

Indicator theme (old)	<b>D Biodiversity</b>
Component (FDES)	<b>1: Environmental Conditions and Quality</b>
Sub-component (FDES)	<b>1.2: Land Cover, Ecosystems and Biodiversity</b>
Indicator topic (FDES)	<b>1.2.2: Ecosystems and biodiversity</b>
Indicator	<b>D-1.1 Share of total protected areas (IUCN categories) in the country area</b>

Indicator **D-1.1 Share of total protected areas (IUCN categories) in the country area**

ID and name in indicator guidelines	D1	Protected areas
First publication	Latest update	9/7/2021
Indicator definition	The indicator shows the total area of protected areas and other effective area-based conservation measures (terrestrial, freshwater and marine – within territorial seas ) in compliance with the national legislation, as a share of the overall area of the country. Wherever data are available, this indicator is further broken down by IUCN WCPA protected areas management categories, to demonstrate their respective extent and share in the total area of the country.	
Unit of measure	Percentage of the total country territory (for territorial seas: percentage of total territorial seas)	
Coverage	All nationally designated protected areas and other effective area-based conservation measures	
Spatial aggregation	National territory	
Reference period	End of each calendar year or nearest date within that calendar year	
Update frequency	Annual	
Purpose	Area-based conservation including protected areas and other effective area-based conservation measures is the most effective and most widely used response to the degradation of ecosystems and the loss of biodiversity. The share of a country's area designated as protected areas or other effective area-based conservation measures therefore demonstrates the extent to which areas important for conserving ecosystems and biodiversity, with the ecosystem services provided by them and the human wellbeing benefits supported by these ecosystem services, are protected.	
Policy context	Ecosystems and biodiversity have strong intrinsic values, provide multiple ecosystem services to human societies, and thereby support sustainable development and human wellbeing on Earth. They enable nature-based solutions to a wide range of challenges to Society. Protected areas and other effective area-based conservation measures are essential for conserving ecosystems and biodiversity. The IUCN WCPA protected area management categories are the globally accepted classification system for protected areas by management objective. Trends in the use of the various management categories therefore provide more information about the use of the protected areas as conservation instruments.	

## Link with SDG indicators

SDG indicators	Comments
14.5.1 Coverage of protected areas in relation to marine areas	The SDG indicator is related, but not identical with indicator D-1.1
15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type	The SDG indicator is related, but not identical with indicator D-1.1
15.4.1 Coverage by protected areas of important sites for mountain biodiversity	The SDG indicator is related, but not identical with indicator D-1.1

## Policy references

Title and weblink	Comments
United Nations Convention on Biological Diversity (CBD)	Its action Target 3 aims at ensuring that at least 30 per cent globally of land areas and of sea areas, especially areas of particular importance for biodiversity and its contributions to people, 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 landscapes and seascapes.
<a href="https://www.cbd.int/">https://www.cbd.int/</a>	
Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora	The EU Habitats Directive ensures the conservation of rare, threatened or endemic animal and plant species, as well as 200 rare and characteristic habitat types. Together with the EU Birds Directive, it underpins the EU's Natura 2000 network.
<a href="http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index_en.htm">http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index_en.htm</a>	
Recommendation No. 16 (1989) of the standing committee on areas of special conservation interest of the Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention)	Recommendation No. 16 of the Bern Convention under the Council of Europe calls for a pan-European network of areas of special conservation interest – the Emerald network. This is further concretized through Resolutions 4 (1996) and 6 (1998) of the Convention.
<a href="https://search.coe.int/bern-convention/Pages/result_details.aspx?ObjectId=0900001680746c25">https://search.coe.int/bern-convention/Pages/result_details.aspx?ObjectId=0900001680746c25</a>	
Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions. EU Biodiversity Strategy for 2030. Bringing nature back into our lives.	It calls for the development of a coherent network of protected areas, with at least 30% of the land and 30% of the sea to be protected in the EU by 2030.
<a href="https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1590574123338&amp;uri=CELEX:52020DC0380">https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1590574123338&amp;uri=CELEX:52020DC0380</a>	

Methodology for indicator calculation	Share of protected areas and other effective area-based conservation measures (%) = (total area of protected areas in hectares or km <sup>2</sup> / total area of the country/coastal seas in hectares or km <sup>2</sup> ) × 100.
	Broken down separately for protected areas and other effective area-based conservation measures, and for IUCN WCPA PA management categories

## Methodology references

Title of the reference document	Link
Guidelines for Applying Protected Area Management Categories	<a href="https://portals.iucn.org/library/sites/library/files/documents/pag-021.pdf">https://portals.iucn.org/library/sites/library/files/documents/pag-021.pdf</a>
Evaluating official marine protected area coverage for Aichi Target 11: Appraising the data and methods that define our progress. Aquatic Conservation: Marine and Freshwater Ecosystems 24: 8-23.	<a href="https://www.researchgate.net/publication/285402181_Evaluating_official_marine_protected_area_coverage_for_Aichi_Target_11_Appraising_the_data_and_methods_that_define_our_progress">https://www.researchgate.net/publication/285402181_Evaluating_official_marine_protected_area_coverage_for_Aichi_Target_11_Appraising_the_data_and_methods_that_define_our_progress</a>

Data and statistics needed to compile the indicator

ID	Data item	FDES topic
58	Total areas under protection (IUCN categories of protected areas)	1.2.2: Ecosystems and biodiversity
59	Areas under category Ia protection (IUCN category "strict nature reserve")	1.2.2: Ecosystems and biodiversity
60	Areas under category Ib protection (IUCN category "wilderness area")	1.2.2: Ecosystems and biodiversity
61	Areas under category II protection (IUCN category "national park")	1.2.2: Ecosystems and biodiversity
62	Areas under category III protection (IUCN category "national monument or feature")	1.2.2: Ecosystems and biodiversity
63	Areas under category IV protection (IUCN category "habitat/species management area")	1.2.2: Ecosystems and biodiversity
64	Areas under category V protection (IUCN category "protected landscape / seascape")	1.2.2: Ecosystems and biodiversity
65	Areas under category VI protection (IUCN category "protected area with sustainable use of natural resources")	1.2.2: Ecosystems and biodiversity
66	Country area	1.1.3: Geological and geographical information
226	Total areas designated as other effective area-based conservation measures	1.2.2: Ecosystems and biodiversity
227	Area of territorial seas (up to 12 nm) per country	1.1.3: Geological and geographical information

Comments

Could also be within EEZ, but territorial seas more relevant in our region. WDPA calculates both for territorial seas (up to 12 nm) and for EEZ (up to 200 nm). See Thomas et al. 2014 for a more in-depth discussion on how to calculate marine PA coverage.