

results are key to future breakthroughs in understanding as well as to prediction (e.g. Dickey 2003). Predictions of the state of global ecosystems on short as well as very long time scales are clearly needed for a host of societally relevant issues involving the stewardship of the world ocean resources and human health. Advances in computational capabilities will offer modellers opportunities to make high temporal and spatial simulations of complex ecosystems and the physical and chemical environment. Education of the next generation of oceanographers would be well

served by not only interdisciplinary training, but also exposure of students to both theoretical and observational research modes, regardless of thesis emphasis.

Finally, it is important to recognize that international cooperation and coordination has been a hallmark of GLOBEC. Globalization of ocean sciences through expanded efforts to share remote sensing and *in situ* data and models as well as predictions is especially important for the future of interdisciplinary oceanography and its applications for societal benefit.