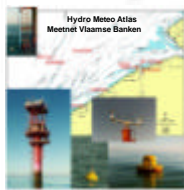


ir. G. Dumon, Waterways and Maritime Affairs Administration - Coastal Waterways (B)

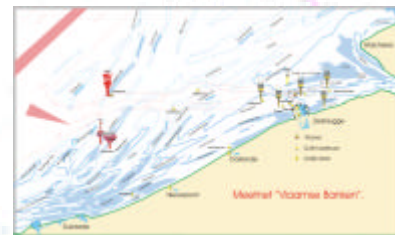
ir M. Van Vooren, Haecon n.v. (B)

Ing Ph. Hyde Haecon n.v. (B)

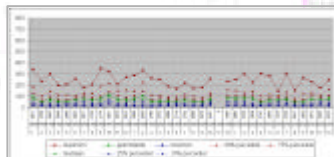
Since about 25 years wave-, wind- and tidal observations have systematically been executed in the Belgian Coastal Area and on the Belgian Continental Shelf. For the processing of the measuring data statistical analysis software is developed. The results of the processing of 25 year data can be consulted on the AWZ website.



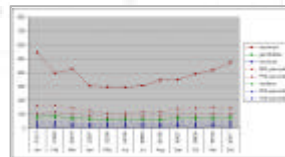
The results of the statistical analysis of the Hydro Meteorological Data measured off the Flemish Coast are presented on an interactive CD-ROM



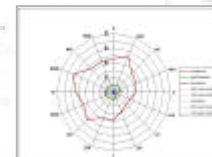
Basic Statistics



Basic Statistic parameters are presented for each year of measurement.

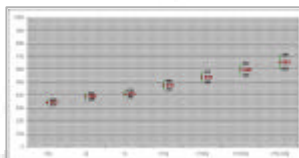


Basic Statistic parameters are presented for each Season.

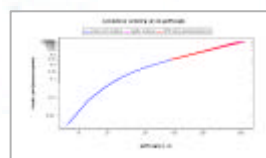


Basic Statistic parameters are presented by Direction.

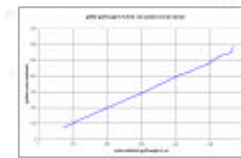
Statistical Fit of Data on the extreme value Weibull distribution



The fitted Wave Heights, with the ranges of accuracy, are presented for each return period

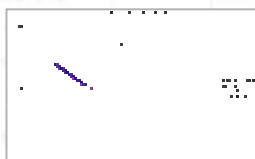


The calculated Fit is presented in a Cumulative Frequency diagram



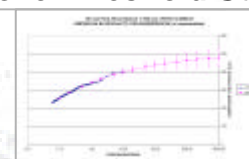
Fitted values are presented as function of Observed values

Duration of Exceedance



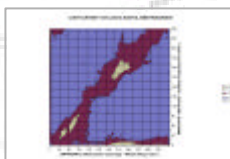
The Mean Duration of Exceedance is presented as function of the Threshold values

Peak over Threshold Statistics

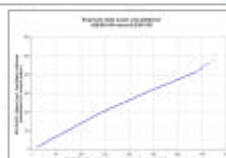


Returnperiods are calculated with the Peak over Threshold method : statistical fit of values that are exceeding a given threshold

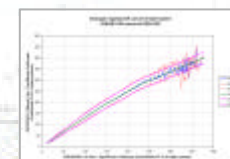
Relational Statistics



The Number of Measured values are presented in Contour Maps



Regression Analysis of Two Parameters



Empirical Relation between Order-Statistics.

The results of the Hydrometeo atlas provide the necessary input data for the design of new constructions, beach nourishments,... along the Flemish Coast