



MetoceanPro

Global metocean data for pre-operational planning

MetoceanPro is a one-stop shop for best-available, multi-sourced, consistent and accurate data for global climatologic and oceanic conditions. Output for statistical data, calculations for extreme data and climate studies for nearshore and offshore areas, is delivered via an online portal, emailed as PDF reports and presented at face-to-face or virtual meetings. From design engineers tendering for wind farm and subsea construction contracts to vessel operations managers looking to optimise work schedules,

MetoceanPro is the only source of metocean data you will need. With a resolution of 1° for open sea, $0.1^\circ \times 0.15^\circ$ for European waters including the Baltic and 0.1° for the Mediterranean and Black Sea and the Gulf of Mexico, Persian Gulf and SE Asia Sea, MetoceanPro provides robust, reliable and accurate historical data on prevailing weather conditions at locations of interest. Satellite data back to 1985 is also available to complete the MetoceanPro reanalysis.

What does MetoceanPro offer?

Reliable metocean data is essential for pre-operational planning for nearshore and offshore projects. The data provided by MetoceanPro is taken from the best available sources and is calibrated and validated by our specialist metocean meteorologists, ensuring that is the most reliable data on the market.

Statistical data

We present statistical data for your specified area in clear tables which can be easily read and ingested into your own programs. The data has a global resolution of 1° and higher regional resolution for enclosed basins such as the North Sea and around Southeast Asia.

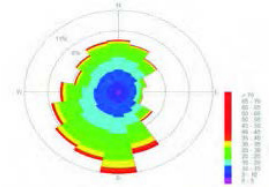
Climate studies

MetoceanPro offers general climate information for your area of interest, detailed studies for specific phenomena and metocean analyses of specific events.

meter	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	Count
0.0 - 0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.0
0.2 - 0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.0
0.4 - 0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.0
0.6 - 0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.0
0.8 - 1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.0
1.0 - 1.2	0.5	0.4	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.5	0.2	100.0
1.2 - 1.4	7.8	9.7	6.4	2.4	0.00	0.00	0.00	0.00	0.10	0.1	0.5	5.4	2.5	99.8
1.4 - 1.6	21.9	24.3	20.4	11.7	1.8	0.06	0.00	0.00	0.9	3.2	8.9	16.2	9.0	97.2
1.6 - 1.8	33.3	39.0	27.7	26.7	10.4	2.4	0.3	1.1	3.9	11.5	23.4	34.1	16.9	98.3
1.8 - 2.0	20.0	19.9	22.7	27.3	19.7	10.5	9.3	5.1	7.1	23.1	26.9	24.2	17.8	71.3
2.0 - 2.2	6.0	7.7	10.0	14.7	19.2	13.1	8.3	7.9	12.1	16.4	19.1	9.4	11.7	52.6
2.2 - 2.4	3.0	4.2	4.9	9.5	18.1	19.1	11.1	13.3	17.3	14.8	11.1	5.0	10.8	41.8
2.4 - 2.6	2.2	3.1	2.5	4.5	11.5	16.9	19.4	14.2	16.6	11.2	5.9	1.8	8.9	31.2
2.6 - 2.8	1.4	2.0	1.1	2.6	8.1	13.3	18.3	15.3	14.3	7.8	2.3	1.2	7.3	22.3
2.8 - 3.0	1.5	1.2	0.9	1.2	5.6	11.1	18.1	15.0	11.5	5.1	1.7	0.4	6.0	15.0
3.0 - 3.2	0.5	0.8	0.3	0.3	2.5	7.4	11.5	11.7	7.1	2.8	0.8	0.5	3.9	9.0
3.2 - 3.4	0.8	0.4	0.2	0.2	1.3	4.2	7.9	7.2	4.6	1.1	0.3	0.07	2.4	5.2
3.4 - 3.6	0.6	0.4	0.05	0.03	0.6	2.2	5.0	4.6	2.5	0.6	0.05	0.05	1.4	2.8

Output

MetoceanPro has a range of output options including raw data (time series), 2D or 3D frequency tables, monthly distribution, seasonality plots and wind roses, wave roses and current roses. Minimum time series are for 20 years per location with data provided in one hour intervals.



Consultancy and additional services

DTN has one of the largest offshore forecasting divisions in the world and our team of expert metocean meteorologists can deliver full service reports and provide consultancy services for you or your clients. We can also calculate data for extreme metocean conditions including wind, wave, current, tide and surge data. Data of wind and waves occurring during weather events such as thunderstorms or tropical cyclones can also be provided for any specified period.

How does it work behind the scenes?

Knowing the likely limitations of a project means you can price more competitively. As well, weather data can help companies determine how to bid, including whether to push for a lump sum or a day rate contract. If the weather analysis shows, for example, that the weather is likely to be very unreliable, it means that you're taking a risk on a lump sum contract. Where this is the case and where the data can support the claims, it can help influence whether a company is awarded a lump sum or a per day contract.