E3SM Ocean and Sea-ice Diagnostics with MPAS-Analysis

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**Poster preference**

In this presentation, we share the ocean and sea-ice diagnostics that can be generated automatically from E3SM simulations using the MPAS-Analysis tool. These diagnostics have enabled several scientific findings and have been instrumental in identifying and mitigating a number of biases in E3SM, and we provide several brief examples of each. We also touch on our exciting plans for new analysis capabilities in the near future.