UN Biodiversity Lab Data List

UNDP

2024-04-05

For any questions please contact support@unbiodiversitylab.org.

Table 1: UN Biodiversity Lab Data List

Category	Data Name	Status	Download?	Time Series?	Citation(s)
	Public support for lethal control across different human-wildlife conflict scenarios (GWVS)	Published	No	No	Manfredo, M. J. & Teel, T. L., et al. (2023). Global Wildlife Values Survey data prepared for the UNBL.
Agriculture; Climate and Carbon	Crop Suitability 2011-2100	Published	Yes	No	Zabel, F., Putzenlechner, B., Mauser, W., 2014. Global Agricultural Land Resources – A High Resolution Suitability Evaluation and Its Perspectives until 2100 under Climate Change Conditions. PLOS ONE 9, e107522. https://doi.org/10.1371/journal.pone.0107522
Agriculture; Climate and Carbon	Crop Suitability Change 1981-2100	Published	Yes	No	Zabel, F., Putzenlechner, B., Mauser, W., 2014. Global Agricultural Land Resources – A High Resolution Suitability Evaluation and Its Perspectives until 2100 under Climate Change Conditions. PLOS ONE 9, e107522. https://doi.org/10.1371/journal.pone.0107522
Agriculture; Climate and Carbon	Fertilizer (NPK) use per area of cropland (kg/ha)	Published	Yes	No	Food and Agriculture Organization of the United Nations (FAO), 2022. FAOSTAT Main Database. Agri-Environmental Indicators Fertilizers indicators (National - Global - Annual). Available at https://data.apps.fao.org/catalog/dataset/fertilizers-indicators-national-global-annual-faostat/resource/d04f3091-5a24-4f2a-a8b7-0095171ddb1e
Agriculture; Society; Human Impact	Gridded Livestock of the World 3 (GLW3)	Published	Yes	No	Gilbert, M., Nicolas, G., Cinardi, G., Van Boeckel, T.P., Vanwambeke, S.O., Wint, G.R.W., Robinson, T.P., 2018. Global distribution data for cattle, buffaloes, horses, sheep, goats, pigs, chickens and ducks in 2010. Scientific Data 5, 180227. https://doi.org/10.1038/sdata.2018.227

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Allen Coral Atlas	In Development	No	No	Allen Coral Atlas. 2020. Imagery, maps and monitoring of the worlds tropical coral reefs. Zendodo. DOI: doi.org/10.5281/zenodo.3833242 ; Lyons, M.B., Roelfsema, C.M., Kennedy, E.V., Kovacs, E.M., Borrego-Acevedo, R., Markey, K., Roe, M., Yuwono, D.M., Harris, D.L., Phinn, S.R., Asner, G.P., Li, J., Knapp, D.E., Fabina, N.S., Larsen, K., Traganos, D., Murray, N.J., 2020. Mapping the world's coral reefs using a global multiscale earth observation framework. Remote Sensing in Ecology and Conservation 6, 557–568. https://doi.org/10.1002/rse2.157
Biodiversity	Biodiversity Intactness Index	Published	Yes	No	Newbold, T., Hudson, L.N., Arnell, A.P., Contu, S., Palma, A.D., Ferrier, S., Hill, S.L.L., Hoskins, A.J., Lysenko, I., Phillips, H.R.P., Burton, V.J., Chang, C.W.T., Emerson, S., Gao, D., Pask-Hale, G., Hutton, J., Jung, M., Sanchez-Ortiz, K., Simmons, B.I., Whitmee, S., Zhang, H., Purvis, J.P.W.S.& A., 2016. Global map of the Biodiversity Intactness Index, from Newbold et al. (2016) Science. https://doi.org/10.5519/0009936
Biodiversity	Forest Biodiversity Intactness Index	Published	No	No	NA
Biodiversity	Forest Integrity Project: Forest Canopy Height	Published	Yes	No	Hansen, M.C., Potapov, P.V., Goetz, S.J., Turubanova, S., Tyukavina, A., Krylov, A., Kommareddy, A., Egorov, A., 2016. Mapping tree height distributions in Sub-Saharan Africa using Landsat 7 and 8 data. Remote Sensing of Environment, Landsat 8 Science Results 185, 221–232.
Biodiversity	Forest Integrity Project: Forest Fragmentation - 2000	Published	Yes	No	Jantz, P., et al. In Prep. Forest Spatial Morphology Database 1.0.; Hansen, M.C., et al. 2013. High-Resolution Global Maps of 21st-Century Forest Cover Change. Science 342, 850–853. DOI: 10.1126/science.1244693.; Potapov, P., et al., 2017. The last frontiers of wilderness: Tracking loss of intact forest landscapes from 2000 to 2013. Science Advances 3, e1600821. 10.1126/sciadv.1600821.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Forest Integrity Project: Forest Fragmentation - 2012	Published	Yes	No	Jantz, P., et al. In Prep. Forest Spatial Morphology Database 1.0.; Hansen, M.C., et al. 2013. High-Resolution Global Maps of 21st-Century Forest Cover Change. Science 342, 850–853. DOI: 10.1126/science.1244693. Potapov, P., et al., 2017. The last frontiers of wilderness: Tracking loss of intact forest landscapes from 2000 to 2013. Science Advances 3, e1600821. 10.1126/sciadv.1600821.
Biodiversity	Forest Integrity Project: Forest Structural Condition Index (SCI)	Published	Yes	No	Hansen, A., Barnett, K., Jantz, P., Phillips, L., Goetz, S.J., Hansen, M., Venter, O., Watson, J.E.M., Burns, P., Atkinson, S., Rodríguez-Buritica, S., Ervin, J., Virnig, A., Supples, C., Camargo, R.D., 2019. Global humid tropics forest structural condition and forest structural integrity maps. Sci Data 6, 1–12. https://doi.org/10.1038/s41597-019-0214-3
Biodiversity	Forest Integrity Project: Forest Structural Integrity Index (FSII)	Published	Yes	No	Hansen, A., Barnett, K., Jantz, P., Phillips, L., Goetz, S.J., Hansen, M., Venter, O., Watson, J.E.M., Burns, P., Atkinson, S., Rodríguez-Buritica, S., Ervin, J., Virnig, A., Supples, C., Camargo, R.D., 2019. Global humid tropics forest structural condition and forest structural integrity maps. Sci Data 6, 1–12. https://doi.org/10.1038/s41597-019-0214-3
Biodiversity	Forest Landscape Integrity Index (FLII)	Published	Yes	No	Grantham, H.S., Duncan, A., Evans, T.D. et al. Anthropogenic modification of forests means only 40% of remaining forests have high ecosystem integrity. Nat Commun 11, 5978 (2020). https://doi.org/10.1038/s41467-020-19493-3
Biodiversity	Global Forest Watch: Forest Biodiversity Importance	In Development	NA	No	Hill, S.L.L., Arnell, A., Maney, C., Butchart, S.H.M., Hilton-Taylor, C., Ciciarelli, C., Davis, C., Dinerstein, E., Purvis, A., Burgess, N.D., 2019. Measuring Forest Biodiversity Status and Changes Globally. Front. For. Glob. Change 2. https://doi.org/10.3389/ffgc.2019.00070; IUCN, BirdLife International, UNEP-WCMC. 2016. Biodiversity importance. Accessed from Global Forest Watch on 27/11/2020. www.globalforestwatch.org.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Global Forest Watch: Forest Biodiversity Intactness	In Development	NA	No	Dataset: UNEP-WCMC and Natural History Museum. "Biodiversity Intactness." Accessed from Global Forest Watch on 27/11/2020. www.globalforestwatch.org; Paper: Hill, S. L. et al. (2019). Measuring forest biodiversity status and changes globally. Frontiers in Forests and Global Change, 2, 70.
Biodiversity	Global Habitats	Published	Yes	No	Jung, M., P. R. Dahal, S. H. M. Butchart, P. F. Donald, X. De Lamo, M. Lesiv, V. Kapos, C. Rondinini, and P. Visconti. 2020. A global map of terrestrial habitat types. Scientific Data 7:256. https://doi.org/10.5281/zenodo.3666245
Biodiversity	Global Mangrove Watch (SDG 6.6.1 Indicator)	Published	NA	No	Bunting, P., Rosenqvist, A., Lucas, R.M., Rebelo, L.-M., Hilarides, L., Thomas, N., Hardy, A., Itoh, T., Shimada, M., Finlayson, C.M., 2018. The Global Mangrove Watch—A New 2010 Global Baseline of Mangrove Extent. Remote Sensing 10, 1669. https://doi.org/10.3390/rs10101669; Thomas, N., Lucas, R., Bunting, P., Hardy, A., Rosenqvist, A., Simard, M., 2017. Distribution and drivers of global mangrove forest change, 1996–2010. PLOS ONE 12, e0179302. https://doi.org/10.1371/journal.pone.0179302
Biodiversity	Global Potential Habitats	Published	Yes	No	Jung, M. (2020). A layer of global potential habitats (Version 004) [Data set]. Zenodo. https://doi.org/10.5281/zenodo.4038749
Biodiversity	High Biodiversity Areas	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Biodiversity	IUCN Species Richness	Published	No	No	IUCN. 2023. The IUCN Red List of Threatened Species. Version 2023-1. https://www.iucnredlist.org. Accessed on [day month year].
Biodiversity	IUCN Threatened Species Richness	Published	No	No	IUCN. 2023. The IUCN Red List of Threatened Species. Version 2023-1. https://www.iucnredlist.org. Accessed on [day month year].

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Intact Forest Landscapes (IFLs)	Published	Yes	No	Potapov, P., Hansen, M.C., Laestadius, L., Turubanova, S., Yaroshenko, A., Thies, C., Smith, W., Zhuravleva, I., Komarova, A., Minnemeyer, S., Esipova, E., 2017. The last frontiers of wilderness: Tracking loss of intact forest landscapes from 2000 to 2013. Science Advances 3, e1600821. https://doi.org/10.1126/sciadv.1600821
Biodiversity	Intact Wilderness Areas	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Biodiversity	Key Biodiversity Areas (Public)	Published	No	No	BirdLife International, 2024. World Database of Key Biodiversity Areas. Developed by the KBA Partnership.
Biodiversity	Large Mammal Landscape	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Biodiversity	Living Planet Index	Published	No	No	Zoological Society of London (ZSL) and WWF International (WWF). LPI 2024. Living Planet Index database. 2024. < www.livingplanetindex.org/>
Biodiversity	Mammalian Genetic Diversity	Published	Yes	No	Theodoridis, S., Fordham, D.A., Brown, S.C. et al. Evolutionary history and past climate change shape the distribution of genetic diversity in terrestrial mammals. Nat Commun 11, 2557 (2020). https://doi.org/10.1038/s41467-020-16449-5
Biodiversity	Potential Wildlife Corridors	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Rare Species Sites	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Biodiversity	Rarity-Weighted Richness	Published	No	No	UNEP-WCMC (2020) Rarity-weighted species richness. Derived from Areas of Habitat maps created from data from the IUCN Red List, BirdLife International, the Global Assessment of Reptile Distributions (GARD), the Botanical Information and Ecology Network (BIEN) database and additional vascular plant species ranges were created from point data from the IUCN Red List, Botanic Gardens Conservation International (BGCI), the Global Biodiversity Information Facility (GBIF) and iNaturalist. Cambridge, UK.
Biodiversity	Red List Index 2023	Published	Yes	No	IUCN 2024. The IUCN Red List of Threatened Species. Version 2023-1. Available at: https://www.iucnredlist.org.
Biodiversity	Species Richness	Published	No	No	UNEP-WCMC (2020) Species richness. Derived from Areas of Habitat maps created from data from the IUCN Red List, BirdLife International, the Global Assessment of Reptile Distributions (GARD), the Botanical Information and Ecology Network (BIEN) database and additional vascular plant species ranges were created from point data from the IUCN Red List, Botanic Gardens Conservation International (BGCI), the Global Biodiversity Information Facility (GBIF) and iNaturalist. Cambridge, UK.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	Terrestrial Biomes (Ecoregions2017)	Published	Yes	No	Dinerstein, E., Olson, D., Joshi, A., Vynne, C., Burgess, N.D., Wikramanayake, E., Hahn, N., Palminteri, S., Hedao, P., Noss, R., Hansen, M., Locke, H., Ellis, E.C., Jones, B., Barber, C.V., Hayes, R., Kormos, C., Martin, V., Crist, E., Sechrest, W., Price, L., Baillie, J.E.M., Weeden, D., Suckling, K., Davis, C., Sizer, N., Moore, R., Thau, D., Birch, T., Potapov, P., Turubanova, S., Tyukavina, A., de Souza, N., Pintea, L., Brito, J.C., Llewellyn, O.A., Miller, A.G., Patzelt, A., Ghazanfar, S.A., Timberlake, J., Klöser, H., Shennan-Farpón, Y., Kindt, R., Lillesø, J.-P.B., van Breugel, P., Graudal, L., Voge, M., Al-Shammari, K.F., Saleem, M., 2017. An Ecoregion-Based Approach to Protecting Half the Terrestrial Realm. BioScience 67, 534–545. https://doi.org/10.1093/biosci/bix014
Biodiversity	Threatened Species Rarity-Weighted Richness	Published	No	No	UNEP-WCMC (2020) Threatened rarity-weighted species richness refined by area of habitat derived from range maps from the IUCN Red List (IUCN Red List of Threatened Species (2019) Version 2019.2. www.iucnredlist.org), the Global Assessment of Reptile Distributions (GARD) (Roll et al. (2017), Version 1.5, datadryad.org/stash/dataset/doi:10.5061/dryad.83s7k) and the Botanical Information and Ecology Network (BIEN) database (Enquist et al. 2019 and Maitner et al. 2017, version 4.1. http://bien.nceas.ucsb.edu/bien/biendata/) and additional vascular plant species ranges were created from point data from the IUCN Red List, Botanic Gardens Conservation International (BGCI) (www.bgci.org) and the Global Biodiversity Information Facility (GBIF) (www.gbif.org).the IUCN Red List, BirdLife International.
Biodiversity	Threatened Species Richness	Published	No	No	UNEP-WCMC (2020) Threatened species richness. Derived from Areas of Habitat maps created from data from the IUCN Red List, BirdLife International, the Global Assessment of Reptile Distributions (GARD), the Botanical Information and Ecology Network (BIEN) database and additional vascular plant species ranges were created from point data from the IUCN Red List, Botanic Gardens Conservation International (BGCI), the Global Biodiversity Information Facility (GBIF) and iNaturalist. Cambridge, UK.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity	World Terrestrial Ecosystems	Published	Yes	No	Sayre, R., Karagulle, D., Frye, C., Boucher, T., Wolff, N.H., Breyer, S., Wright, D., Martin, M., Butler, K., Van Graafeiland, K., Touval, J., Sotomayor, L., McGowan, J., Game, E.T., Possingham, H., 2020. An assessment of the representation of ecosystems in global protected areas using new maps of World Climate Regions and World Ecosystems. Global Ecology and Conservation 21, e00860. https://doi.org/10.1016/j.gecco.2019.e00860
Biodiversity; Climate and Carbon	Bioclimatic Ecosystem Resilience Index (BERI)	Published	Yes	No	Harwood, Tom; Ware, Chris; Hoskins, Andrew; Ferrier, Simon; Bush, Alex; Golebiewski, Maciej; Hill, Samantha; Ota, Noboru; Perry, Justin; Purvis, Andy; Williams, Kristen (2022): BERI v2: Bioclimatic Ecosystem Resilience Index: 30s global time series. v1. CSIRO. Data Collection. https://doi.org/10.25919/437m-8b91
Biodiversity; Climate and Carbon; Nature Based Solutions	Areas of global significance for biodiversity conservation and carbon storage.	Published	No	No	Jung, M., Arnell, A., de Lamo, X., García-Rangel, S., Lewis, M., Mark, J., Merow, C., Miles, L., et al. (2021). Areas of global importance for conserving terrestrial biodiversity, carbon, and water. Nature Ecology and Evolution DOI: 10.1038/s41559-021-01528-7
Biodiversity; Climate and Carbon; Water; Nature Based Solutions	Areas of global significance for biodiversity conservation, carbon storage and water provision	Published	No	No	Jung, M., Arnell, A., de Lamo, X., García-Rangel, S., Lewis, M., Mark, J., Merow, C., Miles, L., et al. (2021). Areas of global importance for conserving terrestrial biodiversity, carbon, and water. Nature Ecology and Evolution DOI: 10.1038/s41559-021-01528-7
Biodiversity; Ecosystem Services	Tree Loss 2000-2020 (metric layer)	Published	NA	No	NA
Biodiversity; Ecosystem Services; Water	Coral Reef Connectivity	Published	Yes	No	Beyer, H.L., Kennedy, E.V., Wood, S., Puotinen, M., Skirving, W., Hoegh-Guldberg, O. 2019. 50 Reefs Global Coral Ocean Warming, Connectivity and Cyclone Dataset. The University of Queensland. Data Collection. https://doi.org/10.14264/uql.2019.782. Accessed through UN Biodiversity Lab (date) and Resource Watch. www.resourcewatch.org.; Wood, S., Paris, C.B., Ridgwell, A., Hendy, E.J., 2014. Modelling dispersal and connectivity of broadcast spawning corals at the global scale. Global Ecology and Biogeography 23, 1–11. https://doi.org/10.1111/geb.12101

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Biodiversity; Ecosystem Services; Water	Coral Reef Shoreline Protection Value	Published	NA	No	Beck MW, Losada IJ, Menéndez P, Reguero BG, Díaz-Simal P, Fernández F. 2018. The global flood protection savings provided by coral reefs. Nature Communications 9:2186. Nature Publishing Group.; Burke L, Spalding M. 2022. Shoreline protection by the world's coral reefs: Mapping the benefits to people, assets, and infrastructure. Marine Policy 146:105311.
Biodiversity; Human Impact	Global map of the number of invasive alien species (IAS) per country	Published	Yes	No	Turbelin, A.J., Malamud, B.D. and Francis, R.A. (2017), Mapping the global state of invasive alien species: patterns of invasion and policy responses. Global Ecol. Biogeogr., 26: 78-92. https://doi.org/10.1111/geb.12517
Biodiversity; Human Impact	Human Impact on Forests	Published	No	No	Lesiv, M., Schepaschenko, D., Buchhorn, M. et al. Global forest management data for 2015 at a 100 m resolution. Sci Data 9, 199 (2022).
Biodiversity; Nature Based Solutions	Areas of global significance for biodiversity conservation	Published	No	No	Jung, M., Arnell, A., de Lamo, X., García-Rangel, S., Lewis, M., Mark, J., Merow, C., Miles, L., et al. (2021). Areas of global importance for conserving terrestrial biodiversity, carbon, and water. Nature Ecology and Evolution DOI: 10.1038/s41559-021-01528-7
Biodiversity; Protected and Conserved Areas	Protected Area Representative-ness Index (PARC-Representativenes	Published	Yes	No	Harwood, Tom; Ware, Chris; Hoskins, Andrew; Ferrier, Simon; Bush, Alex; Golebiewski, Maciej; Ota, Noboru; Perry, Justin; Williams, Kristen (2022): PARC: Protected Area Representativeness Index: 30s global time series. v1. CSIRO. Data Collection. https://doi.org/10.25919/ya24-5630
Biodiversity; Sustainable Develop-ment	Total official development assistance (ODA) for biodiversity - by donor countries	Published	Yes	No	OECD (2020), Tracking Economic Instruments and Finance for Biodiversity - 2020.
Biodiversity; Water; Nature Based Solutions	Areas of global significance for biodiversity conservation and water provision	Published	No	No	Jung, M., Arnell, A., de Lamo, X., García-Rangel, S., Lewis, M., Mark, J., Merow, C., Miles, L., et al. (2021). Areas of global importance for conserving terrestrial biodiversity, carbon, and water. Nature Ecology and Evolution DOI: 10.1038/s41559-021-01528-7
Boundaries	Contiguous Zone (24 NM)	Published	Yes	No	Flanders Marine Institute (2023). Maritime Boundaries Geodatabase: Contiguous Zones (24NM), version 4. Available online at https://www.marineregions.org/ https://doi.org/10.14284/630

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Boundaries	Exclusive Economic Zone (EEZ)	Published	Yes	No	Flanders Marine Institute (2023). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 12. Available online at https://www.marineregions.org/. https://doi.org/10.14284/632
Boundaries	Marine Ecoregions & Pelagic Provinces of the World (MEOW - PPOW)	Published	Yes	No	Spalding, M.D., Fox, H.E., Allen, G.R., Davidson, N., Ferdaña, Z.A., Finlayson, M., Halpern, B.S., Jorge, M.A., Lombana, A., Lourie, S.A., Martin, K.D., McManus, E., Molnar, J., Recchia, C.A., Robertson, J., 2007. Marine Ecoregions of the World: A Bioregionalization of Coastal and Shelf Areas. BioScience 57, 573–583. https://doi.org/10.1641/B570707
Boundaries	Territorial Seas (12 NM)	Published	Yes	No	Flanders Marine Institute (2023). Maritime Boundaries Geodatabase: Territorial Seas (12NM), version 4. Available online at https://www.marineregions.org/. https://doi.org/10.14284/633
Built Environment	Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities	Published	Yes	No	UN-Habitat Indicators Database, 2020. Indicator 11.7.1: Average share of the built-up area of cities that is open space for public use for all (%). Available at: https://data.unhabitat.org/pages/open-spaces-and-green-areas
Built Environment	Global Georeferenced Database of Dams (GOODD) - Catchments	Published	Yes	No	Mulligan, M., van Soesbergen, A., Sáenz, L., 2020. GOODD, a global dataset of more than 38,000 georeferenced dams. Scientific Data 7, 31. https://doi.org/10.1038/s41597-020-0362-5
Built Environment	Global Georeferenced Database of Dams (GOODD) - Dams	Published	Yes	No	Mulligan, M., van Soesbergen, A., Sáenz, L., 2020. GOODD, a global dataset of more than 38,000 georeferenced dams. Scientific Data 7, 31. https://doi.org/10.1038/s41597-020-0362-5
Built Environment; Human Impact	VIIRS Nightlights 2014-2020	Published	Yes	No	Mills, S., Weiss, S., Liang, C. 2013. VIIRS day/night band (DNB) stray light characterization and correction. Presented at the Proc.SPIE. https://doi.org/10.1117/12.2023107

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Built Environment; Society; Human Impact	Global Solar Atlas: Yearly Average Potential Photovoltaic Electricity Production	Published	Yes	No	ESMAP. 2020. Global Photovoltaic Power Potential by Country. Washington, DC: World Bank. https://globalsolaratlas.info Global Solar Atlas 2.0 : Technical Report (English). Energy Sector Management Assistance Program Washington, D.C. : World Bank Group. http://documents.worldbank.org/curated/en/529431592 Solar-Atlas-2-0-Technical-Report
Climate and Carbon	Aboveground Biomass Carbon Density 2010	Published	Yes	No	Spawn, S.A., and H.K. Gibbs. 2020. Global Aboveground and Belowground Biomass Carbon Density Maps for the Year 2010. ORNL DAAC, Oak Ridge, Tennessee, USA. https://doi.org/10.3334/ORNLDAAC/1763
Climate and Carbon	Belowground Biomass Carbon Density 2010	Published	Yes	No	Spawn, S.A., and H.K. Gibbs. 2020. Global Aboveground and Belowground Biomass Carbon Density Maps for the Year 2010. ORNL DAAC, Oak Ridge, Tennessee, USA. https://doi.org/10.3334/ORNLDAAC/1763
Climate and Carbon	Central Congo Basin peat carbon density	Published	Yes	No	Crezee B et al. 2022. Mapping peat thickness and carbon stocks of the central Congo Basin using field data. Nature Geoscience 15:639–644.
Climate and Carbon	Central Congo Basin peat swamp forest probability	Published	Yes	No	Crezee B et al. 2022. Mapping peat thickness and carbon stocks of the central Congo Basin using field data. Nature Geoscience 15:639–644.
Climate and Carbon	Central Congo Basin peat thickness	Published	Yes	No	Crezee B et al. 2022. Mapping peat thickness and carbon stocks of the central Congo Basin using field data. Nature Geoscience 15:639–644.
Climate and Carbon	Change in Aboveground Woody Carbon Density 2003-2014	Published	No - need to confirm if re-projection restricts sharing	No	Baccini, A., Walker, W., Carvalho, L., Farina, M., Sulla-Menashe, D., Houghton, R.A., 2017. Tropical forests are a net carbon source based on aboveground measurements of gain and loss. Science 358, 230–234. https://doi.org/10.1126/science.aam5962

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Climate and Carbon	Chlorophyll-a concentration in seawater (1998-2023)	Published	Yes	No	Sathyendranath, S, Brewin, RJW, Brockmann, C, Brotas, V, Calton, B, Chuprin, A, Cipollini, P, Couto, AB, Dingle, J, Doerffer, R, Donlon, C, Dowell, M, Farman, A, Grant, M, Groom, S, Horseman, A, Jackson, T, Krasemann, H, Lavender, S, Martinez-Vicente, V, Mazeran, C, Mélin, F, Moore, TS, Müller, D, Regner, P, Roy, S, Steele, CJ, Steinmetz, F, Swinton, J, Taberner, M, Thompson, A, Valente, A, Zühlke, M, Brando, VE, Feng, H, Feldman, G, Franz, BA, Frouin, R, Gould, Jr., RW, Hooker, SB, Kahru, M, Kratzer, S, Mitchell, BG, Muller-Karger, F, Sosik, HM, Voss, KJ, Werdell, J, and Platt, T (2019) An ocean-colour time series for use in climate studies: the experience of the Ocean-Colour Climate Change Initiative (OC-CCI). Sensors: 19, 4285. doi:10.3390/s19194285; Sathyendranath, S.; Jackson, T.; Brockmann, C.; Brotas, V.; Calton, B.; Chuprin, A.; Clements, O.; Cipollini, P.; Danne, O.; Dingle, J.; Donlon, C.; Grant, M.; Groom, S.; Krasemann, H.; Lavender, S.; Mazeran, C.; Mélin, F.; Müller, D.; Steinmetz, F.; Valente, A.; Zühlke, M.; Feldman, G.; Franz, B.; Frouin, R.; Werdell, J.; Platt, T. (2021): ESA Ocean Colour Climate Change Initiative (Ocean_Colour_cci): Version 5.0 Data. NERC EDS Centre for Environmental Data Analysis, 19 May 2021. doi:10.5285/1dbe7a109c0244aaad713e078fd3059a. http://dx.doi.org/10.5285/1dbe7a109c0244aaad713e07 Source: European Space Agency (ESA)
Climate and Carbon	GLOSIS - Global Soil Organic Carbon	Published	Yes	No	FAO GSP and ITPS, 2019. Global Soil Organic Carbon Map (GSOC map)
Climate and Carbon	Global Mangrove Soil Carbon	Published	Yes	No	Sanderman, J., Hengl, T., Fiske, G., Solvik, K., Adame, M.F., Benson, L., Bukoski, J.J., Carnell, P., Cifuentes-Jara, M., Donato, D., Duncan, C., Eid, E.M., Ermgassen, P. zu, Lewis, C.J.E., Macreadie, P.I., Glass, L., Gress, S., Jardine, S.L., Jones, T.G., Nsombo, E.N., Rahman, M.M., Sanders, C.J., Spalding, M., Landis, E., 2018. A global map of mangrove forest soil carbon at 30 m spatial resolution. Environ. Res. Lett. 13, 055002. https://doi.org/10.1088/1748-9326/aabe1c
Climate and Carbon	Live Biomass Carbon Density	Published	No	No	García-Rangel, S. et al. (In prep) Global distribution of natural carbon stocks potentially vulnerable to land use changes

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Climate and Carbon	WCMC Terrestrial Carbon 2010	Published	Yes	No	Soto-Navarro C., Ravilious C., Arnell A., de Lamo X., Harfoot M., Hill S. L. L., Wearn O. R., Santoro M., Bouvet A., Mermoz S., Le Toan T., Xia J., Liu S., Yuan W., Spawn S. A., Gibbs H. K., Ferrier S., Harwood T., Alkemade R., Schipper A. M., Schmidt-Traub G., Strassburg B., Miles L., Burgess N. D. and Kapos V. (2020) Mapping co-benefits for carbon storage and biodiversity to inform conservation policy and action. Philosophical Transactions of the Royal Society B. 375
Climate and Carbon; Agriculture	Increase in SOC on Croplands After 20 Years	Published	Yes	No	Zomer, R.J., Bossio, D.A., Sommer, R., Verchot, L.V., 2017. Global Sequestration Potential of Increased Organic Carbon in Cropland Soils. Scientific Reports 7, 15554. https://doi.org/10.1038/s41598-017-15794-8
Climate and Carbon; Built Environment; Human Impact	Concentrations of fine particulate matter (PM2.5) in urban areas	Published	Yes	No	World Health Organization (WHO), 2023. The Global Health Observatory. Annual mean concentration of particulate matter of less than 2.5 microns of diameter (PM2.5) [ug/m3] in urban areas. Available at: https://www.who.int/data/gho/data/indicators/indicator-details/GHO/concentrations-of-fine-particulate-matter-(pm2-5)
Climate and Carbon; Ecosystem Services	Tier 1 Climate Stabilisation Areas	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A “Global Safety Net” to reverse biodiversity loss and stabilize Earth’s climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Climate and Carbon; Ecosystem Services	Tier 2 Climate Stabilisation Areas	Published	Yes	No	Dinerstein, E., Joshi, A.R., Vynne, C., Lee, A.T.L., Pharand-Deschênes, F., França, M., Fernando, S., Birch, T., Burkart, K., Asner, G.P., Olson, D., 2020. A “Global Safety Net” to reverse biodiversity loss and stabilize Earth’s climate. Science Advances 6, eabb2824. https://doi.org/10.1126/sciadv.abb2824
Climate and Carbon; Human Impact	Ecological footprint	Published	Yes	No	York University Ecological Footprint Initiative & Global Footprint Network. Public Data Package of the National Footprint and Biocapacity Accounts, 2023 edition. Produced for the Footprint Data Foundation and distributed by Global Footprint Network. Available online at: https://data.footprintnetwork.org.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Climate and Carbon; Land Use & Land Cover	Central Congo Basin peatland classification	Published	Yes	No	Dargie GC, Lewis SL, Lawson IT, Mitchard ETA, Page SE, Bocko YE & Ifo, SA. 2017. Age, extent and carbon storage of the central Congo Basin peatland complex. Nature, doi:10.1038/nature21048; Crezee B et al. 2022. Mapping peat thickness and carbon stocks of the central Congo Basin using field data. Nature Geoscience 15:639–644.
Climate and Carbon; Nature Based Solutions	Vulnerable Soil Organic Carbon Density	Published	No	No	García-Rangel, S. et al. (In prep) Global distribution of natural carbon stocks potentially vulnerable to land use changes.
Climate and Carbon; Water	Global Patterns in Marine Sediment Carbon Stocks Carbon	Published	Yes	No	Atwood, T.B., Witt, A., Mayorga, J., Hammill, E., Sala, E., 2020. Global Patterns in Marine Sediment Carbon Stocks. Front. Mar. Sci. 7. https://doi.org/10.3389/fmars.2020.00165
Ecosystem Services	MODIS Enhanced Vegetation Index (EVI) Sum 2000-2019	Published	Yes	No	Didan, K. (2015). MOD13Q1 MODIS/Terra Vegetation Indices 16-Day L3 Global 250m SIN Grid V006 [Data set]. NASA EOSDIS Land Processes DAAC. Accessed 2020-02-10 from https://doi.org/10.5067/MODIS/MOD13Q1.006
Ecosystem Services	MODIS Gross Primary Production (GPP)	Published	Yes	No	Running, S., Mu, Q., Zhao, M. (2015). MOD17A2H MODIS/Terra Gross Primary Productivity 8-Day L4 Global 500m SIN Grid V006 [Data set]. NASA EOSDIS Land Processes DAAC. Accessed 2021-01-22 from https://doi.org/10.5067/MODIS/MOD17A2H.006
Ecosystem Services	MODIS NDVI 2000 - 2020	Published	Yes	No	Didan, K. (2015). MOD13Q1 MODIS/Terra Vegetation Indices 16-Day L3 Global 250m SIN Grid V006 [Data set]. NASA EOSDIS Land Processes DAAC. Accessed 2020-12-07 from https://doi.org/10.5067/MODIS/MOD13Q1.006
Ecosystem Services	MODIS Net Primary Production (NPP)	Published	Yes	No	Running, S., Zhao, M. (2019). MOD17A3HGF MODIS/Terra Net Primary Production Gap-Filled Yearly L4 Global 500 m SIN Grid V006 [Data set]. NASA EOSDIS Land Processes DAAC. Accessed 2021-01-25 from https://doi.org/10.5067/MODIS/MOD17A3HGF.006
Ecosystem Services	Potential Natural Vegetation	Published	No	No	Hengl, Tomislav, Jung, Martin, & Visconti, Piero. (2020). Potential distribution of land cover classes (Potential Natural Vegetation) at 250 m spatial resolution (v0.1) [Data set]. Zenodo. https://doi.org/10.5281/zenodo.3631254

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Ecosystem Services; Agriculture	Global Land Productivity Dynamic Dataset Product	Published	Yes	No	Yuran Cui, Xiaosong Li, 2022. Global Land Productivity Dynamic Dataset Product. https://doi.org/10.11922/sciencedb.j00076.00084
Ecosystem Services; Biodiversity	Key ecosystem assets (UNEP)	Published	No	No	Dickson, B., Blaney, R. Miles, L., Regan, E., van Soesbergen, A.,Väänänen, E., Blyth, S., Harfoot, M. Martin, C.S., McOwen, C., Newbold, T., van Bochove, J. (2014). Towards a global map of natural capital: key ecosystem assets. UNEP, Nairobi, Kenya.
Ecosystem Services; Society; Sustainable Develop-ment	Potential Clean Water Provision	Published	No	No	Mulligan, M. (2019) Potential Clean Water Provision. Model results from the Costingnature version 3 policy support system (non commercial-use). http://www.policysupport.org/costingnature [prepared by user mark.mulligan_kcl.ac.uk]
Ecosystem Services; Society; Sustainable Develop-ment	Realised Clean water provision	Published	No	No	Mulligan, M. (2019) Relative realised water provisioning services index. Model results from the Costingnature version 3 policy support system (non commercial-use). http://www.policysupport.org/costingnature [prepared by user mark.mulligan_kcl.ac.uk]
Ecosystem Services; Water	Aqueduct Global Database Current - Baseline Water Stress	Published	No	No	Gassert, F., M. Landis, M. Luck, P. Reig, and T. Shiao. 2014. Aqueduct Global Maps 2.1. Working Paper. Washington, DC: World Resources Institute. Available online at http://www.wri.org/publication/aqueduct-metadata-global.
Human Impact	Food Waste Index	Published	Yes	No	United Nations Environment Programme (UNEP). 2021. "UNEP Food Waste Index Report 2021". Available at: https://www.unep.org/resources/report/unep-food-waste-index-report-2021; Forbes & Quested. 02.05.2021. "Food Waste Index - Level 1 Annex". Supporting database for the UNEP Food Waste Index Report 2021.
Human Impact	Human Modification Index	Published	No	No	Theobald, D. M., Kennedy, C., Chen, B., Oakleaf, J., Baruch-Mordo, S., and Kiesecker, J. 2020. Earth transformed: detailed mapping of global human modification from 1990 to 2017, Earth Syst. Sci. Data., https://doi.org/10.5194/essd-2019-252.
Human Impact	Human Pressures	Published	No	No	UNEP-WCMC (2020). Human pressures on biodiversity, water and carbon. Cambridge, UK.
Human Impact	Material footprint per capita	Published	Yes	No	United Nations Development Programme (UNDP) Human Development Reports. 2024. "Material footprint per capita (tonnes) 1990-2022 time series." Data Center. Available at: https://hdr.undp.org/data-center/documentation-and-downloads

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Human Impact	Spatial distribution of micro-and macroplastics in large marine ecosystems	Published	No	No	Eriksen M, Lebreton LCM, Carson HS, Thiel M, Moore CJ, Borerro JC, et al. (2014) Plastic Pollution in the World's Oceans: More than 5 Trillion Plastic Pieces Weighing over 250,000 Tons Afloat at Sea. PLoS ONE 9(12): e111913. https://doi.org/10.1371/journal.pone.0111913
Human Impact	World Atlas of Desertification (WAD)	Published	No	No	Cherlet, M., Hutchinson, C., Reynolds, J., Hill, J., Sommer, S., von Maltitz, G. (Eds.), World Atlas of Desertification, Publication Office of the European Union, Luxembourg, 2018. doi:10.2760/06292
Human Impact; Agriculture	Global pesticide risk scores	Published	Yes	No	Tang F.H.M, Lenzen M., McBratney A., and Maggi F. (2021). Risk of pesticide pollution at the global scale, Nature Geoscience.; Tang, Fiona; McBratney, Alex; maggi, federico; Lenzen, Manfred (2021). Global pesticide pollution risk data sets. figshare. Dataset. https://doi.org/10.6084/m9.figshare.10302218.v1
Human Impact; Built Environment	DMSP-OLS/VIIRS harmonized global nighttime light dataset 1992 to 2018	Published	Yes	No	Li, X., Zhou, Y., Zhao, M., Zhao, X., 2020. A harmonized global nighttime light dataset 1992–2018. Scientific Data 7, 168. https://doi.org/10.1038/s41597-020-0510-y
Human Impact; Land Use & Land Cover	Natural and Modified Habitat Screening Layer	Published	Yes	No	Gosling, J., Jones, M. I., Arnell, A., Venter, O., Watson, J. E. M., Baquero, A. C., & Burgess, N. D. (2020). Natural and Modified Habitat Screening Layer [Data set]. UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC). https://doi.org/10.34892/4Q5V-GF37
Human Impact; Society	Human Footprint Difference 1993,2009 v1	Published	Yes	No	Venter, O., Sanderson, E.W., Magrach, A., Allan, J.R., Beher, J., Jones, K.R., Possingham, H.P., Laurance, W.F., Wood, P., Fekete, B.M., Levy, M.A., Watson, J.E.M., 2016. Sixteen years of change in the global terrestrial human footprint and implications for biodiversity conservation. Nature Communications 7, 12558. https://doi.org/10.1038/ncomms12558
Human Impact; Society	Human Footprint Difference 2000,2013 v2	Published	Yes	No	Williams, B.A., Venter, O., Allan, J.R., Atkinson, S.C., Rehbein, J.A., Ward, M., Marco, M.D., Grantham, H.S., Ervin, J., Goetz, S.J., Hansen, A.J., Jantz, P., Pillay, R., Rodríguez-Buriticá, S., Supples, C., Virnig, A.L.S., Watson, J.E.M., 2020. Change in Terrestrial Human Footprint Drives Continued Loss of Intact Ecosystems. One Earth 3, 371–382. https://doi.org/10.1016/j.oneear.2020.08.009

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Human Impact; Society; Water	Global Fishing Watch: Annual Fishing Hours 2016	Published	NA	No	Kroodsma, D.A., Mayorga, J., Hochberg, T., Miller, N.A., Boerder, K., Ferretti, F., Wilson, A., Bergman, B., White, T.D., Block, B.A., Woods, P., Sullivan, B., Costello, C., Worm, B., 2018. Tracking the global footprint of fisheries. Science 359, 904–908. https://doi.org/10.1126/science.aao5646
Human Impact; Water	Global Chlorophyll Statistics by EEZ	Published	Yes	No	Sathyendranath, S, Brewin, RJW, Brockmann, C, Brotas, V, Calton, B, Chuprin, A, Cipollini, P, Couto, AB, Dingle, J, Doerffer, R, Donlon, C, Dowell, M, Farman, A, Grant, M, Groom, S, Horseman, A, Jackson, T, Krasemann, H, Lavender, S, Martinez-Vicente, V, Mazeran, C, Mélin, F, Moore, TS, Müller, D, Regner, P, Roy, S, Steele, CJ, Steinmetz, F, Swinton, J, Taberner, M, Thompson, A, Valente, A, Zühlke, M, Brando, VE, Feng, H, Feldman, G, Franz, BA, Frouin, R, Gould, Jr., RW, Hooker, SB, Kahru, M, Kratzer, S, Mitchell, BG, Muller-Karger, F, Sosik, HM, Voss, KJ, Werdell, J, and Platt, T (2019) An ocean-colour time series for use in climate studies: the experience of the Ocean-Colour Climate Change Initiative (OC-CCI). Sensors: 19, 4285. doi:10.3390/s19194285; Sathyendranath, S.; Jackson, T.; Brockmann, C.; Brotas, V.; Calton, B.; Chuprin, A.; Clements, O.; Cipollini, P.; Danne, O.; Dingle, J.; Donlon, C.; Grant, M.; Groom, S.; Krasemann, H.; Lavender, S.; Mazeran, C.; Mélin, F.; Müller, D.; Steinmetz, F.; Valente, A.; Zühlke, M.; Feldman, G.; Franz, B.; Frouin, R.; Werdell, J.; Platt, T. (2021): ESA Ocean Colour Climate Change Initiative (Ocean_Colour_cci): Version 5.0 Data. NERC EDS Centre for Environmental Data Analysis, 19 May 2021. doi:10.5285/1dbe7a109c0244aaad713e078fd3059a. http://dx.doi.org/10.5285/1dbe7a109c0244aaad713e07
Human Impact; Water	Marine Pollution Index	Published	Yes	No	Halpern, B.S., Frazier, M., Potapenko, J., Casey, K.S., Koenig, K., Longo, C., Lowndes, J.S., Rockwood, R.C., Selig, E.R., Selkoe, K.A., Walbridge, S., 2015. Spatial and temporal changes in cumulative human impacts on the world's ocean. Nature Communications 6, 7615. https://doi.org/10.1038/ncomms8615

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Land Use & Land Cover	ALOS Global Digital Surface Model	Published	Yes	No	Japan Aerospace Exploration Agency (2021). ALOS World 3D 30 meter DEM. V3.2, Jan 2021. Distributed by OpenTopography. https://doi.org/10.5069/G94M92HB. Accessed: 2022-09-06
Land Use & Land Cover	ESA CCI Land Cover (1992-2020)	Published	No	No	Defourny, P., Lamarche, C., Bontemps, S., De Maet, T., Van Bogaert, E., Moreau, I., Brockmann, C., Boettcher, M., Kirches, G., Wevers, J., Santoro, M., Ramoino, F., & Arino, O. (2017). Land Cover Climate Change Initiative - Product User Guide v2. Issue 2.0. http://maps.elie.ucl.ac.be/CCI/viewer/download/ESACCI LC-Ph2-PUGv2_2.0.pdf
Land Use & Land Cover	ESA CGLS Land Cover 2015-2019 (100m)	Published	Yes	No	Buchhorn, M., Lesiv, M., Tsendbazar, N.E., Herold, M., Bertels, L., Smets, B. 2020. Copernicus Global Land Cover Layers—Collection 2. Remote Sensing 2020, 12 Volume 108, 1044. doi:10.3390/rs12061044
Land Use & Land Cover	Esri 2020 Land Cover 10m (IO)	Published	Yes	No	Karra, Kontgis, et al. "Global land use/land cover with Sentinel-2 and deep learning." IGARSS 2021-2021 IEEE International Geoscience and Remote Sensing Symposium. IEEE, 2021.
Land Use & Land Cover	NICFI Satellite Data Program	Published	No	No	Planet Labs IBC, 2024. NICFI Satellite Data Program. Available at: https://www.planet.com/nicfi/
Land Use & Land Cover; Biodiversity	Global Forest Change	Published	Yes	No	Hansen, M.C., Potapov, P.V., Moore, R., Hancher, M., Turubanova, S.A., Tyukavina, A., Thau, D., Stehman, S.V., Goetz, S.J., Loveland, T.R., Kommareddy, A., Egorov, A., Chini, L., Justice, C.O., Townshend, J.R.G., 2013. High-Resolution Global Maps of 21st-Century Forest Cover Change. Science 342, 850–853. https://doi.org/10.1126/science.1244693
Land Use & Land Cover; Boundaries	Global Islands Explorer	In Development	Yes	No	USGS/ESRI/WCMC/Island Conservation. (2018). Global Islands Explorer. Retrieved from https://rmgsc.cr.usgs.gov/gie/gie.shtml.
Land Use & Land Cover; Built Environment; Human Impact	Global Grid of Probabilities of Urban Expansion to 2030	Published	Yes	No	Seto, K.C., Güneralp, B., Hutyra, L.R., 2012. Global forecasts of urban expansion to 2030 and direct impacts on biodiversity and carbon pools. PNAS 109, 16083–16088. https://doi.org/10.1073/pnas.1211658109

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Land Use & Land Cover; Built Environment; Human Impact	Global Human Settlements	In Development	NA	No	NA
Land Use & Land Cover; Built Environment; Human Impact	Global Mining Footprint	Published	Yes	No	Tang L, Werner TT. 2023. Global mining footprint mapped from high-resolution satellite imagery. Communications Earth & Environment 4:1–12. Nature Publishing Group.
Natural Hazards	Global Flood Database	Published	Yes	No	Tellman, B., Sullivan, J.A., Kuhn, C., Kettner, A.J., Doyle, C.S., Brakenridge, G.R., Erickson, T.A., Slayback, D.A., 2021. Satellite imaging reveals increased proportion of population exposed to floods. Nature 596, 80–86. https://doi.org/10.1038/s41586-021-03695-w
Natural Hazards	Global Landslide Hazard Map	Published	Yes	No	Global Landslide Hazard Map, The World Bank
Natural Hazards	Global Tsunami Risk Model	Published	Yes	No	Løvholt F, Glimsdal S, Harbitz CB, Horspool N, Smebye H, de Bono A, Nadim F. 2014. Global tsunami hazard and exposure due to large co-seismic slip. International Journal of Disaster Risk Reduction 10:406–418.; Løvholt F, Griffin J, Salgado-Gálvez MA. 2016. Tsunami Hazard and Risk Assessment on the Global Scale. Pages 1–34 in Meyers RA, editor. Encyclopedia of Complexity and Systems Science. Springer, Berlin, Heidelberg.
Natural Hazards	MODIS Active Fires - All Fires	Published	Yes	No	NASA Near Real-Time and MCD14DL MODIS Active Fire Detections (WMS format). Data set. Available online [https://earthdata.nasa.gov/active-fire-data]
Natural Hazards; Society	Death rate from natural disasters	Published	Yes	No	UN Office for Disaster Risk Reduction – processed by Our World in Data. "13.1.1 - Number of deaths and missing persons attributed to disasters per 100,000 population (number) - VC_DSR_MTMP" [dataset]. UN Office for Disaster Risk Reduction [original data].
Nature Based Solutions; Biodiversity	Forest area under an independently verified forest management certification scheme	Published	Yes	No	FAO, 2022

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Nature Based Solutions; Restoration; Biodiversity; Ecosystem Services	Global Forest Restoration Opportunities to Foster Coral Reef Conservation - Coral Benefit Restoration Index	Published	Yes	No	Suárez-Castro, A.F., Beyer, H.L., Kuempel, C.D., Linke, S., Borrelli, P., Hoegh-Guldberg, O., 2021. Global forest restoration opportunities to foster coral reef conservation. Glob Change Biol 27, 5238–5252. https://doi.org/10.1111/gcb.15811
Nature Based Solutions; Restoration; Biodiversity; Ecosystem Services	Global Forest Restoration Opportunities to Foster Coral Reef Conservation - Sediment Export	Published	Yes	No	Suárez-Castro, A.F., Beyer, H.L., Kuempel, C.D., Linke, S., Borrelli, P., Hoegh-Guldberg, O., 2021. Global forest restoration opportunities to foster coral reef conservation. Glob Change Biol 27, 5238–5252. https://doi.org/10.1111/gcb.15811
Nature Based Solutions; Restoration; Biodiversity; Ecosystem Services	Global Forest Restoration Opportunities to Foster Coral Reef Conservation - Sediment Export Level 8 Watersheds	Published	Yes	No	Suárez-Castro, A.F., Beyer, H.L., Kuempel, C.D., Linke, S., Borrelli, P., Hoegh-Guldberg, O., 2021. Global forest restoration opportunities to foster coral reef conservation. Glob Change Biol 27, 5238–5252. https://doi.org/10.1111/gcb.15811
Protected and Conserved Areas	Protected Area Connectivity (ProtConn)	Published	Yes	No	Saura, S., Bertzky, B., Bastin, L., Battistella, L., Mandrici, A., Dubois, G., 2018. Protected area connectivity: Shortfalls in global targets and country-level priorities. Biological Conservation 219, 53–67. https://doi.org/10.1016/j.biocon.2017.12.020
Protected and Conserved Areas	Protected Areas Management Effectiveness (PAME)	In Development	Yes	No	Hockings, M., Stolton, S., Leverington, F., Dudley, N., Courrau, J. 2006. Evaluating Effectiveness: A framework for assessing management effectiveness of protected areas. 2nd edition. IUCN, Gland, Switzerland and Cambridge, UK. xiv + 105 pp. ; Geldmann, J., Coad, L., Barnes, M., Craigie, I.D., Hockings, M., Knights, K., Leverington, F., Cuadros, I.C., Zamora, C., Woodley, S., Burgess, N.D., 2015. Changes in protected area management effectiveness over time: A global analysis. Biological Conservation 191, 692–699. https://doi.org/10.1016/j.biocon.2015.08.029; Leverington, F., Costa, K.L., Pavese, H., Lisle, A., Hockings, M., 2010. A Global Analysis of Protected Area Management Effectiveness. Environmental Management 46, 685–698. https://doi.org/10.1007/s00267-010-9564-5

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Protected and Conserved Areas	Terrestrial Protected Areas (WDPA)	Published	No	No	UNEP-WCMC, 2021. The World Database on Protected Areas (WDPA) [On-line]. Available at: www.protectedplanet.net.
Protected and Conserved Areas	UNESCO Biosphere Reserves	Published	NA	No	UNEP-WCMC, 2021. The World Database on Protected Areas (WDPA) [On-line]. Available at: www.protectedplanet.net.
Protected and Conserved Areas	UNESCO World Heritage Sites	Published	NA	No	UNESCO World Heritage Centre, (2020). World Heritage List. Retrieved from https://whc.unesco.org/en/list/.
Protected and Conserved Areas	WDPA Simple View (metric layer)	Published	NA	No	NA
Protected and Conserved Areas	Wetlands of International Importance (Ramsar Sites - Boundaries)	Published	Yes	No	Convention on Wetlands (Ramsar, 1971)
Protected and Conserved Areas	Wetlands of International Importance (Ramsar Sites - Centroids)	Published	Yes	No	Convention on Wetlands (Ramsar, 1971)
Protected and Conserved Areas	World Database on Other Effective Area-based Conservation Measures (WDOECM)	Published	No	No	UNEP-WCMC and IUCN (year), Protected Planet: The World Database on other effective area-based conservation measures] [On-line], Aug 2021, Cambridge, UK: UNEP-WCMC and IUCN. Available at: www.protectedplanet.net.
Protected and Conserved Areas	World Database on Protected Areas	Published	No	No	UNEP-WCMC and IUCN (year), Protected Planet: The World Database on Protected Areas (WDPA) [On-line], [insert month/year of the version used], Cambridge, UK: UNEP-WCMC and IUCN Available at: www.protectedplanet.net.
Protected and Conserved Areas; Biodiversity	Biodiversity Habitat Index	Published	Yes	No	Harwood, Tom; Ware, Chris; Hoskins, Andrew; Ferrier, Simon; Bush, Alex; Golebiewski, Maciej; Hill, Samantha; Ota, Noboru; Perry, Justin; Purvis, Andy; Williams, Kristen (2022): BHI v2: Biodiversity Habitat Index: 30s global time series. v1. CSIRO. Data Collection. https://doi.org/10.25919/3j75-f539

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Protected and Conserved Areas; Biodiversity	Protected Area Connectedness Index (PARC-Connectedness)	Published	Yes	No	Harwood, Tom; Ware, Chris; Hoskins, Andrew; Ferrier, Simon (2022): PARC: Protected Area Connectedness Index v2: 30s global layer 2020. v1. CSIRO. Data Collection. https://doi.org/10.25919/kt3f-2z04
Protected and Conserved Areas; Ecosystem Services	Ecological Intactness Index	Published	Yes	No	Beyer, HL, Venter, O, Grantham, HS, Watson, JEM. Substantial losses in ecoregion intactness highlights urgency of globally coordinated action. Conservation Letters. 2020; 13:e12692. https://doi.org/10.1111/conl.12692
Protected and Conserved Areas; Ecosystem Services	Global Forest Certification Map	Published	No	No	Florian Kraxner, Dmitry Schepaschenko, Sabine Fuss, Anders Lunnan, Georg Kindermann, Kentaro Aoki, Martina Dürauer, Anatoly Shvidenko, Linda See, Mapping certified forests for sustainable management - A global tool for information improvement through participatory and collaborative mapping, Forest Policy and Economics, Volume 83, 2017, Pages 10-18, ISSN 1389-9341, https://doi.org/10.1016/j.forpol.2017.04.014.
Protected and Conserved Areas; Sustainable Develop-ment	Proportion of forest area with a long-term management plan	Published	Yes	No	Forest Agriculture Organization of the United Nations (FAO). Proportion of forest area with a long-term management plan (AG_LND_FRSTMGT). 2022 Available online at: https://data.apps.fao.org/catalog/dataset/above-ground-biomass-in-forest-ag_lnd_frstmgt/resource/99cc399e-4f3b-4c29-a0ae-15eb5f2680e4
Protected and Conserved Areas; Water	Marine Protected Areas (WDPA)	Published	No	No	UNEP-WCMC, 2021. The World Database on Protected Areas (WDPA) [On-line]. Available at: www.protectedplanet.net.
Restoration	Land degradation in arable lands	Published	No	No	European Commission, Joint Research Centre (JRC) (2021): Land degradation in global arable lands. European Commission, Joint Research Centre (JRC) [Dataset] PID: http://data.europa.eu/89h/jrc-esdac-130
Restoration	Restoration Resilience	Published	Yes	No	Pruckner, S., Thornton, H., McDermott-Long, O., De Lamo, X., Cugliari, L. & Gosling, J. 2021. Restoration Resilience: dataset. UNEP-WCMC. https://doi.org/10.34892/6v22-j032
Restoration	WePlan - Available Areas	Published	Yes	No	NA
Restoration	WePlan - Target 1	Published	Yes	No	NA

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Restoration	WePlan - Target 2	Published	Yes	No	NA
Restoration	WePlan - Target 3	Published	Yes	No	NA
Restoration	WePlan - Target 4	Published	Yes	No	NA
Restoration	WePlan - Target 5	Published	Yes	No	NA
Restoration; Nature Based Solutions	Areas of global significance for restoration	Published	No	No	Bernardo B. N. Strassburg, Alvaro Iribarrem, Hawthorne L. Beyer, Carlos Leandro Cordeiro, Renato Crouzeilles, Catarina Jakovac, André Junqueira, Eduardo Lacerda, Agnieszka E. Latawiec, Andrew Balmford, Thomas M. Brooks, Stuart H. M. Butchart, Robin L. Chazdon, Karl-Heinz Erb, Pedro Brancalion, Graeme Buchanan, David Cooper, Sandra Diaz, Paul F. Donald, Valerie Kapos, David Leclere, Lera Miles, Michael Obersteiner, Christoph Plutzar, Carlos Alberto de M. Scaramuzza, Fabio R. Scarano, Piero Visconti (2020). Global priority areas for ecosystem restoration. Nature, 586(7831), pp.724-729. https://doi.org/10.1038/s41586-020-2784-9
Restoration; Protected and Conserved Areas	Number of unique plant genetic samples in conservation facilities	Published	Yes	No	Data from multiple sources compiled by the UN – processed by Our World in Data. "2.5.1 - Plant genetic resources accessions stored ex situ (number) - ER_GRF_PLNTSTOR" [dataset]. Data from multiple sources compiled by the UN [original data].
Society	Accessibility to Healthcare	Published	Yes	No	D.J. Weiss, A. Nelson, C.A. Vargas-Ruiz, K. Gligorić, S. Bavadekar, E. Gabrilovich, A. Bertozzi-Villa, J. Rozier, H.S. Gibson, T. Shekel, C. Kamath, A. Lieber, K. Schulman, Y. Shao, V. Qarkaxhija, A.K. Nandi, S.H. Keddie, S. Rumisha, E. Cameron, K.E. Battle, S. Bhatt, P.W. Gething. Global maps of travel time to healthcare facilities. Nature Medicine (2020).
Society	Global subnational infant mortality rates (2015)	Published	Yes	No	Center for International Earth Science Information Network - CIESIN - Columbia University. 2005.Poverty Mapping Project: Global Subnational Infant Mortality Rates. Palisades, NY: NASA Socioeconomic Data and Applications Center (SEDAC). http://dx.doi.org/10.7927/H4PZ56R2.

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Society	WorldPop: Estimated Residential Population 2000-2020	Published	Yes	No	Americas population data: Sorichetta, A., Hornby, G.M., Stevens, F.R., Gaughan, A.E., Linard, C., Tatem, A.J., 2015. High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. Scientific Data 2, 150045. https://doi.org/10.1038/sdata.2015.45; Africa population count data: Linard, C., Gilbert, M., Snow, R.W., Noor, A.M., Tatem, A.J., 2012. Population Distribution, Settlement Patterns and Accessibility across Africa in 2010. PLOS ONE 7, e31743. https://doi.org/10.1371/journal.pone.0031743; Asia population count data: Gaughan, A.E., Stevens, F.R., Linard, C., Jia, P., Tatem, A.J., 2013. High Resolution Population Distribution Maps for Southeast Asia in 2010 and 2015. PLOS ONE 8, e55882. https://doi.org/10.1371/journal.pone.0055882
Society; Built Environment	Global Wind Atlas: Power Density	Published	Yes	No	[Data/information/map obtained from the] "Global Wind Atlas 3.0, a free, web-based application developed, owned and operated by the Technical University of Denmark (DTU). The Global Wind Atlas 3.0 is released in partnership with the World Bank Group, utilizing data provided by Vortex, using funding provided by the Energy Sector Management Assistance Program (ESMAP). For additional information: https://globalwindatlas.info"
Society; Sustainable Development	Countries with SEEA Implementation 2022	Published	Yes	No	SEEA UN. Global Assessment Results, 2022. Available online at: https://seea.un.org/content/2022-global-assessment-results
Society; Sustainable Development; Biodiversity	PINE OECD (Number of policy instruments by country)	Published	Yes	No	OECD 2023, Policy Instruments for the Environment (PINE) Database, http://oe.cd/pine , June 2023 version.
Society; Water	Mortality rate attributed to exposure to unsafe WASH services (per 100 000 population)	Published	Yes	No	Boisson, Sophie. World Health Organization (WHO). SDG 3.9.2: mortality rate attributable to unsafe water, sanitation and hygiene (unsafe WASH services), 2019.
Sustainable Development	UNDP/GEF Funded Projects	Published	No	No	NA

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Sustainable Development; Agriculture; Water	Global Map of Irrigated Areas (GMIA)	Published	Yes	No	Siebert, S., Henrich, V., Frenken, K., Burke, J. 2013. Global Map of Irrigation Areas version 5. Rheinische Friedrich-Wilhelms-University, Bonn, Germany / Food and Agriculture Organization of the United Nations, Rome, Italy.; Siebert, S., Döll, P., Hoogeveen, J., Faures, J.-M., Frenken, K., Feick, S., 2005. Development and validation of the global map of irrigation areas. Hydrology and Earth System Sciences 9, 535–547. https://doi.org/10.5194/hess-9-535-2005; Döll, P., & Siebert, S. 2000. A digital global map of irrigated areas. Icid Journal, 49(2), 55-66.
Sustainable Development; Protected and Conserved Areas	Forest certified for sustainable use (FAO) 2022	Published	Yes	No	Food and Agriculture Organization of the United Nations (FAO). 2023. 15.2.1 - Forest area under an independently verified forest management certification scheme (thousands of hectares) - AG_LND_FRSTCERT. FAO.
Sustainable Development; Society	GDPI - Biofuels	Published	Yes	No	Oakleaf, J.R., Kennedy, C.M., Baruch-Mordo, S., Gerber, J.S., West, P.C., Johnson, J.A., Kiesecker, J., 2019. Mapping global development potential for renewable energy, fossil fuels, mining and agriculture sectors. Sci Data 6, 101. https://doi.org/10.1038/s41597-019-0084-8
Sustainable Development; Society	Global Development Potential Indices (GDPI)	Published	Yes	No	Oakleaf, J.R., Kennedy, C.M., Baruch-Mordo, S., Gerber, J.S., West, P.C., Johnson, J.A., Kiesecker, J., 2019. Mapping global development potential for renewable energy, fossil fuels, mining and agriculture sectors. Sci Data 6, 101. https://doi.org/10.1038/s41597-019-0084-8
Water	City Water Map (CWM) - Watersheds	Published	Yes	No	McDonald, R.I., Weber, K., Padowski, J., Flörke, M., Schneider, C., Green, P.A., Gleeson, T., Eckman, S., Lehner, B., Balk, D., Boucher, T., Grill, G., Montgomery, M., 2014. Water on an urban planet: Urbanization and the reach of urban water infrastructure. Global Environmental Change 27, 96–105. https://doi.org/10.1016/j.gloenvcha.2014.04.022

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Water	Global Ecological Coastal Units (ECUs)	In Development	NA	No	Sayre, R., S. Noble, S. Hamann, R. Smith, D. Wright, S. Breyer, K. Butler, K. Van Graafeiland, C. Frye, D. Karagulle, D. Hopkins, D. Stephens, K. Kelly, Z, basher, D. Burton, J. Cress, K. Atkins, D. van Sistine, B. Friesen, B. Allee, T. Allen, P. Aniello, I Asaad, M. Costello, K. Goodin, P. Harris, M. Kavanaugh, H. Lillis, E. Manca, F. Muller-Karger, B. Nyberg, R. Parsons, J. Saarinen, J. Steiner, and A. Reed. 2018. A new 30 meter resolution global shoreline vector and associated global islands database for the development of standardized global ecological coastal units. Journal of Operational Oceanography – A Special Blue Planet Edition. DOI:10.1080/1755876X.2018.1529714.
Water	Global Ecological Marine Units (EMUs) - prototype	In Development	NA	No	To be confirmed. https://livingatlas.arcgis.com/emu/?lat=-79.33473133174152&lng=-69.37363509076536&zoom=6
Water	Global Surface Water - Maximum Water Extent 1984-2018	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584
Water	Global Surface Water - Occurrence 1984-2018	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584
Water	Global Surface Water - Occurrence Change Intensity 1984-2018	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584
Water	Global Surface Water - Recurrence 1984-2018	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584
Water	Global Surface Water - Seasonality 2014-2018	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Water	Global Surface Water - Transitions 2000-2018 (SDG 6.6.1 Indicator)	Published	No	No	Pekel, J.-F., Cottam, A., Gorelick, N., Belward, A.S., 2016. High-resolution mapping of global surface water and its long-term changes. Nature 540, 418–422. https://doi.org/10.1038/nature20584
Water	Marine Wilderness	Published	Yes	No	Jones, K.R., Klein, C.J., Halpern, B.S., Venter, O., Grantham, H., Kuempel, C.D., Shumway, N., Friedlander, A.M., Possingham, H.P., Watson, J.E.M., 2018. The Location and Protection Status of Earth's Diminishing Marine Wilderness. Current Biology 28, 2506-2512.e3. https://doi.org/10.1016/j.cub.2018.06.010/
Water	Proportion of bodies of water with good ambient water quality (2017, 2020)	Published	Yes	No	United Nations Environmental Programme (UNEP) and Food and Agriculture Organization (FAO), 2023. Proportion of bodies of water with good ambient water quality (EN_H2O_WBAMBQ). Available at: https://data.apps.fao.org/catalog/dataset/proportion-of-bodies-of-water-with-good-ambient-water-quality-er_h2o_wbambq/resource/3a8789d5-08b7-4099-8cae-317b945cf222
Water; Biodiversity	Ecologically or Biologically Significant Marine Areas (EBSAs)	Published	Yes	No	CBD Secretariat, 2022. Ecologically or Biologically Significant Marine Areas.
Water; Biodiversity	Global Distribution of Cold-Water Corals	Published	No	No	Freiwald, A., Rogers, A., Hall-Spencer, J., Guinotte, J.M., Davies, A.J., Yesson, C., Martin, C.S., Weatherdon, L.V. 2017. Global distribution of cold-water corals (version 5.0). Fifth update to the dataset in Freiwald et al. (2004) by UNEP-WCMC, in collaboration with Andre Freiwald and John Guinotte. Cambridge (UK): UN Environment World Conservation Monitoring Centre. URL: http://data.unep-wcmc.org/datasets/3
Water; Biodiversity	Global Distribution of Saltmarshes	Published	No	No	Mcowen C, Weatherdon LV, Bochove J, Sullivan E, Blyth S, Zockler C, Stanwell-Smith D, Kingston N, Martin CS, Spalding M, Fletcher S (2017). A global map of saltmarshes. Biodiversity Data Journal 5: e11764. Paper DOI: https://doi.org/10.3897/BDJ.5.e11764; Data URL: http://data.unep-wcmc.org/datasets/43 (v.6)

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Water; Biodiversity	Global Distribution of Seagrasses	Published	No	No	UNEP-WCMC, Short FT (2020). Global distribution of seagrasses (version 7.0). Seventh update to the data layer used in Green and Short (2003). Cambridge (UK): UN Environment World Conservation Monitoring Centre. URL: http://data.unep-wcmc.org/datasets/7
Water; Biodiversity	Global Wetlands: Tropical and Subtropical Wetlands Distribution	Published	Yes	No	Gumbricht T, Román-Cuesta RM, Verchot LV, Herold M, Wittmann F, Householder E, Herold N, Murdiyarso D. 2022, April 18. Tropical and Subtropical Wetlands Distribution. Center for International Forestry Research (CIFOR). Available from https://data.cifor.org/dataset.xhtml?persistentId=doi:10.1 ; See related publication:; Gumbricht, T., Roman-Cuesta, R.M., Verchot, L., Herold, M., Wittmann, F., Householder, E., Herold, N., Murdiyarso, D., 2017. An expert system model for mapping tropical wetlands and peatlands reveals South America as the largest contributor. Global Change Biology 23, 3581–3599. https://doi.org/10.1111/gcb.13689
Water; Biodiversity; Climate and Carbon; Sustainable Develop-ment	Marine Priority Areas	Published	Yes	No	Sala, E., Mayorga, J., Bradley, D., Cabral, R.B., Atwood, T.B., Auber, A., Cheung, W., Costello, C., Ferretti, F., Friedlander, A.M., Gaines, S.D., Garilao, C., Goodell, W., Halpern, B.S., Hinson, A., Kaschner, K., Kesner-Reyes, K., Leprieur, F., McGowan, J., Morgan, L.E., Mouillot, D., Palacios-Abrantes, J., Possingham, H.P., Rechberger, K.D., Worm, B., Lubchenco, J., 2021. Protecting the global ocean for biodiversity, food and climate. Nature 1–6. https://doi.org/10.1038/s41586-021-03371-z
Water; Biodiversity; Ecosystem Services	Global Intertidal Change	Published	Yes	No	Murray, N.J., Phinn, S.R., DeWitt, M., Ferrari, R., Johnston, R., Lyons, M.B., Clinton, N., Thau, D., Fuller, R.A., 2019. The global distribution and trajectory of tidal flats. Nature 565, 222. https://doi.org/10.1038/s41586-018-0805-8
Water; Human Impact	Change in the extent of water-related ecosystems over time (2017-2021)	Published	Yes	No	UNEP. 2023. Change in the extent of water-related ecosystems over time. Data from: https://unstats.un.org/sdgs/dataportal/database

Table 1: UN Biodiversity Lab Data List *(continued)*

Category	Data Name	Status	Download?	Time Series?	Citation(s)
Water; Human Impact	Cumulative Ocean Impact - 2013	Published	Yes	No	Halpern, B.S., Frazier, M., Potapenko, J., Casey, K.S., Koenig, K., Longo, C., Lowndes, J.S., Rockwood, R.C., Selig, E.R., Selkoe, K.A., Walbridge, S., 2015. Spatial and temporal changes in cumulative human impacts on the world's ocean. Nature Communications 6, 7615. https://doi.org/10.1038/ncomms8615
Water; Human Impact	Cumulative Ocean Impact - Change 2008-2013	Published	Yes	No	Halpern, B.S., Frazier, M., Potapenko, J., Casey, K.S., Koenig, K., Longo, C., Lowndes, J.S., Rockwood, R.C., Selig, E.R., Selkoe, K.A., Walbridge, S., 2015. Spatial and temporal changes in cumulative human impacts on the world's ocean. Nature Communications 6, 7615. https://doi.org/10.1038/ncomms8615