



The next Deep Waters formed in the Northwestern Mediterranean Sea will be warmer and saltier than ever !

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The last deep convection event in the Gulf of Lions dates back to the 2012-2013 winter. Thanks to the observational effort in the Northwestern Mediterranean in recent years (gliders, ship cruises, profiling floats, moorings, XBTs), it has been shown that the convection has not reached more than 800-1000m and that the surface and intermediate waters have stored heat and salt coming from the Eastern basin ever since. Much like the 2005 and 2009 intense deep convection events following years without deep convection, the next occurrence of an intense event reaching the bottom will form warmer and saltier Deep Waters than ever before.