**CHALLENGE AREA: U/W Communication**

**CATEGORY:** Individual

PROPOSAL NAME: MVUS

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| **Queries to Candidate** |
| 1.Range estimation in actual deployment conditions needs to be validated. How have you done it?  2.Have you validated the Design at Prototype level & also in Underwater environment? What are the results?  3.Indicate if a protype has been developed and tested? What results have been obtained using light, RF and Acoustic signals?  4.Which models of the underwater medium (multipath, dispersive, high attenuation to RF, dispersion of light) have been utilised in the design?  5.What is likely power output of the Tx borne by the diver? How do we direct energy towards the buoy / floating platform?  6.How the problem of Voice distortions in the under water communications is addressed.  7. If any proto is realized can we see a demo video? |