



MODULE ADSEA, LESSON 8

THE NEED FOR MINERALS IN THE CURRENT WORLD

READING LIST

REQUIRED READING

The Sustainable Development Goals Report 2022 (<https://reliefweb.int/report/world/sustainable-development-goals-report-2022>);

The Role of Critical World Energy Outlook Special Report Minerals in Clean Energy Transitions (IEA Report, 2021 - <https://iea.blob.core.windows.net/assets/ffd2a83b-8c30-4e9d-980a-52b6d9a86fdc/TheRoleofCriticalMineralsinCleanEnergyTransitions.pdf>)

OPTIONAL READING

Hein, J.R., Koschinsky, A. & Kuhn, T. (2020). Deep-ocean polymetallic nodules as a resource for critical materials. *Nat. Rev. Earth. Environ.*, 1, 158–169. <https://doi.org/10.1038/s43017-020-0027-0>;

Van der Voet, E., Van Oers, L., Verboon, M., Kuipers, K., (2018). Environmental Implications of Future Demand Scenarios for Metals: Methodology and Application to the Case of Seven Major Metals. *Journal of Industrial Ecology*. doi:10.1111/jiec.12722.