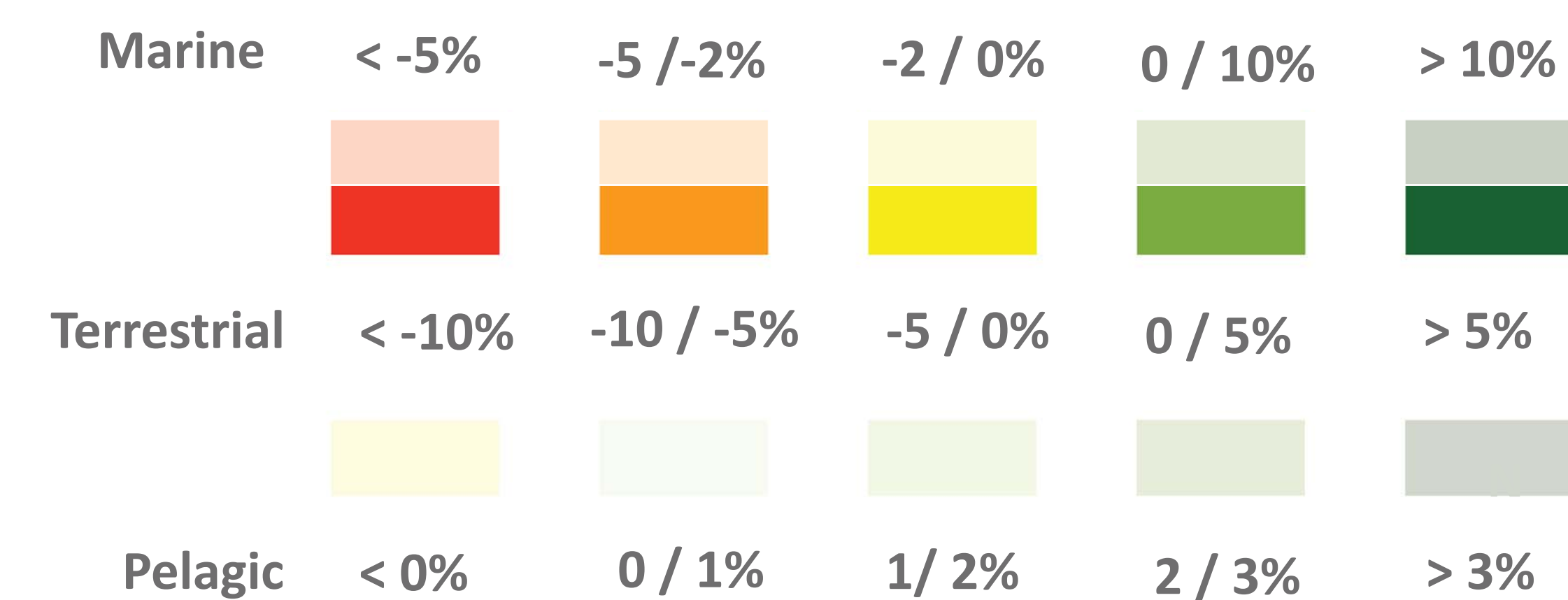


Changes in the protected area coverage of the world's terrestrial ecoregions between April 2016 and April 2018

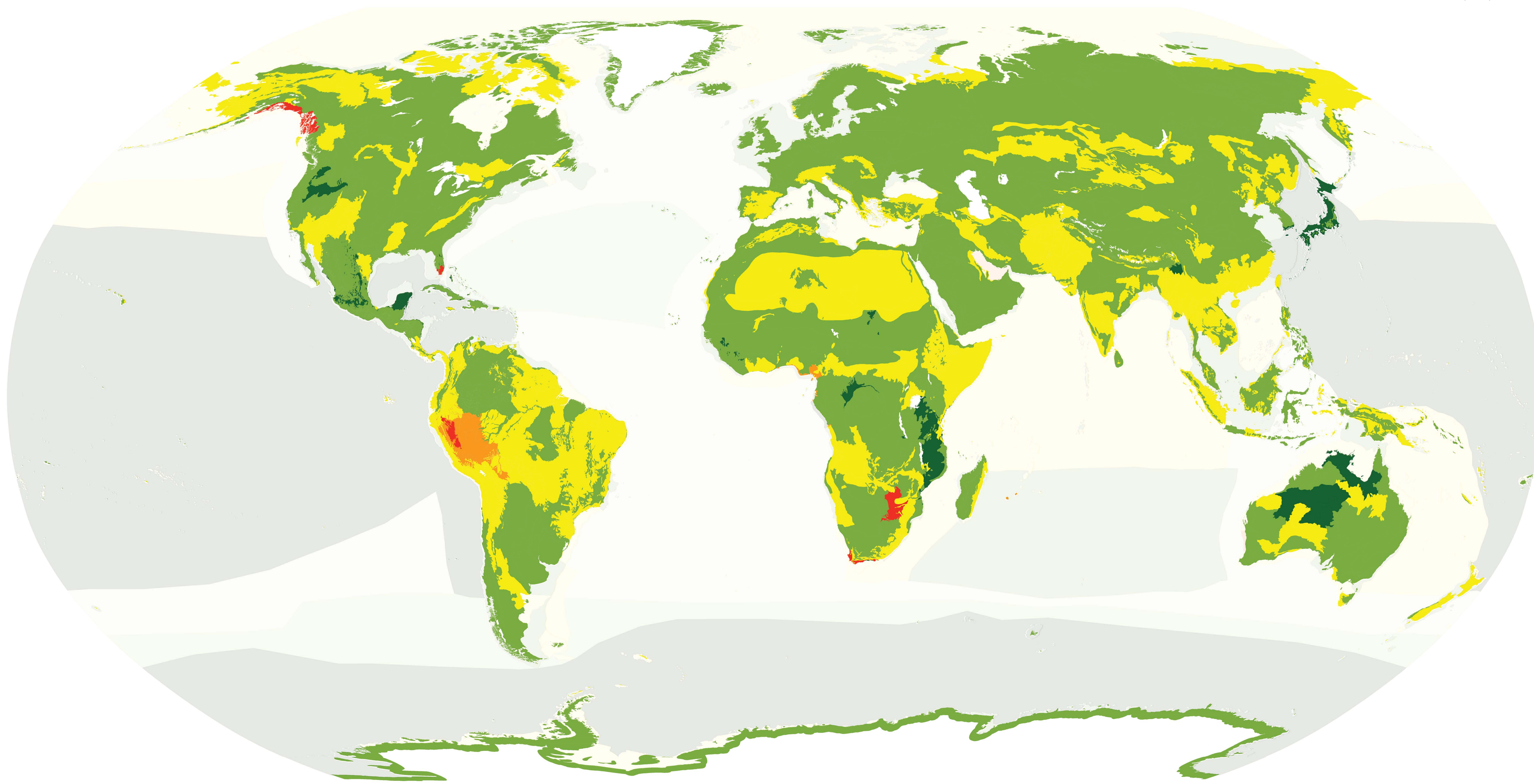
Battistella, L., Mandrici, A., Delli, G., Bertzky, B., Bastin, L., Dubois, G. (2018)

Changes in the protected area coverage of the world's terrestrial ecoregions between April 2016 and April 2018. Downloadable from <http://dopa.jrc.ec.europa.eu/>

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Scale: 1:40,000,000



Description:

The map shows the percentage of coverage of the terrestrial ecoregions and of the world, excluding lakes, rock and ice, by protected areas. The statistics were computed using the World Database of Protected Areas (WDPA) from April 2016, April 2018 and ecoregion maps defined by Olsen et al. (2001) and Spalding et al. (2007). The marine ecoregions were clipped to the coastline of the terrestrial ecoregions and an outer boundary corresponding to the 200-meter isobath (Spalding et al. 2007). The analysis used all designated protected areas recorded in the WDPA as polygons, or points with a reported area, except for UNESCO Man and Biosphere Reserves because many of their buffer areas do not meet the protected area definition of the International Union for Conservation of Nature (IUCN). All protected areas with a "proposed" or "not reported" status in the WDPA were excluded from the analysis. Points were buffered with a circular buffer corresponding to their reported area. Buffered points and polygons were then combined and all spatial overlaps between protected areas removed to avoid double counting.

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Spalding et al. (2007) Marine ecoregions of the world: A bioregionalization of coastal and shelf areas. *BioScience* 57: 573-583. and Spalding et al. (2012) Pelagic provinces ecoregions of the world: A biogeographic classification of the world's surface pelagic waters.

Ocean & Coastal Management 60: 19-30. GIS DATA (the non-cut on the coastline version has been used) downloaded on 20160720 from <http://data.unep-wcmc.org/datasets/38>

