Bringing information into the shore – Bureau forecasts for the coastal applications.

Authors: Schulz, Eric*1, Saima Aijaz1, Gary Brassington1, Frank Colberg1, Mikhail Entel1, Justin Freeman1, Diana Greenslade1, John Middleton2, Pavel Sakov1, Paul Sandery3, Greg Stuart1 and Stefan Zieger1

1 Bureau of Meteorology, Docklands, Vic 3008, Australia
2 South Australian Research Development Institute, West Beach, South Australia
3 CSIRO, Hobart,

eric.schulz@bom.gov.au

The Bureau of Meteorology has been developing improved ocean and wave forecast information for the Australian coastal environment. This is enabled by increases in ocean observations and computing power and achieved by a nested model approach, data assimilation, and partnering with particular regional or application specific entities. Examples of recent pilot systems where the Bureau has partnered with SARDI and the seafood industry, and also Surf Life Saving Australia will be presented along with plans for a national system and service.