



## MODULE 4, LESSON 5

### ENVIRONMENTAL RISK ASSESSMENT & IMPACT ASSESSMENT IN A DSM CONTEXT

#### LECTURE NOTES

#### REQUIRED READING

There are entire books written about EIA, but below I list a few papers which are more concise and easier to read for students. They contain more specific references for those that want to delve deeper into certain aspects.(Abaza et al. 2004)

Abaza, H.; Bisset, R.; Sadler, B. (2004). Environmental Impact Assessment and Strategic Environmental Assessment: towards an integrated approach. United Nations Environment Programme. 147 p.

Clark, M.R. (2019). The development of Environmental Impact Assessments for deep-sea mining. In: Sharma, R. (ed.). Environmental issues of deep-sea mining: impacts, consequences and policy perspectives, pp. 447-470.

Clark, M.R.; Durden, J.M.; Christiansen, S. (2020). Environmental Impact Assessments for deep-sea mining: Can we improve their future effectiveness? Marine Policy 114.  
<http://dx.doi.org/10.1016/j.marpol.2018.11.026>

Durden, J.M.; Lallier, L.E.; Murphy, K.; Jaeckel, A.; Gjerde, K.; Jones, D.O.B. (2018). Environmental Impact Assessment process for deep-sea mining in 'the Area'. Marine Policy 87: 194-202.  
<http://dx.doi.org/10.1016/j.marpol.2017.10.013>

Durden, J.M.; Murphy, K.; Jaeckel, A.; Van Dover, C.L.; Christiansen, S.; Gjerde, K.; Ortega, A.; Jones, D.O.B. (2017). A procedural framework for robust environmental management of deep-sea mining projects using a conceptual model. Marine Policy 84: 193-201. <http://dx.doi.org/10.1016/j.marpol.2017.07.002>

Ellis, J.I.; Clark, M.R.; Rouse, H.L.; Lamarche, G. (2017). Environmental management frameworks for offshore mining: the New Zealand approach. Marine Policy 84: 178-192.

IEC-ISO (2009). International standard IEC/ISO 31010. Risk management-risk assessment techniques. No. p.  
Lallier, L.E.; Maes, F. (2016). Environmental impact assessment procedure for deep seabed mining in the area: Independent expert review and public participation. Marine Policy 70: 212-219.  
<http://dx.doi.org/https://doi.org/10.1016/j.marpol.2016.03.007>

Morgan, R.K. (2012). Environmental impact assessment: the state of the art. Impact Assessment and Project Appraisal 30(1): 5-14. <<http://dx.doi.org/10.1080/14615517.2012.661557>>

#### OPTIONAL READING