List of statistical indicators related to climate change

1. FACTORS

Greenhouse gas emissions

1. Greenhouse gas emissions without land use, land-use change and forestry
2. Greenhouse gas emissions per capita
3. Emissions of carbon dioxide (CO_2) per capita

Production, supply and consumption of energy

4. Gross consumption of fuel and energy resources per capita
5. Energy intensity of gross domestic product (GDP in 2005 prices)

Fossil fuels

6. The amount of subsidies for solid fuels (peat briquettes) per unit of gross domestic product

Population

7. Average annual population
8. Change in average annual population
9. The share of urban population in the total population

Transport

10. Number of vehicles (at the end of the year)
11. Provision of passenger cars per 1000 people
12. Length of public roads in general and by type (at the end of the year)

Land resources

13. The volume of liquid timber harvesting as a percentage of the total stock of forest vegetation
14. Amount of land cleared as a percentage of the area of land covered by forests
15. Number of cattle per 100 hectares of agricultural land
16. The amount of nitrogen fertilizers applied per 1 hectare of agricultural land in agricultural organizations

2. IMPACT

The impact of climate change on agricultural production

17. Average milk yield per cow
18. Yield of grain and leguminous crops
19. Duration of the growing season

Areas affected by climate change

20. Forest cover of the territory
21. Change in snow depth
22. The area of land under swamps and surface water bodies as a percentage of the total land area

Freshwater resources

23. Renewable freshwater resources per capita
24. Water Resources Exploitation Index (by annual flow)
25. Surface water quality
26. Proportion of water bodies with good water quality

Hazardous events and disasters

27. Number of cases of dangerous meteorological phenomena

Climate change and human health

28. Prevalence of climate-related diseases
29. Average annual level of fine particulate matter (class $PM_{2,5}$) in the atmosphere of cities (based on population)
30. Average annual concentration of ground-level ozone in atmospheric air

Climate change evidence

31. Average annual air temperature
32. Temperature records
33. Average annual temperature of surface water bodies
34. Average annual precipitation
35. Record amount of precipitation

Distribution and status of species

36. Number of species of wild animals and wild plants
37. Area of implementation of measures to regulate the spread and number of invasive plants

Distribution and status of ecosystems

38. The area of forest land affected by fires
39. The share of the area of specially protected natural areas in the area of the republic
40. Expansion of the development area

Production and consumption of materials

41. Production of wood and non-wood forest products

3. VULNERABILITY

Water security, food security and agriculture

42. Per capita consumption of basic foodstuffs
43. Average tariff for water supply service paid by the population
44. Average price of water sold by the producer to other consumers (except the population)

Vulnerable species, ecosystems and their services

45. Rare and endangered species included in the Red Book of the Republic of Belarus

Vulnerable population

46. Proportion of population with access to electricity
47. The proportion of the population using solid municipal waste removal services on a regular basis
48. The proportion of the population using water supply services organized in compliance with safety requirements
49. Proportion of population using sanitation services organized in compliance with safety requirements
50. Proportion of population living below the international poverty line, disaggregated by sex, age, employment status and place of residence (urban/rural)

51. The ratio of the population living in non-residential premises in urban areas to the total population in urban areas

4. MITIGATION OF CONSEQUENCES

Renewable energy

52. The ratio of the volume of production (extraction) of primary energy from renewable energy sources to the volume of gross consumption of fuel and energy resources
53. Proportion of population using primarily clean fuels and technologies for cooking, heating, and lighting

Climate change mitigation technology

54. Number of electric vehicles (at the end of the year)
55. The share of electrified vehicles performing urban passenger transportation in regular service in the total number of rolling stock carrying passengers by urban electric transport, metro and public road transport
56. Greenhouse gas absorption by the land use, land-use change and forestry sector
57. Greenhouse gas emissions with land use, land-use change and forestry
58. Greenhouse gas emissions compared to 1990 levels
59. Forested land area

Climate change mitigation policies, strategies and action plans

60. Total environmental protection expenditure on air and climate change mitigation

5. ADAPTATION

Risk management, disaster forecasting and early warning systems

61. Proportion of local governments that adopted and implemented local disaster risk reduction strategies in line with national disaster risk reduction strategies

Zonal adaptation to climate change

62. Proportion of agricultural area under productive and sustainable agriculture
63. Progress towards sustainable forest management

Climate change monitoring

64. Number of ground meteorological observation points
65. Number of air quality monitoring points
66. Number of observation points for surface water conditions
67. Number of observation points for the hydrological regime of rivers and reservoirs

Water management

68. Water abstraction from natural sources
69. Water use per capita

Waste and wastewater management

70. Intensity of solid municipal waste generation per capita
71. The share of municipal solid waste use in the total volume of municipal solid waste generation
72. Proportion of domestic and industrial wastewater flows safely treated