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Author(s)Pearlman, J. ; IEEE France, Paris, France ; Garello, R. ; Delory, E. ; Castro, A.
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Abstract

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Development of a new generation of multifunctional sensor systems is underway to address ocean monitoring challenges. These range from more precise monitoring of the marine environment to an improved management of fisheries and, among other things, address improved life cycle cost-efficiency. These advances will be achieved through innovations such as multiplatform integration, greater reliability through better antifouling management and greater sensor and data interoperability. Requirements for the sensors have been refined through surveys and discussions with science and industry users. This paper will describe these developments in the NeXOS project.

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