

"Roberto Buizza does a wonderful job making the science of weather prediction comprehensible to the lay reader."

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"The book is a useful introduction to the theory and practice of weather prediction, offering the readers a glimpse into the complexity of this endeavour."

—DR. FLORENCE RABIER, Director-General, European Centre for Medium-Range Weather Forecasts

Some big steps forward in numerical weather prediction have been made in the past 40 years, thanks to advances in four key areas: the way we observe the Earth, the scientific understanding of weather-related phenomena, advances in high-performance computing, and improved modeling techniques. *Weather Prediction: What Everyone Needs to Know*[®] explores the history of weather prediction and addresses many key topics in the field. It tackles questions that are often asked, such as: How are weather forecasts generated? How complex are the models used in numerical weather prediction? Was a given weather event predictable? Why was a particular forecast wrong? How do weather forecasters predict the path of a storm 10 days before the event? And will weather forecasting continue to improve, or is there a predictability limit?



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