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New methodology for modern monitoring

Currently, our project aims to use high resolution (HR) acoustic images to associate seafloor characteristics to zones in the image with similar statistical representation. Based on that, further work will be directed towards the development of a new methodology to improve monitoring procedures and new ways for acoustic images quality assessment. The resulting methodology will be helpful for both decision makers and operators in determine which areas need further control/monitoring. This new approach could be applied in different areas such as automatic recognition of seafloor characteristics, sea waste monitoring and collection.

This challenging new project aims to enhance the efficiency in operation and investigation at sea and to improve ecosystems conservation.