

1.5. Abrupte omslagen naar zuurstofloze zeeën

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Literatuur

Algeo, T. J., & Liu, J. (2020). A re-assessment of elemental proxies for paleoredox analysis. *Chemical Geology* 540(2), 119549.

Breitburg, D., Levin, L. A., Oschlies, A., Grégoire, M., Chavez, F.P., Conley, D. J., Garçon, V., Gilbert, D., Gutiérrez, D., Isensee, K., Jacinto, G. S., Limburg, K.E., Montes, I., Naqvi, S.W.A., Pitcher, G.C., Rabalais, N.N., Roman, M.R., Rose, K.A., Seibel, B.A., Telszewski, M., Yasuhara, M., & Zhang, J. (2018). Declining oxygen in the global ocean and coastal waters. *Science* 359, 6371.

Hennekam, R., Van der Bolt, B., Van Nes, E. H., De Lange, G.J., Scheffer, M., & Reichart, G.-J. (2020). Early-warning signals for marine anoxic events. *Geophysical Research Letters*, 47, e2020GL089183.

Keeling, R. E., Kortzinger, A., & Gruber, N. (2010). Ocean deoxygenation in a warming world. *Annual Review of Marine Science* 2, 199-229.

Lourens, L.J., Wehausen, R., & Brumsack, H.J. (2001). Geological constraints on tidal dissipation and dynamical ellipticity of the Earth over the past three million years. *Nature* 409, 1029-1033.

Rohling, E.J., Marino, G., & Grant, K.M. (2015). Mediterranean climate and oceanography, and the periodic development of anoxic events (sapropels). *Earth-Science Reviews* 143, 62-97.

Scheffer, M., Bascompte, J., Brock, W.A., Brovkin, V., Carpenter, S.R., Dakos, V., Held, H., Van Nes, E. H., Rietkerk, M., & Sugihara, G. (2009). Early-warning signals for critical transitions. *Nature* 461, 53-59.

Scheffer, M., Carpenter, S.R., Lenton, T.M., Bascompte, J., Brock, W., Dakos, V., Van de Koppel, J., Van de Leemput, I.A., Levin, S.A., & Van Nes, E.H. (2012). Anticipating critical transitions. *Science* 338, 344-348.

Schmidtko, S., Stramma, L., & Visbeck, M. (2017). Decline in global oceanic oxygen content during the past five decades. *Nature* 542, 335-339.

Slomp, C. P. (2014). *Lang leve de zee*. Inaugurele oratie. Utrecht University, Faculty of Geosciences.

Van Nes, E. H., & Scheffer, M. (2007). Slow recovery from perturbations as a generic indicator of a nearby catastrophic shift. *The American Naturalist* 169(6), 738-747.