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# GLOBAL TRENDS IN CONSERVED AREAS

## CANADIAN ENVIRONMENTAL SUSTAINABILITY INDICATORS



Canada 

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# CANADIAN ENVIRONMENTAL SUSTAINABILITY INDICATORS GLOBAL TRENDS IN CONSERVED AREAS

July 2021

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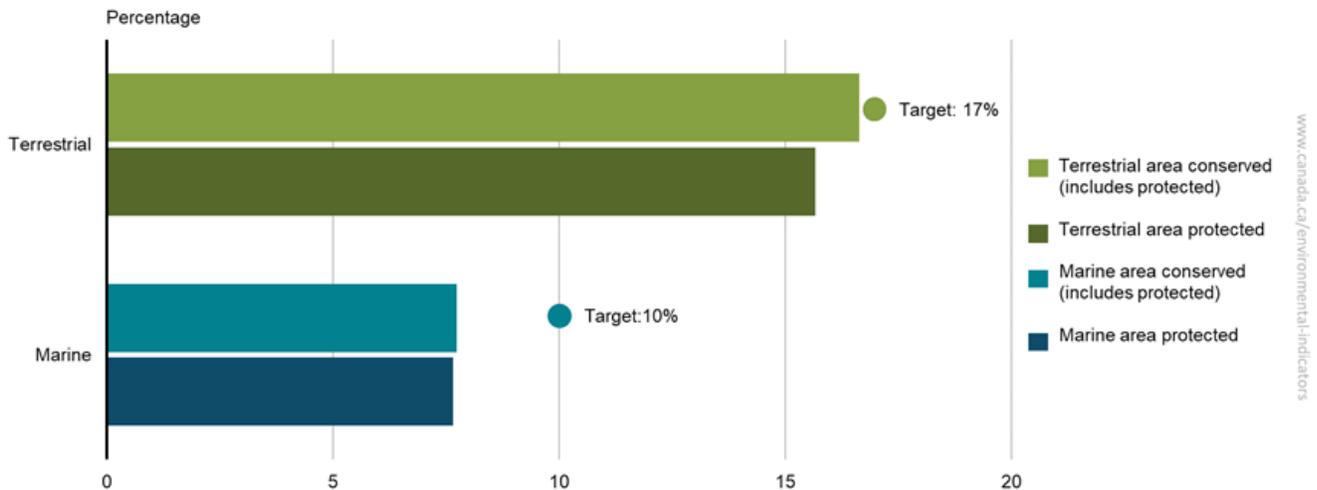
# Global trends in conserved areas

To help safeguard biodiversity and ecosystem services, nations are increasing the area they conserve. Conserved areas include protected areas and other effective area-based conservation measures. This indicator provides a global overview of terrestrial and marine conserved areas.

## Key results

- As of May 2021, globally
  - 16.6% of terrestrial area, including freshwater, was conserved, including 15.7% in protected areas
  - 7.7% of marine area, including international waters, was conserved, almost all in protected areas
- Governments across the globe committed to conserving 17% of terrestrial and 10% of marine areas by 2020

**Figure 1. Percentage of global area conserved in relation to global 2020 targets, May 2021**



[Data for Figure 1](#)

**Note:** Antarctica is not included. Terrestrial area includes both land and freshwater. Marine area includes territorial seas, exclusive economic zones and areas beyond national jurisdiction. For more information on the definition of protected areas and other effective area-based conservation measures, please refer to the [Data sources and methods](#).

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures](#). May 2021 release.

Conserved areas are lands and waters where human use is limited. They include protected areas as well as other effective area-based conservation measures. Other effective area-based conservation measures (OECMs) are areas that are managed in ways to achieve positive and sustained long-term outcomes for the conservation of biodiversity but are not protected areas. As of May 2021, only 5 countries had submitted OECMs to the World Database on Other Effective Area-based Conservation Measures; Canada accounts for 22% of the total area of OECMs.

Parties to the [Convention on Biological Diversity](#) set an aspirational target to conserve at least 17% of terrestrial areas and inland waters, and 10% of coastal and marine areas, by 2020.<sup>1</sup> Considering not all countries had submitted their 2020 update to the United Nations Environment Programme World Conservation Monitoring Centre at the time of reporting, the [Protected Planet Report 2020](#) noted that it is expected that the terrestrial target

<sup>1</sup> Aichi Biodiversity Target 11 of the Strategic Plan for Biodiversity from 2010 to 2020 calls for parties to achieve, "By 2020, at least 17 per cent of terrestrial and inland water areas and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscape and seascape."

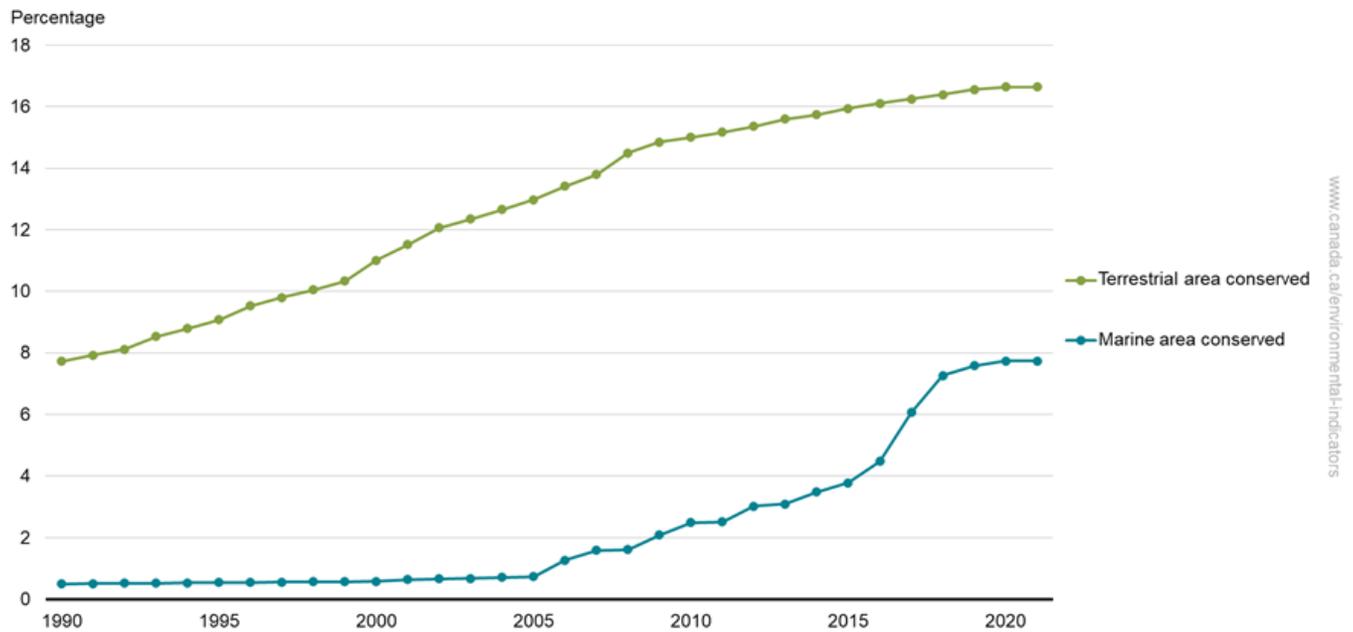
would be met and possibly the marine target as well with further updates, especially with the addition of more OECMs.

## Trends in conserved areas coverage

### Key results

- Between 1990 and May 2021, global
  - terrestrial conserved areas coverage increased from 7.7% (10.4 million km<sup>2</sup>) to 16.6% (22.5 million km<sup>2</sup>)
  - marine conserved areas coverage increased from 0.4% (1.8 million km<sup>2</sup>) to 7.7% (28.1 million km<sup>2</sup>)

**Figure 2. Percentage of global area conserved, 1990 to 2021**



[Data for Figure 2](#)

**Note:** Antarctica is not included. Terrestrial area includes both land and freshwater. Marine area includes territorial seas, exclusive economic zones and areas beyond national jurisdiction.

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [Protected Planet Report 2020](#).

Globally, over 21 million km<sup>2</sup> or 42% of the current area conserved were recognized since 2010. Marine and coastal areas had the largest increase in coverage over this period and can be broken down into national waters and international waters. Conserved areas within marine areas under national jurisdiction have reached 18%, while only 1.2% of international marine areas are conserved.<sup>2</sup>

<sup>2</sup> United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [Protected Planet Report 2020](#). Cambridge, United Kingdom and Gland, Switzerland.

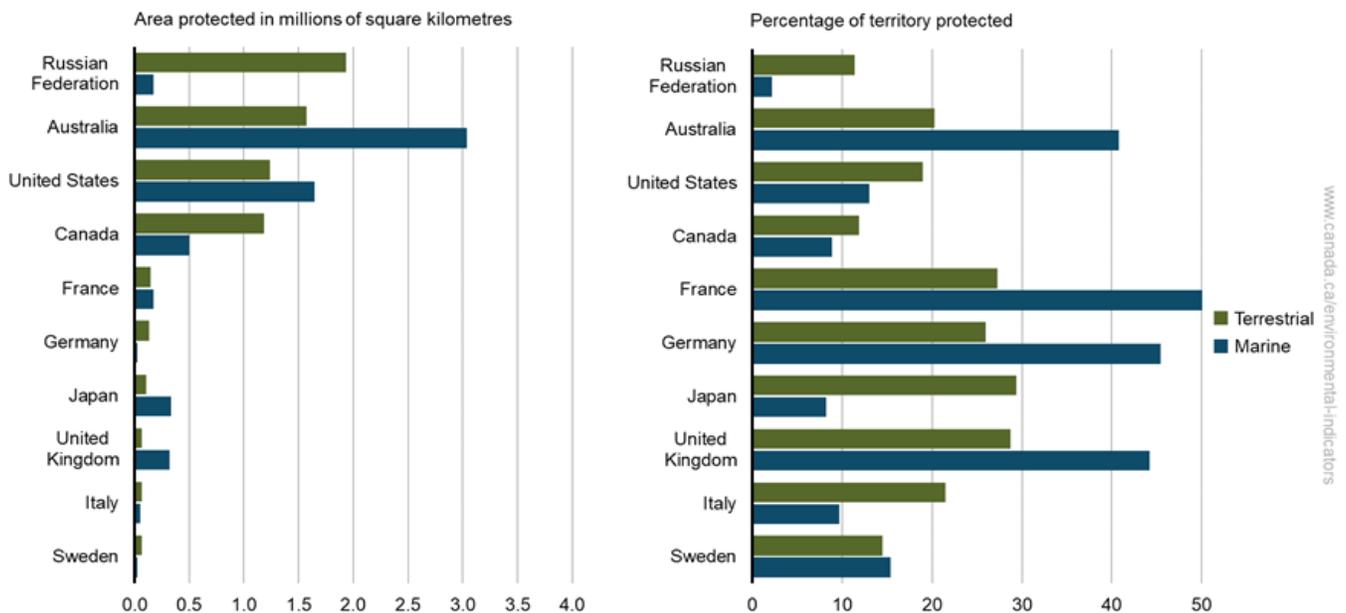
## Comparison of protected areas, selected countries

This section provides a comparison of area protected among 10 selected countries.<sup>3, 4</sup>

### Key results

- As of May 2021, among a group of 10 selected countries, Canada
  - ranked fourth in total terrestrial area protected and third in total marine area protected
  - ranked second last in the percentage of terrestrial area protected and eighth in the percentage of marine area protected

**Figure 3. Area protected and percentage of territory protected, selected countries, 2021**



[Data for Figure 3](#)

**Note:** Terrestrial area includes both land and freshwater. Marine area includes territorial seas and exclusive economic zones. The total area protected of a country is related to the country's total area. Only data from the World Database on Protected Areas are used to ensure consistency among countries. The analysis uses only data for areas that meet the international definition of a protected area and does not include other effective area-based conservation measures (OECMs). It also uses a different methodology than Canada's national reporting. For authoritative Canadian national reporting, see [Canada's conserved areas](#) indicators.

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [World Database on Protected Areas](#). May 2021 release.

While Canada<sup>5</sup> protects a large area, its percentage of terrestrial and marine area protected is lower than the average among the peer group of countries. Likewise, the Russian Federation, with the largest terrestrial area protected (16.9 million km<sup>2</sup>) is also the country with the highest total terrestrial area protected. However, it ranks last in terms of the percentage of its terrestrial area protected.

<sup>3</sup> Selected countries include the Group of 7 (Canada, France, Germany, Italy, Japan, the United Kingdom and the United States), Australia (the population, population density and territorial extent are similar to Canada), the Russian Federation (a large northern country like Canada) and Sweden (which has a similar climate).

<sup>4</sup> As of May 2021, among the 10 countries selected for comparison, Canada was the only country to report other effective area-based conservation measures (OECMs).

<sup>5</sup> Due to differing methods, estimates for Canada in this indicator differ from [Canada's conserved areas](#), Canada's authoritative national indicator. National estimates are updated regularly. As of December 2020, 12.5% of terrestrial area and 13.8% of marine area was recognized as conserved.

The 4 largest countries selected for comparison typically have the largest area protected. The Russian Federation, Australia, the United States and Canada are the top 4 countries in terms of terrestrial area protected. Australia, the United States and Canada have the largest marine area protected.

Among the selected countries, Germany, Japan, the United Kingdom, France, Italy and Australia each protect over 17% of their total terrestrial area. France, Germany, the United Kingdom, Australia, the United States and Sweden each protect over 10% of their total marine area. When taking into account Canada's other effective area-based conservation measures (OECMs), Canada has conserved well over 10% of its total marine area.<sup>6</sup>

## About the indicator

### What the indicator measures

This indicator reports the amount and percentage of global terrestrial and marine area conserved for the preservation of nature. The indicator also shows a comparison of area protected among 10 selected countries. Global information on protected areas and other effective area-based conservation measures is collected, analyzed and made available by the [World Database on Protected Areas](#) and the [World Database on Other Effective Area-based Conservation Measures](#). Land and/or water access and use within protected areas are controlled primarily for the purpose of conserving nature (for example, a park, a conservation area or a wildlife reserve). Other effective area-based conservation measures (OECMs) are also managed in ways that achieve positive and sustained long-term outcomes for the conservation of biodiversity, regardless of their stated objectives.

### Why this indicator is important

Conserved areas (protected areas and OECMs) are key management tools used for the preservation of biodiversity. The area of land and water that is conserved is a measure of human response to the loss of biodiversity and natural habitat. The [Protected Planet Report 2020](#) describes how protected areas and OECMs are achieving the Convention on Biological Diversity Aichi Target 11. Target 11 calls for parties to achieve "By 2020, at least 17 per cent of terrestrial and inland water areas and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscape and seascape."

Conserved areas also contribute to the [Sustainable Development Goals of the 2030 Agenda for Sustainable Development](#). They are linked to Goal 14, Life Below Water and Target 14.5, "By 2020, conserve at least 10% of coastal and marine areas, consistent with national and international law and based on the best available scientific information." They are also linked to Goal 15, Life on Land and Target 15.1, "By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements."

### Related indicators

[Canada's conserved areas](#) indicators report the amount and proportion of Canada's terrestrial and marine area that is conserved. They include both protected areas and other effective area-based conservation measures.

## Data sources and methods

### Data sources

The data used for the indicator are from the May 2021 update of the World Database on Protected Areas and the World Database on Other Effective Area-based Conservation Measures (the databases), available from [Protected Planet](#).<sup>7</sup> Governments and non-governmental organizations submit their data to the databases. Only sites meeting

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<sup>6</sup> As of the May 2021 release of the World Database on Protected Areas and the World Database on Other Effective Area-based Conservation Measures, Canada had conserved 12.7% (1.12 million km<sup>2</sup>) of its terrestrial area and 13.8% (786 thousand km<sup>2</sup>) of its marine area.

<sup>7</sup> Some data providers restrict the redistribution of their data. Data from these providers are used in the analyses but are not available publicly.

the international definitions for a protected area or other effective area-based conservation measure (OECM) are used for calculating protected area and OECM coverage.

### **More information**

#### **Protected areas and other effective area-based conservation measures**

Protected areas together with OECMs are referred to as conserved areas. Protected areas recognized as meeting the International Union for Conservation of Nature definition are used for calculating protected area coverage: "A protected area is a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long term conservation of nature with associated ecosystem services and cultural values."

Other effective area-based conservation measures (OECMs) must meet the [Convention on Biodiversity definition](#) to be used for calculating OECM coverage: "A geographically defined area other than a Protected Area, which is governed and managed in ways that achieve positive and sustained long-term outcomes for the in situ conservation of biodiversity."

#### **World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures**

The United Nations Environment Programme World Conservation Monitoring Centre compiles the data provided by protected area and OECM authorities. For example, government agencies provide data on federal protected areas and OECMs, sub-national agencies provide data on sub-national areas, non-governmental organizations may provide data on areas they own and manage, communities may provide data on the areas they conserve and manage, and so on.

For Canada, the data providers include:

- the Government of Canada which provides the Canadian Protected and Conserved Areas Database
- Ramsar Secretariat, on behalf of Ramsar Contracting Parties, for wetlands recognized under the Ramsar Convention
- the United Nations Educational, Scientific and Cultural Organization (UNESCO), for World Heritage Sites

The capacity, methods and formats of data management vary among data providers; therefore, the global databases are a mosaic of geographic information system data at varying levels of completeness, resolution and quality. Nevertheless, data must meet a [minimum standard](#) (PDF; 1.36 MB). If an area is no longer conserved, it is removed from the database.

Data include all protected areas and OECMs reported as existing in May 2021. Antarctica is excluded because it cannot be attributed to any particular nation. For this reason, it is not included under the jurisdictional clause of the United Nations Convention on Biological Diversity.

International comparisons in the indicator are restricted to a set of 10 countries. Where possible, the Canadian Environmental Sustainability Indicators program uses a common set of countries for international comparison. Selected countries are the Group of 7 (G7), Australia (the population, population density and territorial extent are similar to Canada), the Russian Federation (a large northern country like Canada) and Sweden (which has a similar climate).

National and global statistics were compiled from the May 2021 snapshots of the databases. The databases are updated on a monthly basis as new data are received. However, there is a time lag between when a data provider submits its data and when updates are completed. This is due to time needed to review, verify, incorporate and analyze the data. Although data providers may submit their data as information becomes available, updates are requested at least every 5 years. At any given time, data from different countries may have different date stamps. The May 2021 World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures snapshots contain Canadian Protected and Conserved Areas Database data date stamped December 2020.

## Methods

The reported values are based on analyses conducted by the United Nations Environment Programme World Conservation Monitoring Centre. These analyses support the [Protected Planet Digital Report](#) and the monthly update of the [Protected Planet](#) website. A spatial analysis uses the boundaries (or estimated boundaries) of sites to account for overlaps and calculate the overall protected area and other effective area-based conservation measure (OECM) coverage.

### More information

The World Database on Protected Areas and the World Database on Other Effective Area-based Conservation Measures (the databases) are held within a geographic information system. They store information about protected areas / OECMs, including attributes such as their name, designation, date of designation and documented area, as well as their geographic location as a point or a polygon.

### Data selection

All sites included in the databases are used for protected area and OECM coverage analyses, with the exception of:

- sites that have a status of Proposed or Not Reported
- sites submitted as points with no reported area
- United Nations Educational, Scientific and Cultural Organization (UNESCO) Man and the Biosphere Reserves, on the basis that the buffer and transitional zones of many of these sites are not protected. Core zones are usually protected areas designated at a national level and are typically accounted for in the analyses

Man and the Biosphere Reserve sites reported as OECMs are included in the coverage analyses.

Sites with an unknown year of establishment are treated as if they had been conserved prior to 1990.

### Data analyses

The United Nations Environment Programme World Conservation Monitoring Centre completed the data analyses used for the indicator. A summary of the methodology used to calculate the global and national protected area and OECM totals is outlined on the [Protected Planet website](#).

The spatial analysis uses a world base map that combines the exclusive economic zones and the terrestrial country boundaries (World Vector Shoreline). Each country is given its own base layer that is used to calculate national totals. The national totals calculated using a global data layer may differ from the results reported nationally. For more information on the differences between the analyses completed by the World Conservation Monitoring Centre and the Government of Canada, please refer to the [Caveats and limitations](#) section.

### National totals

The World Conservation Monitoring Centre estimates national protected area and OECM totals separately. Since the indicator does not report OECMs for the comparison by country, only the methods used to calculate national protected area totals are provided below.

National protected area totals are calculated from the monthly release of the World Database on Protected Areas. If the boundaries of a site were not known, but its location and extent were known, it was modelled as a circular buffer around its point location. All of the site boundaries (polygons) were combined into a single data layer by country. This correctly accounts for overlaps among polygons within the country, but retains overlaps between countries.

The data layer was intersected with the world base map to establish country boundaries, including coastlines and marine boundaries. Transboundary protected areas were spatially divided based on the location of each part of the protected area and allocated to the corresponding countries using the world base map.

The intersected output was converted to an equal area projection to estimate the total protected area coverage (in square kilometres) by country. For each country, the percentage of terrestrial area protected was calculated by dividing the total area protected by the total area of its land (including inland waters).

The percentage of marine area protected was calculated by dividing the total area of marine protected areas by the total national area of the territorial seas and exclusive economic zone.

National analyses of marine protected area are conducted for the combined territorial sea and exclusive economic zone of each country.<sup>8</sup> Claimed areas of the continental shelf are not considered.

### **Global totals**

The World Conservation Monitoring Centre estimates global protected area and OECM totals separately. Global protected area totals are calculated from the monthly release of the World Database on Protected Areas. If the boundaries of a site were not known, but its location and extent were known, it was modelled as a circular buffer around its point location. All of the site boundaries (polygons) were combined into a single data layer to account for overlaps among polygons and avoid double counting.

The global protected areas data layer was intersected with the world base map. This intersected output was converted to an equal area projection to estimate the total protected area coverage (in square kilometres). Global terrestrial protected area coverage (percentage) was calculated by dividing the total area of terrestrial protected areas by the global terrestrial area. Antarctica was excluded from the analysis. Global marine protected area coverage was calculated by dividing the total area of marine protected areas by the global marine area. Global marine area includes territorial seas, exclusive economic zones and areas beyond national jurisdiction (beyond 200 nautical miles), often referred to as the "high seas."

The steps taken to calculate global OECM totals are similar to those used for global protected areas totals. Global OECM totals are calculated from the monthly release of the World Database on Other Effective Area-based Conservation Measures. If the boundaries of a site were not known, but its location and extent were known, it was modelled as a circular buffer around its point location. All of the site boundaries (polygons) were combined into a single data layer. Using the global protected areas data layer, areas where protected areas and OECMs overlap were erased from the OECMs data layer. The global OECMs data layer was intersected with the world base map. This intersected output was converted to an equal area projection to estimate the total OECM coverage (in square kilometres). Calculated OECM area are summed for the terrestrial and marine biomes.

Lastly, the total global conserved area coverage is calculated. Total terrestrial conserved area coverage is the sum of the total area of terrestrial protected areas and the total area of terrestrial OECMs divided by the total global terrestrial area excluding Antarctica. Total marine conserved area coverage is equal to total global marine protected areas coverage and total global marine OECM coverage.

### **Recent changes**

The current iteration of the indicator includes other effective area-based conservation measures (OECMs) in addition to protected areas at the global level. This change reflects development of the World Database on Other Effective Area-based Conservation Measures (the database). Since many countries have yet to report their OECMs to the database, the comparison by country was limited to protected areas.

### **Caveats and limitations**

The indicator is based on a compilation of data from many providers and data quality is variable.

Because conserved areas vary in the type and degree of protection as well as in the qualitative value afforded by such protection (for example, connectivity, representativeness, high biodiversity areas), comparisons between countries should be made with caution. The extent to which the lands and waters of a country are conserved is a useful indicator of conservation effort. However, it is not an indication of how well managed conserved areas are, nor does it mean that conservation measures are adequately enforced.

Differences between this indicator and Canada's national estimates should be expected due to a number of factors, including differences in [methodology](#) and data providers.

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<sup>8</sup> Territorial sea is the area from the shoreline out to 12 nautical miles. The exclusive economic zone is the area of the sea adjacent to and beyond the territorial sea, extending out to 200 nautical miles from the shoreline.

## More information

The indicator reports only protected areas and other effective area-based conservation measures (OECMs) recognized under the international definitions that have been reported to the World Database on Protected Areas and the World Database on Other Effective Area-based Conservation Measures (the database). The addition of OECMs has been in development since 2019. To assess progress towards Aichi Target 11, the United Nations Environment Programme World Conservation Monitoring Centre uses both protected areas and OECMs from the databases.

Although Canadian OECMs are captured at the global level, there are very few reported OECMs. As of May 2021, 26% (130 of 506 OECMs) of the OECMs in the database have been submitted by Canada. None of the other countries used for comparison in the indicator reported any OECMs.

Data availability and quality are improving, but not evenly across the globe. Data on protected area coverage are available for over 190 countries and territories. However, there are known gaps.

The United Nations Environment Programme World Conservation Monitoring Centre calculates national and global protected area and OECM coverage through a series of spatial analyses of the databases. A summary of these analyses is outlined in the [Methods](#) section.

The methods stated that if the boundaries of a site were unknown, but its location and extent were known, it was modelled as a circular buffer around its point location. However, the buffered points can underestimate or overestimate conserved area totals. The circular buffer may cover areas where conserved areas do not exist (overestimation) or overlap with existing conserved areas (underestimation). For sites that are split between the terrestrial and marine biomes, buffering makes it difficult to assign portions to the correct biome.

### **Sources of discrepancies between the global estimates for Canada and Canada's national reporting on conserved areas**

The date stamps of Canada's national reporting and the global estimates for Canada can vary. However, at the time of publishing, the global estimates for Canada taken from the May 2021 update of the World Database on Protected Areas align with the December 31, 2020 snapshot of the Canadian Protected and Conserved Areas Database. The World Conservation Monitoring Centre's estimates for Canada are based on:

- The December 31, 2020 snapshot of the Canadian Protected and Conserved Areas Database, updated in the World Database on Protected Areas in April 2021
- World Heritage Site and Ramsar data, updated in the World Database on Protected Areas in 2020

Because of the way in which the World Database on Protected Areas and the World Database on Other Effective Area-based Conservation Measures are compiled, recently designated areas may not appear in the databases.

Canada's national reporting does not include data reported by international conventions for World Heritage Sites and Ramsar sites.

The global estimates for Canada and Canada's national reporting on conserved areas use different map projections and geographic base layers, as appropriate to the scale of their respective analyses. These cause differences in the estimated area of protected and conserved areas as well as in the baseline areas for terrestrial and marine territory. In Canada, marine and terrestrial areas are labelled by the reporting jurisdiction and this information is used in the Canadian analysis. The Canadian analysis uses national data layers that provide more detailed information for Canada. For the World Conservation Monitoring Centre analyses, polygons are divided into marine and terrestrial categories using mapped coastlines from a global layer. This causes differences in the marine/terrestrial split, where many marine coastal areas in Canada are classified as terrestrial in the World Conservation Monitoring Centre analyses. Because the majority of Canada's marine conserved area is coastal, the global conserved area estimates for Canada are skewed towards the terrestrial biome. These methodological differences contribute to discrepancies between the global estimates for Canada and Canada's national reporting on conserved areas.

## Resources

### References

Dudley N (ed.) (2013) [Guidelines for Applying Protected Area Management Categories](#). Gland, Switzerland. Retrieved on June 10, 2021.

United Nations Environment Programme World Conservation Monitoring Centre (2019) [User Manual for the World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures: 1.6](#) (PDF; 1.36 MB). Cambridge, United Kingdom. Retrieved on June 10, 2021.

United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [Calculating protected and OECM area coverage](#). Retrieved on June 10, 2021.

United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [Protected Planet Report 2020](#). Cambridge, United Kingdom and Gland, Switzerland. Retrieved on June 10, 2021.

United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures](#). May 2021 release. Retrieved on May 14, 2021.

### Related information

[Biodiversity Indicators Partnership](#)

[Convention on Biological Diversity](#)

[Digital Observatory for Protected Areas](#)

# Annex

## Annex A. Data tables for the figures presented in this document

**Table A.1. Data for Figure 1. Percentage of global area conserved in relation to global 2020 targets, May 2021**

Territory	Area protected (percentage)	Area conserved (percentage)	Target for 2020 (percentage)
Terrestrial area	15.7	16.6	17
Marine area	7.7	7.7	10

**Note:** Antarctica is not included. Terrestrial area includes both land and freshwater. Marine area includes territorial seas, exclusive economic zones and areas beyond national jurisdiction. Area conserved includes area protected as well as other effective area-based conservation measures. For more information on the definition of protected areas and other effective area-based conservation measures, please refer to the [Data sources and methods](#).

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [World Database on Protected Areas and World Database on Other Effective Area-based Conservation Measures](#), May 2021 release.

**Table A.2. Data for Figure 2. Percentage of global area conserved, 1990 to 2021**

Year	Terrestrial area conserved (thousands of square kilometres)	Terrestrial area conserved (percentage)	Marine area conserved (thousands of square kilometres)	Marine area conserved (percentage)
1990	10 422	7.7	1 789	0.5
1991	10 691	7.9	1 837	0.5
1992	10 953	8.1	1 877	0.5
1993	11 516	8.5	1 892	0.5
1994	11 858	8.8	1 913	0.5
1995	12 252	9.1	1 956	0.5
1996	12 860	9.5	1 977	0.5
1997	13 222	9.8	2 002	0.6
1998	13 564	10.1	2 034	0.6
1999	13 944	10.3	2 068	0.6
2000	14 859	11.0	2 104	0.6
2001	15 535	11.5	2 297	0.6
2002	16 280	12.1	2 406	0.7
2003	16 658	12.3	2 439	0.7
2004	17 078	12.7	2 558	0.7
2005	17 507	13.0	2 659	0.7
2006	18 097	13.4	4 572	1.3
2007	18 604	13.8	5 749	1.6
2008	19 555	14.5	5 830	1.6
2009	20 031	14.8	7 560	2.1
2010	20 246	15.0	9 015	2.5
2011	20 459	15.2	9 077	2.5

Year	Terrestrial area conserved (thousands of square kilometres)	Terrestrial area conserved (percentage)	Marine area conserved (thousands of square kilometres)	Marine area conserved (percentage)
2012	20 716	15.4	10 951	3.0
2013	21 049	15.6	11 195	3.1
2014	21 238	15.7	12 611	3.5
2015	21 500	15.9	13 679	3.8
2016	21 723	16.1	16 240	4.5
2017	21 927	16.3	21 961	6.1
2018	22 111	16.4	26 330	7.3
2019	22 333	16.6	27 481	7.6
2020	22 455	16.6	28 054	7.7
2021	22 455	16.6	28 054	7.7

**Note:** Antarctica is not included. Terrestrial area includes both land and freshwater. Marine area includes territorial seas, exclusive economic zones and areas beyond national jurisdiction.

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [Protected Planet Report 2020](#).

**Table A.3. Data for Figure 3. Area protected and percentage of territory protected, selected countries, 2021**

Country	Terrestrial area (thousands of square kilometres)	Terrestrial area protected (thousands of square kilometres)	Terrestrial area protected (percentage)	Marine area (thousands of square kilometres)	Marine area protected (thousands of square kilometres)	Marine area protected (percentage)
Russian Federation	16 875	1 933	11.4	7 673	172	2.2
Australia	7 722	1 571	20.3	7 432	3 036	40.8
United States	9 490	1 235	13.0	8 591	1 648	19.2
Canada	9 955	1 186	11.9	5 698	505	8.9
France	549	150	27.3	344	173	50.4
Germany	358	135	37.8	56	26	45.4
Japan	374	110	29.4	4 041	333	8.2
United Kingdom	245	70	28.7	723	320	44.2
Sweden	449	65	14.5	155	24	15.4
Italy	301	65	21.5	539	52	9.7
<b>Global excluding Antarctica<sup>[A]</sup></b>	<b>134 918</b>	<b>21 200</b>	<b>15.7</b>	<b>362 330</b>	<b>27 800</b>	<b>7.7</b>

**Note:** <sup>[A]</sup> The global total excluding Antarctica is published in the [Protected Planet Report 2020](#). Terrestrial area includes both land and freshwater. Marine area includes territorial seas and exclusive economic zones. The total area protected of a country is related to a country's total area. Only data from the World Database on Protected Areas are used to ensure consistency among countries. The analysis uses only data for areas that meet the international definition of a protected area and does not include other effective area-based conservation measures (OECMs). It also uses a different methodology than Canada's national reporting. For authoritative Canadian national reporting, see [Canada's conserved areas](#) indicators.

**Source:** United Nations Environment Programme World Conservation Monitoring Centre and International Union for Conservation of Nature (2021) [World Database on Protected Areas](#). May 2021 release.

Additional information can be obtained at:

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