Record Nr. UNINA9910694830703321 Ecological forecasting [[electronic resource]]: new tools for coastal and Titolo marine ecosystem management // editors, Nathalie J. Valette-Silver, and Donald Scavia Pubbl/distr/stampa [Silver Spring, Md.]:,: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Centers for Coastal Ocean Science, , [2003] Collana NOAA technical memorandum NOS NCCOS;;1 Altri autori (Persone) Valette-SilverNathalie J ScaviaDonald Ecological forecasting - United States Soggetti Ecosystem management - United States Biotic communities - Forecasting Marine ecology - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Title from title screen (viewed on June 17, 2004). "July 2003." Nota di bibliografia Includes bibliographical references. Sommario/riassunto "Policy makers, natural resource managers, regulators, and the public often call on scientists to estimate the potential ecological changes caused by both natural and human-induced stresses, and to determine how those changes will impact people and the environment. To develop forecasts of ecological changes we need to: 1) increase to understanding of ecosystem composition, structure and functioning, 2) expand ecosystem monitoring and apply advanced scientific information to make these complex data widely available, and 3) develop and improve forecast and interpretative tools that use the scientific bases to assess the results of management and science policy actions."