

Ecoregion coverage: global and European insights

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The Joint Research Centre (JRC)' s mission

***“ As the science and knowledge service
of the Commission our mission is to support
EU policies with independent evidence
throughout the whole policy cycle ”***



Aichi Target 11 and the ecoregion coverage indicator

Aichi Target 11 of the Convention on Biological Diversity:

- By 2020, at least **17 per cent of terrestrial and inland water, 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 landscapes and seascapes.

Map of protection levels for the terrestrial and marine ecoregions of the world as of January 2019.

Battistella, L., Delli, G., Mandrici, A., Bendito Garcia, E., Dubois, G. (2019)

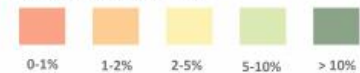
Map of protection levels for the terrestrial and marine ecoregions of the world as of January 2019. Downloadable from <http://dopa.jrc.ec.europa.eu/>

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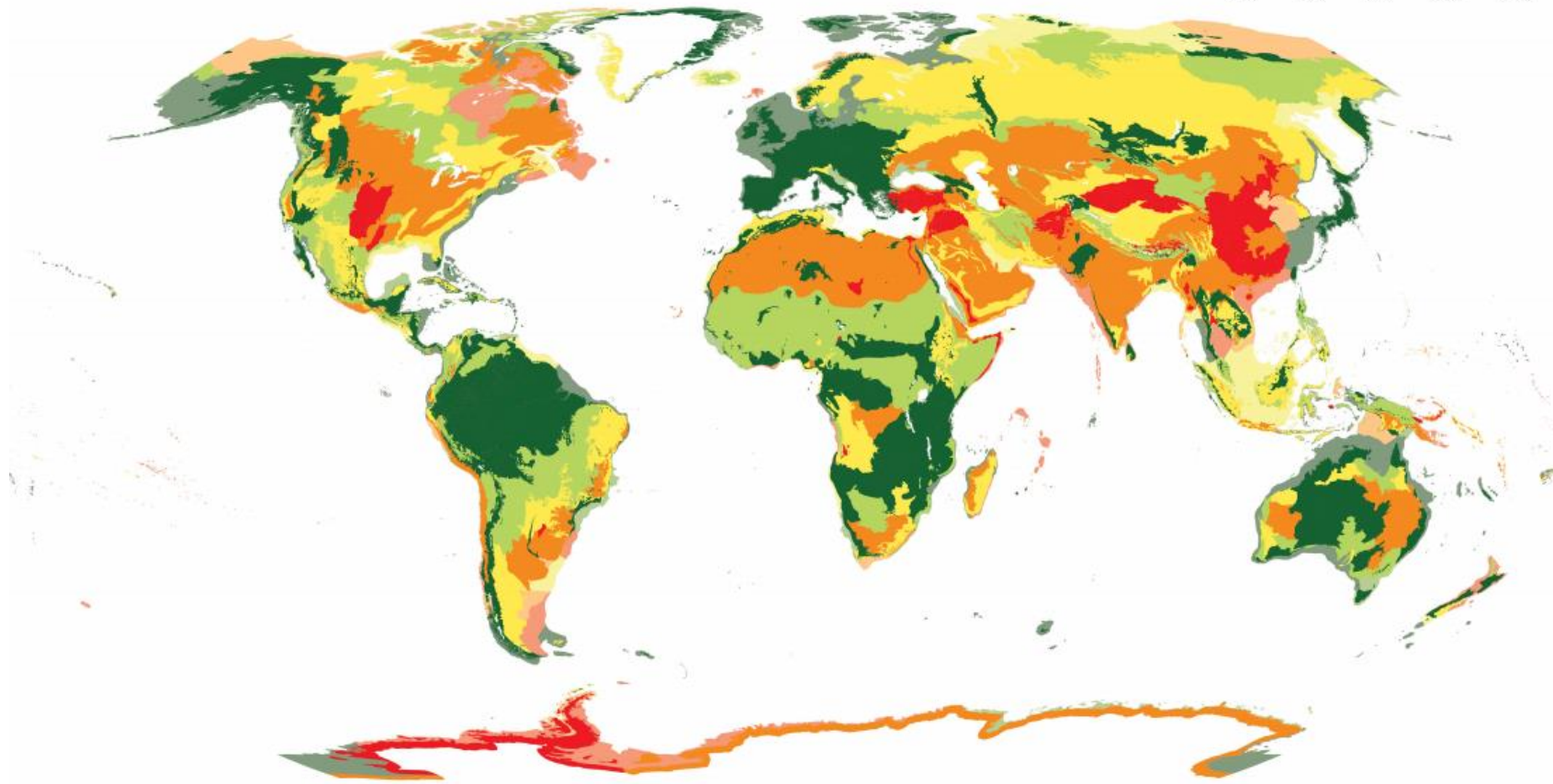
Terrestrial ecoregions protection



Marine ecoregions protection

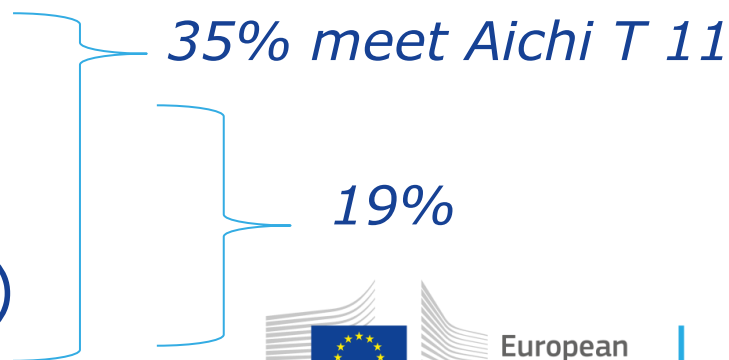


Current status



827 terrestrial ecoregions (Jan 2019)

22	have no coverage
42	0.1 - <1%
145	1 - <5%
146	5 - 10 %
128	10 - <17%
137	17 - <30%
51	30 - <50%
67	50 - <75%
39	75 - 100% (22 of 100%)



Changes July 2018 – Jan 2019

587 have gained protection

110 no changes

130 have lost protection, but only 12 > 1%

Wrangel Island arctic desert

Pantanos de Centla

Central Andean puna

269 marine ecoregions (Jan 2019)

14 have no coverage

37 0.1 - <1%

74 1 - <5%

31 5 - 10 %

27 10 - <17%

30 17 - <30%

13 30 - <50%

16 50 - <75%

27 75 - 100% (14 of 100%)

32% meet Aichi T 11

21%



European
Commission

Changes July 2018 – Jan 2019

114 have gained protection, 5 > 4 - 95%

52 no changes

51 have lost protection, but only 3 > 1% (and < 2%)

The danger of global targets: believing that someone else will do the job for you...

Do governments protect 17% of the ecoregions covering their countries?

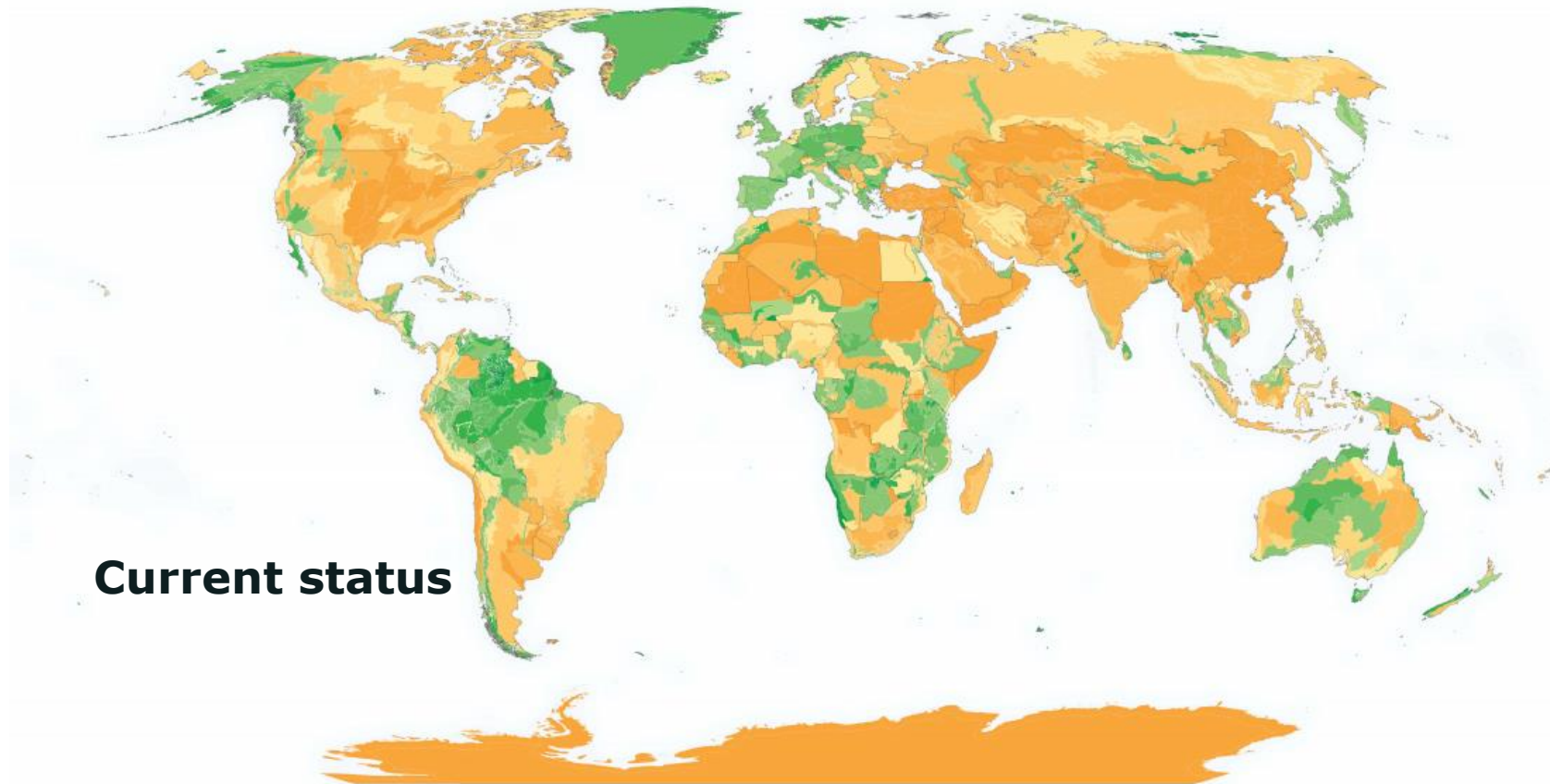
Map of country protection levels for the terrestrial ecoregions of the world as of January 2019

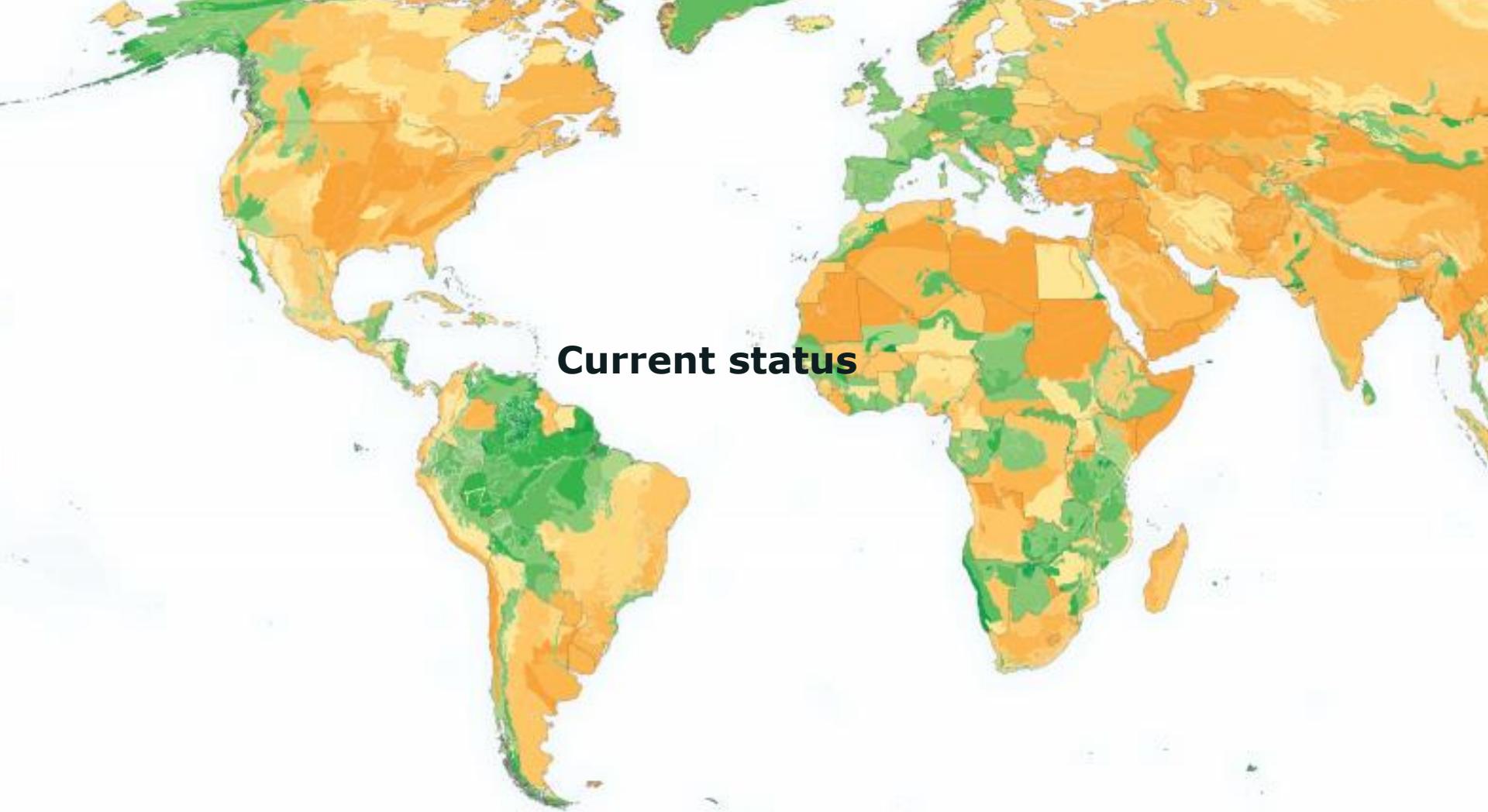
Battistella, L., Mandrici, A., Delli, G., Bendito Garcia, E., Dubois, G. (2019)

Map of protection levels for the terrestrial ecoregions in country of the world as of January 2019. Downloadable from <http://dopa.jrc.ec.europa.eu/>

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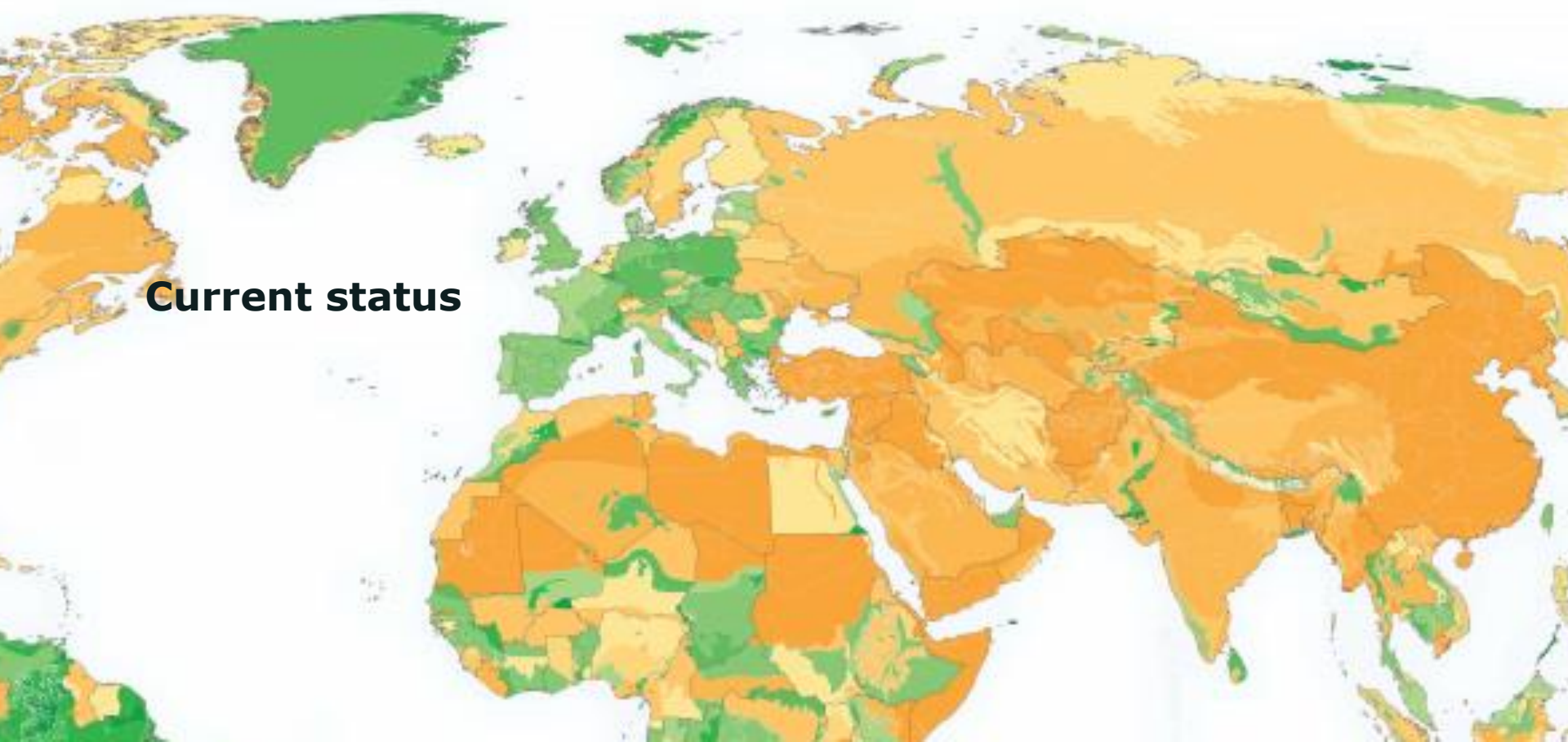
Terrestrial ecoregions protection in country





Current status

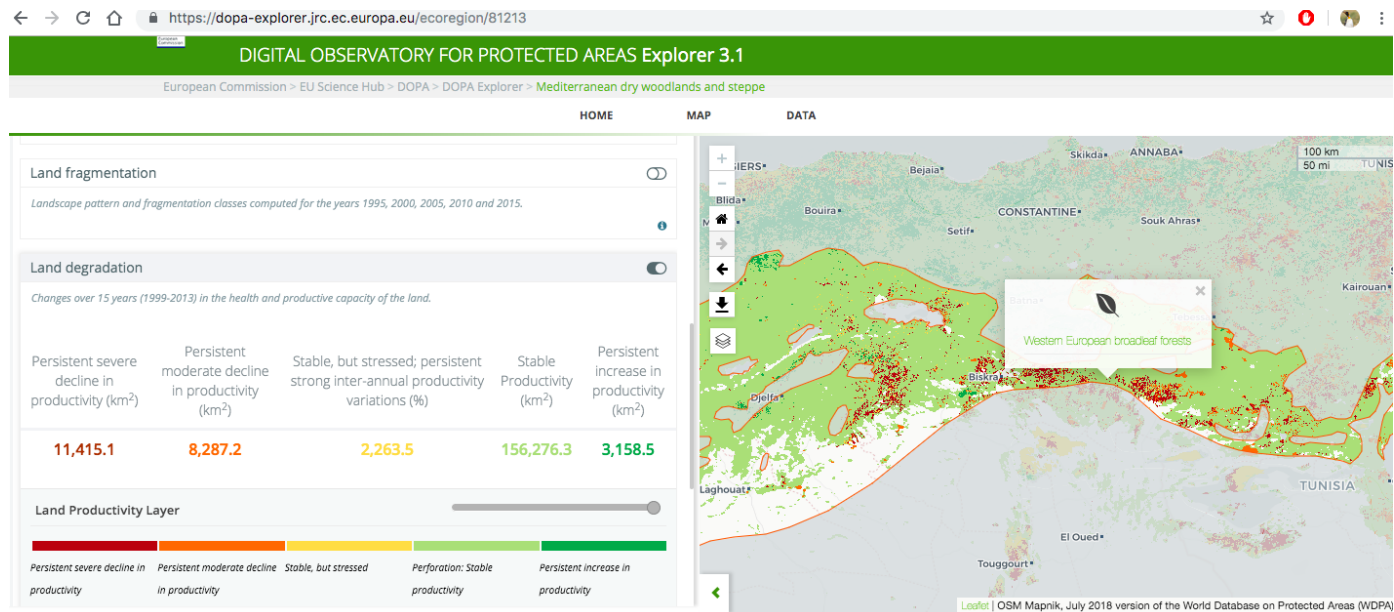
target 11
17 - <20% 20 -



Current status

How to set priorities?

DOPA Explorer provides estimates at country and ecoregion levels of land degradation and C stocks (soil & above ground)



Thanks

The Digital Observatory for Protected Areas (DOPA).

