[1] T. O. team, “A Lagrangian Ocean Analysis Toolbox,” Parcels, https://oceanparcels.org/ (accessed Nov. 16, 2023).

[2] J. Harlan et al., “The Integrated Ocean Observing System high-frequency radar network: Status and local, regional, and national applications,” Marine Technology Society Journal, vol. 44, no. 6, pp. 122–132, 2010. doi:10.4031/mtsj.44.6.6

[3] C. Kehl, P. D. Nooteboom, M. L. A. Kaandorp, and E. van Sebille, “Efficiently simulating lagrangian particles in large-scale ocean flows — data structures and their impact on Geophysical Applications,” Computers &amp;amp; Geosciences, vol. 175, p. 105322, 2023. doi:10.1016/j.cageo.2023.105322

[4] R. G. Williams and M. J. Follows, "Ocean Dynamics and the Carbon Cycle: Principles and Mechanisms," Cambridge University Press, Cambridge, UK, 2011, pp. 43, 50.

[5] Welcome to PYGNOME’s documentation! — PYGNOME 1.1.7 documentation, https://gnome.orr.noaa.gov/doc/pygnome/index.html (accessed Nov. 21, 2023).

[6] “Welcome to the official FLEXPART Web Site,” FLEXPART.EU, https://www.flexpart.eu/ (accessed Nov. 21, 2023).

[7] P. R. Pawar, S. Shirgaonkar, and R. B. Patil, “Plastic marine debris: Sources, distribution and impacts on coastal and ocean biodiversity,” January 2016.

[8] T. N. Hofer and T. N. Hofer, “Chapter 2 - Marine debris, a growing problem: Sources, distribution, composition, and impacts ,” in Marine pollution: New research, New York, New York: Nova Science Publishers, 2008, pp. 53–100

[9] D. W. Laist, “Impacts of marine debris: Entanglement of marine life in marine debris including a comprehensive list of species with entanglement and ingestion records,” Springer Series on Environmental Management, pp. 99–139, 1997. doi:10.1007/978-1-4613-8486-1\_10

[10] C. M. Rochman et al., “The ecological impacts of marine debris: Unraveling the demonstrated evidence from what is perceived,” Ecology, vol. 97, no. 2, pp. 302–312, 2016. doi:10.1890/14-2070.1

[11] P. Agamuthu, S. Mehran, A. Norkhairah, and A. Norkhairiyah, “Marine debris: A review of impacts and global initiatives,” Waste Management &amp;amp; Research, vol. 37, no. 10, pp. 987–1002, 2019. doi:10.1177/0734242x19845041

[12] C. Kehl, P. D. Nooteboom, M. L. A. Kaandorp, and E. van Sebille, “Efficiently simulating lagrangian particles in large-scale ocean flows — data structures and their impact on Geophysical Applications,” Computers &amp;amp; Geosciences, vol. 175, p. 105322, 2023. doi:10.1016/j.cageo.2023.105322

[13] A. Peytavin, B. Sainte-Rose, G. Forget, and J.-M. Campin, “Ocean Plastic assimilator v0.2: Assimilation of plastic concentration data into lagrangian dispersion models,” Geoscientific Model Development, vol. 14, no. 7, pp. 4769–4780, 2021. doi:10.5194/gmd-14-4769-2021

[14] E. van Sebille et al., "Lagrangian ocean analysis: Fundamentals and practices," in Ocean Modelling, vol. 121, pp. 49-75, Jan. 2018.

[15] P. Delandmeter and E. van Sebille, “The parcels v2.0 lagrangian framework: New Field Interpolation Schemes,” Geoscientific Model Development, vol. 12, no. 8, pp. 3571–3584, 2019. doi:10.5194/gmd-12-3571-2019

[16] C.-J. Huang and P.-H. Kuo, “A deep CNN-LSTM model for particulate matter (PM2.5) forecasting in Smart Cities,” Sensors, vol. 18, no. 7, p. 2220, 2018. doi:10.3390/s18072220

[17] Y. Yang et al., “A study on water quality prediction by a hybrid CNN-LSTM model with attention mechanism,” Environmental Science and Pollution Research, vol. 28, no. 39, pp. 55129–55139, 2021. doi:10.1007/s11356-021-14687-8

[18] T. N. Sainath, O. Vinyals, A. Senior, and H. Sak, “Convolutional, long short-term memory, fully connected deep neural networks,” 2015 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2015. doi:10.1109/icassp.2015.7178838

[19] Q. Zhang, Y. Han, V. O. Li, and J. C. Lam, “Deep-air: A hybrid CNN-LSTM framework for fine-grained air pollution estimation and forecast in Metropolitan Cities,” IEEE Access, vol. 10, pp. 55818–55841, 2022. doi:10.1109/access.2022.3174853

[20] C. Lu, Z. Wang, Z. Wu, Y. Zheng, and Y. Liu, “Global ocean wind speed retrieval from GNSS reflectometry using CNN-LSTM network,” IEEE Transactions on Geoscience and Remote Sensing, vol. 61, pp. 1–12, 2023. doi:10.1109/tgrs.2023.3276173

[21] J. D. Fast and R. C. Easter, "A Lagrangian Particle Dispersion Model Compatible with WRF," in Proc. 7th Annual WRF User’s Workshop, Boulder, CO, 19-22 June 2006, Pacific Northwest National Laboratory, Richland, WA.

[22] M. Ricker, J. Meyerjürgens, T. H. Badewien, and E. V. Stanev, “Lagrangian methods for visualizing and assessing frontal dynamics of floating marine litter with a focus on tidal basins,” The Handbook of Environmental Chemistry, pp. 407–442, 2021. doi:10.1007/698\_2021\_812

[23] “Creating a 3D map of the plastic litter polluting our oceans,” TOPIOS, http://topios.org/ (accessed Dec. 7, 2023).

[24] S. S. J. Alhadad, “Visualizing data to support judgement, Inference, and decision making in learning analytics: Insights from cognitive psychology and visualization science,” Journal of Learning Analytics, vol. 5, no. 2, 2018. doi:10.18608/jla.2018.52.5

[25] D. J. Wantland, C. J. Portillo, W. L. Holzemer, R. Slaughter, and E. M. McGhee, “The effectiveness of web-based vs. non-web-based interventions: A meta-analysis of behavioral change outcomes,” Journal of Medical Internet Research, vol. 6, no. 4, 2004. doi:10.2196/jmir.6.4.e40

[26] J. Byrne, C. Heavey, and P. J. Byrne, “A review of web-based simulation and supporting tools,” Simulation Modelling Practice and Theory, vol. 18, no. 3, pp. 253–276, 2010. doi:10.1016/j.simpat.2009.09.013

[27] “NASA GISS: Panoply 5 netcdf, HDF and Grib Data Viewer,” NASA, https://www.giss.nasa.gov/tools/panoply/ (accessed Dec. 7, 2023).

[28] M. G. COX, “An algorithm for spline interpolation,” IMA Journal of Applied Mathematics, vol. 15, no. 1, pp. 95–108, 1975. doi:10.1093/imamat/15.1.95

[29] M. A. Høiberg, J. S. Woods, and F. Verones, “Global distribution of potential impact hotspots for marine plastic debris entanglement,” Ecological Indicators, vol. 135, p. 108509, 2022. doi:10.1016/j.ecolind.2021.108509

[30] C. I. Garcia et al., “A comparison of power quality disturbance detection and classification methods using CNN, LSTM and CNN-LSTM,” Applied Sciences, vol. 10, no. 19, p. 6755, 2020. doi:10.3390/app10196755

[31] Md. Z. Islam, Md. M. Islam, and A. Asraf, “A combined deep CNN-LSTM network for the detection of novel coronavirus (COVID-19) using X-ray images,” Informatics in Medicine Unlocked, vol. 20, p. 100412, 2020. doi:10.1016/j.imu.2020.100412

[32] C. Chen, Z. Hua, R. Zhang, G. Liu, and W. Wen, “Automated arrhythmia classification based on a combination network of CNN and LSTM,” Biomedical Signal Processing and Control, vol. 57, p. 101819, 2020. doi:10.1016/j.bspc.2019.101819

[33] S. Yu, S.-B. Yang, and S.-H. Yoon, The development and validation of a lightweight automated stock trading system using Deep Learning Models: Employing technical analysis methods, 2023. doi:10.20944/preprints202308.1240.v1

[34] “Global Data and analytics,” Spire, https://spire.com/?utm\_term=spire (accessed Dec. 11, 2023).