

# OceanCare contribution on the topic of focus of the fifteenth round of

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February 24.2020

We thank you for the invitation to contribute on the tonic of focus of the 15th round of Informal Consultations of States Parties to the United Nations Fish Stocks Agreement.
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Migratorv Fish Stocks, and related instruments" (UNGA 2019) and in particular paragraphs
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espreach and one programme and an analysis of the contraction of the c
360 and northwise Cragnization on the civilization of underwater noise sedichtseks, and fiching sets had a sed sedicht and sedichtseks, and fiching sets had a sed sedicht as a sedicht as a sedicht and sedicht as a sedicht as a sedicht and sedicht as a
environmental factors affecting marine ecosystems" (Section (i). d) of the 23 Jan. 2020 invitation letter.  AO and the GFCM on the issues of ocean noise
ecosystem prod கல்க் காடுக்காள். உண்டுள்ளாடு இத்தொள்ள இத்தில் காடுக்கும் காடுக்கும்.
In a report commissioned by OceanCare, 115 primary scientific studies, encompassing various human- necies of invertebrates, were reviewed (Weilgart 2018).
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malf and settling, and slower growth rates.
Zoonlankton suffered bigh mortality in the presence of policy. Anatomical impacts from poise involve massive internal injuri

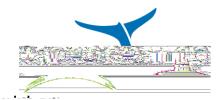




- 6. <u>aus otten lused by su. "Dynamic Hosuloting" (Defis actitement object apply ships, among other vessels.</u> Alternative operation or technologies should be promoted.
- 7. All sonars, echosounders, and multibeams should use frequencies above at least 200 kHz.
- 8. On recreational boats upon turning on the analysis about the analysis of Thiorest and Thiorest and the CDC immediate
- 9. Indivibration through the seabed. Alternative foundations such as suction caissons or gravity-based foundations may effectively eliminate noise during construction. Quieter, new installation methods should be explored and promoted.
- 10. Naval sonar should also be kept away from biologically rich and productive areas. Dipping sonar seems to be particularly problematic for marine mammals and may also be for fish and invertebrates as there is no possibility of habituation.
- 11. Noise impacts should be incorporated into population modelling for fish and invertebrates.
- 12. Caanbirisal ന്നയുമാറുള്ള ചിച്ചാർ നേളിയിരുന്നു വെട്ടാർ അവരുമായിരുന്നു. വെട്ടായി ക്രൂവ്യുള്ള വേട്ടാൽ വ
- 13. possible source level.
- 14. beginnettenmessestiskos newopiemiesteskos a recentidad in posta sensital in a constitución posta sensital de la constitución de la constitució
- 15. Mariera Preseccod Angus tradelles recongresses times in a river in a contract and a second a
- 16. Acoustic refuges of still-quiet hiologically important areas for noise-sensitive marine life should be safeguarded and protected from poise.
- 17. The unproven assumption that all marine life will avoid noise must be jettisoned. Many species and individuals do not consistently avoid even damaging noise, if the area is important to them. Even if animals avoid noise, this is a costly behavior in terms of: a) lost foraging time; b) the energetic costs of transiting and interrupted feeding; and c) increased predation and less efficient foraging in areas that are not a

was held at FAO Headquarters in Rome (Italy) on 21-335 having 2019. The main objectives of the workshop were to it have soonted get bronogenic undoppeters notice offects on fish ged investe brotes. It is in partieur to the control of the control

noise in the context of a study on socio-economic impacts on Mediterranean fish stocks (GECM/OceanCare 2019)



## Conclusion

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#### References

Noise and Impacts on Fish Invertebrates, and Fish Respuns 5.5.6. house to the late of the

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### For further information please contact:

Fabienne McLellan, Co-Salure tourus includes included in the included inclu

### About OceanCare:

OceanCare is a Swiss non-ne committated its introttle realisations ill was included in 1985 and nas a stro areas of marine pollution, environmental changes, fisheries, whaling sealing captivity of marine in a summittee of the sealing captivity of marine in the sealing captivity of the sealing c

Nations (FCOSOC) and is a partner of the General Fisheries Commission for the Mediterranean (GECM) the Convention on Migratory Species (CMS), and the UNEP/CMS, Agreement on the Conservation of

UNEP/MAP. OceanCare has also been accredited as a Major Group to the United Nations Environment

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