

Table S1. Implemented numerical wave models in the assessment of wave energy potential.

Geographical Area	Period	Numerical Wave model	Part of the Mediterranean Sea	Authors
Mediterranean Sea	2001-2010	WAM	Entire	[1]
Mediterranean Sea	1979-2013	WavewatchIII	Entire	[2]
Mediterranean Sea	2011-2014	WavewatchIII	Entire	[3]
Mediterranean Sea	1980-2014	SWAN	Entire	[4]
Eastern Mediterranean Sea and Aegean Sea	1994-2009	Mike 21 SW	Eastern	[5]
Libyan Sea	1980-2014	SWAN	Eastern	[6]
Aegean Sea	1980-2014	SWAN	Eastern	[7]
Varkiza Coasts	2012-2013	WAM	Eastern	[8]
Chania's Venetian harbour Coast	2011-2012	MIKE 21 BW	Eastern	[9]
Aegean Sea	1999-2013	MIKE 21 SW	Eastern	[10]
Levantine Sea	2001-2010	WAM	Eastern	[11]
Greek Coasts	1960-2001	WAM	Eastern	[12]
Italian Coasts	2001-2010	WAM	Western	[13]
North-western Sardinian Coasts	1989-2010	MIKE 21 NSW	Western	[14]
Sicilian Coasts	1999-2012	SWAN	Western	[15]
Tuscany, Liguria, Sardinia and Sicily Coasts	2009-2013	MED 6MIN, MIKE 21SW	Western	[16]
Northern Latium Coasts	1994-2012	CMS-Wave	Western	[17]
Algerian Coasts	1979-2017	SWAN	Western	[18]
Valearic Sea	1983-2011	WAM	Western	[19]
Sicilian Coasts	1996-2005	SWAN	Western	[20]

References

1. Arena, F.; Laface, V.; Malara, G.; Romolo, A.; Viviano, A.; Fiamma, V.; Sannino, G.; Carillo, A. Wave Climate Analysis for the Design of Wave Energy Harvesters in the Mediterranean Sea. *Renewable Energy* **2015**, *77*, doi:10.1016/j.renene.2014.12.002.
2. Besio, G.; Mentaschi, L.; Mazzino, A. Wave Energy Resource Assessment in the Mediterranean Sea on the Basis of a 35-Year Hindcast. *Energy* **2016**, *94*, doi:10.1016/j.energy.2015.10.044.
3. Pelli, D.; Cappietti, L.; Oumeraci, H. Assessing the Wave Energy Potential in the Mediterranean Sea Using WAVEWATCH III. In Proceedings of the Progress in Renewable Energies Offshore - Proceedings of 2nd International Conference on Renewable Energies Offshore, RENEW 2016; 2016.
4. Lavidas, G.; Venugopal, V.; Agarwal, A. Long-Term Evaluation of the Wave Climate and Energy Potential in the Mediterranean Sea. In Proceedings of the Sustainable Hydraulics in the Era of Global Change - Proceedings of the 4th European Congress of the International Association of Hydroenvironment engineering and Research, IAHR 2016; 2016.
5. Ayat, B. Wave Power Atlas of Eastern Mediterranean and Aegean Seas. *Energy* **2013**, *54*, doi:10.1016/j.energy.2013.02.060.
6. Lavidas, G.; Venugopal, V. Wave Energy Resource Evaluation and Characterisation for the Libyan Sea. *International Journal of Marine Energy* **2017**, *18*, doi:10.1016/j.ijome.2017.03.001.
7. Lavidas, G.; Venugopal, V. A 35 Year High-Resolution Wave Atlas for Nearshore Energy Production and Economics at the Aegean Sea. *Renewable Energy* **2017**, *103*, doi:10.1016/j.renene.2016.11.055.

8. Foteinis, S.; Hancock, J.; Mazarakis, N.; Tsoutsos, T.; Synolakis, C.E. A Comparative Analysis of Wave Power in the Nearshore by WAM Estimates and In-Situ (AWAC) Measurements. The Case Study of Varkiza, Athens, Greece. *Energy* **2017**, *138*, doi:10.1016/j.energy.2017.07.061.
9. Spyros Foteinis; Theocharis Tsoutsos; Costas Synolakis Numerical Modelling for Coastal Structures Design and Planning. A Case Study of the Venetian Harbour of Chania, Greece. *International Journal of Geoengineering Case Histories* **2018**, *4*, 232–241.
10. Jadidoleslam, N.; Özger, M.; Ağralioğlu, N. Wave Power Potential Assessment of Aegean Sea with an Integrated 15-Year Data. *Renewable Energy* **2016**, *86*, doi:10.1016/j.renene.2015.09.022.
11. Zodiatis, G.; Galanis, G.; Nikolaidis, A.; Kalogeri, C.; Hayes, D.; Georgiou, G.C.; Chu, P.C.; Kallos, G. Wave Energy Potential in the Eastern Mediterranean Levantine Basin. An Integrated 10-Year Study. *Renewable Energy* **2014**, *69*, doi:10.1016/j.renene.2014.03.051.
12. Zacharioudaki, A.; Korres, G.; Perivoliotis, L. Wave Climate of the Hellenic Seas Obtained from a Wave Hindcast for the Period 1960–2001. *Ocean Dynamics* **2015**, *65*, doi:10.1007/s10236-015-0840-z.
13. Liberti, L.; Carillo, A.; Sannino, G. Wave Energy Resource Assessment in the Mediterranean, the Italian Perspective. *Renewable Energy* **2013**, *50*, doi:10.1016/j.renene.2012.08.023.
14. Vicinanza, D.; Contestabile, P.; Ferrante, V. Wave Energy Potential in the North-West of Sardinia (Italy). *Renewable Energy* **2013**, *50*, doi:10.1016/j.renene.2012.07.015.
15. Iuppa, C.; Cavallaro, L.; Vicinanza, D.; Foti, E. Investigation of Suitable Sites for Wave Energy Converters around Sicily (Italy). *Ocean Science* **2015**, *11*, doi:10.5194/os-11-543-2015.
16. Vannucchi, V.; Cappietti, L. Wave Energy Assessment and Performance Estimation of State of the Art wave Energy Converters in Italian Hotspots. *Sustainability (Switzerland)* **2016**, *8*, doi:10.3390/su8121300.
17. Paladini de Mendoza, F.; Bonamano, S.; Stella, G.; Giovacchini, M.; Capizzi, D.; Fraticelli, F.; Muratore, S.; Burgio, C.; Scanu, S.; Peviani, M.A.; et al. Where Is the Best Site for Wave Energy Exploitation? Case Study along the Coast of Northern Latium (ITALY). *Journal of Coastal Conservation* **2016**, *20*, doi:10.1007/s11852-015-0414-8.
18. Amarouche, K.; Akpınar, A.; Bachari, N.E.I.; Houma, F. Wave Energy Resource Assessment along the Algerian Coast Based on 39-Year Wave Hindcast. *Renewable Energy* **2020**, *153*, doi:10.1016/j.renene.2020.02.040.
19. Ponce de León, S.; Orfila, A.; Simarro, G. Wave Energy in the Balearic Sea. Evolution from a 29 Year Spectral Wave Hindcast. *Renewable Energy* **2016**, *85*, doi:10.1016/j.renene.2015.07.076.
20. Monteforte, M.; lo Re, C.; Ferreri, G.B. Wave Energy Assessment in Sicily (Italy). *Renewable Energy* **2015**, *78*, doi:10.1016/j.renene.2015.01.006.