

HYDROMETCENTRE OF RUSSIA

**SOCIO-ECONOMIC BENEFITS OF
METEOROLOGICAL AND HYDROLOGICAL SERVICES**

INVENTORY OF DECISION SUPPORT TOOLS

ITEM	DESCRIPTION
Sector	Marine forecasts
Sub-sector	Wind wave forecast
Tool Name	Global wave forecast
Tool Description	Forecast products for the World Ocean include fields of height, direction and period of wind wave and swell
Weather, Climate or Water inputs	The forecast of the sea level pressure or wind
Specific weather, climate, water data required	The forecast of the sea level pressure or wind; sea ice borders
Spatial resolution	The spatial step of the sea level pressure forecast is 2,5°
Temporal resolution	The sea level pressure fields are produced twice a day for 72 hours ahead with the discontinuity of 6 hours.
Delivery methodology	Forecast pressure fields from operational numerical atmospheric model
Frequency of data requirement	6 hours
Other	The bottom relief of the ocean
Detailed Tool Description	The fields of height, direction and period of wind wave and swell
Spatial resolution	The spatial step is 2,5°
Temporal resolution	The forecast fields are produced twice a day for 72 hours ahead with the discontinuity of 6 hours.
Delivery methodology	WEB-site of Russia Hydrometeorological Centre
Frequency of provision	Twice a day
Other	Other relevant information as required
Benefits of tool application	Navigation, ship routing
Possible future advances	Decrease of spatial step; operational wave forecast for Russian seas
Comments	Option for additional comments
URL	http://wmc.meteoinfo.ru/waves_forecasts