b>171</b>	<b>169</b>	<b>167</b>
to households	85	86	88	89	85

Source: SORS

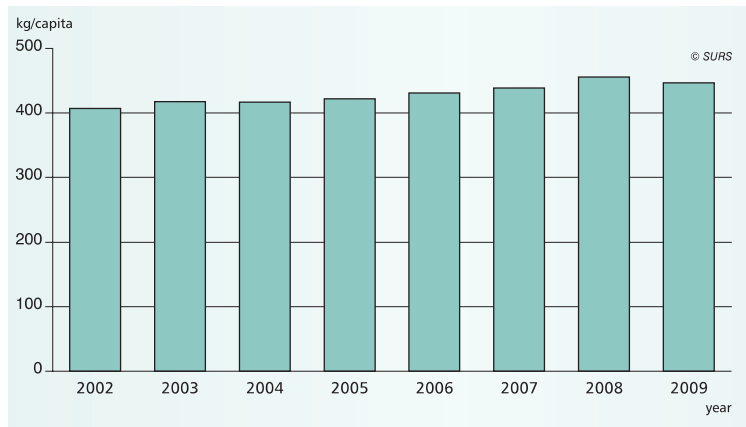
■ During the 2005–2009 period, consumption of water from public water supply was increasing until 2007, then it started to decrease. In 2009, around 167 million m<sup>3</sup> of water were supplied from the public water supply system, which was over 1% less than in the previous year.

■ In the past year, water consumption in households slightly decreased. In 2009, households used over 85 million m<sup>3</sup> of water or 41.8 m<sup>3</sup> per capita, which was 114.5 litres per day.

## NATURAL RESOURCES

## MUNICIPAL AND FOOD WASTE GENERATION

Chart 12: Municipal waste generated per capita, Slovenia



»The amount of food waste in municipal waste is increasing.«

Source: SORS

Table 13: Municipal waste generated, Slovenia

	2005	2006	2007	2008	2009
<b>Municipal waste generated – TOTAL</b>	<b>845</b>	<b>866</b>	<b>886</b>	<b>923</b>	<b>913</b>
biodegradable kitchen waste, edible oils and grease	19	23	21	33	40

1000 t

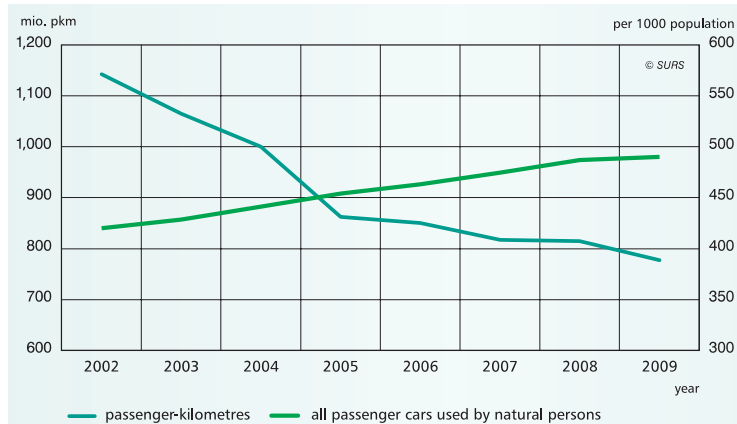
Source: SORS

- During the 2005-2008 period the amount of municipal waste increased while in 2009 it decreased.
- In 2009, almost 913,000 tonnes of municipal waste (or 447 kg per capita) were generated, which was over 1% less than in the previous year and over 8% more than in 2005.
- Compared to the base year, the amounts of biodegradable kitchen waste, edible oils and grease increased considerably. In 2009, almost 40,000 tonnes of food waste were generated, which was 21% more than in 2008 and 2-times more than in 2005. In 2009, food waste represented over 4% of all municipal waste.

## NATURAL RESOURCES

## PASSENGER TRANSPORT

**Chart 13: Passenger cars used by natural persons per 1,000 population and passenger-kilometres in public road passenger transport, Slovenia**



Sources: SORS, MNZ

**Table 14: Passenger cars used by natural persons and passengers carried in public road passenger transport, Slovenia**

	1000				
	2005	2006	2007	2008	2009
Passenger cars used by natural persons	910	931	962	989	1,003
Passengers carried in public road passenger transport (without urban passenger transport)	39,759	37,964	38,532	38,751	36,720

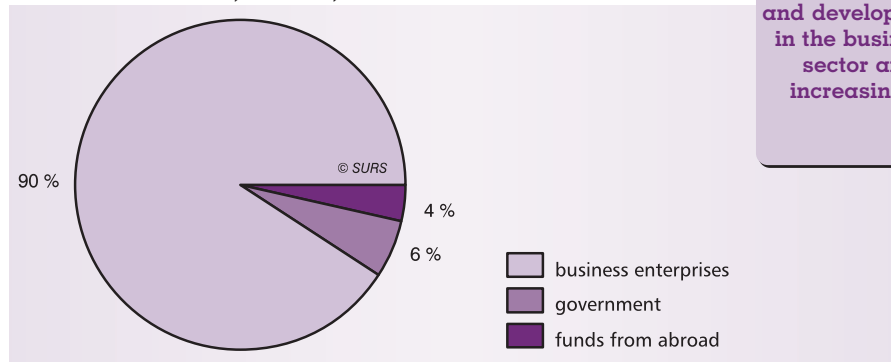
Sources: SORS, MNZ

- In the 2005-2009 period the number of cars used by natural persons increased by more than 10%. At the end of 2009 there were 490 registered passenger cars used by natural persons per 1,000 population.
- In the 2005-2009 period the number of passengers in public road passenger transport decreased by almost 8%. The number of passengers was decreasing until 2006, when it slowly began to increase until 2009 when it decreased again. In 2009 almost 37 million passengers were carried in road public transport, which was over 5% less than in 2008.
- In the 2002-2009 period, the number of passenger-kilometres decreased by over 32%. The decrease was most intensive until 2005, and then it slowed down. In 2009 almost 775 million passenger-kilometres were made, which was almost 5% less than in the previous year.

## RESEARCH AND DEVELOPMENT

### EXPENDITURE ON DEVELOPMENT

**Chart 14: Sources of funds for research and development in the business sector, Slovenia, 2008**



»Funds for research and development in the business sector are increasing.«

Source: SORS

**Table 15: Gross domestic expenditure on research and development in the business sector, Slovenia**

	2000	2005	2006	2007	2008
Expenditure on research and development	144	243	291	299	398

mio. EUR

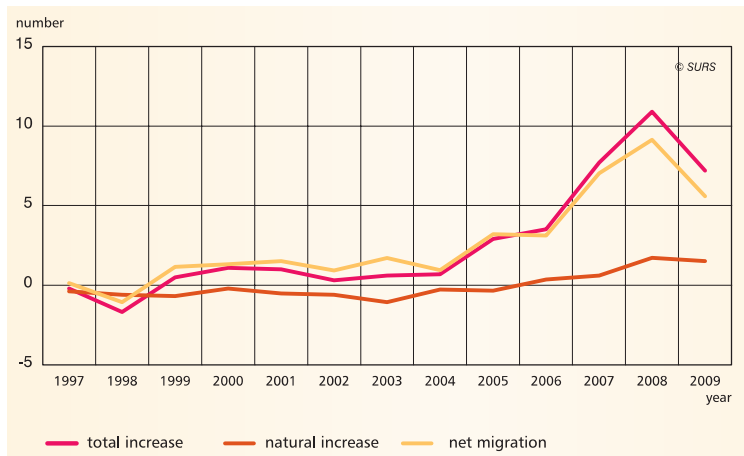
Source: SORS

- Expenditure on research and development in the business sector was increasing in the 2000-2008 period. In 2008, expenditure was in nominal terms almost 176% higher than in the base year.
- In 2008, EUR 617 million were spent in Slovenia on research and development in all sectors, which was 23% more than in the previous year. The increase was the largest in the business sector. In 2008 almost EUR 400 million were spent in this sector, which was 33% more than in 2007.
- In 2008, 90% of funds for research and development in the business sector were contributed by business enterprises, almost 6% were contributed by the government, almost 4% of funds were those from abroad and less than 0.5% from private non-profit organisations.

## POPULATION, GENDER EQUALITY AND POVERTY

### TOTAL INCREASE OF POPULATION

Chart 15: Increase of population per 1,000 population, Slovenia



»Natural increase has been positive in the recent years.«

Sources: SORS, MNZ

Table 16: Increase of population, Slovenia

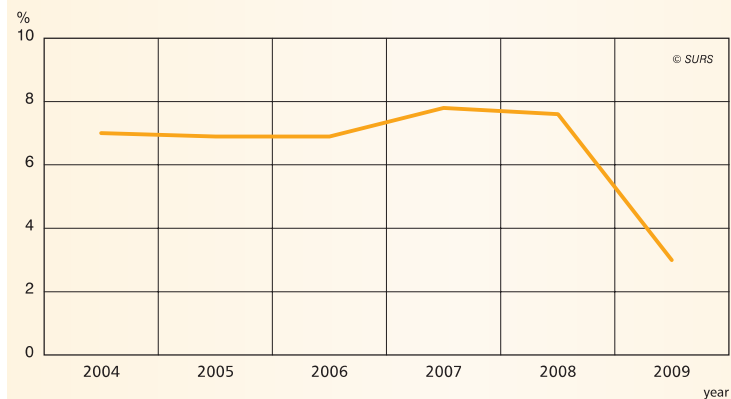
	2000	2005	2007	2008	2009
Total increase	2,207	5,768	15,489	22,093	14,614
Natural increase	-408	-668	1,239	3,509	3,106
Net migration	2,615	6,436	14,250	18,584	11,508

Sources: SORS, MNZ

- The total increase of population in Slovenia was always positive during the 2000-2009 period.
- Until 2005 the total increase of population was positive mainly due to positive net migration (the natural increase was negative until then). Even though the natural increase began its slow rise until 2008, net migration still represented the largest share in the total increase of population. In 2009 natural decrease at annual level was recorded.
- Net migration was positive primarily due to immigration of foreigners. In 2009, for instance, more than 27,000 people with foreign citizenship immigrated to Slovenia, while over 15,000 people with foreign citizenship emigrated from Slovenia, which was twice as many as in the previous year. Among the immigrant population younger men prevailed.

## POPULATION, GENDER EQUALITY AND POVERTY

## EARNINGS OF MEN AND WOMEN

**Chart 16: Difference between average gross earnings of men and average gross earnings of women, Slovenia – provisional data**

»The difference between gross earnings of men and gross earnings of women diminished in the past year.«

Source: SORS

**Table 17: Average monthly gross earnings, Slovenia – provisional data**

	EUR				
	2005	2006	2007	2008	2009
Average monthly gross earnings of men	1,216	1,284	1,370	1,481	1,499
Average monthly gross earnings of women	1,132	1,196	1,263	1,369	1,454

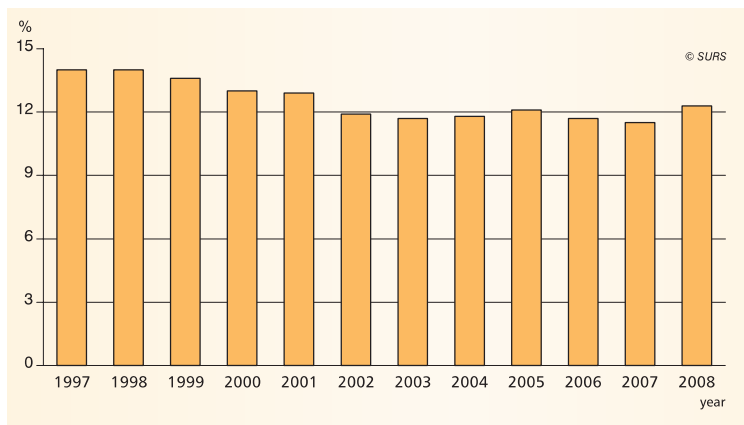
Source: SORS

- The ratio of average gross earnings of men and women did not change significantly in the 2005-2008 period. Namely, women were receiving on average about 7% lower gross earnings. In 2009, that gap decreased by 4.6 percentage points; namely the average monthly gross earnings of women reached almost 97% of those of men.
- In 2009 the average annual gross earnings of men calculated at monthly level amounted to EUR 1,499, while the average annual gross earnings of women calculated at monthly level amounted to EUR 1,454.
- In 2009, the difference between the gross earnings of men and women was the highest in the activity human health and social work and it was by around 30% in favour of men. The difference between male and female earnings was the lowest in real estate activities, by over 7% in favour of men. In 2009, women had higher gross earnings than men in construction (by over 26%), in water supply, sewerage, waste management and remediation activities (by almost 16%) and in transportation and storage (by almost 11%).

## POPULATION, GENDER EQUALITY AND POVERTY

## AT-RISK-OF-POVERTY RATE

Chart 17: At-risk-of-poverty rate (income in cash), Slovenia



»At-risk-of-poverty rate is the highest among women aged 65+.«

Source: SORS

Table 18: At-risk-of-poverty rate (income in cash), Slovenia, 2008

	0-17 years		18-64 years		65+	
	men	women	men	women	men	women
Income in cash	11	13	11	10	12	28

Source: SORS

■ In 2008 the at-risk-of-poverty rate was 0.8 of a percentage point higher than in the previous year and it amounted to 12%. This means that 12% of people in Slovenia lived below the at-risk-of-poverty threshold. The monthly at-risk-of-poverty threshold for a one-member household was EUR 545.

■ Had the social transfers (family and social benefits) not been considered as income, the at-risk-of-poverty rate would have almost doubled and amounted to 23%. By subtracting pensions from income, the at-risk-of-poverty rate would have increased to as much as 39%. It would have increased in all age groups, the most in case of people over the age of 65 for whom it would have risen to 85%.





Photo: Daniel Novakovič/STA



Photo: SURS



Photo: Stanko Gruden/STA



Photo: Sokol



Photo: Daniel Novakovič/STA

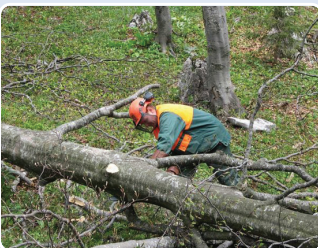


Photo: Sokol

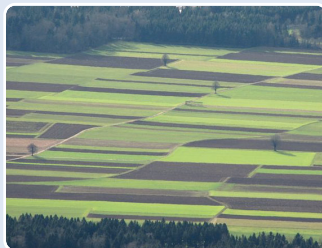


Photo: Sokol

# INTERGENERATIONAL COOPERATION

The most important question regarding intergenerational solidarity and cooperation is: What are we going to leave behind for our children – in environmental, material and social terms? Scarcity of natural resources is a fact and the intensity of exploitation is our choice.

Intergenerational solidarity means sharing of material goods and burdens among generations and also creating opportunities to provide decent living conditions.

## INTENSITY OF USE OF NATURAL RESOURCES

»Energy intensity is decreasing.«

»Greenhouse gas emissions are increasing.«

»Consumption of mineral fertilizers in agriculture is decreasing.«

»The intensity of wood removals slightly decreased in the past year.«

## GOVERNMENT DEBT

»General government debt is increasing.«

## CARE FOR ALL GENERATIONS

»The total age dependency ratio has been increasing in recent years.«

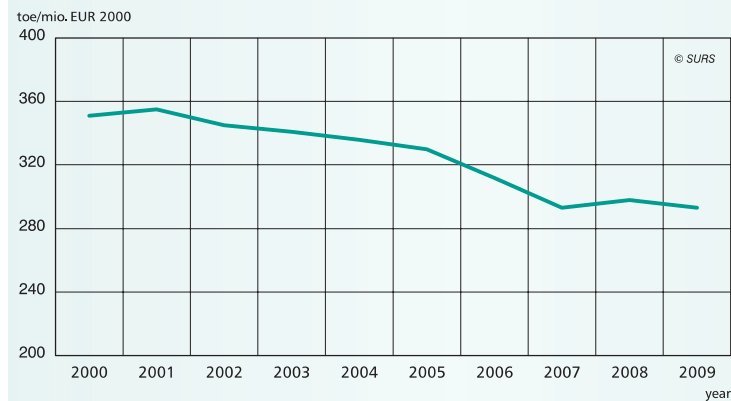
»The share of children in kindergartens is constantly increasing.«

»The number of people in old people's homes is increasing.«

## INTENSITY OF USE OF NATURAL RESOURCES

### ENERGY INTENSITY

**Chart 18: Energy intensity – primary energy supply/GDP, constant 2000 prices, Slovenia**



Source: SORS

**Table 19: Total primary energy supply, Slovenia**

	2000	2005	2007	2008	2009
Total primary energy supply	6,487	7,307	7,336	7,749	6,990

1000 toe

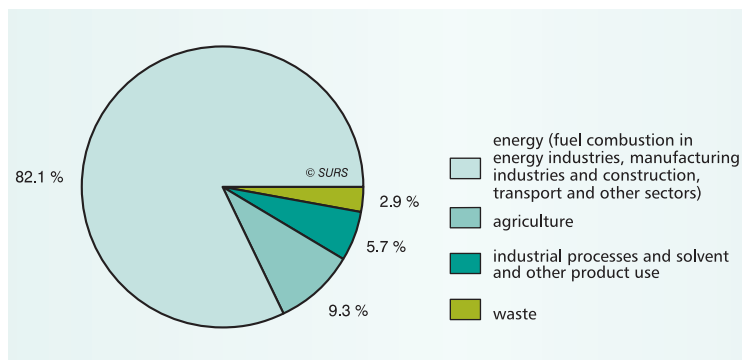
Source: SORS

- Slovenia has relatively high energy intensity. Nevertheless, in view of primary energy supply it has been declining since 2001. In total, in the 2000-2009 period, it decreased by almost 17%. In 2009 it amounted to 293 toe/mio. EUR (measured at constant 2000 prices), which was 2% less than in 2008.
- Total energy supply was increasing steadily over the 2000-2008 period, but it decreased in 2009 when it amounted to almost 7 million toe, which was 10% less than in 2008.

## INTENSITY OF USE OF NATURAL RESOURCES

## GREENHOUSE GAS EMISSIONS

Chart 19: Sources of greenhouse gas emissions, Slovenia, 2008



»Greenhouse gas emissions are increasing.«

Source: ARSO

Table 20: Greenhouse gas emissions, Slovenia

	1986	2005	2006	2007	2008
<b>Greenhouse gas emissions - TOTAL</b>	20,228	20,217	20,445	20,571	21,285
CO <sub>2</sub> without LUCF	16,287	16,626	16,806	16,930	17,900
methane (CH <sub>4</sub> )	2,263	2,161	2,215	2,190	2,071
nitrous oxide (N <sub>2</sub> O)	1,391	1,207	1,229	1,228	1,157
F-gases (HFCs, PFCs, SF <sub>6</sub> )	286	230	232	224	158

Source: ARSO

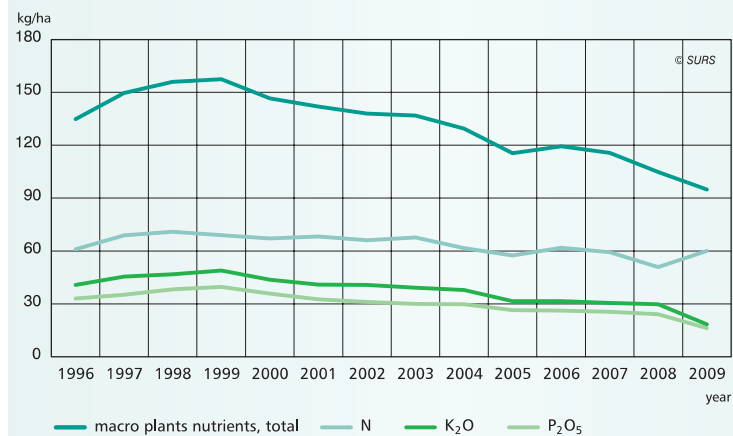
■ Slovenia ratified the Kyoto Protocol and committed itself to reducing the quantity of greenhouse gas emissions until 2012 by 8% compared to the base year (1986). However, in the 1986-2008 period, in Slovenia these emissions increased by 5.2%. In 2008 greenhouse gas emissions amounted to 21,285 Gg in CO<sub>2</sub> equivalents, which was 3.5% more than in the previous year.

■ In 2008, the largest contributor to the emissions of greenhouse gases was carbon dioxide - CO<sub>2</sub> (over 84%), which results mainly from fuel combustion, followed by methane - CH<sub>4</sub> (almost 10%), mostly deriving from waste and agriculture, and nitrogen dioxide - N<sub>2</sub>O (over 6%), mostly deriving from agriculture and transport. At the end were the emissions of hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF<sub>6</sub>), which were very small (0.8%), but due to their high greenhouse gas potential, their contribution to global warming was significant.

■ The highest share of these gases was released into the atmosphere from the field of energy, which includes fuel combustion in energy industries, manufacturing industries and construction, transport and other sectors (82%), followed by agriculture (9%), industrial processes (6%) and wastes (3%).

## INTENSITY OF USE OF NATURAL RESOURCES

## CONSUMPTION OF MINERAL FERTILISERS IN AGRICULTURE

**Chart 20: Consumption of macro plant nutrients in agriculture per hectare of utilised agricultural area, Slovenia**

»Consumption of mineral fertilizers in agriculture is decreasing.«

Source: SORS

**Table 21: Consumption of mineral fertilizers and macro plant nutrients in agriculture, Slovenia**

	2000	2005	2007	2008	2009
Mineral fertilizers	174	150	150	135	119
Macro plant nutrients (N, P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O)	75	59	58	52	44

1000 t

Source: SORS

■ In 2009 the agricultural producers used around 119,000 tons of mineral fertilizers, which was almost 12% less than in 2008. These fertilizers contained around 44,000 tons of macro plant nutrients (N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O), which was almost 14% less than in 2008. From 2000 onwards the usage of macro plant nutrients decreased by over 40%.

■ In 2009 the average consumption of macro plant nutrients per hectare of utilised agricultural area was 95 kg or almost 10% less than in 2008. The consumption of the nitrogen plant nutrient (N) increased (by 18%), while the consumption of phosphorus plant nutrient (P<sub>2</sub>O<sub>5</sub>) decreased by 33% and that of potassium plant nutrient (K<sub>2</sub>O) by 39%.

## INTENSITY OF USE OF NATURAL RESOURCES

## INTENSITY OF WOOD REMOVALS

Chart 21: Intensity of wood removals, Slovenia



»The intensity of wood removals slightly decreased in the past year.«

Sources: Slovenian Forest Service, SORS

Table 22: Annual increment and removals of wood, Slovenia

	2000	2005	2007	2008	2009
Increment	6.9	7.6	7.8	7.9	8.0
Removals	2.6	3.2	3.2	3.4	3.4

mio. m<sup>3</sup>

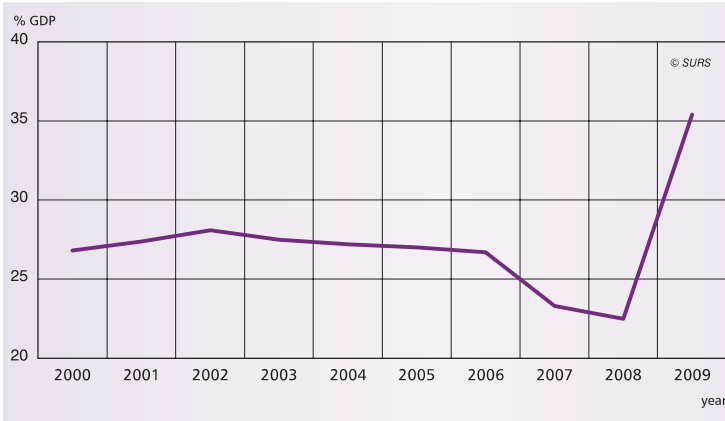
Sources: Slovenian Forest Service, SORS

- Areas covered with forest are increasing steadily in Slovenia. According to the Slovenian Forest Service, in 2009 forests covered 58.5% of the territory of Slovenia.
- The increase in forest areas also increases the increment of wood. In 2009, the natural increment was nearly 8 million m<sup>3</sup> of wood, which was 1.5% more than in the previous year or over 16% more than in 2000.
- Removals of wood in 2009 amounted to over 3 million m<sup>3</sup> of wood, which was 1.5% less than in 2008 and over 29% more than in 2000.
- Faster growth of removals than of increment is shown in higher intensity of wood removals, which shows the relation between increment and removals. The intensity of wood removals was changing through years and it was the highest in 2006 when it amounted to almost 49%. In 2009 it amounted to over 42%, which was 1.3 percentage points less than in 2008.

## GOVERNMENT DEBT

### GOVERNMENT DEBT

**Chart 22: General government debt, % GDP, Slovenia**



Source: MF

**Table 23: General government debt, Slovenia**

	2000	2005	2007	2008	2009
Debt	5.0	7.8	8.1	8.3	12.5

mrd. EUR

Source: MF

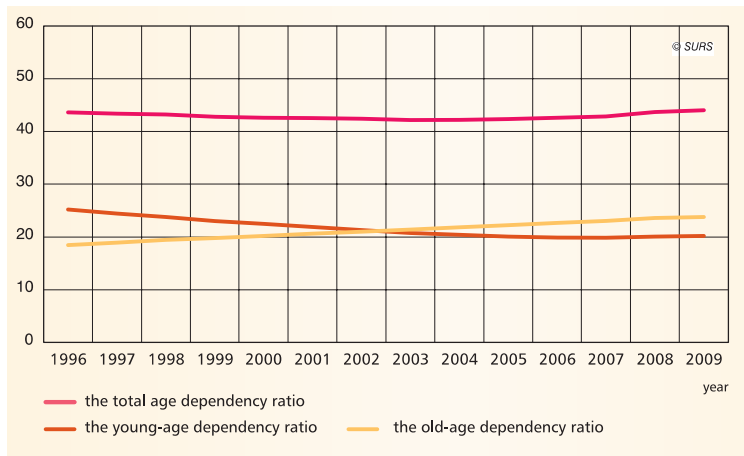
■ During the 2000-2009 period, the general government debt was mostly increasing, except in 2007 when it decreased by almost 3% over the previous year. In 2009, it increased again and amounted to EUR 12.5 billion, which was over 49% more than in the previous year and 2.5-times more than in 2000.

■ General government debt expressed as a percentage of GDP increased from 2000 to 2002 and then it began to decrease until 2008. The decrease was fastest after 2006 when it amounted to almost 27% of GDP. In 2009 the debt increased greatly and it amounted to almost 36% of GDP, which was 13.3 percentage points more than in 2008 and 9.1 percentage points more than in 2000.

## CARE FOR ALL GENERATIONS

### THE AGE DEPENDENCY

Chart 23: The age dependency ratios, Slovenia



»The total age dependency ratio has been increasing in recent years.«

Source: SORS

Table 24: The age dependency ratios, Slovenia

	2000	2005	2007	2008	2009
The old-age dependency ratio	20.2	22.2	23.1	23.6	23.8
The young-age dependency ratio	22.5	20.1	19.8	20.1	20.2

Source: SORS

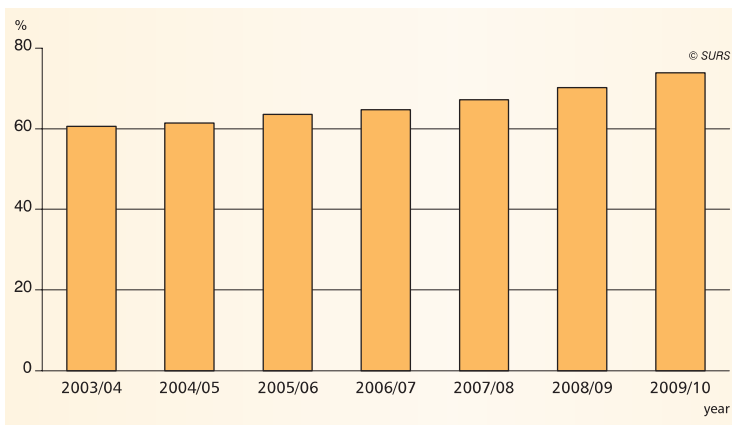
- The total age dependency ratio (of the old and young) did not change significantly during the 1996-2009 period and ranged between 42.1 and 44.0. Between 1996 and 2003 it declined and in 2003 it reached its lowest value. Then it started to rise again.
- In 2009 the young-age dependency ratio was over 20 and the old-age dependency ratio was almost 24. Thus Slovenia had, per 100 working age population, 20 persons under the age of 15 and 24 persons over the age of 65.
- The total age dependency ratio was 44 in 2009. Thus 44 people aged 0-14 and 65+ depended on 100 people in their working age.



## CARE FOR ALL GENERATIONS

## CHILDCARE

Chart 24: Children in kindergartens, Slovenia



»The share of children in kindergartens is constantly increasing.«

Source: SORS

Table 25: Children in kindergartens, Slovenia

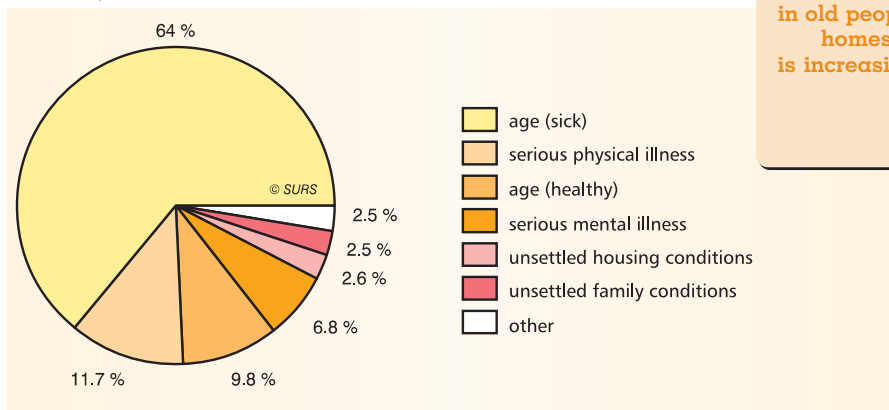
	2000/01	2005/06	2007/08	2008/09	2009/10
Children	65	57	61	66	71

Source: SORS

- The share of children enrolled in kindergartens keeps increasing each year. From the school year 2003/04 to the school year 2009/10 it increased by 13.3 percentage points.
- In the school year 2009/10 over 71,000 children were enrolled in kindergartens, which was almost 74% of all children of the proper age. Compared to the previous school year, the number of children particularly increased in the 1<sup>st</sup> age period (children up to 3 years of age) which recorded an increase of over 12%. In the 2<sup>nd</sup> age period (children aged 3 up to entering elementary school) the number of children increased by 6%.
- In accordance with the 2002 Barcelona objectives, by 2010 EU Member States should provide 33% inclusion of children younger than 3 years in kindergartens and 90% inclusion of children aged from 3 years up to entering elementary school. In the school year 2009/10 over 53% of children younger than 3 years were enrolled in kindergartens. We still have not achieved the second goal. In the 2<sup>nd</sup> age group the share of the enrolled was 87.5%.

## CARE FOR ALL GENERATIONS

## CARE FOR THE ELDERLY

**Chart 25: Reasons for admission of people in old people's homes, Slovenia, 2009**

»The number of people in old people's homes is increasing.«

Source: SORS

**Table 26: People in care in old people's homes, Slovenia**

	2000	2005	2007	2008	2009
People in care	12	14	14	15	16

Source: SORS

■ In the 2000-2009 period the number of people in care in old people's homes increased by almost 36%. In 2009 there were over 16,000 people in care, which was over 6% more than in 2008.

■ In 2009 people aged 80 and over dominated in old people's homes, namely with almost 63%. The share of this group increased further over the 2008 figure. Of all the people in care almost 75% were women.

■ Almost 76% of the elderly were admitted to the old people's home because of their age, 64% of those were ill. Other common causes for admission of the elderly were a serious physical illness (almost 10%) and a serious mental illness (almost 7%).

## METHODOLOGICAL EXPLANATIONS

The methodology of the Labour Force Survey was changed in 2005; therefore the already published data had to be recalculated.

The methodology of the survey on students enrolled in tertiary education was being changed through the years (inclusion of additional levels of study).

In 2008 some innovative companies that perform the research and development activity, but have not reported it until then, were included in the survey on research and development activities in the business sector.

In 2008 the new statistical definition of population was introduced. It is now harmonized with the definition of population and migrants in the Regulation on Community Statistics on Migration and International Protection. Use of this definition applies for 2008 and subsequent data.

The source for calculating the at-the-risk-of-poverty rate is the data from the Survey on Living Conditions (SILC). This survey is a source of data for calculating the income and poverty indicators for EU Member States and is based on European Commission regulations. In Slovenia we started conducting this survey in 2005. Before that the data from the Household Budget Survey (HBS) were used for this purpose. Due to different methodologies the data acquired before 2005 and those acquired after 2005 are not directly comparable.

## DEFINITIONS

### WELL-BEING

#### QUALITY OF NATURAL RESOURCES

**Particulate matter (PM<sub>10</sub>)** is according to the Decree on Sulphur Dioxide, Nitrogen Oxides, Particulate Matter and Lead in Ambient Air (OJ RS, No. 52/2002) defined as particles in the air which pass through a size selective inlet with a 50% efficiency cut-off at 10 µm aerodynamic diameter.

**Drinking water** must conform to regulations of the Rules on Drinking Water (OJ RS, No. 19/2004, 35/2004, 26/2006, 92/2006, 25/2009) on the cleanliness of water in terms of microbiological, physical, chemical and radiological content, pesticides and poisons. These regulations prescribe a level of cleanliness of water intended for supply as public drinking water or water for the production of food intended for sale.

**Organic production** is according to Council Regulation (EC) No 834/2007 on Organic Production and Labelling of Organic Products an overall system of farm management and food production that combines best environmental practices, a high level of biodiversity, the preservation of natural resources, the application of high animal welfare standards and a production method in line with the preference of certain consumers for products produced using natural substances and processes.

**Utilised agricultural area** is land which agricultural enterprises and family farms use for crop production in a year. This is arable land, permanent crops and permanent grassland.

## DEFINITIONS

### ECONOMIC GROWTH

**Gross domestic product** equals value added at basic prices by activities, increased by taxes on products, and reduced by subsidies on products. Gross domestic product thus equals the sum of value added at basic prices of all domestic (resident) production units and net taxes on products (taxes less subsidies on products). By the expenditure approach, gross domestic products equals total domestic consumption and surplus of exports and imports of goods and services with the rest of the world. Domestic consumption includes resident households expenditures (national concept), expenditures of NPISH and general government and gross capital formation. Gross domestic product by the income approach equals the sum of compensation of employees, net taxes on production (taxes on production less subsidies on production) and gross operating surplus and mixed income.

### SAFETY

The **labour force** is the sum of persons in employment and unemployed persons.

**Persons in employment included in SRDAP** are persons who are at least 15 years old, who work (have an employment relationship) on the territory of Slovenia and who have compulsory social insurance. They can be persons in paid employment with employment contracts (for fixed or unspecified period of time, full-time or part-time) or self-employed persons who have compulsory social insurance. These persons are kept in SRDAP until they retire.

Persons in paid employment are also persons working for self-employed persons, own account workers performing their activity as the only or principal occupation, and persons using supplementary work of other people.

The **registered unemployment rate** is the percentage of unemployed persons registered at the Employment Service of Slovenia among the labour force (by residence).

**Social protection** by ESSPROS methodology encompasses all intervention from public or private bodies intended to relieve households and individuals of the burden of a defined set of risks or needs, provided that there is neither a simultaneous reciprocal nor an individual arrangement involved. The risk or needs (functions) are Sickness/Health care, Disability, Old age, Survivors, Family/Children, Unemployment, Housing and Social exclusion not elsewhere classified.

**Number of physicians, calculated from working hours**, is the ratio between the actual number of hours performed by physicians and the standard of 1,430 hours per physician per year.

**A convicted person** is an adult who has been recognised as being liable and against whom penal sanctions have been imposed. Penal sanctions are sentences, admonitory sanctions and security measures.

**Juvenile perpetrators** of criminal offences are persons who had reached the age of 14 years but not yet 18 years at the time of committing a criminal offence and against whom criminal proceedings through the public prosecutor or through a senate have been concluded.

## DEFINITIONS

### BALANCE AND MODESTY

#### NATURAL RESOURCES

**Renewables** comprise solid biomass, biogas, and industrial and municipal waste.

**Municipal waste** is waste from households, as well as other waste from production, trade, service or other activity, which, because of its nature or composition, is similar to waste from households.

**Passenger-kilometres (pkm)** are the aggregate product of the number of passengers multiplied by the distances they have travelled.

#### RESEARCH AND DEVELOPMENT

**Scientific research and experimental development (R&D)** comprise creative and systematic work intended to increase knowledge of human beings, culture and society, and usage of this knowledge for the development of new applications. Scientific research and experimental development cover three activities: basic research, applied research and experimental development.

#### POPULATION, GENDER EQUALITY AND POVERTY

**Natural increase** is the difference between the number of live-born children and the number of deaths for a given area in the calendar year.

**Net migration** is the difference between the number of immigrants and the number of emigrants for a given area in the calendar year.

**Total increase** is the sum of natural increase and net migration for a given area in the calendar year.

**Average monthly earnings** are average amounts received for a month of work by persons in paid employment working for legal persons.

**At-risk-of-poverty rate** is the percentage of persons living in households where the equivalised total disposable household income is below the threshold.

## INTERGENERATIONAL COOPERATION

#### INTENSITY OF USE OF NATURAL RESOURCES

**Greenhouse gas emissions** are gases in the atmosphere which restrain thermal radiation of the Earth: carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF<sub>6</sub>).

**Energy intensity** is the ratio of energy quantity (total primary energy supply or total final consumption) and gross domestic product at constant prices. Energy intensity decreases with energy efficiency improvements.

**Total primary energy supply** is the quantity of energy consumed within the borders of a country. It is calculated: indigenous production + imports - exports - international marine bunkers ± stock changes.

**Mineral fertilisers** are chemical compounds and substances, irrespective of their physical form, which contain plant nutrients and which are produced in industrial processes.

## DEFINITIONS

**Plant nutrients** are substances which plants feed on or need for their development. We present only data on three macronutrients, nitrogen (N), phosphorus ( $P_2O_5$ ) and potassium ( $K_2O$ ).

### CARE FOR ALL GENERATIONS

**The young-age dependency ratio** (burden of the working age population with age dependent »young« residents) is the number of people aged 0 to 14 in comparison with the number of people at working age (15-64) in a country or territorial unit.

**The old-age dependency ratio** (burden of the working age population with age dependent »old« residents) is the number of people aged 65 and over in comparison with the number of people at working age (15-64) in a country or territorial unit.

**The total age dependency ratio** (burden of the working age population with age dependent »young« and »old« residents) is the number of people aged 0 to 14 and 65 and over in comparison with the number of people at working age (15-64) in a country or territorial unit.

## STATISTICAL SIGNS

...	not available
+	and more (years, members, etc.)
<sup>1)</sup>	footnote

## ABBREVIATIONS AND UNITS OF MEASUREMENT

<b>ARSO</b>	Environmental Agency of the Republic of Slovenia
<b>EU</b>	European Union
<b>GDP</b>	gross domestic product
<b>HBS</b>	House Budget Survey
<b>IVZ</b>	Institute of Public Health of the Republic of Slovenia
<b>LUCF</b>	Land Use Change and Forestry
<b>MF</b>	Ministry of Finance
<b>MKGP</b>	Ministry of Agriculture, Forestry and Food
<b>MNZ</b>	Ministry of the Interior
<b>NGOs</b>	Non-governmental organizations
<b>SILC</b>	Survey on Income and Living Conditions
<b>SORS</b>	Statistical Office of the Republic of Slovenia
<b>SRDAP</b>	Statistical Register of Employment
<b>CH<sub>4</sub></b>	methane
<b>CO<sub>2</sub></b>	carbon dioxide
<b>E.coli</b>	Escherichia coli
<b>F-gases</b>	fluorinated greenhouse gases
<b>HFCs</b>	hydrofluorocarbons
<b>K<sub>2</sub>O</b>	potassium oxide
<b>N</b>	nitrogen
<b>N<sub>2</sub>O</b>	nitrous oxide
<b>PFCs</b>	perfluorocarbons
<b>PM<sub>10</sub></b>	particulate matter PM <sub>10</sub>
<b>P<sub>2</sub>O<sub>5</sub></b>	phosphorus pentoxide
<b>SF<sub>6</sub></b>	sulphur hexafluoride
<b>CO<sub>2</sub> equivalent Gg</b>	gigagram of carbon dioxide equivalent
<b>EUR</b>	euro
<b>ha</b>	hectare
<b>kg/ha</b>	kilogram per hectare
<b>l/day</b>	litre per day
<b>m<sup>3</sup></b>	cubic metre
<b>m<sup>3</sup>/cap.</b>	cubic metre per capita
<b>mio.</b>	million
<b>pkm</b>	passengers kilometres
<b>mrđ.</b>	billion (1,000 million)
<b>t</b>	tonne
<b>toe</b>	tonne of oil equivalent
<b>toe/cap.</b>	tonne of oil equivalent per capita
<b>toe/mio. EUR 2000</b>	tonne of oil equivalent per million (constant prices of the year 2000)
<b>%</b>	percentage
<b>µg/m<sup>3</sup></b>	microgram per cubic metre

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