

# *Laminaria digitata*

## Oarweed

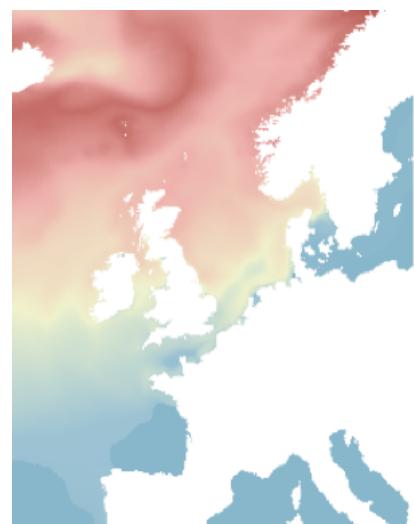
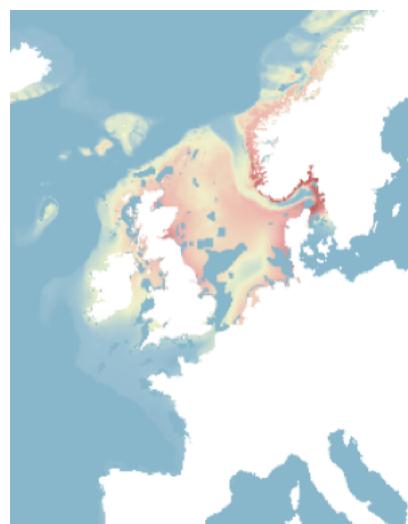
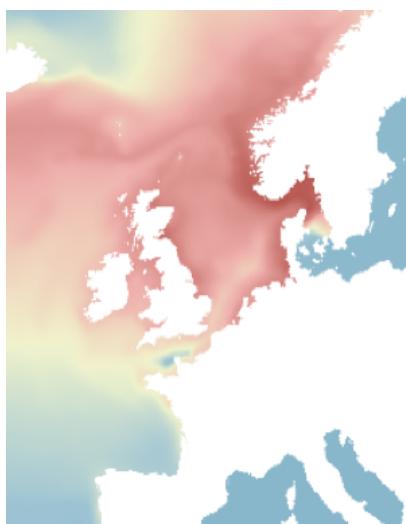


Distribution	Atlantic coasts of Europe, Baltic Sea & Black Sea
Habitat	On hard substrates in exposed areas. Can tolerate brackish water
Depth range	Lower intertidal - subtidal, 1-20 m
Seasonality	March - August (Maine Coast)
Use	Food additives, thickeners, gelling agents
Cultivation & harvesting	Longlines

↳ [Geographical distribution on OBIS](#)

↳ [WoRMS page](#)

Habitat suitability maps for *L. digitata*: optimal habitat is colored red and poor habitat is colored blue. From left to right: map created with environmental variables (temperature, heat, salinity, turbidity, irradiance, nitrate), map created with environmental variables, depth and marine spatial planning, map created with impact of climate change on the habitat suitability (2100, RCP 8.5) (Westmeijer et al., 2019)



### References & links

Hill, J.M. 2008. *Laminaria digitata* Oarweed. In Tyler-Walters H. And Hiscock K. (eds) *Marine Life Information Network: Biology and Sensitivity Key Information Reviews*, [on-line]. Plymouth: Marine Biological Association of the United Kingdom. [cited 14-09-2020]. Available from: <https://www.marlin.ac.uk/species/detail/1386>

MSC Harvester information. Retrieved from <https://www.seaweedcouncil.org/msc-harvester-information/>

Westmeijer, G., Everaert, G., Pirlet, H., De Clerck, O., & Vandegehuchte, M. B. (2019). Mechanistic niche modelling to identify favorable growth sites of temperate macroalgae. *Algal Research*, 41(May 2018), 101529. <https://doi.org/10.1016/j.algal.2019.101529>

[R Obis package](#) to explore occurrence data & [sdmpredictor package](#) to create SDM maps