Intervention during the Informal Working Group on the Protection and preservation of the Marine Environment – Facilitator's text (X).

Thank you Madam facilitator,
DOSI wants to provide the following comments to point 4.
4.1 Providing an overview of key content is useful but the Contractor should not be restricted to six bullet points if there are more findings that need to be summarized.
4.6 Seasonal and interannual oceanographic variability should be demonstrated, supported by multiple years of monitored data, as this will incorporate interannual variability. As such,
recommend rewording the second sentence to "Seasonal and interannual variability are
important elements to include."
Climate change projections should be included.
4.7 THe oxyigen minimum zone is variable, but generally occurs in midwaters, and not near the seafloor between 1000 to 200 m detpth. This should be corrected and clarified in the text.
4.9 Changing climate conditions should also be mentioned. Natural hazards should include
metrics of climate hazard and cumulative climate hazard (climate change/variability) in the contract area.
4.11 We recommend changing "gas and chemical emissions" to "gas and fluid emissions" as
chemicals are contents of both.
 Effects of mining on ocean climate mitigation functions and services should be described (alteration of CO2 uptake and sequestration and seafloor burial by the ocean;
changes in nutrient cycling effects on wetland carbon uptake (shore-based operations).
4.12. If special considerations are to be given to hydrothermal vents, seeps, seamounts, and
fronts or eddies, these should have a separate section and not only be addressed in a one-page
summary. The presence and location of these features should be identified. Their proximity to mining activity should be stated and depicted in a map. This summary should include particulate fluxes and organic carbon accumulation and burial rates, relevant to understanding the regulating services provided by the targeted environments.
We shall submit our suggestions in a written mode.
 Thank you