



## Historical datasets available

Contact us at [hindcast@metocean.co.nz](mailto:hindcast@metocean.co.nz) for more information

GLOBAL													
Domain name	Data type		Boundaries				Dimension		Resolution		Period		Time step
			Lon min	Lon max	Lat min	Lat max	nlon	nlat	dx	dy	Start	End	
WAVEWATCH III Global Hindcast	Wave	2D	0	359.5	-77.5	77.5	720	311	0.5	0.5	1979-01-01	2016-08-31	3h

OCEANIA													
Domain name	Data type		Boundaries				Dimension		Resolution		Period		Time step
			Lon min	Lon max	Lat min	Lat max	nlon	nlat	dx	dy	Start	End	
WRF Hauraki Gulf Surface Reanalysis	Atmospheric	2D	174.16	176.36	-37.73	-35.99	48	48	0.047	0.037	1979-01-01	2016-06-30	1h
WRF New Zealand Surface Reanalysis	Atmospheric	2D	163.28	182.80	-48.30	-32.70	120	144	0.164	0.109	1979-01-01	2016-06-30	1h
WRF Taranaki and Cook Strait Surface Reanalysis	Atmospheric	2D	172.37	176.61	-42.46	-38.79	87	102	0.049	0.036	1979-01-01	2016-06-30	1h
SWAN Bass Strait	Wave	2D	142.5	151	-43	-37	256	181	0.033	0.033	1979-01-01	2014-12-31	3h
SWAN New Zealand	Wave	2D	165	180	-48	-34	301	281	0.05	0.05	1979-01-01	2015-12-31	3h
SWAN Mermaid Sounds	Wave	2D	116.38	117.16	-20.84	-20.285	261	186	0.003	0.003	1979-01-01	2013-12-31	3h
SWAN CFSR Chatham Islands	Wave	2D	182.9	184.3	-44.45	-43.4	156	151	0.009	0.007	1979-01-01	2014-12-31	3h
SWAN Whangarei	Wave	2D	174.45	174.8	-36.04	-35.8	233	161	0.0015	0.0015	1979-01-01	2014-12-31	3h
SWAN Hauraki Gulf	Wave	2D	174.45	176.15	-37.23	-35.23	189	223	0.009	0.009	1979-01-01	2014-12-31	3h
SWAN Northwest WA	Wave	2D	112	125	-24	-14	261	201	0.05	0.05	1979-01-01	2012-12-31	3h
ROMS New Zealand	Current	3D	165.03	179.96	-47.97	-33.02	189	250	0.079	0.06	1979-01-01	2016-06-30	3h
ROMS Central New Zealand	Current	3D	168	177.46	-42.84	-37.9	238	165	0.04	0.03	1979-01-01	2014-12-31	3h
ROMS Pegasus Bay	Current	3D	172.3	173.48	-44.1	-43.04	296	367	0.004	0.003	2002-01-01	2012-12-31	3h



<b>EUROPE</b>													
Domain name	Data type		Boundaries				Dimension		Resolution		Period		Time step
			Lon min	Lon max	Lat min	Lat max	nlon	nlat	dx	dy	Start	End	
WRF North Sea Surface Reanalysis	Atmospheric	2D	-10.44	8.66	47.07	60.08	159	159	0.121	0.082	1979-01-01	2015-12-31	1h
WAVEWATCH III Mediterranean	Wave	2D	-5.5	37	29	46	426	171	0.1	0.1	1979-01-01	2014-12-31	3h
SWAN North Sea	Wave	2D	-3.5	8.5	48.5	59.5	241	221	0.05	0.05	1979-01-01	2015-12-31	3h
SWAN Irish Sea	Wave	2D	-11.0	-2.7	50	56.09	277	167	0.030	0.034	1996-01-01	2015-12-31	3h
SWAN West Irish	Wave	2D	344	352	51.1	55.1	81	51	0.1	0.08	1979-01-01	2014-12-31	3h
ROMS Irish Sea	Current	2D	-12.27	-2.69	49.26	58.4	242	392	0.040	0.023	1996-01-01	2015-12-31	1h

<b>ASIA</b>													
Domain name	Data type		Boundaries				Dimension		Resolution		Period		Time step
			Lon min	Lon max	Lat min	Lat max	nlon	nlat	dx	dy	Start	End	
SWAN Persian Gulf	Wave	2D	47.5	58	23.5	31	301	201	0.035	0.038	1979-01-01	2014-12-31	1h

<b>INDIAN OCEAN</b>													
Domain name	Data type		Boundaries				Dimension		Resolution		Period		Time step
			Lon min	Lon max	Lat min	Lat max	nlon	nlat	dx	dy	Start	End	
WAVEWATCH III Bay of Bengal Wave Hindcast	Wave	2D	78	102	2	23	241	211	0.1	0.1	1979-01-01	2014-12-31	3h