

Regional project (PERSEUS) oriented system for storage and operative exploration of Mediterranean and Black Sea cast data.



**IMDIS 2013** Lucca, Italy, 22-25 September, 2013



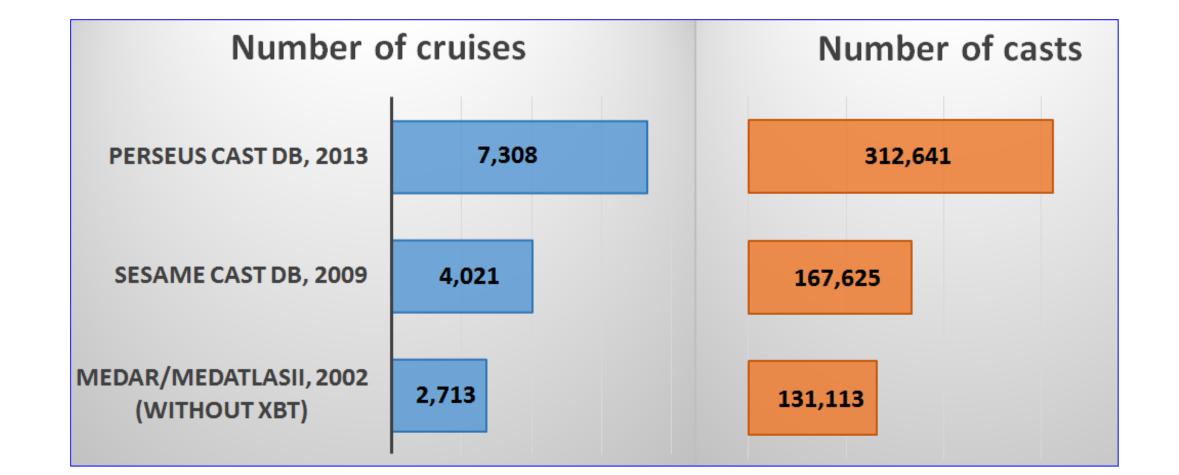
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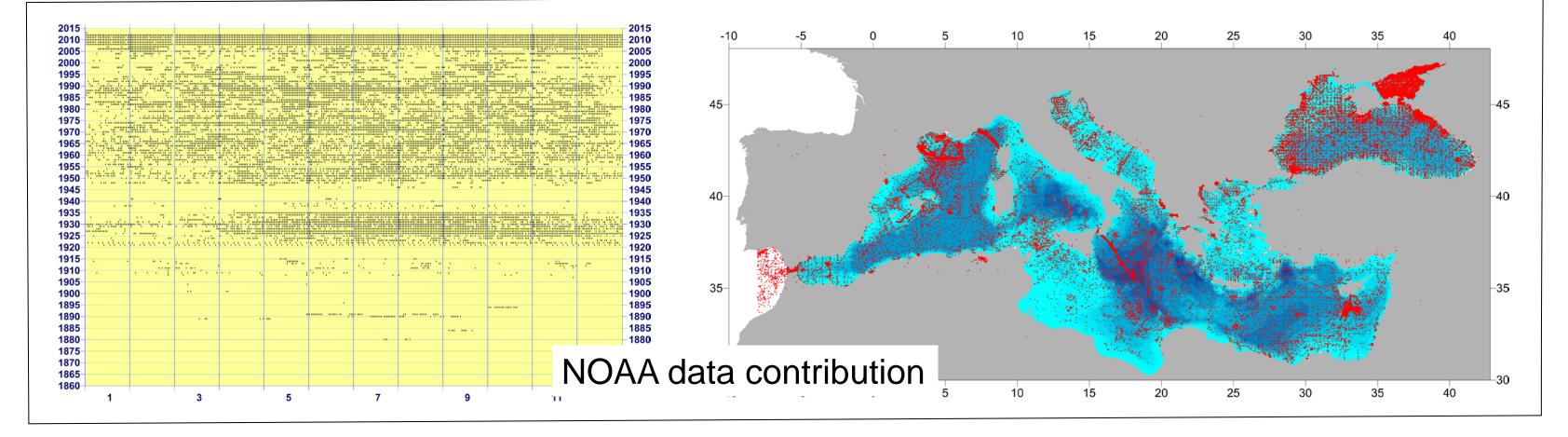


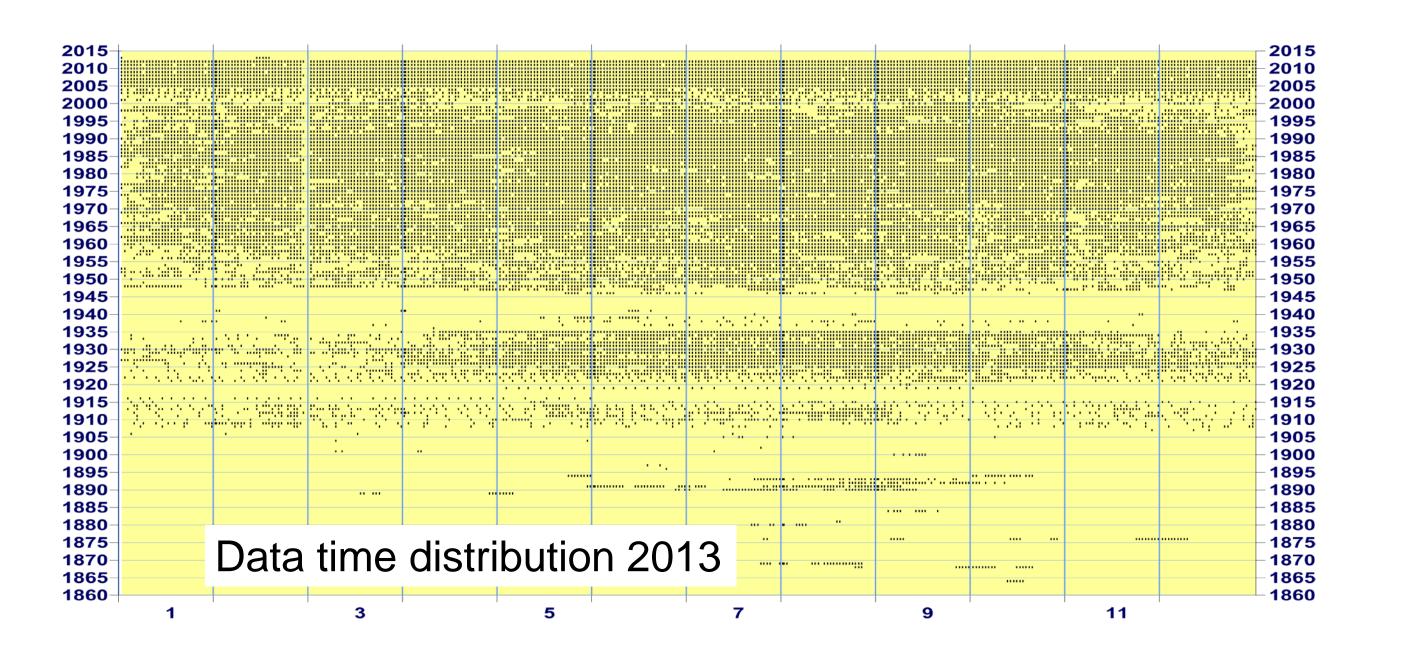


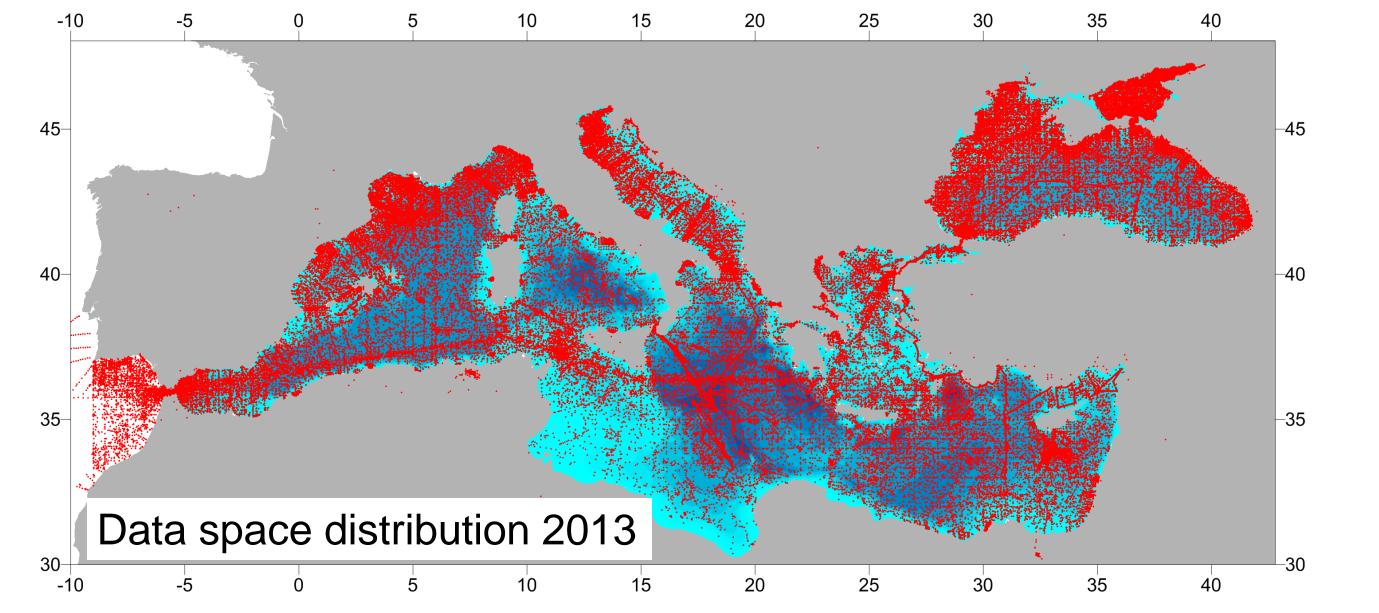
Contribution from NOAA to PERSEUS

Significant enlargement of the DB due to careful merging with NOAA WOD recent download

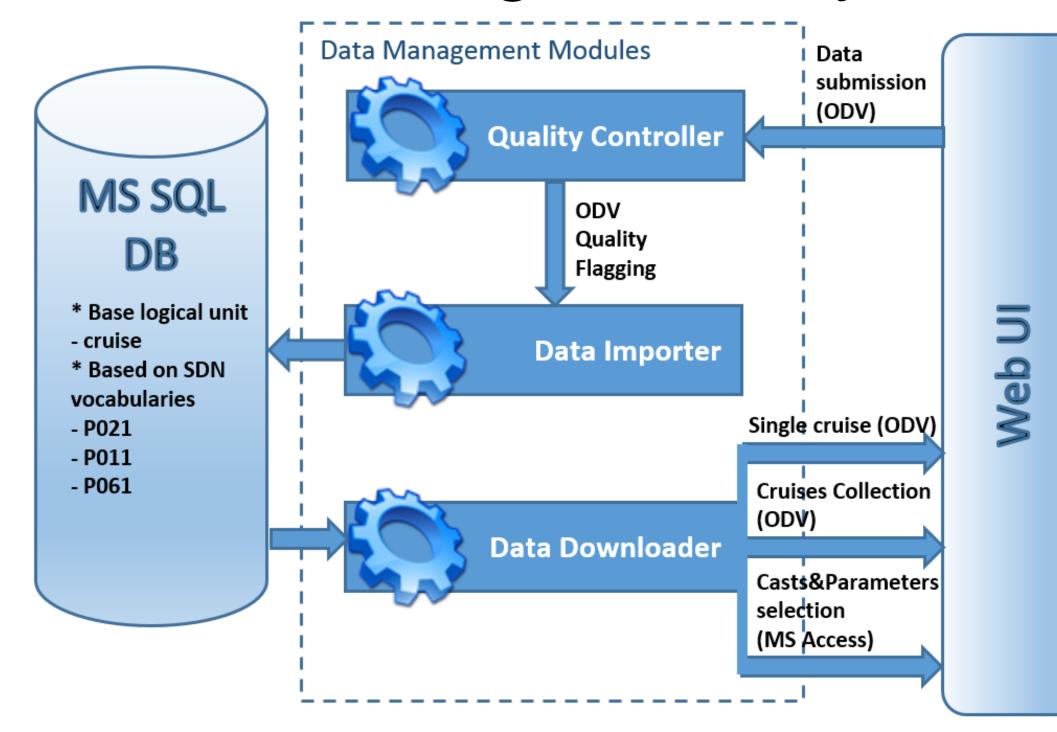




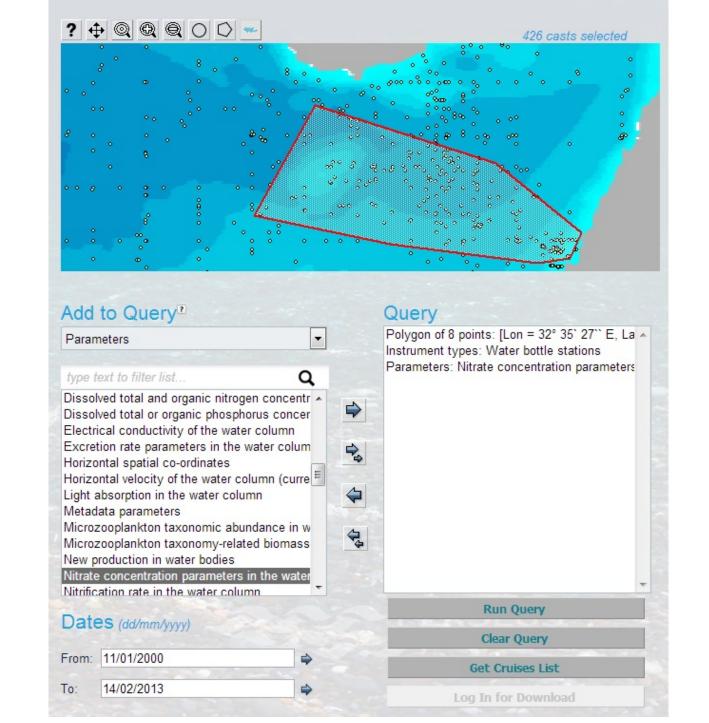




## Cast DB Management System

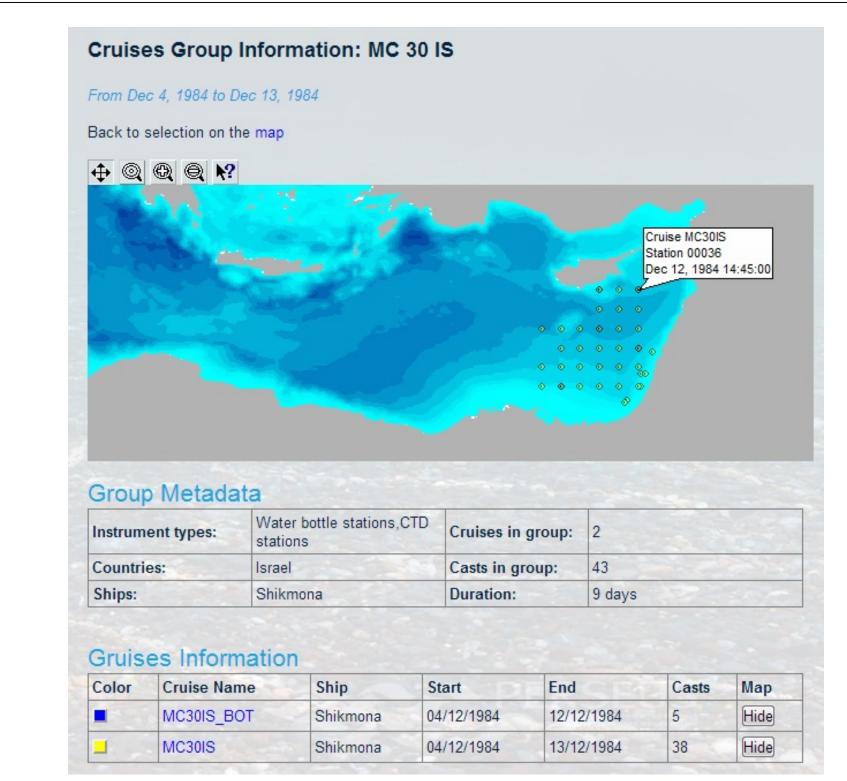


Casts are grouped both by physical cruise and by instruments (CTD, Bottles, Floats etc.,). These groups form a base logical unit.

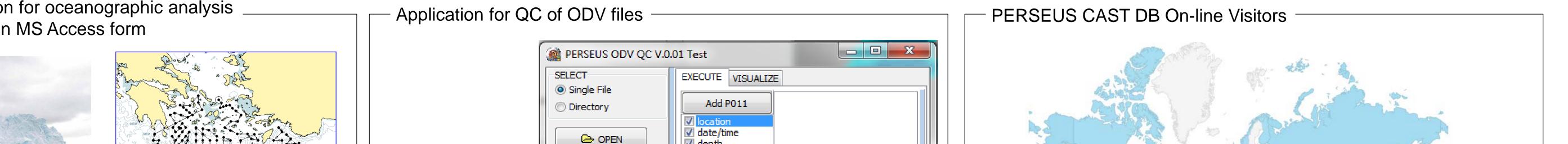


Interactive Cast Map

Sophisticated on-line query builder for data selection and download



Selection of data by Group name allows to see all logical units acquired within the physical cruise.



Hydrolog – Application for oceanographic analysis of data downloaded in MS Access form



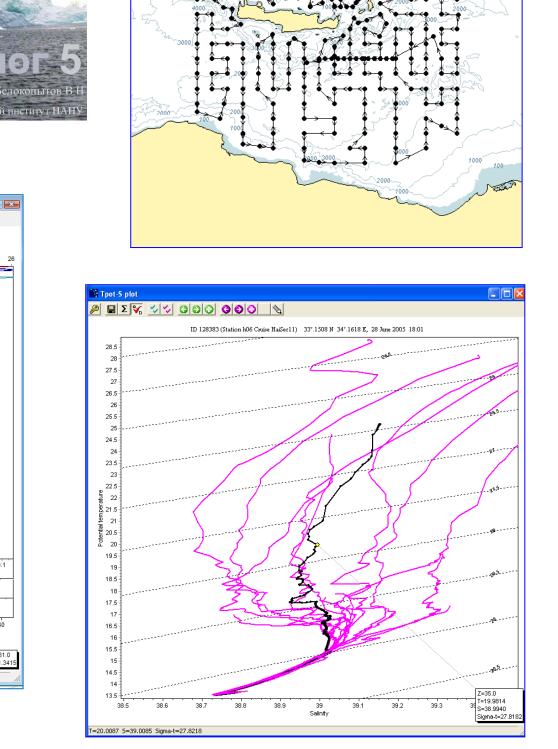
D 175908 (Station IL019 Cruise SESIL02) 33°.9542 N 25°.4985 E, 12 Sep 2008 3:55

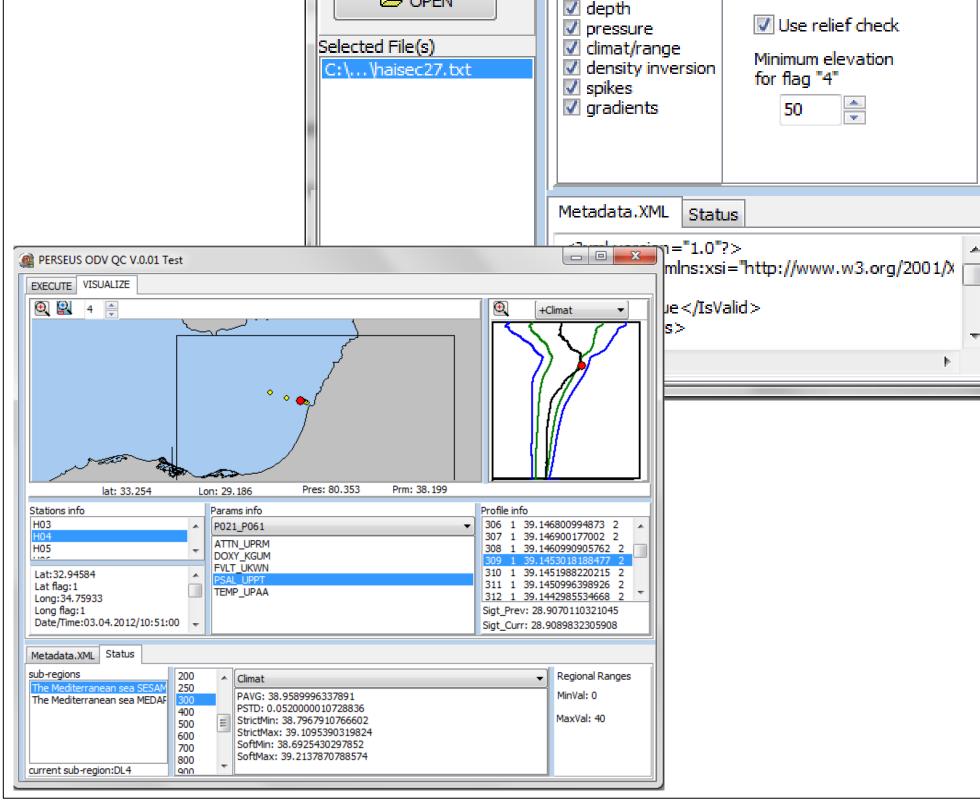
 $F_h = c_o c_p \left( T_s - T_h \right) u$ 

 $3\frac{\partial h_w}{\partial x} = \frac{f}{gH\rho} \nabla \times \tau$ 

All measured variables

Z=560.5 T=17.6376 S=38.3875 DOX2=200.8973 FLUO=0.1159 TUR2=0.0612





Total 740 visits from Sep 2012 to Sep 2013

100,000 casts allowed per MS Access download. 250 cruises allowed per ODV aggregate download.

Services	Number
Total download requests	445
Total ODV downloads	379
Single Cruise ODV Downloads	375
Aggregated Cruises ODV Downloads	4
MS Access Downloads	65